

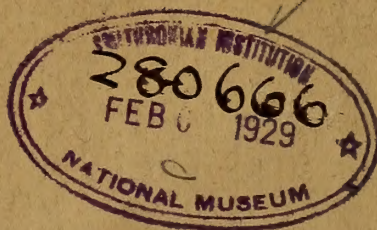
~~1928~~ 608.73
12581

INDEX *of* PATENTS

ISSUED FROM

THE UNITED STATES
PATENT OFFICE

1928



8T
223
D7
NMAH

INDEX OF PATENTS

ISSUED FROM .

THE UNITED STATES PATENT OFFICE

1928



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON
1929

CONTENTS

| | Page. |
|--|-------|
| DECISIONS PRINTED IN THE OFFICIAL GAZETTE IN 1928..... | 3 |
| ALPHABETICAL LIST OF PATENTEES..... | 5 |
| ALPHABETICAL LIST OF DISCLAIMERS..... | 729 |
| ALPHABETICAL LIST OF INVENTIONS..... | 731 |
| LIST OF DISCLAIMERS ARRANGED BY INVENTIONS..... | 1065 |



DECISIONS PRINTED IN THE OFFICIAL GAZETTE IN 1928.

- Allsop and Sibson. In re. 372 O. G. 3.
 Ayers. In re. 370 O. G. 513.
 Barber v. Forsyth. 370 O. G. 3.
 Barber v. Winter. 369 O. G. 3, 4.
 Barlow v. Crabb. 369 O. G. 233, 234.
 Barrett Co. et al. v. Koppers Co. et al. v. Barrett Co. et al. 367 O. G. 701.
 Berry. In re. 375 O. G. 720.
 Bliss. In re. 375 O. G. 4.
 Blood. In re. 366 O. G. 863.
 Browne v. Harrison. Harrison v. Browne. 375 O. G. 963.
 Burt, Cora W., and The Dollar Savings and Trust Company, of Youngstown, Ohio, executors of Harry B. Burt, deceased. In re. 369 O. G. 732.
 Chillas v. Weisberg. 370 O. G. 3.
 Chubb v. Short. 372 O. G. 4.
 Conover and Gibbs v. Wohl. 372 O. G. 257.
 Cooper. In re. 367 O. G. 3.
 Corona Cord Tire Company v. Dovan Chemical Corporation. 370 O. G. 1011.
 Craft-Stone, Inc., v. Zenitherm Co., Inc. 376 O. G. 780.
 Creveling. In re. 370 O. G. 759.
 Crosley, Jr. Ex parte. 377 O. G. 505.
 Deer, A. J., Co., Inc., v. U. S. Slicing Mach. Co. 366 O. G. 253.
 De Jahn v. Gaus and Wild. 369 O. G. 487, 488.
 Dell. In re. 375 O. G. 477.
 Downs v. Andrews. 372 O. G. 1011, 374 O. G. 6.
 Ellis. Ex parte. 376 O. G. 523.
 Enz v. Rogers. 368 O. G. 496.
 Erickson. In re. 374 O. G. 703.
 Fagan. Ex parte. 370 O. G. 253.
 Fesler v. Lyman. 368 O. G. 262.
 Fischer. Ex parte. 377 O. G. 237.
 Fischer v. Pater. 368 O. G. 493.
 Foltz. In re. 376 O. G. 271.
 General Electric Co. v. Eisler et al. 366 O. G. 477.
 Goldrick v. Schroeder. 373 O. G. 277.
 Grossman and Lowe v. Gamble. 375 O. G. 478.
 Hall. Ex parte. 376 O. G. 779.
 Hammond. In re. 375 O. G. 209.
 Hayes v. Crouse. 371 O. G. 533.
 Hayde v. Boynton. 374 O. G. 495.
 Holland Furniture Company v. Perkins Glue Company. 372 O. G. 517.
 Holmes. In re. 373 O. G. 6.
 Honda v. Brace. 369 O. G. 731.
 Humiston v. Voorhees. 369 O. G. 4.
 Huyler v. Barnhart v. White v. Harmon v. Heffelman v. Hoyt v. Olesen v. Kosinski v. Lauritsen. 371 O. G. 3.
 Irwin. Ex parte. 367 O. G. 701.
 Isom v. Dubbs. 370 O. G. 760.
 Jones. Ex parte. 376 O. G. 779.
 Kaplan. In re. 373 O. G. 760.
 King. Ex parte. 366 O. G. 3.
 Knight v. Fischer. 375 O. G. 3.
 Lakewood Engineering Co. v. Walker et al. 377 O. G. 760.
 Lindley v. Shepherd. 370 O. G. 513, 515.
 Lovejoy v. Shultz. 374 O. G. 704.
 Lucke and Nonnenbruch. In re. 371 O. G. 260, 261.
 Macfarren v. Morgan. 375 O. G. 209.
 Mills. Ex parte. 366 O. G. 477.
 Moulton. In re. 374 O. G. 252.
 Murray, William A., Spring Co. v. Fort Pitt Bedding Co. 377 O. G. 4.
 Nyman. In re. 375 O. G. 719. (Two cases.)
 Oldroyd v. Morgan. 374 O. G. 4.
 Owen. In re. 377 O. G. 239.
 Pade. Ex parte. 377 O. G. 238.
 Parr. In re. 373 O. G. 6.
 Peterson. Ex parte. 376 O. G. 3.
 Prescott and Rummier v. Swain. 370 O. G. 1017.
 Prichard. Ex parte. 367 O. G. 469, 470.
 Pyzel v. Black. 371 O. G. 532.
 Richards. In re. 372 O. G. 257.
 Riches, Piver & Co. v. Nitrate Agencies Co. 376 O. G. 4.
 Richmond Screw Anchor Company, Inc., v. The United States. 368 O. G. 493.
 Riedel. In re. 374 O. G. 3.
 Ross. Ex parte. 368 O. G. 709, 710.
 Schuricht v. McNutt v. Willis. Schuricht v. McNutt v. Burns. 373 O. G. 535.
 Scott v. Weiss and Heuser. Weiss v. Scott and Heuser. 373 O. G. 3.
 Smith. In re. 367 O. G. 3.
 Smith v. Pritchard. 371 O. G. 777.
 Southgate v. Greene. 370 O. G. 759.
 Sprague v. Dodge & Preston. 371 O. G. 531. (Two cases.)
 Star Can Opener Co. v. Owen Dyneto Co. 366 O. G. 863.
 Steele, Martin and McCarthy v. Chubb. 372 O. G. 4.
 Stimpson. In re. 369 O. G. 731.
 Stoddard. Ex parte. 374 O. G. 251.
 Taub v. Jehle and Jardine. 371 O. G. 3.
 Temco Electric Motor Company, The, v. Apco Manufacturing Company. 368 O. G. 259.
 Three in One Oil Company v. The Lobl Manufacturing Company. 368 O. G. 3.
 Toupet-Taylor Engineering Co. v. Red Dog Mfg. & Supply Co. 367 O. G. 4.
 United States, ex rel. Mishawaka Rubber and Woolen Manufacturing Company v. Robertson, Commissioner of Patents. 377 O. G. 506.
 Vanore v. Improta. 372 O. G. 763.
 Vissering. In re. 374 O. G. 703.
 Waern v. Carter. 375 O. G. 477.
 White. Ex parte. 366 O. G. 697, 699.
 Willis. In re. 373 O. G. 761.
 Willoughby and Lowell v. Rogers. 366 O. G. 255.
 Zabel v. Marx. 366 O. G. 253.

ALPHABETICAL LIST

OF

PATENTEES FOR THE YEAR 1928.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Disclaimers follow in separate indexes, but precede the Alphabetical List of Inventions.

- A-B Stove Company. (See Reedy, Alfred J., assignor.)
A. B. A. Specialties Company. (See Fridolph, Annette, assignor.)
A-C Manufacturing Co. (See Capes, Delbert R., assignor.)
A C Spark Plug Company. (See Amidon, Ray E., assignor.)
A C Spark Plug Company. (See Babitch, Abraham M., assignor.)
A C Spark Plug Company. (See Berge, Joseph, assignor.)
A C Spark Plug Company. (See Berge, Louis, assignor.)
A C Spark Plug Company. (See Champion, Albert, assignor.)
A C Spark Plug Company. (See Dearborn, Clinton H., assignor.)
A C Spark Plug Company. (See Dinsmore, Clarence B., assignor.)
A C Spark Plug Company. (See Eshbaugh, Jesse E., assignor.)
A C Spark Plug Company. (See Gustafson, Edwin A., assignor.)
A C Spark Plug Company. (See Helgeby, Ralph O., assignor.)
A C Spark Plug Company. (See Kamrath, Herbert G., assignor.)
A C Spark Plug Company. (See Keeney, Don E., assignor.)
A C Spark Plug Company. (See Kennington, William O., assignor.)
A C Spark Plug Company. (See McKinley, Charles W., assignor.)
A C Spark Plug Company. (See Nutt, Frank N., assignor.)
A C Spark Plug Company. (See Pohrt, Henry O., assignor.)
A C Spark Plug Co. (See Rabezana, Hector, assignor.)
A C Spark Plug Company. (See Spencer, L. M., and Zubaty, assignors.)
A C Spark Plug Company. (See Tittensor, Harry, assignor.)
A C Spark Plug Company. (See Zubaty, Joseph, assignor.)
A. G. Brown, Boveri & Cie. (See Couwenhoven, Abraham, assignor.)
A. G. Brown, Boveri & Cie. (See Meyer, A., and Frey, assignors.)
A. G. Brown, Boveri & Cie. (See Suter, Philipp, assignor.)
A.-G. für Handels- und Industriewerte Glarus. (See Richter, Alfred, assignor.)
A. Hch. Rietzschel G. m. b. H. (See Goldhammer, Leo, assignor.)
A/S Dansk Pressefabrik. (See Skov, Henry A., assignor.)
A T Oil Burner Co. (See Hansen, Sinius M., assignor.)
A T Oil Burner Co. (See Olsen, Carl A., assignor.)
A.-V. Burner Company. (See Axtell, J. M., and Von Hofen, assignors.)
Aab, William, New Ulm, Minn. Expansion reamer. 1,658,180; Feb. 7.
Aachener Maschinenbau-Gesellschaft m. b. H. (See Nachen, Hermann, assignor.)
Aalborg, Christian, Pittsburgh, Pa. Vacuum sweeper. 1,656,031; Jan. 10.
Aalborg, Christian, Pittsburgh, Pa. Vacuum sweeper. 1,668,035; May 1.
Aalborg, Christian, Pittsburgh, Pa. Attachment for vacuum cleaners. 1,668,036; May 1.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,669,545; May 15.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,669,546; May 15.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,678,841; July 31.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,683,589; Sept. 11.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch-operating mechanism. 1,686,721; Oct. 9.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Clothes washer. 1,686,722; Oct. 9.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-pressure tank. 1,687,641; Oct. 16.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,687,642; Oct. 16.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,689,906; Oct. 30.
Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Panel-board box. 1,691,422; Nov. 13.
Aalborg, Christian, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal control device. 1,669,544; May 15.
Aarons, Alfred H. (See James, William B., assignor.)
Aarons, Jacob M., Cleveland Heights, Ohio. Setting structure for lumber kilns and the like. 1,679,197; July 31.
Aaronson, Henry A., New York, N. Y. Preparing penterythrite. 1,678,623; July 24.
Aarvig, Rasmus, deceased, Pontiac, Ill.; B. A. Jenkins, administratrix. Cultivator. 1,683,008; Sept. 4.
Aas, Nils, Skarnes, Norway. Instrument for administering medicines to animals. 1,679,391; Aug. 7.
Aas, Nils, Skarnes, Norway. Teat cannula. 1,688,795; Oct. 23.
Abálsamo, Pascual, Buenos Aires, Argentina. Slicing machine. 1,685,184; Sept. 25.
Abbamonite, Antistene, Cheyenne, Wyo. Cylinder cock. 1,661,915; Mar. 6.
Abbe, Edward J., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,688,131; Oct. 16.
Abbey, Charles J., Skowhegan, Me. Combination door stop and holder. 1,688,221; Oct. 16.
Abbey, Orville E., Corning, Iowa. Automobile license-certificate holder. 1,683,645; Sept. 11.
Abbey, Orville E., Corning, Iowa. Automobile license-certificate holder. 1,695,941; Dec. 18.
Abbey-Scherer Company, The. (See Scherer, John R., assignor.)
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Cutting machine. 1,658,181; Feb. 7.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for cutting single or plied-up stock. 1,662,596; Mar. 13.
Abbott, Adrian O., jr., Detroit, Mich., assignor to Morgan & Wright. Manifold system for vulcanizing. 1,663,037; May 1.
Abbott, Adrian O., jr., and C. M. Sloman, assignors to Morgan & Wright, Detroit, Mich. Machine for cutting and weighing strip material. 1,668,038; May 1.
Abbott, Britton V., Philadelphia, Pa. Squash racket. 1,659,308; Feb. 14.
Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Soldering iron. 1,667,618; Apr. 24.
Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 1,669,114; May 8.
Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 1,680,718; Aug. 14.
Abbott, Charles C., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cut-out machine. 1,672,190; June 5.
Abbott, Charles M., Watertown, Mass., assignor to Samuel Cabot, Inc. Making imitation hand-rift shingles. 1,683,751; Sept. 11.
Abbott, Edward J., Wilton, N. H. Winding and unwinding yarns or threads. 1,685,390; Sept. 25.
Abbott, Frank E. (See Hawkins, Roe C., assignor.)
Abbott, Geoffrey J., London, England. Expanding pulley. 1,662,654; Mar. 13.
Abbott, Henry H. (See Bascom, H. M., and Abbott.)
Abbott, Henry H., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,695,312; Dec. 18.
Abbott Laboratories. (See Adams, Roger, assignor.)
Abbott Laboratories. (See Adams, R., and Hiers, assignors.)
Abbott Laboratories, The. (See Adams, R., and Volwiler, assignors.)
Abbott Laboratories. (See Adams, R., Noller, and Arvin, assignors.)

- Abbott Laboratories, The. (See Raizies, G. W., and Fisher, assignors.)
- Abbott Laboratories. (See Vliet, Elmer B., assignor.)
- Abbott Laboratories. (See Volwiler, Ernest H., assignor.)
- Abbott, Lyle S., Chicago, Ill. Air-cooled furnace-wall construction. 1,688,321; Oct. 23.
- Abbott, Lyle S., assignor to Chicago Fire Brick Company, Chicago, Ill. Interlocking-unit wall construction. 1,660,559; Feb. 21.
- Abbott, Ransloe B., Reading, Pa. Insulated rail joint. 1,664,725; Apr. 3.
- Abbott, William T., Cambridge, Mass. Individual tea bag. 1,665,080; Apr. 3.
- Abel, August, Leipzig, assignor to Atlas-Werke Pöhler & Co., Leipzig-Stotteritz, Germany. Footwear pounding or burnishing machine. 1,664,238; Mar. 27.
- Abel, Clarence B., Denver, Colo., assignor of one-half to J. L. Frank, Los Angeles, Calif. Curtain and drapery hanger. 1,662,049; Mar. 13.
- Abel, John F., Burlington, Iowa. Attachment for carburetors. 1,677,609; July 17.
- Abel, Joseph C., Westwood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Cane car. 1,685,079; Sept. 25.
- Abel, Virgil L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cage for roller bearings. 1,689,514; Oct. 30.
- Abeles, Hugo, New York, N. Y. Doll pincushion. Des. 74,999; May 1.
- Abell, George H., Esher, and R. G. Wells, Marple, assignors to The Sheffield Simplex Company, Kingston-on-Thames, Surrey, England. Actuating means for dipping or tilting headlights. 1,674,461; June 19.
- Aber, George B., Cranberry Lake, N. Y. Rotary gas engine. 1,681,454; Aug. 21.
- Abercrombie, James S., et al. (See Martin, John R., assignor.)
- Abern, Halsey C., Chicago, Ill. Carburetor. 1,635,114; Sept. 25.
- Abigt, William. (See Zurstadt, G. J., and Abigt.)
- Abington Textile Machinery Works. (See Clark, Ernest, assignor.)
- Aboarab, Michael J., Brooklyn, N. Y. Napkin. Des. 74,338; Feb. 7.
- Aborn, George P., Waban, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Engine valve. 1,657,560; Jan. 31.
- Abercrombie, James S., Houston, Tex. Weight regulating device. 1,686,945; Oct. 9.
- Abraham, Gabriel, New York, N. Y. Flexible belt buckle. 1,658,425; Feb. 7.
- Abraham, Gabriel, New York, N. Y. Garter. 1,677,423; July 17.
- Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Roof. Des. 74,467; Feb. 14.
- Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Roof. Des. 75,761; July 17.
- Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Roof. Des. 75,762; July 17.
- Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Roof. Des. 77,213; Dec. 18.
- Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Process and apparatus for manufacturing prepared roofing strips. 1,662,655; Mar. 13.
- Abraham, Leonard G., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Selective echo suppressor. 1,690,153; Nov. 6.
- Abraham, William, assignor to The Buckeye Box Company, Cleveland, Ohio. Pallet. 1,657,491; Jan. 31.
- Abrahams, Max, New York, N. Y. Acoustic horn. 1,675,318; July 3.
- Abrahams, Paul M., et al. (See Veitch, Thomas, assignor.)
- Abrahams, Samuel L., Lynn, Mass., assignor to General Electric Company. Molding. 1,693,327; Nov. 27.
- Abrahams, William, Philadelphia, Pa. Military, police, or like belt. 1,655,527; Jan. 10.
- Abrahamsen, Alfred W., assignor of one-half to A. Skarsen, Queens Village, N. Y. Floor scraper. 1,670,646; May 22.
- Abram, Edmund W., London, England, assignor to L. Fondeville, New York, N. Y. Teapot, coffeepot, and the like. 1,662,020; Mar. 6.
- Abram, John D., Detroit, Mich. Tamping machine. 1,677,422; July 17.
- Abramchik, Max, Coney Island, N. Y. Drying macaroni, spaghetti, and like dough products. 1,662,656; Mar. 13.
- Abramovich, Asya, New York, N. Y. Child's garment. 1,657,909; Jan. 31.
- Abramowitz, Joseph, Madison, assignor of one-half to J. J. Seib, Venice, Ill. Arch support. 1,666,924; Apr. 24.
- Abrams, Allen, Rothschild, Wis. Apparatus for testing permeability of materials. 1,660,024; Feb. 21.
- Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Wall-bracket lighting fixture. Des. 74,853; Apr. 10.
- Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Company, Reading, Pa. Candle cup for lighting fixtures. Des. 74,854; Apr. 10.
- Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Wall-bracket lighting fixture. Des. 74,855; Apr. 10.
- Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Plate for lighting fixtures. Des. 74,856; Apr. 10.
- Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Company, Reading, Pa. Loop for lighting fixtures. Des. 74,857; Apr. 10.
- Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Wall-bracket lighting fixture. Des. 74,858; Apr. 10.
- Abramson, Alexander, Prague, Czechoslovakia. Power-transmission mechanism for the driving wheels of motor vehicles. 1,678,757; July 31.
- Abramson, Alexander, Prague, Czechoslovakia. Power-transmission mechanism. 1,692,531; Nov. 20.
- Abramson, Hugo. (See Eskilson, S. A., and Abramson.)
- Abramson, Mono, et al. (See Levy, Henri G., assignor.)
- Abramson, Nathan, Brooklyn, N. Y. Socket flasher. 1,685,514; Sept. 25.
- Abramson, Nathan, Brooklyn, N. Y. Flashing plug. 1,685,515; Sept. 25.
- Abrechcinski, Peter, Buffalo, N. Y. Automobile tire. 1,685,013; Sept. 18.
- Abreu, Joaquin S., San Francisco, Calif. Airship. 1,687,000; Oct. 9.
- Abreu, Silvino C., Rio de Janeiro, Brazil. Nail for wood and similar material. 1,670,393; May 22.
- Abromaitis, Stanley J. (See Vrahoris, John S., assignor.)
- Abromeit, Alfred, Rheinhausen, Germany. Horoscopic interpretation apparatus for hours and days. 1,692,105; Nov. 20.
- Abronski, John V. (See Walsh, T., Coover, and Abronski.)
- Absmeier, Carl. (See Brookby, H. E., and Absmeier.)
- Absmeier, Carl, Maywood, Ill. Plaster board. 1,657,333; Jan. 24.
- Absmeier, Carl, Maywood, Ill. Plaster-board wall construction. 1,675,332; Jan. 24.
- Absolute Con-Tac-Tor Corporation. (See Phelan, Louis M., assignor.)
- Absolute Con-Tac-Tor Corporation. (See Phelan, L. A. M., and Hotchkiss, assignors.)
- Abt, Edward C., Chicago, Ill. Radiator cover. 1,693,216; Nov. 27.
- Abuza, Moses C., assignor to Arflex Lamp and Fixture Mfg. Corp., Brooklyn, N. Y. Body for a chandelier. Des. 75,599; June 26.
- Abuza, Moses C., assignor to Arflex Lamp and Fixture Mfg. Corp., Brooklyn, N. Y. Lighting-fixture wall bracket. Des. 75,600; June 26.
- Accounting & Tabulating Corporation of Gt. Britain, Limited, The. (See Thomas, Arthur, assignor.)
- Accountograph Company, The. (See Schinke, Edward C., assignor.)
- Accurate Gasoline Recording Company. (See Mason, A. R., and Failing, assignors.)
- Acetol Products, Inc. (See Zimmerli, Adolph, assignor.)
- Achen, Fred W. B., Kenosha, Wis. Ventilating apparatus for vehicle bodies. 1,670,090; May 15.
- Achenbach, Charles, Manitowoc, Wis. Horn deflector. 1,681,565; Aug. 21.
- Achenbach, Charles, Manitowoc, Wis. Head check. 1,686,060; Oct. 2.
- Acheson, James M., Los Angeles, Calif. Brush structure. 1,684,855; Sept. 18.
- Acieries de Haïne St. Pierre et Lesquin, Societe Anonyme. (See Menschaert, Joseph and M. V. J., assignors.)
- Acker, Emil W., Cleveland Heights, Ohio. Barricade. 1,687,820; Oct. 16.
- Acker, Frederick C., et al. (See Nill, Edward A., assignor.)
- Acker, Philip, Brooklyn, N. Y. Shade-supporting adapter for lamps. 1,664,843; Apr. 3.
- Ackerly, Donald G., Wilkensburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic device. 1,675,148; June 26.
- Ackerly, Donald G., Wilkensburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,675,587; July 3.
- Ackerman-Blaesser-Fezzey, Inc. (See Ackerman, E. L., and Zwierzina, assignors.)
- Ackerman, Charles L., assignor to Lima Sheet Metal Products Company, Lima, Ohio. Ironing board. 1,684,378; Sept. 18.
- Ackerman Door Interviewer Corp. (See Ackerman, George W., assignor.)
- Ackerman, Edward L., and A. J. Zwierzina, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Clutch device. 1,657,561; Jan. 31.
- Ackerman, Edward L., and A. J. Zwierzina, assignors to Ackerman-Blaesser-Fezzey, Inc., Detroit, Mich. Sash-operating mechanism. 1,670,332; May 22.
- Ackerman, Ernest W., and G. C. Nicholson, assignors to Hydro-Check Corporation, Monroe, Mich. Rebound-device relief valve. 1,691,876; Nov. 13.
- Ackerman, Francis E., New Canaan, Conn., assignor to Julius Forstmann & Co., Inc., Passaic, N. J. Identification device. 1,688,101; Oct. 16.
- Ackerman, Frank, St. Louis, Mo., assignor to Curtis Manufacturing Co., Wellston, Mo. Car-washing apparatus. 1,658,473; Feb. 7.
- Ackerman, George W., assignor to Ackerman Door Interviewer Corp., New York, N. Y. Grille. 1,670,948; May 22.

- Ackerman, Peter, Washington County, assignor of one-half to J. A. Susbauer, Portland, Oreg. Electric cooker. 1,694,762; Dec. 11.
- Ackermann, Franz, Binningen, near Basle, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuff of the anthraquinone series containing the triazine ring and making same. 1,663,474; Mar. 20.
- Ackermann, George B. (See Klees, A. L., Greenfield, and Ackermann.)
- Ackermann, Gottlieb, Esslingen, assignor to the firm: Brann & Wolff, Berlin, Germany. Safety valve. 1,690,097; Nov. 6.
- Ackermann, Hugo, Goldesberg-on-the-Rhine, and W. Langenheim, Bonn-on-the-Rhine, Germany. Conical crushing mill. 1,656,895; Jan. 24.
- Ackermann, Paul W., North Bergen, N. J. Embroidered lace medallion. Des. 75,458; June 12.
- Ackley, Charles S., New York, N. Y. Apparatus for waving hair; 1,665,619; Apr. 10.
- Ackley, Charles S., New York, N. Y. Apparatus for waving hair. 1,689,004; Oct. 23.
- Ackley, Charles S., Brooklyn, N. Y. Method of and apparatus for forming Marcel waves. 1,668,836; May 8.
- Ackroyd, Alfred, et al. (See Cass, Albert, assignor.)
- Acme Air Appliance Co. (See Carliss, Albert E., assignor.)
- Acme Aluminum Foundry Company. (See Olsen, Norman D., assignor.)
- Acme Card System Company. (See Powell, Frank D., assignor.)
- Acme Devices Corporation. (See Sibley, Wesley B., assignor.)
- Acme Electric Manufacturing Company. (See Baenziger, Leonard, assignor.)
- Acme Knitting Machine & Needle Company. (See Stroud, Paul G., assignor.)
- Acme Lace Works, Inc. (See Meads, Walter, assignor.)
- Acme Motion Picture Projector Company. (See Ballman, E. C., and Evers, assignors.)
- Acme Road Machinery Company. (See Cook, D. B., and Cookinham, assignors.)
- Acme Shear Company, The. (See Conway, John J., assignor.)
- Acme Steel Company. (See Jones, Lloyd, assignor.)
- Acme Steel Company. (See MacChesney, Chester M., assignor.)
- Acme Steel Company. (See MacChesney, C. M., and Norton, assignors.)
- Acme Wire Co., The. (See Vallé, Paul B., assignor.)
- Acosta y Velo, Angel. (See Santos y Suarez, I., and Acosta y Velo.)
- Acoustic Products Company. (See Hutchison, Miller R., assignor.)
- Acro Aktiengesellschaft. (See Lang, Franz, assignor.)
- Aetlengesellschaft der Maschinenfabrik von Theodor Bell & Cie. (See Schnyder, Johann, assignor.)
- Acton, K. C. (See Brewer, Robert W. A., assignor.)
- Adair, Reid, Indianapolis, Ind., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Strip shingle. 1,655,885; Jan. 10.
- Adair, Samuel E., Chicago, Ill., and B. Knapp, assignors to Plane-Speaker Corporation, Kansas City, Mo. Aeroplane amplifier. 1,667,300; Apr. 24.
- Adam, Carl A., Hamburg, Germany. Producing printing plates specially for poster printing. 1,692,283; Nov. 20.
- Adam, Frank, Electric Co. (See Stieglitz, Henry M., assignor.)
- Adam, Matthew A. (See Antonio, George N., assignor.)
- Adam, Matthew A. (See Baillie, R., and Adam.)
- Adam, Matthew A., Chicago, Ill. Fermenting vessel and treating the same. 1,672,743; June 5.
- Adams, Alfred S. and W. B., and P. S. Moyer, Chicago, Ill. Candy jar. Des. 74,956; Apr. 24.
- Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic temperature regulator. 1,655,852; Jan. 10.
- Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making conductor terminals. 1,672,866; June 12.
- Adams, Arthur H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and device for electric welding. 1,677,161; July 17.
- Adams, Arthur J., Huntington Park, Calif. Wave motor. 1,665,198; Apr. 10.
- Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, Elkhart, Ind., now trading as Domore Chair Company. Leg brace for chairs. 1,670,561; May 22.
- Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, trading as Domore Chair Company, Elkhart, Ind. Swiveling chair. 1,674,081; June 19.
- Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, Elkhart, Ind., trading as Domore Chair Company. Chair. 1,691,033; Nov. 13.
- Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, Elkhart, Ind., trading as Domore Chair Company. Adjustable back rest for chairs. 1,691,034; Nov. 13.
- Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, Elkhart, Ind., trading as Domore Chair Company. Swiveling chair. 1,691,035; Nov. 13.
- Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, trading as Domore Chair Company, Elkhart, Ind. Footrest for chairs. 1,691,036; Nov. 13.
- Adams Bros. Mfg. Co. (See Steffen, Adolf, assignor.)
- Adams, Charles, New Kensington, Pa. Bottle or similar article of manufacture. Des. 75,088; May 8.
- Adams, Charles, Jr., Cliffside Park, N. J., assignor of one-half to S. F. Weston, New York, N. Y. Sprinkler system. 1,686,221; Oct. 2.
- Adams, Charles A., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Tray for bread-cooling machines. 1,680,441; Aug. 14.
- Adams, Charles A., assignor to Optical Industries Corporation, Davenport, Iowa. Restraining device for lens-grinding machines. 1,694,728; Dec. 11.
- Adams, Clara A., Jackson, Mich. Ironing board and support. 1,677,162; July 17.
- Adams, Clarence H. (See Tipton, Edward F., assignor.)
- Adams, Clark M., Clark M., Ottawa Hills, assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Electrical indicating instrument. 1,695,264; Dec. 18.
- Adams Company, The. (See Meyer, John B., assignor.)
- Adams, Edward T., Phoenix, Ariz., assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal-combustion engine. 1,678,897; July 31.
- Adams, Edwin J., Little Falls, N. Y. Baby carriage. 1,677,011; July 10.
- Adams Elsworth Bivalve Co. (See Adams, Ralph C. and J. T., assignors.)
- Adams, Ernest H., San Francisco, Calif. Shaving mirror. 1,657,334; Jan. 24.
- Adams, Ervin, Johnstown, assignor to T. Lochrie and J. B. Bell, Winber, Pa. Electric heating attachment for windshield wipers. 1,685,359; Sept. 25.
- Adams, Floyd W., Peoria, Ill., assignor to The Barrett Company, Saturator. 1,685,078; Sept. 25.
- Adams, Forrest E. (See McLaughlin, William C., assignor.)
- Adams, Frank H., Cleveland Heights, Ohio. Repeating and stopping attachment for phonographs. 1,655,081; Jan. 3.
- Adams, Fred, Merchantville, N. J. Picture exhibitor for talking machines. 1,658,030; Feb. 7.
- Adams, Gale L., Elizabeth, N. J., assignor to Standard Oil Development Company. Flotation method. 1,678,311; July 24.
- Adams, Gale L., Huntington Park, Calif., assignor to Standard Oil Development Company. Flotation oil. 1,678,312; July 24.
- Adams, George R. (See Obenhaus, F. W., and Adams.)
- Adams, Gus, Elkton, Ky. Fire-hose stand. 1,674,493; June 19.
- Adams, Harold S. and L. Meuser, Naugatuck, Conn., assignors to The Naugatuck Chemical Company. Manufacture of diphenylguanidine. 1,662,626; Mar. 13.
- Adams, Harry A., assignor to North East Electric Company, Rochester, N. Y. Die-casting mold. 1,691,220; Nov. 13.
- Adams, Harry E., assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Lamp-socket holder. 1,660,060; Feb. 21.
- Adams, Harry E., and H. L. Decker, assignors to The W. G. Nagel Electric Company, Toledo, Ohio. Rheostat-arm mount. 1,669,687; May 15.
- Adams, Harry F., Greenport N. Y. Building block. 1,684,050; Sept. 11.
- Adams, Harry L., Elvins, Mo. Gasoline engine. 1,689,576; Oct. 30.
- Adams, Henry, Plainfield, N. J. Apparatus for making colloidal fuel. 1,685,115; Sept. 25.
- Adams, Herald M. (See Moore, G. B., and Adams.)
- Adams Industries, Inc. (See Jacques, Raynaldo F., assignor.)
- Adams, James R. (See Bryan, H., Ross, and Adams.)
- Adams, James R., Hatboro, Pa. Roll and making same. 1,693,422; Nov. 27.
- Adams, John and W. H., Burlington, N. J. Extension for scraper bowls. 1,662,732; Mar. 13.
- Adams, John H., Minneapolis, Minn. Paper-folding machine. 1,659,585; Feb. 21.
- Adams, John J. F., Worcester, Mass. Engine brake. 1,658,960; Feb. 14.
- Adams, John L., Chicago, Ill. Nurse's portable sterilizing outfit. 1,668,443; May 1.
- Adams, Jonathan T. (See Adams, Ralph C. and J. T.)
- Adams, Joseph D., Beaumont, Tex. Screen-setting apparatus. 1,685,971; Oct. 2.
- Adams, Nathan H. (See Fuller, T. S., Adams, and Nolte.)
- Adams, Noel. (See Gail, J. B., and Adams.)
- Adams, Omar D., Davenport, Iowa. Leaf-turning guide. 1,659,067; Feb. 14.
- Adams, Raleigh J., Chicago, Ill. Boiler. 1,663,034; Mar. 20.
- Adams, Ralph C. and J. T., Somers Point, assignors to Adams Elsworth Bivalve Co., Montclair, N. J. Device for propagation of clams. 1,665,996; Apr. 10.
- Adams, Reed, Detroit, Mich. Method and apparatus for affixing stamps on mail matter. 1,658,218; Feb. 7.
- Adams, Robert C., Handsworth, Birmingham, England. Typesetting machine. 1,669,366; May 8.
- Adams, Robert E., assignor to Adjustable Gun Case Corporation, New York, N. Y. Gun case. 1,674,352; June 19.
- Adams, Roger, Urbana, assignor to Abbott Laboratories, North Chicago, Ill. Cyclopentenyl alkyl acetic acid. 1,677,123; July 17.

- Adams, Roger, J. M. Davidson, Urbana, Ill., and I. Gubelman, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. 3,4 diamino benzoyl o-benzic acids and making the same. 1,663,229; Mar. 20.
- Adams, Roger, and G. S. Hiers, Urbana, assignor to Abbott Laboratories, North Chicago, Ill. Cyclohexyl-substituted aliphatic acids. 1,693,801; Dec. 4.
- Adams, Roger, and J. F. Hyde, Urbana, Ill. Organic solvent. 1,689,762; Oct. 30.
- Adams, Roger, and J. F. Hyde, Urbana, Ill., assignors to The Newport Company, Carrollville, Wis. Cyclohexylalkyl-phthalic esters. 1,689,761; Oct. 30.
- Adams, Roger, Urbana, Ill., C. R. Noller, St. Louis, Mo., and J. A. Arvin, Urbana, assignors to Abbott Laboratories, North Chicago, Ill. Cyclopentenyl-substituted aliphatic acids. 1,678,175; July 24.
- Adams, Roger, Urbana, and E. H. Volwiler, assignors to The Abbott Laboratories, Chicago, Ill. Production of esters of aromatic acids. 1,676,470; July 10.
- Adams, Roy W., New Britain, Conn. Figurehead. 1,672,240; June 5.
- Adams, Thomas E., Cleveland, Ohio. Tire closure. 1,680,902; Feb. 28.
- Adams, Thomas E., Beatrice, Nebr. Slip joint for well casings. 1,674,938; June 26.
- Adams, Thomas O. (See Wise, W. J., and Adams.)
- Adams, Thomas O., assignor, by mesne assignments, to Wise-McClung Corporation, New Philadelphia, Ohio. Nozzle adjustment for vacuum cleaners. 1,663,364; Mar. 20.
- Adams, Walter F. (See Moore, B. S., and Adams.)
- Adams, Walter L. (See Pfueger, C. T., and Adams.)
- Adams, Walter L., and C. T. Pfueger, assignors to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,691,622; Nov. 13.
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Brake rod. 1,683,516; Sept. 4.
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Car seat. 1,684,301; Sept. 11.
- Adams, Wells C., Detroit, Mich. Composition of matter. 1,654,628; Jan. 3.
- Adams & Westlake Company, The. (See Hamm, William S., assignor.)
- Adams & Westlake Company, The. (See Holt, Thomas W., assignor.)
- Adams & Westlake Company, The. (See Legge, Thomas A., assignor.)
- Adams & Westlake Company, The. (See Levan, John F., assignor.)
- Adams, Wilber E., Detroit, Mich. Holding means for dentures. 1,654,627; Jan. 3.
- Adams, Wilbur C. (See De Groot, M., and Adams.)
- Adams, William H. (See Adams, John and W. H.)
- Adams, William H., Kenyon, R. I. Sectional induction coil. 1,694,091; Dec. 4.
- Adams, William J., jr., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Connector. 1,673,034; June 12.
- Adams, Willis B. (See Adams, Alfred S. and W. B., and Moyer.)
- Adams, Zenas P., assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Pump. 1,694,575; Dec. 11.
- Adamson, Arthur V. (See Jackson, G. P., and Adamson.)
- Adamson, Max, assignor to R. F. Carr, Tulsa, Okla. Padlock. 1,660,903; Feb. 28.
- Adamson, Max, assignor to R. F. Carr, Tulsa, Okla. Door lock. 1,660,904; Feb. 28.
- Adamston Flat Glass Company. (See Hart, Thomas B., assignor.)
- Adde and Company. (See Ek, Emil, assignor.)
- Addison, Amos L. Long Beach, Calif., assignor to The Curtis Corporation, Wilmington, Del. Pimento roaster. 1,660,061; Feb. 21.
- Addressograph Company. (See Duncan, Joseph S., assignor.)
- Addressograph Company. (See Duncan, J. S., and Hubbard, assignors.)
- Addressograph Company. (See Fellows, Raemond N., assignor.)
- Addressograph Company. (See Hubbard, Henry E., assignor.)
- Addressograph Company. (See Isaksen, Robert C., assignor.)
- Addressograph Company. (See Schaefer, George W., assignor.)
- Addyman, Arthur, and E. Bellavance, Plymouth, Mass. Tappet. 1,673,478; June 12.
- Adel, Emil, Chicago, Ill. Disk wheel. 1,659,387; Feb. 14.
- Adelman, Arthur, Chesaning, Mich. Fuse for projectiles. 1,672,145; June 5.
- Adelman, Arthur, Chesaning, Mich. Bore safety device for fuses. 1,689,470; Oct. 30.
- Adelmann, William, New York, N. Y. Sifter. 1,659,557; Feb. 21.
- Aderer, Julius, New York, N. Y. Denture material. 1,659,757; Feb. 21.
- Adjusta Company. (See Hirsh, Fred, assignor.)
- Adjustable Gun Case Corporation. (See Adams, Robert E., assignor.)
- Adjusto Hat Corporation. (See Fischer, Philip A., assignor.)
- Adkins, Elba O., assignor of one-half to The Huntington Auto Supply Company, Huntington, W. Va. Undercutting tool for commutators. 1,680,835; Aug. 14.
- Adkins, Elba O., assignor of one-half to The Huntington Auto Supply Company, Huntington, W. Va. Repair stand for engines, transmissions, and the like. 1,690,660; Nov. 6.
- Adkins, Floyd A., et al. (See Seitz, Charles F., assignor.)
- Adkins, Frank A., Chicago, assignor to Champion Folding Furniture Company, Waukegan, Ill. Folding cot. 1,693,423; Nov. 27.
- Adkins, Frank A., Chicago, and N. S. Harter, assignors to Champion Folding Furniture Company, Waukegan, Ill. Folding bed. 1,693,537; Nov. 27.
- Adkins, William H., Kansas City, Mo. Lawn mower. 1,677,377; July 17.
- Adlake Company, The. (See Hamm, William S., assignor.)
- Adlake Company, The. (See Levan, John F., assignor.)
- Adler, Alfred A., New York, N. Y., and H. Albertman, Philadelphia, Pa., assignors to Jacquard Knitting Machine Co., Inc., Union Hill, N. J. Knitting machine. 1,662,627; Mar. 13.
- Adler, Francis J., West New Brighton, N. Y. Knockdown container. 1,686,222; Oct. 2.
- Adler, Friedrich, Hamburg, Germany. Stenciling and dyeing fabrics and the like. 1,656,932; Jan. 24.
- Adler, Henry A., New York, N. Y. Removable bridge-work. 1,664,726; Apr. 3.
- Adler, Herman G. (See Hunford, R., and Adler.)
- Adler, Herman G. (See Knauss, E., and Adler.)
- Adler, Milton M. (See Reihlen, Hans, assignor.)
- Adlon, Joseph W., St. Louis, Mo. Time stamp. 1,683,319; Sept. 4.
- Adolfsson, Anders E., Korsnas, Sweden. Apparatus for lifting and tapping butts. 1,690,519; Nov. 6.
- Adrian, Jakob, Oberursel, Germany. Stopping mechanism for shoe-sewing machines. 1,674,234; June 19.
- Adsero, John, Messina, Transvaal, South Africa. Safety device for mine skips, lifts, and the like. 1,662,692; Mar. 13.
- Adsit, Frank W., St. Paul, assignor to Rotary Carton Machine Company, Minneapolis, Minn. Blanket roller for printing machines. 1,668,258; May 1.
- Ad-Tape Co. Inc. (See Close, Wilmot S., assignor.)
- Advance Machine Company. (See Richardson, M. H., and Antoine, assignors.)
- Advance Machine Works, Inc. (See Clift, Frederick E., assignor.)
- Advance-Rumely Company. (See Ballentine, W. I., and Thompson, assignors.)
- Advance-Rumely Company. (See Higgins, William H. C., jr., assignor.)
- Advance-Rumely Company. (See Worthington, Wayne H., assignor.)
- Advertisers Service Bureau. (See Pickett, R. C., and Thompson, assignors.)
- Advertising Machines Limited. (See Didcote, Ernest, assignor.)
- Adey, John F., Hilton, England. Spring suspension for motor vehicles. 1,684,692; Sept. 18.
- Aebischer, Joseph. (See Smallhouse, Albert A., assignor.)
- Aebli, Henry, Enright, Oreg. Combination faucet and vent. 1,665,490; Apr. 10.
- Aeby, Elizabeth, Indiana Harbor, Ind., assignor to L. Aeby, East Chicago, Ind. Automobile heater. 1,665,725; Apr. 10.
- Aeby, John H. (See Schulz, A. E., and Aeby.)
- Aeby, Louis. (See Aeby, Elizabeth, assignor.)
- Aeilts, Eerko S., Little Rock, Iowa. Applicator. 1,670,605; May 22.
- Aeolian Company, The. (See Cheek, Tolbert F., assignor.)
- Aeolian Company, The. (See Smith, Harry M., assignor.)
- Aeolian Company, The. (See Volare, Fred, assignor.)
- Aeolian Company, The. (See Zaiser, William, assignor.)
- Aeppli, Albert, assignor to Maag Gear Wheel and Machine Company, Ltd., Zurich, Switzerland. Gear-tooth-grinding machine. 1,668,932; May 8.
- Aernout, Robert, Baron van Lynden, London, England. Gradient meter. 1,677,220; July 17.
- Aero, Tovarna Ctadel. (See Arigi, Julius, assignor.)
- Aerocrete Corporation of America, The. (See Billner, Karl P., assignor.)
- Aeromarine Starter Company. (See Chilton, Roland, assignor.)
- Aeronautical Instrument Company. (See Heyl, P. R., and Briggs, assignors.)
- Aeroshade Company, The. (See Kimball, Edwin R., assignor.)
- Aeschbach, Friedrich, Aarau, Switzerland. Dough-kneading machinery. 1,685,185; Sept. 25.
- Aeschbach, Friedrich, Aarau, Switzerland. Kneading machine. 1,685,186; Sept. 25.
- Aeschbach, Friedrich, Aarau, Switzerland. Dough kneading and mixing machine. 1,685,187; Sept. 25.
- Aeschbach, Friedrich, Aarau, Switzerland. Dough kneading and mixing machine. 1,695,221; Dec. 11.
- Aeschbach, Friedrich, Aarau, Switzerland, assignor to The Artofex Corporation, New York, N. Y. Machine for stirring and beating dough and like materials. 1,679,342; Aug. 7.
- Affel, Herman A. (See Blackwell, O. B., and Affel.)
- Affel, Herman A. (See Espenschied, L., Affel, and Anderson.)

- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Reducing intersystem cross talk between carrier channels. 1,656,158; Jan. 17.
- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. High-frequency measuring system. 1,660,405; Feb. 28.
- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Repeater system. 1,662,876; Mar. 20.
- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. System for binaural transmission of signals. 1,666,158; Apr. 17.
- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Level control for carrier-transmission systems. 1,673,792; June 19.
- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Carrier-receiving system. 1,677,224; July 17.
- Affel, Herman A., Maplewood, N. J., assignor to American Telephone and Telegraph Company. High-frequency measuring system. 1,678,665; July 31.
- Affel, Herman A., Maplewood, and E. I. Green, East Orange, N. J., assignors to American Telephone and Telegraph Company. Reduction of losses in insulators, pins, and cross arms. 1,687,535; Oct. 16.
- Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Nonsinging reamplifying circuits. 1,657,451; Jan. 31.
- Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,676,240; July 10.
- Affleck, Theodore H., Cleveland, Ohio, and C. L. Madden, Detroit, Mich.; said Affleck assignor to said C. L. Madden. Ventilator. 1,654,716; Jan. 3.
- Agaricio, Julio, et al. (See Crespo, Ernest L., assignor.)
- Agasote Millboard Company, The. (See Becher, Hubert L., assignor.)
- Agasote Millboard Company, The. (See Harvey, Harold C., assignor.)
- Agassiz, Lewis R. S., Vancouver, British Columbia, Canada. Paint-spraying machine. 1,664,803; Apr. 3.
- Agate, Charlton S., and A. E. Hill, Chelmsford, England, assignors to Radio Corporation of America. Electric-current regulator. 1,655,451; Jan. 10.
- Agatz, Heinz, Berlin-Friedenau, Germany. Electric cigar and pipe lighter with exchangeable incandescent body. 1,691,836; Nov. 13.
- Agee, Charley D., Dallas, Tex. Shelf support and carrier. 1,655,721; Jan. 10.
- Agfa Ansco Corporation. (See Bornmann, Carl, assignor.)
- Agfa Ansco Corporation. (See Bornmann, Carl A., assignor.)
- Agfa Ansco Corporation. (See Lessler, Lew W., assignor.)
- Agfa Ansco Corporation. (See Lowkrantz, Gunne, assignor.)
- Agfa Ansco Corporation. (See Slocum, Benjamin A., assignor.)
- Aglow, Harry, New York, N. Y., assignor to The New York Lighting Fixture Mfg. Co. Lighting-fixture brace or article of similar nature. Des. 74,642; Mar. 13.
- Aglow, Harry, New York, N. Y., assignor to The New York Lighting Fixture Mfg. Co. Lighting-fixture arm or article of similar nature. Des. 74,643; Mar. 13.
- Aglow, Harry, New York, N. Y., assignor to The New York Lighting Fixture Mfg. Co. Lighting-fixture brace or article of similar nature. Des. 74,644; Mar. 13.
- Aglow, Harry, New York, N. Y., assignor to The New York Lighting Fixture Mfg. Co. Lighting-fixture backplate or analogous article. Des. 74,645; Mar. 13.
- Aglow, Harry, New York, N. Y., assignor to The New York Lighting Fixture Mfg. Co. Lighting-fixture bracket or article of similar nature. Des. 74,708; Mar. 20.
- Aglow, Harry, New York, N. Y., assignor to The New York Lighting Fixture Mfg. Co. Lighting-fixture body or article of similar nature. Des. 74,815; Apr. 3.
- Aglow, Harry, New York, N. Y., assignor to Artercraft Metal Stamping Corporation. Lighting fixture. 1,672,637; June 5.
- Agnew, John P. (See Thurlow, L. K., and Agnew.)
- Agronofsky, Abraham, St. Joseph, Mo. Condenser. 1,657,188; Jan. 24.
- Agthe, Carl A., Zurich, Switzerland. Production of emulsions. 1,668,136; May 1.
- Agthe, Carl A., Zurich, assignor to the firm J. R. Geigy S. A., Basel, Switzerland. Manufacture of disperse systems. 1,696,374; Dec. 25.
- Agular, Ramon, New York, N. Y. Safety razor. 1,664,279; Mar. 27.
- Ahern, Albert M., Santa Monica, Calif. Dishwashing device. 1,695,703; Dec. 18.
- Ahern, Harry H., Newport News, Va. Heel and arch support. 1,693,424; Nov. 27.
- Ahern, James L., and L. G. Ledger, New Orleans, La. Piston and rod packing. 1,667,092; Apr. 24.
- Ahlborn, Theodor, Chicago, Ill. Portable cottage. Des. 77,214; Dec. 18.
- Ahlborn, Theodor, Houston, Tex. Airplane hangar. Des. 75,199; May 22.
- Ahlers, John G., New York, N. Y. Concrete making. 1,656,903; Jan. 24.
- Ahlers, John G., New York, N. Y. Concrete-strength regulator. 1,656,904; Jan. 24.
- Ahles, Martha W., Chicago, Ill. Collapsible shoe cabinet. 1,678,415; July 24.
- Ahlgrim, John W., Santa Monica, Calif. Game. 1,658,961; Feb. 14.
- Ahlin, Hjalmar, Chicago, Ill. Mangle. 1,689,005; Oct. 23.
- Ahlm, Charles E. F., Cleveland Heights, Ohio. Windshield wiper. 1,657,335; Jan. 24.
- Ahlm, Charles E. F., assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,674,082; June 19.
- Ahlm, Charles E. F., Cleveland, and G. M. Soule, Euclid Village, assignors to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,674,083; June 19.
- Ahlm, Charles E. F., East Cleveland, assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,688,844; Oct. 23.
- Ahlm, Charles E. F., assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,696,178; Dec. 25.
- Ahlm, Charles E. F., assignor to Automotive Patent Holding Company, Cleveland, Ohio. Gear and clutch mechanism. 1,696,179; Dec. 25.
- Ahlquist, Eugene F., Minneapolis, Minn. Envelope. 1,682,458; Aug. 28.
- Ahlquist, Eugene F., Minneapolis, Minn., assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. Envelope. 1,662,913; Mar. 20.
- Ahlqvist, Harald, Rye, N. Y. Treating filter liquor. 1,696,224; Dec. 25.
- Ahlstrand, Karl J. G., Stockholm, Sweden. Manufacturing toroid coils. 1,656,933; Jan. 24.
- Ahman, Frank P., Norfolk, Va. Automobile backstop. 1,673,963; June 19.
- Ahrberg, Fritz, Berlin-Halensee, G. Keinath, Berlin-Charlottenburg, and K. Schrader, Berlin-Halensee, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. High-tension current transformer. 1,660,214; Feb. 21.
- Ahrendt, Harry T., Dubuque, Iowa. Cope head for tenoners and the like. 1,688,913; Oct. 23.
- Ahrens, Richard M., assignor to California Transit Company, Oakland, Calif. Sliding-window holder. 1,677,317; July 17.
- Aichinger, Fred, Cleveland, and J. J. Kopacka, East Cleveland, Ohio. Bottle. Des. 76,731; Oct. 30.
- Aiello, Vito, White Plains, N. Y. Oil burner. 1,680,193; Aug. 7.
- Aikele, Andreas, Moore, Idaho. Road drag. 1,663,965; Mar. 27.
- Aiken, Charles W., New York, N. Y. Soap-marking machine. 1,692,322; Nov. 20.
- Aiken, Edward L., East Orange, assignor to Carboloid Products Corporation, Newark, N. J. Plastic material and making the same. 1,668,444; May 1.
- Aiken, Edward L., East Orange, assignor to Carboloid Products Corporation, Newark, N. J. Making flexible molded articles of condensation products. 1,668,445; May 1.
- Aiken, George, Belgrade, Mont. Guard and operating means therefor. 1,655,302; Jan. 3.
- Aiken, Jannette K., administratrix. (See Aiken, Robert H.)
- Aiken, Joseph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Microphone. 1,678,842; July 31.
- Aiken, Joseph E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Microphone. 1,693,425; Nov. 27.
- Aiken, Joseph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Microphone system. 1,695,875; Dec. 18.
- Aiken, Robert H., deceased, Winthrop Harbor, Ill.; J. K. Aiken, administratrix. Apparatus for erecting reinforced-concrete building walls. 1,668,299; May 1.
- Aiken, Robert H., deceased; J. K. Aiken, administratrix. Winthrop Harbor, Ill. Apparatus for constructing concrete buildings. 1,668,300; May 1.
- Aikens, Robert H., Winnemucca, Nev. Oil burner. 1,675,149; June 26.
- Aikens, Thomas N., Oakwood, Ohio. Hydraulic shock absorber. 1,658,962; Feb. 14.
- Aikman, Burton S., Milwaukee, Wis. Clutch control. 1,669,438; May 15.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic pump. 1,658,031; Feb. 7.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic pump. 1,658,032; Feb. 7.
- Aikman, Burton S., Milwaukee, Wis., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hydraulic brake system. 1,660,466; Feb. 28.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Compressor. 1,667,233; Apr. 24.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Unloader. 1,668,795; May 8.
- Aimé, Frank L., Spokane, Wash. Attachment plug. 1,693,972; Dec. 4.

- Ainlay, Thomas W., Farnam, Nebr. Ore separator. 1,658,874; Feb. 14.
- Ainley, Eric and H., Stocks Moor, near Huddersfield, England. Apparatus for cutting stone and like material. 1,687,965; Oct. 16.
- Ainley, Harold. (See Ainley, Eric and H.)
- Ainsa, Joseph Y., Morenci, Ariz. Direction indicator. 1,687,419; Oct. 9.
- Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric-switch-operating mechanism. 1,675,290; June 26.
- Ainsworth, Chester D., Wollaston, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Electric switch. 1,690,996; Nov. 6.
- Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Auxiliary switch. 1,694,611; Dec. 11.
- Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Contact structure for electric switches. 1,694,612; Dec. 11.
- Ainsworth, Chester D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Motor-control switch. 1,694,613; Dec. 11.
- Ainsworth, George, Great Neck, N. Y. Combined electric-light socket and cover. 1,679,110; July 31.
- Ainsworth, George, Great Neck, N. Y. Screwless globe holder. 1,680,719; Aug. 14.
- Ainsworth, H. M. (See Smith, John H., assignor.)
- Ainsworth, Harry W., Croydon, A. C. Likely, Greenwich, and L. Boardman, Vaulause, New South Wales, Australia. Attachment for bulk containers for indicating level of liquid contents therein. 1,658,625; Feb. 7.
- Ainsworth Manufacturing Co. (See Potter, Albert T., assignor.)
- Ainsworth, Thomas H., Schenectady, N. Y. Locomotive truck. 1,655,805; Jan. 10.
- Airdry Corporation. (See Eppler, Lloyd C., assignor.)
- Air Reduction Company. (See Anderson, James L., assignor.)
- Air Reduction Company. (See Crowe, J. J., and Begerow, assignors.)
- Air Reduction Company. (See Georg, Walter, assignor.)
- Air Reduction Company. (See Houseman, Cecil R., assignor.)
- Air Reduction Company. (See Roberts, Montague H., assignor.)
- Air Reduction Company. (See Schlitt, J. L., and Dennis, assignors.)
- Air Reduction Company. (See Van Nuys, Claude C., assignor.)
- Airship Guarantee Company. (See Wallis, Barnes N., assignor.)
- Airship Guarantee Company. (See Wallis, B. N., and Burney, assignors.)
- Airships Incorporated. (See Boyle, James F., assignor.)
- Aitken, Hugh W., Glasgow, Scotland. Crushing of sugar cane. 1,674,150; June 19.
- Ajax-Brand Lock Corporation. (See Brand, Charles, assignor.)
- Ajax Electric Hammer Corporation. (See Barrett, Joseph C., assignor.)
- Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
- Ajax Manufacturing Company, The. (See Baumann, Karl, assignor.)
- Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
- Ajax Metal Company, The. (See Northrup, Edwin F., assignor.)
- Ajax Metal Company, The. (See Wyatt, James R., assignor.)
- Ajax Time Stamp Company. (See Marks, Albert J., assignor.)
- Akashi, Kazue, Tokyo, Japan. Drawing compass having a lengthening device of legs. 1,680,194; Aug. 7.
- A-Ke-Ne Products Company. (See Wilkes, C. H., and Calhoun, assignors.)
- Akemann, Walther, Essen, Germany, assignor, by mesne assignments, to N. V. Hazemeyer's Signal-Apparaten, Hengelo, Netherlands. Training mechanism for guns. 1,692,364; Nov. 20.
- Akers, Harrison R., Tyler, Tex. Guard-rail connector. 1,668,933; May 8.
- Akers, Herbert S., Montvale N. J., assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Therapy and infra-red-ray lamp. 1,684,081; Sept. 11.
- Akers, J. B. (See Luzzl, August F., assignor.)
- Akers, Johnny G. C., Wallace, Nebr. Merry-go-round. 1,692,106; Nov. 20.
- Akers, Maurice L., Pendleton, Oreg. Wheeled weeder. 1,667,764; May 1.
- Akers, Milton K. (See Johnston, H. L., and Akers.)
- Akers, Milton K., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Generating and transmitting system. 1,680,273; Aug. 14.
- Akers, Milton K., Troy, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Variable inductance device. 1,689,006; Oct. 23.
- Akeyson, Swan M., Long Beach, and J. J. Ferlin, assignors of one-fourth to A. W. Warr, Los Angeles, and one-fourth to M. G. Brumby, Crompton, Calif. Valve. 1,654,772; Jan. 3.
- Akimov, Sam, Oakland, Calif. Window-washer's seat. 1,668,882; May 8.
- Akins, Harlan D. (See Williams, P. E., and Akins.)
- Akon Safety Razor Co. (See Ansheim, Edward H., assignor.)
- Akron Lamp Company, The. (See Hoff, Chester A., assignor.)
- Akron Rubber Mold and Machine Company, The. (See Nesbitt, James H., assignor.)
- Akron-Selle Company, The. (See Hower, J. B., and Zeller, assignors.)
- Akron Standard Mold Company, The. (See Fleiter, A. J., and Miller, assignors.)
- Akron Standard Mold Company, The. (See Fleiter, A. J., Bostwick, and Miller, assignors.)
- Akron Standard Mold Company, The. (See Howlett, Clarence W., assignor.)
- Akron Standard Mold Company, The. (See Jahant, Augustus P., assignor.)
- Aktiebolaget A. Ekströms Maskinaffär. (See Säll, Erik, assignor.)
- Aktiebolaget Atlas Diesel. (See Danielsson, Axel U. S., assignor.)
- Aktiebolaget Atlas Diesel. (See Thege, Edwin O. P., assignor.)
- Aktiebolaget Baltic. (See Magni, Karl G., assignor.)
- Aktiebolaget Båsta. (See Heijkenskjöld, Gustaf O. W., assignor.)
- Aktiebolaget Birkä Regulator. (See Appelberg, Axel O., assignor.)
- Aktiebolaget Elektrisk Malmletning. (See Sundberg, Karl, assignor.)
- Aktiebolaget Fallskärn. (See Thörnblad, Axel R., assignor.)
- Aktiebolaget Formator. (See Granstedt, Erik, assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
- Aktiebolaget Manus. (See Ellison, Carl E., assignor.)
- Aktiebolaget Stille-Werner. (See Nordin, Josef A., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Helmstein, Lars G. H., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Olsson, Nils J., assignor.)
- Aktiebolaget Vaporackumulator. (See Ruths, Johannes, assignor.)
- Aktiebolaget Vaporackumulator. (See Ruths, Johannes K., assignor.)
- Aktiebolaget Vaporackumulator. (See Wettstein, Fritz, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Brown, Eric, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Buchli, Jacob, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Dällenbach, Walter, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See de Freudenreich, J., and Frey, assignors.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Faber, Paul, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Ferrari, Plinio, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Fischer, Josef, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Frey, Karl, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Haller, Arnold, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Jonas, Julius, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Keller, Gottlieb, assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Kubler, Johann, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Kübler, Johannes, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Ruegg, Henri, assignor.)
- Aktiengesellschaft Brown, Boveri and Cie. (See Schiesser, Max, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Suter, Philipp, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Wichert, Alfred, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Wirz, Ernest, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Wirz, E., Haller, and Kuntze, assignors.)
- Aktiengesellschaft Clander. (See Müller, Hermann, assignor.)
- Aktiengesellschaft für Cartonnagenindustrie. (See Mögel, Ernst, assignor.)
- Aktien-Gesellschaft für Schmiertechnik. (See Conrad, Ewald, assignor.)
- Aktiengesellschaft Seeriet. (See Egli, Huldreich, assignor.)
- Aktieselskapet Krystal. (See Isaachsen, Isak, assignor.)
- Aktieselskapet Norsk Staal (Elektrisk-Gas-Reduktion). (See Edwin, Emil, assignor.)

- Alabama Power Company. (See Nichols, Mark L., assignor.)
- Alaj, Antoine L., Chicago, Ill. Cushion tire. 1,677,124; July 17.
- Alamo Iron Works. (See Holmgreen, Julius H. and R. J., assignors.)
- Alassio, Federico, J. B., T., S., and F., Paysandu, Uruguay. Producing earthenware pipes and products resulting therefrom. 1,677,808; July 17.
- Alassio, Florencio. (See Alassio, Federico, J. B., T., S., and F.)
- Alassio, Juan B. (See Alassio, Federico, J. B., T., S., and F.)
- Alassio, Serafin. (See Alassio, Federico, J. B., T., S., and F.)
- Alassio, Tomás. (See Alassio, Federico, J. B., T., S., and F.)
- Alba Corporation, The. (See Mayer, Waldemar F., assignor.)
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Locking mechanism for lockers. 1,662,773; Mar. 13.
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Plate-metal cabinet and like structure. 1,669,073; May 8.
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Latching and locking mechanism. 1,670,277; May 15.
- Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Cabinet and locker. 1,676,235; July 10.
- Albanese, Giuseppe S. (See Sacco Albanese, Giuseppe.)
- Albany Perforated Wrapping Paper Company. (See Fairchild, William, assignor.)
- Albaugh, Maurice, Quincy, Ohio. Display case. 1,680,275; Aug. 14.
- Albee, William H., and A. G. Davis, assignors to Koehler Manufacturing Company, Marlboro, Mass. Cleat-trimming machine. 1,689,219; Oct. 30.
- Alber, Fred C., Cleveland, Ohio. Combined gas and electric cookstove or range. 1,667,521; Apr. 24.
- Alberini, Filoteo. (See Cerqua, Corrado, assignor.)
- Albers, August W., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Switch. 1,665,156; Apr. 3.
- Albers, George, Seattle, Wash. Soya-bean flour and producing the same. 1,684,654; Sept. 18.
- Albers, George C., et al. (See Davis, Robert R., assignor.)
- Albersheim, Walter J., New York, N. Y. Specific-gravity register. 1,689,658; Oct. 30.
- Albersheim, Walter J., New York, N. Y. Specific-gravity indicator. 1,689,659; Oct. 30.
- Albert, August. (See Pfleger, J., and Albert.)
- Albert, Frank J., Guttenberg, N. J., assignor to C. B. Cottrell & Sons Company, Westery, R. I. Device for eliminating the printing of impressions on impression-cylinder packings. Re16,905; Mar. 20.
- Albert, George G., Bangor, Pa. Blackboard hanger. 1,694,433; Dec. 11.
- Albert, Homer S., Mercer, Pa. Carbon scraper for piston-ring grooves. 1,654,851; Jan. 3.
- Albert, William, New York, N. Y. Hold-up safety device. 1,658,755; Feb. 7.
- Albertine, Herman, East Rutherford, N. J., assignor, by mesne assignments, to Rogers Products Co. Inc. Lubricating apparatus. 1,662,842; Mar. 20.
- Albertini, Albert and A., Staunton, Ill. Wrench. 1,665,944; Apr. 10.
- Albertini, Andrew. (See Albertini, Albert and A.)
- Albertman, Harry. (See Adler, A. A., and Albertman.)
- Albertoni, John A., Cleveland, Ohio. Swinging joint. 1,657,987; Jan. 31.
- Albertson & Company. (See Albertson, Frans O., assignor.)
- Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Reamer-grinding machine. 1,682,459; Aug. 28.
- Albertus, Carl R., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Loud-speaking telephone. 1,674,539; June 19.
- Albin, Jack J. (See De Nardis, C. R., and Albin.)
- Albino, Luigi, Brooklyn, N. Y. Lamp shade. Des. 77,144; Dec. 11.
- Albrecht, Albert W., University City, Mo. Centrifugal pump. 1,668,183; May 1.
- Albrecht, Arthur. (See Blackburn, J., and Albrecht.)
- Albrecht, Dieter, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for indicating the quotient of two electrical quantities. 1,677,378; July 17.
- Albrecht, Dieter, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Method and arrangement for comparative alternating-current measurements. 1,689,660; Oct. 30.
- Albrecht, George M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine and winding therefor. 1,655,737; Sept. 25.
- Albrecht, George M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine and winding therefor. 1,655,738; Sept. 25.
- Albrecht, Louis J. (See Humphrey, Aloysius R., assignor.)
- Albrecht, William F., Salt Lake City, Utah. Faucet. 1,667,580; Apr. 24.
- Albright, Andrew, jr., Miami Beach, Fla. Brush. 1,688,318; Oct. 23.
- Albright, Andrew, jr., Miami, Fla., assignor to Rubber and Celluloid Products Company, Newark, N. J. Lather brush or similar article. Des. 75,892; July 31.
- Albright, Andrew, 3d, Maplewood, N. J. Shaving brush. 1,694,364; Dec. 11.
- Albright, Andrew, 3d, Maplewood, N. J. Shaving brush. 1,694,365; Dec. 11.
- Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp-focusing device. 1,680,836; Aug. 14.
- Albright, Edward C., assignor to Indiana Lamp Corporation, Connersville, Ind. Headlamp construction. 1,693,478; Dec. 18.
- Albright, Henry F., jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding composition. 1,659,936; Feb. 21.
- Albright, Henry F., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating cores. 1,672,973; June 12.
- Albright, Henry F., jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding mechanism. 1,676,606; July 10.
- Albright, William. (See Wilson T. F., and Albright.)
- Albrittain, James R., et al. (See Muckelrath, Monroe M., assignor.)
- Alcorn Combustion Company. (See Nash, A. E., and Alcorn, assignors.)
- Alcorn, James S. (See Nash, A. E., and Alcorn.)
- Aldeen, Gedor W., assignor to Fyrac Manufacturing Co., Rockford, Ill. Adjustable range stop for spotlights. 1,657,653; Jan. 31.
- Aldeen, Gedor W., assignor to Fyrac Manufacturing Co., Rockford, Ill. Spotlight. 1,668,184; May 1.
- Aldeen, Gedor W., assignor to Fyrac Manufacturing Co., Rockford, Ill. Wide-range spotlight. 1,671,264; May 29.
- Aldeen, Gedor W., assignor to Fyrac Manufacturing Co., Rockford, Ill. Spotlight switch. 1,683,320; Sept. 4.
- Aldeen, Gedor W., assignor to Fyrac Manufacturing Co., Rockford, Ill. Spotlight. 1,687,821; Oct. 16.
- Alden, John W., Canton, Ohio, assignor to Central Alloy Steel Corporation, New York, N. Y. Wash or coating for ingot molds. 1,692,532; Nov. 20.
- Alden Manufacturing Company. (See Alden, Milton, assignor.)
- Alden, Milton, Springfield, Mass. Radio set connection. 1,688,772; Oct. 23.
- Alden, Milton, assignor to Alden Manufacturing Company, Springfield, Mass. Escutcheon plate for radioreceivers or the like. Des. 75,996; Aug. 14.
- Alden, Milton, assignor to Alden Manufacturing Co., Springfield, Mass. Telephone plug. 1,677,068; July 10.
- Alden, Milton, Springfield, assignor to Alden Manufacturing Company, Brockton, Mass. Electrical apparatus. 1,678,717; July 31.
- Alden, Milton, assignor to Alden Manufacturing Company, Springfield, Mass. Transformer. 1,690,154; Nov. 6.
- Alden, Milton, Springfield, assignor to Alden Manufacturing Company, Brockton, Mass. Vacuum-tube socket. 1,691,877; Nov. 13.
- Aldendorff, Charlotte, heiress. (See Aldendorff, Fritz.)
- Aldendorff, Charlotte, (sole heir). (See Aldendorff, Fritz.)
- Aldendorff, Friedrich E. (deceased). (See Aldendorff, Fritz.)
- Aldendorff, Fritz, deceased, Berlin-Wilmersdorf, Germany; C. Aldendorff, heiress. Automatic telephone system. 1,695,267; Dec. 18.
- Aldendorff, Fritz, Berlin-Wilmersdorf, Germany; C. Aldendorff heiress of F. E. Aldendorff, deceased. Electromechanical telephone system. 1,663,230; Mar. 20.
- Aldendorff, Fritz, Berlin-Wilmersdorf, Germany; C. Aldendorff, heiress of F. E. Aldendorff, deceased. Automatic telephone system. 1,663,231; Mar. 20.
- Aldendorff, Fritz, deceased, Berlin-Wilmersdorf, Germany; C. Aldendorff, heiress. Electromechanically-controlled telephone system. 1,669,368; May 8.
- Aldendorff, Fritz, deceased, Berlin-Wilmersdorf, Germany, assignor of one-fourth to P. Kolisch, New York, N. Y.; C. Aldendorff, sole heir. Automatic telephone system. 1,695,268; Dec. 18.
- Alder, Frank W., Oakland, and S. N. Baruch, Palo Alto, assignors to Federal Telegraph Company, San Francisco, Calif. Electric-circuit breaker. 1,658,912; Feb. 14.
- Alder, William A., Kennington, London, England, assignor, by mesne assignments, to International Skywriters Limited, Toronto, Canada. Optical sign projector. 1,682,163; Aug. 28.
- Alderfer, Sterling W., Akron, Ohio. Method and apparatus for the manufacture of tire beads. 1,666,038; Apr. 10.
- Alderman, Eugene R., assignor to Farr Alpaca Company, Holyoke, Mass. Bobbin-handling machine. 1,667,762; May 1.
- Alderson, Charles A., Virden, Ill. Wire stretcher. 1,662,733; Mar. 13.
- Alderson, Frederick J., Kingston, Ontario, Canada. Electric toaster. 1,682,653; Aug. 28.

- Aldinger, Fred, Ackley, Iowa. Jack. 1,675,015; June 26.
- Aldinger, Jacob G., assignor, by mesne assignments, to York Ice Machinery Corporation, York, Pa. Measuring-pan filler. 1,688,773; Oct. 23.
- Aldo, Ruth, Company, Inc. (See Barthélemy, Henri L., assignor.)
- Aldrich, Alonzo, Beloit, Wis. Mechanism for uniformly interweaving fibers. 1,682,460; Aug. 28.
- Aldrich, Alonzo, assignor to Beloit Iron Works, Beloit, Wis. Oscillating suction box. 1,677,128; July 17.
- Aldrich, Alonzo, assignor to Beloit Iron Works, Beloit, Wis. Mechanism for reeling paper and the like. 1,679,343; Aug. 7.
- Aldrich, Alonzo, and E. E. Berry, assignors to Beloit Iron Works, Beloit, Wis. Steam fitting. 1,666,637; Apr. 17.
- Aldrich, Alonzo, and E. E. Berry, assignors to Beloit Iron Works, Beloit, Wis. Steam fitting for journals of rotary steam cylinders or the like. 1,688,172; Oct. 16.
- Aldrich, Carl G., Somerville, Mass., assignor to Continental Optical Corporation, New York, N. Y. Eyeglass case. 1,682,719; Aug. 28.
- Aldrich, Carl G., Medford, Mass. Making leather cases. 1,696,788; Dec. 25.
- Aldrich, George H., High Point, N. C. Cap supporter. 1,659,068; Feb. 14.
- Aldrich, George H., High Point, N. C. Boltless dead-end clamp. 1,670,333; May 22.
- Aldrich, Herbert H. (See Norris, P. E., and Aldrich.)
- Aldrich, James, Los Angeles, Calif. Golf practice device. 1,670,290; May 22.
- Aldrich, John P., and H. A. Morris, assignors to The Automat Molding & Folding Company, Toledo, Ohio. Sheet feeding and severing mechanism. 1,659,069; Feb. 14.
- Aldrich, Lester K., Sidney, Ohio. Automatic caliper stop. 1,655,121; Jan. 3.
- Aldrich, Lester K., Sidney, Ohio. Delivery for folding machines. 1,655,672; Jan. 10.
- Aldrich, Lester K., Sidney, Ohio. Convertible oscillating rotary feeder. 1,664,960; Apr. 3.
- Aldrich, Lester K., Sidney, Ohio. Convertible oscillating rotary feeder. 1,664,961; Apr. 3.
- Aldrich, Lester K., Sidney, Ohio. Paper-folding machine. 1,674,462; June 19.
- Aldrich, Lester K., Sidney, Ohio. Holddown and register for automatic feeders. 1,675,525; July 3.
- Aldrich, Lester K., Sidney, Ohio. Duplicating machine drive and feed. 1,681,652; Aug. 21.
- Aldrich, Lester K., Sidney, Ohio. Convertible single or double rotary feeder. 1,696,705; Dec. 25.
- Aldrich, Loyd L., assignor to Preferred Oil Burners, Inc., Peoria, Ill. Safety control mechanism for fuel atomizers. 1,680,929; Aug. 14.
- Aldridge, Blair G. (See Card, E. W., Aldridge, and Multer.)
- Aleksandrowicz, Jozef, Boundbrook, N. J. Shoe. 1,660,664; Feb. 28.
- Aleksandrowicz, Jozef, Boundbrook, N. J. Attaching collars to shirts. 1,660,665; Feb. 28.
- Alemite Manufacturing Corporation. (See Burton, Charles S., assignor.)
- Alemite Manufacturing Corporation. (See Herb, Otto J., assignor.)
- Alemite Manufacturing Corporation. (See Manzel, Charles W., assignor.)
- Alemite Manufacturing Corporation. (See Pierce, Walter H., assignor.)
- Alemite Manufacturing Corporation. (See Piquerez, Emile, assignor.)
- Alemite Manufacturing Corporation. (See Roberts, Henry T., assignor.)
- Alemite Manufacturing Corporation. (See Robin, John N., assignor.)
- Alemite Manufacturing Corporation. (See Zerk, Oscar, assignor.)
- Alert Products, Inc. (See Norton, Arthur G., assignor.)
- Alesse, Joseph. (See Lavianno, B., Alesse, and Campagna.)
- Alex Corporation, The. (See Alexandrescu, Alexander M., assignor.)
- Alexander, Andrew, New York, N. Y. Tire. 1,688,322; Oct. 23.
- Alexander, Andrew M., Clay, Ky. Burial casket. 1,671,459; May 29.
- Alexander, Arthur A., New York, N. Y. Flywheel. 1,684,568; Sept. 18.
- Alexander, Boynton, San Antonio, Tex. Polished-rod rotator. 1,667,187; Apr. 24.
- Alexander, Carl Z. (See Alexander, Earl S. and C. Z.)
- Alexander, Charles E., assignor to Griffin Manufacturing Company, Erie, Pa. Foot bolt for doors. 1,670,430; May 22.
- Alexander, Clive M., Waxahachie, Tex. Heat-transfer apparatus. 1,658,025; Feb. 7.
- Alexander, Clive M., Waxahachie, Tex. Bubble cap for gas and liquid contact apparatus. 1,673,895; June 19.
- Alexander, Clive M., Tulsa, Okla. Gas and liquid contact apparatus. 1,667,136; Apr. 24.
- Alexander, Clive M., Tulsa, Okla. Fractionating oils. 1,667,340; Apr. 24.
- Alexander, Daniel E. (See Poston, Edwin L., assignor.)
- Alexander, David L., Chevy Chase, Md. Induction regulator. 1,671,963; June 5.
- Alexander, Earl C., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,666,250; Apr. 17.
- Alexander, Earl S. and C. Z., Newark, assignors, by mesne assignments, to E. C. Seward, Jersey City, N. J. Steam boiler. 1,679,344; Aug. 7.
- Alexander, Frederick, East St. Louis, Ill. Typewriter. 1,669,800; May 15.
- Alexander, Grant. (See Panalle, A., and Alexander.)
- Alexander, Harry, Allentown, Pa. Cigarette. 1,666,062; Apr. 17.
- Alexander, Harry H., Westfield, N. J. Method and apparatus for purifying metals. 1,687,277; Oct. 9.
- Alexander, Harry S., assignor to Tater-Flakes Company, Chicago, Ill. Display device. 1,677,318; July 17.
- Alexander, Irving, New York, N. Y. Signal lamp. Des. 74,859; Apr. 10.
- Alexander, J. Monroe, Spanish Fork, Utah. Toe-protector former. 1,657,600; Jan. 31.
- Alexander, John D. (See Shearon, C. E., Alexander, and Pearcey.)
- Alexander, Lewis C., Sparks, Okla. Switch. 1,568,545; Feb. 7.
- Alexander, Morris M., Marion, Ind. Badge. Des. 75,319; May 29.
- Alexander, Paul P., Worcester, Mass. Spark plug. 1,683,596; Sept. 11.
- Alexander, Roland B., and W. H. Rowan, Detroit, Mich. Testing apparatus. 1,685,973; Oct. 2.
- Alexander, Samuel, New York, N. Y. Scraper. 1,696,561; Dec. 25.
- Alexander, William L. (See Haynes, H. S., and Alexander.)
- Alexander, William P., Merchantville, N. J., assignor to R. H. Beaumont Company, Inc., Philadelphia, Pa. Skip-hoist system. 1,671,215; May 29.
- Alexander, Zeno, Kansas City, Mo. Transmission. 1,679,287; July 31.
- Alexanderson, Charles A., Brooklyn, assignor to E. W. Durkee, deceased, New York, N. Y., E. W. Durkee, H. W. D. Mileham, and Guaranty Trust Company of New York, administrators. Bottle-capping machine. 1,671,804; May 29.
- Alexanderson, Charles A., New York, N. Y., assignor to E. W. D. Humphrey, H. W. D. Mileham, and Guaranty Trust Company, administrators of Eugene W. Durkee, deceased. Apparatus for covering the openings in perforated covers for containers with paper or like material. 1,681,718; Aug. 21.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,655,035; Jan. 3.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Locomotive control. 1,655,037; Jan. 3.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Power-factor control system. 1,655,038; Jan. 3.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Regulating apparatus. 1,655,041; Jan. 3.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Speed-control system. 1,655,042; Jan. 3.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric motor. 1,667,647; Apr. 24.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of electric ship propulsion. 1,676,312; July 10.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Antenna. 1,677,698; July 17.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,677,699; July 17.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. 1,677,700; July 17.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,680,758; Aug. 14.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric apparatus. 1,694,244; Dec. 4.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electrical transmission of pictures. 1,694,301; Dec. 4.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures. 1,694,302; Dec. 4.
- Alexanderson, Ernst F. W., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Control of electric power. 1,655,036; Jan. 3.
- Alexanderson, Ernst F. W., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Speed-control system. 1,655,039; Jan. 3.
- Alexanderson, Ernst F. W., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Control of electric power. 1,655,040; Jan. 3.
- Alexanderson, Ernst F. W., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Circuit-control apparatus. 1,691,423; Nov. 13.
- Alexanderson, Ernst F. W., and S. E. Nixdorff, Schenectady, N. Y., assignors to General Electric Company. Control system. 1,669,153; May 8.

- Alexandrescu, Alexander M., assignor to The Alex Corporation, Cleveland, Ohio. Carburetor. 1,656,155; Jan. 17.
- Alexandrescu, Alexander M., assignor to The Alex Corporation, Cleveland, Ohio. Carburetor. 1,657,361; Jan. 24.
- Alexanian, Mihan H., Coytesville, N. J. Platen roller for typewriters. 1,666,403; Apr. 17.
- Alferink, William, assignor of one-third to J. H. Weaver and one-third to C. L. Weaver, Cleveland, Ohio. Combined holder and automatic circuit breaker for electric soldering irons. 1,675,401; July 3.
- Alfisi, Raffaele, Brooklyn, N. Y. Lock for preventing theft of automobiles. 1,655,350; Jan. 3.
- Alfred, James, Brockton, Mass. Shoe. 1,662,814; Mar. 20.
- Alfred, Theodore C., Lancaster, Ohio. Pulverizer. 1,691,951; Nov. 20.
- Algier, Allen P. (See Keech, D. E., and Algier.)
- Algonquin Electric Company. (See Potter, Leo, assignor.)
- Algyre, Harry D., Holdenville, Okla. Pipe coupling. 1,696,134; Dec. 18.
- Alibert, Emile, Paris, France. Automatic nail-feeding device for nailing machines. 1,688,260; Oct. 16.
- Aljac Lighting Fixture Co. (See Peinlich, Max, assignor.)
- Alkan, Robert, and G. Lesourd, Paris, France. Apparatus for throwing projectiles from aircraft. 1,654,852; Jan. 3.
- Alkan, Robert, and G. Lesourd, Paris, France. Gear for aerial bombardments. 1,656,850; Jan. 17.
- Alkan, Robert, and G. Lesourd, Paris, France. Regulating apparatus for operating from a distance devices for releasing projectiles from aircraft. 1,675,835; July 3.
- Alkan, Robert, and G. Lesourd, Paris, France. Device for releasing projectiles on aircraft. 1,676,762; July 10.
- All Metal Products Co. (See Schmidt, William F., assignor.)
- Allan, Archibald. (See Clothier, H. W., and Allan.)
- Allan, Archibald, North Shields, and W. Clothier, Wallsend-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Operating gear of electric switches. 1,665,291; Apr. 10.
- Allan, William, Dundee, Scotland. Internal-combustion engine. 1,684,293; Sept. 31.
- Allan, William G., Toronto, Ontario, Canada, assignor, by mesne assignments, to F. G. Clark. Electrolytic gas-generating system. 1,660,147; Feb. 21.
- Allan, William N., San Antonio, Tex. Lens for headlights. 1,659,508; Feb. 14.
- Alland, Maurice, Atlantic City, N. J. Multicolor fountain pen. 1,668,621; May 8.
- Alland, Maurice, Atlantic City, N. J. Game. 1,682,822; Sept. 4.
- Alland, Maurice, Atlantic City, N. J. Pocket golf game. 1,686,647; Oct. 9.
- Alland, Maurice, Atlantic City, N. J. Pencil and eraser therefor. 1,692,483; Nov. 20.
- Alland, Maurice, Atlantic City, N. J. Adjustable cigar and cigarette holder. 1,692,971; Nov. 27.
- Alland, Maurice, Atlantic City, N. J. Combined comb and razor. 1,693,973; Dec. 4.
- Allard, Alfred J., Eldridge, Calif. Attachment for vehicle direction indicators. 1,674,494; June 19.
- Allardt, Hans G. (See Schoeller, W., and Allardt.)
- Allatt, Thomas, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y. Bag-closing machine. Re16,897; Mar. 13.
- Allcutt, Chester T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission device. 1,693,426; Nov. 27.
- Allegemeine Gesellschaft für Chemische Industrie. (See Edeleanu, Lazar, assignor.)
- Allegheny Steel Company. (See Clay, Francis H., assignor.)
- Allegheny Steel Company. (See Hostettler, Leigh W., assignor.)
- Allegheny Steel Company. (See Otte, Otho M., assignor.)
- Allegheny Steel Company. (See Schulte, Louis, assignor.)
- Allegre, Joseph, Tuolumne, Calif. Casing filler for tires. 1,667,711; May 1.
- Allegrezza, Frank, Chicago, Ill. Reminder. 1,679,198; July 31.
- Alleman, Gellert, Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Fatty acid and soaps derived from mineral oil and making same. 1,694,461; Dec. 11.
- Alleman, Gellert, Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Mineral-oil derivatives and making same. 1,694,462; Dec. 11.
- Alleman, Gellert, Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Mineral-oil derivative and making same. 1,694,463; Dec. 11.
- Allemeier, Henry, assignor to The Woodcraft Company, Toledo, Ohio. Article of furniture. 1,684,936; Sept. 18.
- Allen, Albert. (See Webb, S. W., and Allen.)
- Allen, Albert. (See Webb, S. W., Callan, and Allen.)
- Allen, Albert B., Santa Monica, Calif. Fastener. 1,696,467; Dec. 25.
- Allen, Andrews, Glencoe, Ill. Draft mechanism. 1,661,317; Mar. 6.
- Allen, Andrews, Glencoe, assignor to Allen & Garcia Company, Chicago, Ill. Overturning skip apparatus. 1,687,278; Oct. 9.
- Allen, Arthur G., Cambridge, Mass. Paint-can holder. 1,693,772; Dec. 4.
- Allen, Arthur H., Jr., Philadelphia, Pa. Vacuum tube. 1,660,025; Feb. 21.
- Allen, Arthur H., Philadelphia, Pa. Combination sanitary refrigerator and waste-disposal apparatus. 1,695,133; Dec. 11.
- Allen, Arthur W., Berkeley, Calif. Production of clear brine or other liquors. 1,687,703; Oct. 16.
- Allen, Benjamin H., Beaumont, Tex. Serving device. 1,695,628; Dec. 18.
- Allen, Carlos H., Detroit, Mich., assignor to The New Departure Manufacturing Company, Bristol, Conn. Adjusting nut. 1,693,538; Nov. 27.
- Allen, Charles A., Tucson, Ariz. Rail joint. 1,665,652; Apr. 10.
- Allen, Charles H., Claremont, N. H., assignor to Sullivan Machinery Company. Rock-drilling motor. 1,680,247; Aug. 7.
- Allen, Charles H., Claremont, N. H., assignor to Sullivan Machinery Company. Motor. 1,680,250; Aug. 7.
- Allen, Charles H., assignor to Yates Lumber Company, Penn Yan, N. Y. Mechanism for attaching wire handles to baskets. 1,694,901; Dec. 11.
- Allen, Charles J., Moorestown, N. J., assignor to S. L. Allen & Co., Inc. Seeding implement. 1,696,562; Dec. 25.
- Allen, Clark J., Minneapolis, Minn. Air-conditioning humidifier. 1,668,707; May 8.
- Allen, Edward B., Dunnellon, Fla. Logging boat. 1,680,195; Aug. 7.
- Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Driving and stopping mechanism. 1,659,937; Feb. 21.
- Allen, Edward R., and W. E. Kaufmann, East Orange, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dispersing powder and making. 1,665,945; Apr. 10.
- Allen, Edwin W., Schenectady, N. Y., assignor to General Electric Company. Control apparatus. 1,654,956; Jan. 3.
- Allen, Floyd. (See Dysinger, Ross, assignor.)
- Allen, Floyd P., assignor to The Enamel Products Company, Cleveland, Ohio. Packing device. 1,667,279; Apr. 24.
- Allen, Frank B., Philadelphia, Pa., assignor, by mesne assignments, to F. H. Dunbar. Ash gate. 1,668,796; May 8.
- Allen, Frank B., Lower Merion Township, Montgomery County, Pa., assignor, by mesne assignments, to F. H. Dunbar, Cleveland, Ohio. Sluiceway nozzle. 1,694,635; Dec. 11.
- Allen, Frank L., Montclair, N. J. Method and apparatus for screening-fluids. 1,685,621; Sept. 25.
- Allen, Frank L., Montclair, N. J., and A. D. Flower, Wilmington, assignors to Edge Moor Iron Company, Edge Moor, Del. Drying apparatus. 1,680,274; Aug. 14.
- Allen, Frank R., and H. M. Champion, Pine Bluff, Ark. Dump body. 1,690,045; Oct. 30.
- Allen & Garcia Company. (See Allen, Andrews, assignor.)
- Allen, George, Jr., assignor to George Allen & Son, New York, N. Y. Baffle-slot block. 1,674,386; June 19.
- Allen, George, Jr., New York, N. Y., and F. C. Simpson, West Somerville, Mass., assignors to George Allen & Son, New York, N. Y. Air-cooled wall. 1,674,422; June 19.
- Allen, George, Jr., New York, N. Y., and F. C. Simpson, West Somerville, Mass., assignors to George Allen & Son, New York, N. Y. Wall construction. 1,685,591; Sept. 25.
- Allen, George, & Son. (See Allen, George, Jr., assignor.)
- Allen, George, & Son. (See Allen, G., Jr., and Simpson, assignors.)
- Allen, George E., Buffalo, N. Y. Lantern. 1,664,447; Apr. 3.
- Allen, George E., Buffalo, N. Y. Tool guard. 1,665,804; Apr. 3.
- Allen, George H., Clinton, N. Y. Weatherproof sign. 1,679,288; July 31.
- Allen, George T., Dunellen, N. J. Concrete-mixing machine. 1,668,185; May 1.
- Allen, George T., New York, N. Y., assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Fluid charging and discharging valve for concrete mixers. 1,660,777; Feb. 28.
- Allen, George W., assignor to B. F. Sturtevant Company, Hyde Park, Mass. Foundation method. 1,691,037; Nov. 13.
- Allen, George Y., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Frequency regulator. 1,682,461; Aug. 28.
- Allen, Gerald H., Detroit, Mich. Gauge. 1,677,424; July 17.
- Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 74,860; Apr. 10.
- Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 76,111; Aug. 21.
- Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 76,112; Aug. 21.
- Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 76,174; Aug. 21.
- Allen, Harold D., East Hampton, Conn. Toy television. 1,656,905; Jan. 24.

- Allen, Harold G., Denver, Colo. Fish-landing net. 1,668,835; May 8.
- Allen, Harrison L., assignor to Canadian Sturdy Chain Company Limited, Sherbrooke, Quebec, Canada. Vanity case. 1,694,727; Dec. 11.
- Allen, Henry B., assignor to Henry Disston and Sons, Incorporated, Philadelphia, Pa. Alloy steel. 1,681,797; Aug. 21.
- Allen, Henry W., Seattle, Wash. Hot-air generator. 1,682,102; Aug. 28.
- Allen, Herbert W., Fresno, Calif. Carburetor. 1,690,962; Nov. 6.
- Allen, Horace E., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass. 1,655,933; Jan. 10.
- Allen, Howard E., Lima, Ohio. Two-cycle gas engine. 1,676,512; July 10.
- Allen, Howard G., assignor to The J. L. Morrison Company, Inc., Niagara Falls, N. Y. Assembling machine. 1,658,626; Feb. 7.
- Allen, Howard G., assignor to Morrison Stitcher Corporation, Niagara Falls, N. Y. Stapling machine. 1,675,080; June 26.
- Allen, Howard G., assignor to Morrison Stitcher Corporation, Niagara Falls, N. Y. Clincher for wire-stapling machines. 1,675,779; July 3.
- Allen, Jack, Brooklyn, N. Y. Resilient wheel. 1,695,629; Dec. 18.
- Allen, James, Washington, D. C. Electric discharge device. 1,663,873; Mar. 27.
- Allen, James B., et al. (See Tartar, Roscoe C., assignor.)
- Allen, James B., Shidler, Okla., and E. O. Hamilton, Columbus, Ohio. Electric car. 1,679,068; July 31.
- Allen, James E., and H. G. Schwoeppe, assignors to Boyer Fire Apparatus Company, Logansport, Ind. Chemical fire-extinguishing device. 1,662,053; Mar. 13.
- Allen, James G., Chicago, Ill. Electric telescope. 1,681,833; Aug. 21.
- Allen, John, assignor of one-half to I. J. Hollensbe, Greensburg, Ind. Preparing fowls for plucking. 1,668,039; May 1.
- Allen, John L., Prides Crossing, Mass. Combined cabinet and antenna for a radio receiving set. Des. 74,247; Jan. 17.
- Allen, John M., Toronto, Ontario, Canada. Making hosiery. 1,669,801; May 15.
- Allen, John M., Toronto, Ontario, Canada. Stocking. 1,674,627; June 26.
- Allen, John M., Mart, Tex. Folding crate. 1,675,319; July 3.
- Allen, John W., Burnley, England. Wiping device for window screens, windows, and the like. 1,683,943; Sept. 11.
- Allen, Lee E., and J. K. Furst, assignors to Pennsylvania Engineering Works, New Castle, Pa. Hot-metal mixer. 1,678,455; July 24.
- Allen, Lewis H., West Springfield, Mass. Inflatable toy. 1,673,479; June 12.
- Allen, Ralph S., assignor to Duratex Corporation, Newark, N. J. Method and apparatus for coating fabrics. 1,667,408; Apr. 24.
- Allen, Raymond E., Providence, R. I. Stand for heating electric sadirons. 1,679,756; Aug. 7.
- Allen, Robert C. (See Hodgkinson, F., and Allen.)
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thrust bearing. 1,666,521; Apr. 17.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-cylinder support. 1,678,968; July 31.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine support. 1,682,317; Aug. 28.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power plant. 1,684,082; Sept. 11.
- Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety valve. 1,690,093; Nov. 6.
- Allen, Robert C., Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company. Gear structure. 1,678,582; July 24.
- Allen, Robert N., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Bolt and nut assembly. 1,671,757; May 29.
- Allen, S. L., & Co. (See Allen, Charles J., assignor.)
- Allen, S. L., & Co. (See Geraldson, Gerald, assignor.)
- Allen, Samuel, Jonesboro, Ill. Hot-tamale-forming machine. 1,661,916; Mar. 6.
- Allen, Samuel G., trustee. (See Tolman, B. C., De Baufre, Davis, and Roberts, assignors.)
- Allen, Sarah R., Bethel, Conn. Convertible go-cart and crib. 1,693,633; Dec. 4.
- Allen, Scott E., and O. N. Wiswell, assignors to Swing-spout Measure Co., Los Angeles, Calif. Swing-spout measure. 1,662,050; Mar. 13.
- Allen, Sherman T., Los Angeles, Calif. Puncture-sealing inner tube. 1,689,907; Oct. 30.
- Allen, Stratford B., Cambridge, Mass. Reception apparatus for telephone systems. 1,696,024; Dec. 18.
- Allen, Stratford B., Framingham, and L. R. Sutherland, Boston, Mass., assignors, by mesne assignments, to The Cleveland Trust Company, trustee, Cleveland, Ohio. Electrically-operated remote control indicator. 1,657,910; Jan. 31.
- Allen, Thomas W., Philadelphia, and W. F. Bokum, Jenkintown, assignors to Proctor and Schwartz, Incorporated, Philadelphia, Pa. Picker. 1,672,704; June 5.
- Allen, Walter J., et al. (See Rowley, Benjamin F., assignor.)
- Allen, Walter P., Jersey City, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,656,934; Jan. 24.
- Allen, W. D., Manufacturing Company. (See Meng, Harry E., assignor.)
- Allen, W. F., et al. (See Smoot, Samuel K., assignor.)
- Allen, Will D., New Durham, N. H., assignor to The Fuller Brush Company, Hartford, Conn. Handle for brushes or similar implements. Des. 75,320; May 29.
- Allen, William A., New York, N. Y. Device for controlling radiator shutters. 1,683,433; Sept. 4.
- Allen, William E., San Francisco, Calif. 1,656,130; Jan. 10.
- Allen, William G., Salem, Oreg. Grader. 1,673,133; June 12.
- Allen, William G., Salem, Oreg. Grading materials. 1,673,174; June 12.
- Allen, William G., Salem, Oreg. System of grading materials. 1,673,175; June 12.
- Allen, William H., Detroit, Mich. Rustproofing process. 1,654,716; Jan. 3.
- Allen, William H., Detroit, Mich. Treating fouled enamel-removing solutions. 1,656,154; Jan. 17.
- Allen, William J., St. Cloud, Minn. Table for carrying stone for cutting. 1,685,661; Sept. 25.
- Allender, Fred E., Davenport, Iowa. Toy catapult. 1,680,077; Aug. 7.
- Allender, Howard W. (See Harrison, H. H., Allender, and Fout.)
- Allendorf, George A., and P. M. Kaberline, Topeka, Kans. Attaching means for railroad rails. 1,672,865; June 12.
- Allenic, Paul, Paris, France. Gradual-clamping clip for braces, sock suspenders, and such like. 1,692,917; Nov. 27.
- Allerheiligen, Albert H., L. F. Crain, and C. Erichsen, Missouri Valley, Iowa. Frostproof guard. 1,679,802; Aug. 7.
- Allerton, Samuel E., Chicago, Ill. Receptacle. 1,670,131; May 15.
- Alley, Charles M., San Francisco, Calif. Concrete wall construction. 1,670,057; May 15.
- Alley, Charles R., Washington, D. C. Lock and latch. 1,691,750; Nov. 13.
- Alley, Stephen E., London, and A. C. Hutt, Shrewsbury, assignors to The "Sentinel" Waggon Works (1920) Limited, Westminster, England. Tipping vehicle. 1,674,495; June 19.
- Alfree, Edwin H., and A. R. Williams, assignors to The Ironton Engine Company, Ironton, Ohio. Conveyor. 1,662,808; Mar. 20.
- Allgemeine Gesellschaft für Chemische Industrie. (See Edeleanu, Lazar, assignor.)
- Allgemeine Gesellschaft für Chemische Industrie m. b. H. (See Hess, Wilhelm, assignor.)
- Alliance Vitrifed China Company, The. (See Hashagen, August, assignor.)
- Allied Drug Products Company. (See Kincannon, Frank L., assignor.)
- Allied Packers, Inc. (See Cushman, Arthur W., assignor.)
- Allinger, Albert A., Richmond Hill, N. Y. Figure wheel toy. 1,686,061; Oct. 2.
- Altingham, John, Los Angeles, Calif. Making zinc. 1,674,030; June 19.
- Alis, Amber, Milwaukee, Wis. Cooking mold. 1,688,319; Oct. 23.
- Allis-Chalmers Manufacturing Company. (See Albrecht, George M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brainard, Frank K., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brown, Arthur J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brown, Edwin H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Dahlstrand, Hans P., assignor.)
- Allis-Chalmers Manufacturing Company. (See Deutsch, Edward I., assignor.)
- Allis-Chalmers Manufacturing Company. (See De Wein, George F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Dorfman, Morton I., assignor.)
- Allis-Chalmers Manufacturing Company. (See Earle, Ralph H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Furnas, William C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Geist, Walter, assignor.)
- Allis-Chalmers Manufacturing Company. (See George, Edgar C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Hagmaler, William G., assignor.)
- Allis-Chalmers Manufacturing Company. (See Jeffrey, Fraser, assignor.)

- Allis-Chalmers Manufacturing Company. (See Johnston, George F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Kane, John J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Keine, William E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Kirsch, Edward, assignor.)
- Allis-Chalmers Manufacturing Company. (See Knight, Earle R., assignor.)
- Allis-Chalmers Manufacturing Company. (See Lieber, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nagler, Forrest, assignor.)
- Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nye, Henry V., assignor.)
- Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
- Allis-Chalmers Manufacturing Company. (See Pfau, A., and Grob, assignors.)
- Allis-Chalmers Manufacturing Company. (See Powell, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Ring, Joseph J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Ring, J. J., and Schindler, assignors.)
- Allis-Chalmers Manufacturing Company. (See Roberts, James F., assignor.)
- Allis-Chalmers Manufacturing Company. (See Shaw, Ernest C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Sprado, Carl G., assignor.)
- Allis-Chalmers Manufacturing Company. (See Welsh, Alfred L., assignor.)
- Allis-Chalmers Manufacturing Company. (See Williamson, Robert B., assignor.)
- Allis, Louis, Company, The. (See Barr, John M., assignor.)
- Allison, Harriet O., Charlotte, N. C. Post-base trimmer. 1,665,726; Apr. 10.
- Allison, Harvey M., assignor to John Bath & Company, Inc., Worcester, Mass. Roughing tap. 1,668,751; May 8.
- Allison, John J., Jr., and J. Jacks, Chandler, Ariz. Piston-ring tool. 1,657,294; Jan. 24.
- Allison, Kathryn L., Los Angeles, Calif. Combination vanity case. 1,692,194; Nov. 20.
- Allison, Murrell G. (See Roos, C. K., and Allison.)
- Allison, Richard H., Shreveport, La., assignor to Royal Muralite Corporation, Inc. Magnesitic artificial stone. 1,672,293; July 5.
- Allman, John C., Pittsburgh, Pa. Concrete-form clamp. 1,660,905; Feb. 28.
- Allmänna Svenska Elektriska Aktiebolaget. (See Dreyfus, Ludwig, assignor.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Rönnberg, Daniel, assignor.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Rönnberg, D., and Rooth, assignors.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Ytterberg, Arle, assignor.)
- Allmänna Svenska Elektriska Aktiebolaget. (See Ytterberg, A., and Garde, assignors.)
- All Metal Products Company. (See Schmidt, William F., assignor.)
- Allover Mfg. Co. (See Meltzer, H. E., and Svoren, assignors.)
- Alloy Metal Products Co. (See Shortt, James, assignor.)
- Alloy Steel Corporation. (See Herman, Gilmore N., assignor.)
- Alloys Company, The. (See Newell, Minton H., assignor.)
- Allsop, George, et al. (See Rogers, Adrian E., assignor.)
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Fabric drier. 1,681,078; Aug. 14.
- Allsop, Thomas, and H. H. Wigglesworth, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,658,785; Feb. 7.
- Allsop, Thomas, and H. H. Wigglesworth, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,660,312; Feb. 28.
- Allsop, William H. (See Duke, A., Allsop, and Medford.)
- Allwill, Stephen S., assignor to The Allwill Variable Compression Engine Co., Ltd., Auckland, New Zealand. Internal-combustion engine. 1,668,883; May 8.
- Allwill, Stephen S., assignor to The Allwill Variable Compression Engine Co., Ltd., Auckland, New Zealand. Internal-combustion engine. 1,671,661; May 29.
- Allwill Variable Compression Engine Co. (See Allwill, Stephen S., assignor.)
- Allworth, Arthur B., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,680,078; Aug. 7.
- Allyn, William N., Auburn, N. Y. Surgical instrument. 1,662,227; Mar. 13.
- Allzeit, Emil, Königberg, Germany. Piston valve. 1,675,320; July 3.
- Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)
- Almen, John O., Seattle, Wash. Internal-combustion engine. 1,679,924; Aug. 7.
- Almqvist, Max N., and A. B. Jablonski, Milwaukee, Wis. Yarn balloon. 1,664,149; Mar. 27.
- Almqvist, Milton L. (See Demarest, C. S., and Almqvist.)
- Almqvist, Milton L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system employing machine-switching dial. 1,662,877; Mar. 20.
- Almqvist, Milton L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,672,049; June 5.
- Almy, Cecil B. (See Feaster, E. B., and Almy.)
- Alox Chemical Corporation. (See Burwell, Arthur W., assignor.)
- Alpaugh, Clifford J., Mercerville, N. J., assignor, by mesne assignments, to Meteor Electric Corporation, New York, N. Y. Electric socket. 1,675,016; June 26.
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Stoker construction. 1,656,767; Jan. 17.
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Safety device for stokers. 1,662,657; Mar. 13.
- Alphin, Gilbert E., Mount Olive, N. C. Window fixture. 1,685,831; Oct. 2.
- Alric, Emile A. M., Portes, near La Vernarede, France. Preventing overheating of bearings. 1,675,780; July 3.
- Alsaker, Alfred. (See Van Ryan, T., and Alsaker.)
- Alsatian Machine Works, Limited. (See Homans, William P., assignors.)
- Alsberg, Julius, New York, N. Y., assignor to H. Heller & Company, Chicago, Ill. Separating liquids. 1,656,716; Jan. 17.
- Alschuler, Ernest, St. Louis, Mo., assignor of one-half to National Carbon Company, Inc., and one-half to H. Hyman, New York, N. Y. Battery hand lamp. 1,696,513; Dec. 25.
- Alsop, Samuel, New York, N. Y. Mixer. 1,693,170; Nov. 27.
- Alspaugh, James S., Columbus, Ohio. Speed-equalizing means for motor-vehicle transmission shafts. 1,666,766; Apr. 17.
- Altamirano, Alberto, assignor to Moisés Solana, Mexico City, Mexico. Cleaning thrashed cereals. 1,688,678; Oct. 23.
- Altbach, George H., Brooklyn, N. Y., assignor to Eagle Lites, Inc. Lighting-fixture plate or analogous article. Des. 76,974; Nov. 27.
- Altbach, George H., Brooklyn, N. Y., assignor to Eagle Lites, Inc. Bracket plate for lighting fixtures or analogous articles. Des. 76,975; Nov. 27.
- Altbuch, Morris, Brooklyn, N. Y. Ornamental form and making same. 1,690,764; Nov. 6.
- Altamus, Jacob K., Philadelphia, Pa. Yarn-winding machine. 1,676,374; July 10.
- Altamus, Jacob K., Philadelphia, Pa. Knot catcher and yarn cleaner. 1,692,399; Nov. 20.
- Altenbach, Otto, Los Angeles, Calif. Combined scissors and shoehorn. 1,681,691; Aug. 21.
- Altenkirch, Edmund, Altlandsberg-Sud, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, Germany. Heating buildings. 1,683,434; Sept. 4.
- Alter, Frank R. (See Howe, Chester C., assignor.)
- Alter, Henry A., Yonkers, and M. Schwartzman, New York, N. Y. Fur-drying apparatus. 1,692,716; Nov. 20.
- Alter, Julius M., assignor to Western Envelope Corporation, Brooklyn, N. Y. Locking-tongue envelope. 1,670,647; May 22.
- Altermatt, George, assignor to Gibson, Incorporated, Kalamazoo, Mich. Resonance ring for stringed musical instruments. 1,678,456; July 24.
- Alterson, Louis, New York, N. Y. Fastening device. 1,691,453; Nov. 13.
- Altfather, Frederick M., assignor to Covington Machine Company, Inc., Covington, Va. Train-hose nipple-pulling tool. 1,655,641; Jan. 10.
- Altfather, Frederick M., assignor to Covington Machine Company, Inc., Covington, Va. Train-hose nipple-assembling tool. 1,655,642; Jan. 10.
- Altfather, Frederick M., E. H. Archer, and A. B. Rumsey, assignors to Covington Machine Company, Inc., Covington, Va. Hose dismantling and assembling machine. 1,655,640; Jan. 10.
- Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Hitch or clevis structure. 1,655,351; Jan. 3.
- Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Planter. 1,684,211; Sept. 11.
- Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Power-lift plow. 1,686,545; Oct. 9.
- Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. 1,686,546; Oct. 9.
- Altgelt, Rudolph J., and C. H. Gemberling, assignors to Oliver Chilled Plow Works, South Bend, Ind. Plow. 1,671,662; May 29.
- Altgilbers, Leo H., Fort Dodge, Iowa. Street or road snowplow. 1,662,809; Mar. 20.
- Altner, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oils. 1,685,476; Sept. 25.
- Althoff, Lawrence A., La Porte, Ind. Range. 1,661,647; Mar. 6.
- Althouse, Robert M., Coatesville, Pa. Sea crane. 1,659,647; Feb. 21.
- Althouse, Wilmer J., Gibraltar, Pa. Needle bar for knitting machines. 1,657,876; Jan. 31.
- Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Objective. 1,658,365; Feb. 7.

- Altman, Vladislav, Racine, Wis. Vehicle signal. 1,683,278; Sept. 4.
- Alton, William H., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. New granule and producing same. 1,677,701; July 17.
- Altorfer, Alpheus W., Peoria, Ill. Washing machine. 1,688,031; Oct. 16.
- Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machines. 1,655,806; Jan. 10.
- Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,688,000; Oct. 16.
- Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Agitator for washing machines. 1,688,001; Oct. 16.
- Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
- Altpeter, Ludwig, Trier, Germany. Centrifuge. 1,661,782; Mar. 6.
- Altpeter, Ludwig, Trier, Germany. Centrifuge. 1,695,990; Dec. 18.
- Altschul, Leon A., Dayton, Ohio. Display rack. 1,674,939; June 26.
- Altuna, Pedro, San Sebastian, Spain. Resilient vehicle wheel. 1,678,969; July 31.
- Aluminum Company of America. (See Archer, Robert S., assignor.)
- Aluminum Company of America. (See Doerschuk, Victor C., assignor.)
- Aluminum Company of America. (See Doerschuk, V. C., and Frary, assignors.)
- Aluminum Company of America. (See Feltes, Frank L., assignor.)
- Aluminum Company of America. (See Guyot, Marius, assignor.)
- Aluminum Company of America. (See Hook, Henry C., assignor.)
- Aluminum Company of America. (See Horsfield, Basil T., assignor.)
- Aluminum Company of America. (See Kohl, George, assignor.)
- Aluminum Company of America. (See Norton, Allen B., assignor.)
- Aluminum Company of America. (See Norton, A. B., and Guyot, assignors.)
- Aluminum Company of America. (See Sharp, John E., assignor.)
- Aluminum Company of America. (See Stay, T. D., and Tessier, assignors.)
- Aluminum Company of America. (See Taylor, Cyril S., assignor.)
- Aluminum Company of America. (See Varney, Theodore, assignor.)
- Aluminum Company of America. (See Welty, George D., assignor.)
- Aluminum Corporation of America et al. (See Maynard, Howard E., assignor.)
- Aluminum Die-Casting Corporation. (See Bungay, George W., assignor.)
- Aluminum Goods Manufacturing Company. (See Drumm, Elmer E., assignor.)
- Aluminum Plant & Vessel Company, The. (See Tarbet, William G., assignor.)
- Aluminum Seal Company. (See Boothman, Dale M., assignor.)
- Alvarado, Fernando A., New York, N. Y., assignor to Durham Duplex Razor Company. Safety razor. 1,682,462; Aug. 28.
- Alvarado, Romulo, Jamaica, N. Y. Floor-washing machine. 1,691,263; Nov. 13.
- Alvear, Victor, Brooklyn, N. Y., assignor to Radio Corporation of America. Aerial loop mechanism for radio receiving sets. 1,688,845; Oct. 23.
- Alvera, Josef. (See Wenz, J., Alvera, and Brunhübner.)
- Alvey Manufacturing Company. (See Bohn, William J., assignor.)
- Alvey, Charles B., Downers Grove, Ill. Pneumatic pump. 1,679,111; July 31.
- Amacker, Charles F., Bogalusa, La. Therapeutic composition. 1,686,062; Oct. 2.
- Amalgamated Dental Company Limited, The. (See Grainge, H. J., and Wilding, assignors.)
- Amann, August, Wiesbaden, assignor, by mesne assignments, to Chemische Fabriken Dr. Kurt Albert G. m. b. H., Biebrich-on-the-Rhine, Amöneburg, Germany. Resinous bodies produced from formaldehyde and colophony and producing same. 1,658,828; Feb. 14.
- Amann, Paul, Nanterre, France, assignor to United Shoe Machinery Corporation, Paterson, N. J. Last-maker's lathe. 1,659,586; Feb. 21.
- Amat, Rene, and W. W. Blake, Winnemucca, Nev. Flash light. 1,672,797; June 5.
- Amatel, Harold, East Orange, N. J., assignor to Westinghouse Lamp Company. Shipping and display carton. 1,665,620; Apr. 10.
- Amato, Peter, Lynn, Mass. Loud-speaker unit. 1,664,448; Apr. 3.
- Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Strip-coating apparatus. 1,663,232; Mar. 20.
- Ambory, Louise. (See Ambory, Paul, assignor.)
- Ambory, Paul, assignor to L. Ambory, Royal Oak, Mich. Electrical water heater. 1,661,062; Feb. 28.
- Ambrose, Frank F., Los Angeles, Calif. Screw pump. 1,661,237; Mar. 6.
- Ambrose, Sewell P., Vancouver, British Columbia, Canada. Amusement device. 1,675,684; July 3.
- Ambruster, Cornelius, Roslyn, Pa. Secondary or storage battery. 1,675,321; July 3.
- Ambruster, Howard W., Westfield, N. J. Manufacture of insecticides. 1,691,454; Nov. 13.
- Amcoin Coffee System Company. (See Wertheimer, Leo, assignor.)
- Amdursky, Samuel S., Rochester, N. Y. Apparatus for measuring the moisture content of materials. 1,690,155; Nov. 6.
- Ament, Lucy C., New York, N. Y. Mirror attachment for toilet articles. 1,655,452; Jan. 10.
- Ament, Lucy C., New York, N. Y. Liquid-dispensing pump. 1,666,064; Apr. 17.
- Ament, Lucy C., New York, N. Y. Receptacle. 1,690,046; Oct. 30.
- Ament, Lucy C., New York, N. Y. Atomizer. 1,694,959; Dec. 11.
- Ament, Lucy C., and C. Hilfiker, New York, N. Y. Collapsible commode. 1,663,966; Mar. 27.
- Ameri, Emile, Chicago, Ill. Lamp. Des. 75,601; June 26.
- American Abrasive Metals Company. (See Edmondson, R. S., and Hahn, assignors.)
- American Abrasive Metals Company. (See Fink, C. G., and Kopp, assignors.)
- American Air Compressor Works. (See Muller, F. A., and Basberg.)
- American Aluminum Ware Company. (See Brucker, Henry, assignor.)
- American Anode Incorporated, The. (See Klein, P., and Healey, assignors.)
- American Arch Company. (See Anthony, James T., assignor.)
- American Arch Company. (See Himmelright, Raleigh J., assignor.)
- American Arch Company. (See Stevens, E. P., and Himmelright, assignors.)
- American Assembling Machine Company. (See Juengst, Charles A., assignor.)
- American Assembling Machine Company. (See Richards, Ernst R., assignor.)
- American Auto Lamp Co. (See Putterman, Benjamin, assignor.)
- American Automotive Corporation. (See Werby, A. Benjamin, assignor.)
- American Bank Note Company. (See Smith, W. H., and Webster, assignors.)
- American Bank Note Company. (See Wood, Frank T., assignor.)
- American Bemberg Corporation. (See Kempf, Hubert, assignor.)
- American Bemberg Corporation. (See Meyer-Gaus, Karl, assignor.)
- American Bemberg Corporation. (See Otto, G., Hartmann, and Bauriedel, assignors.)
- American Bevel Glass Company. (See Beyer, Bertrand E., assignor.)
- American Blower Corporation. (See Morse, Clark T., assignor.)
- American Blower Corporation. (See Watkins, James A., assignor.)
- American Bosch Magneto Corporation. (See Curtis, Leslie F., assignor.)
- American Bosch Magneto Corporation. (See Lovejoy, Dimmitt R., assignor.)
- American Bottle Company, The. (See Curran, Jerome P., assignor.)
- American Bottle Company, The. (See Ginter, Paul A., assignor.)
- American Box Board Company. (See Bonfield, Emmons W., assignor.)
- American Brake Materials Corporation. (See Thompson, James S., assignor.)
- American Brake Shoe & Foundry Company, The. (See Stewart, Robert S., assignor.)
- American Brass Company. (See Bassett, William H., assignor.)
- American Brass Company, The. (See Coe, James R., assignor.)
- American Brass Company, The. (See Kinnear, Delamar C., assignor.)
- American Brass Novelty Co. (See Doerr, Fred H., assignor.)
- American Buckle Co., The. (See Hodge, Robert J., assignor.)
- American Button & Fastener Co. (See Latham, Albert, assignor.)
- American Cable Company. (See Burd, Gorman C., assignor.)
- American Cable Company. (See Conner, Edward A., assignor.)
- American Cable Company. (See Ewins, George W., assignor.)
- American Cable Company. (See Meals, Casper D., assignor.)
- American Cable Company. (See Scott, Rumsey W., assignor.)
- American Can Company. (See Breckenridge, Karl S., assignor.)

- American Can Company. (See Corey, Harry R., assignor.)
 American Can Company. (See Eberhart, Felix, assignor.)
 American Can Company. (See Edwards, John R., assignor.)
 American Can Company. (See Fleischer, Paul W., assignor.)
 American Can Company. (See Freundt, Louis J., assignor.)
 American Can Company. (See Graham, Charles W., assignor.)
 American Can Company. (See Gray, James A., assignor.)
 American Can Company. (See Hothersall, John M., assignor.)
 American Can Company. (See Hunter, Felix, assignor.)
 American Can Company. (See Leighton, George A., assignor.)
 American Can Company. (See Lindgren, Stanley H., assignor.)
 American Can Company. (See Loesel, Nicholas, assignor.)
 American Can Company. (See Magill, Donald G., assignor.)
 American Can Company. (See Malmquist, John O., assignor.)
 American Can Company. (See Michael, Leonard, assignor.)
 American Can Company. (See Miller, George F., assignor.)
 American Can Company. (See Nicholls, Henry M., assignor.)
 American Can Company. (See Nordquist, Ronald E. J., assignor.)
 American Can Company. (See Pickerell, James, assignor.)
 American Can Company. (See Pickles, Charles, assignor.)
 American Can Company. (See Pittelkow, August, assignor.)
 American Can Company. (See Reid, George C., assignor.)
 American Can Company. (See Stewart, James A., assignor.)
 American Can Company. (See Stollberg, Charles, assignor.)
 American Can Company. (See Thomas, John J., assignor.)
 American Can Company. (See Walter, G. F., and Hothersall, assignors.)
 American Can Company. (See Walter, George F., assignor.)
 American Can Company. (See Young, John M., assignor.)
 American Car and Foundry Company. (See Abel, Joseph C., assignor.)
 American Car and Foundry Company. (See Auchincloss, William K., assignor.)
 American Car and Foundry Company. (See Clade, R., and Ensign, assignors.)
 American Car and Foundry Company. (See Constantine, Alphonse A., assignor.)
 American Car and Foundry Company. (See Dayes, Frederick E., assignor.)
 American Car and Foundry Company. (See Doyle, Nicholas A., assignor.)
 American Car and Foundry Company. (See Evans, Charles H., assignor.)
 American Car and Foundry Company. (See Gibbs, Frederick H., assignor.)
 American Car and Foundry Company. (See Hummer, Charles I., assignor.)
 American Car and Foundry Company. (See Johnson, W. S., and Sheffer, assignors.)
 American Car and Foundry Company. (See Joy, Robert W., assignor.)
 American Car and Foundry Company. (See Joy, R. W., and Willoughby, assignors.)
 American Car and Foundry Company. (See Kassler, Adolph, assignor.)
 American Car and Foundry Company. (See MacChesney, Harold S., assignor.)
 American Car and Foundry Company. (See Mendez, Alvaro, assignor.)
 American Car and Foundry Company. (See Nichols, Daniel R., assignor.)
 American Car and Foundry Company. (See Scheibli, Robert J., jr., assignor.)
 American Car and Foundry Company. (See Thompson, John D., assignor.)
 American Car and Foundry Company. (See Thompson, J. D., and Willoughby, assignors.)
 American Car and Foundry Company. (See Willoughby, Victor, assignor.)
 American Car and Foundry Motors Company. (See Hall, Elbert J., assignor.)
 American Car and Foundry Motors Company. (See Hall, E. J., and Hawkes, assignors.)
 American Car and Foundry Motors Company. (See Hall, E. J., and Walker, assignors.)
 American Car and Foundry Motors Company. (See Hawkes, A. G., and Whitten, assignors.)
 American Car and Foundry Motors Company. (See Schlesinger, August B., assignor.)
 American Car and Foundry Motors Company. (See Walker, Hubert, assignor.)
 American Car and Foundry Motors Company. (See Walker, H., and Whitten, assignors.)
 American Car and Foundry Motors Company. (See Whitten, Frank A., assignor.)
 American Cast Iron Pipe Company. (See Carson, Harry Y., assignor.)
 American Chain Company. (See Benton, Donald L., assignor.)
 American Chain Company. (See Fageol, Rollie B., assignor.)
 American Chain Company. (See Goetz, Oscar H., assignor.)
 American Chain Company. (See Lyon, George A., assignor.)
 American Chain Company. (See McCook, Arthur J., assignor.)
 American Chain Company. (See McDonald, Oliver R., assignor.)
 American Chain Company. (See Morris, William T., assignor.)
 American Chain Company. (See Pierce, Robert C., assignor.)
 American Chain Company. (See Reifsnider, John M., assignor.)
 American Chain Company Inc. (See Reyburn, John R., assignor.)
 American Chain Company. (See Specht Edward H., assignor.)
 American Chain Company. (See Yanss, George W., assignor.)
 American Character Doll Co. Inc. (See Heyman, Moses D., assignor.)
 American Chicle Company, The. (See Becker, Philip L., assignor.)
 American Circular Loom Company. (See Lutz, George A., assignor.)
 American Cone & Pretzel Company. (See Betz, Charles F., assignor.)
 American Cone & Pretzel Company. (See Turner, Ralph C., assignor.)
 American Copper Products Corporation. (See Carpenter, Hamilton C., assignor.)
 American Crayon Company, The. (See Parmenter, George E., assignor.)
 American Creosoting Company. (See Grady, William H., assignor.)
 American Cyanamid Company. (See Barsky, George, assignor.)
 American Cyanamid Company. (See Barsky, G., and Freise, assignors.)
 American Cyanamid Company. (See Buchanan, Guy H., assignor.)
 American Cyanamid Company. (See Buchanan, G. H., and Barsky, assignors.)
 American Cyanamid Company. (See Buchanan, G. H., and Griffith, assignors.)
 American Cyanamid Company. (See Buchanan, G. H., and Hulings, assignors.)
 American Cyanamid Company. (See Buchanan, G. H., and Osborne, assignors.)
 American Cyanamid Company. (See Buchanan, G. H., Winner, and Tucker, assignors.)
 American Cyanamid Company. (See Charlton, Harry W., assignor.)
 American Cyanamid Company. (See Collins, Charles D., assignor.)
 American Cyanamid Company. (See Cox, George E., assignor.)
 American Cyanamid Company. (See Davis, C. P., and Frost, assignors.)
 American Cyanamid Company. (See Giles, Isaac V., assignor.)
 American Cyanamid Company. (See Griffith, Palmer W., assignor.)
 American Cyanamid Company. (See Heuser, Ralph V., assignor.)
 American Cyanamid Company. (See Romieux, Charles J., assignor.)
 American Cystoscope Makers, Inc. (See Wappler, Reinhold H., assignor.)
 American Dairy Supply Company, The. (See Compton, Harry L., assignor.)
 American Dairy Supply Company. (See Norwood, Harry G., assignor.)
 American District Telegraph Company. (See Hopkins, Richard M., assignor.)
 American Doucil Company. (See Wheaton, Harold J., assignor.)
 American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)
 American Dressler Tunnel Kilns, Inc. (See Meehan, Paul A., assignor.)
 American Dressler Tunnel Kilns, Inc. (See Robertson, Harry M., assignor.)
 American Electric Company. (See Steinke, August W., assignor.)
 American Electric Motor Company. (See Daun, Carl L., assignor.)
 American Electric Motor Company. (See Daun, C. L., and Keller, assignors.)
 American Electric Motor Company. (See Keller, Paul E., assignor.)
 American Electrical Heater Company. (See Kuhn, F., and Thomas, assignors.)
 American Elevator and Machine Co. (See Roberston, Martin J., assignor.)
 American Emery Wheel Works. (See Leonard, Walter B., 2d., assignor.)

American Encaustic Tiling Company. (See Lillibridge, Harry D., assignor.)
 American Encaustic Tiling Company. (See Prouty, Theodore C., assignor.)
 American Encaustic Tiling Company. (See Prouty, T. C. and W. O., assignors.)
 American Encaustic Tiling Company. (See Prouty, Willis O., assignor.)
 American Encaustic Tiling Company, Ltd. (See Lillibridge, Harry D., assignor.)
 American Engineering Company. (See Alpern, Maxwell, assignor.)
 American Engineering Company. (See Harrison, Clifford E., assignor.)
 American Engineering Company. (See Kelly, P. C., and Landis, assignors.)
 American Engineering Company. (See Koons, Charles V., assignor.)
 American Engineering Company. (See Lamond, Robert C., assignor.)
 American Engineering Company. (See Lawrence, Howard F., assignor.)
 American Engineering Company. (See Weingartner, Anthony E., assignor.)
 American Engineering Company. (See Weingartner, A. E., and Smith, assignors.)
 American Exchange National Bank of Duluth, executor. (See Gow, Alexander M.)
 American Fabrics Company, The. (See Wackerman, Charles S., assignor.)
 American Fibre Corporation. (See Baldwin, Earl F., assignor.)
 American Fibre Corporation. (See Baldwin, E. F., and Woods, assignors.)
 American Flange & Manufacturing Company. (See Parish, Richard L., assignor.)
 American Flange & Manufacturing Co. (See Schwartz, Morris, assignor.)
 American Floor Surfacing Machine Company, The. (See Myers, Harry L., assignor.)
 American Fluid Motors Company. (See Cannon, Earl, assignor.)
 American Flyer Manufacturing Company. (See Arden, Thomas R., assignor.)
 American Flyer Manufacturing Company. (See Becker, Harry S., assignor.)
 American Flyer Mfg. Co. (See Boisselier, Earl D., assignor.)
 American Flyer Manufacturing Company. (See Cuff, James E., assignor.)
 American Forge and Machine Company, The. (See Haight, Harry C., assignor.)
 American Fork & Hoe Company, The. (See Conley, Floyd E., assignor.)
 American Fork & Hoe Company, The. (See Cowdery, Robert H., assignor.)
 American Fork & Hoe Company, The. (See Keough, Robert E., assignor.)
 American Foundry Equipment Company. (See Coble, David C., assignor.)
 American Foundry Equipment Company, The. (See Minich, Verne E., assignor.)
 American Foundry Equipment Company, The. (See Minich, V. E., Rich, and Moore, assignors.)
 American Foundry Equipment Company, The. (See Moore, Raymond H., assignor.)
 American Foundry Equipment Company. (See Peik, Louis D., assignor.)
 American Foundry Equipment Company, The. (See Rich, Elmer A., jr., assignor.)
 American Foundry Equipment Company, The. (See Soper, Fred H., assignor.)
 American Freight Service, Inc. (See Perin, Donald W., assignor.)
 American Frog & Switch Company, The. (See Detmer, Ralph G., assignor.)
 American Gasaccumulator Company. (See Boots, E. R., and Eskilson, assignors.)
 American Gasaccumulator Company. (See Dalén, Gustaf, assignor.)
 American Gasaccumulator Company. (See Eskilson, Sven A., assignor.)
 American Gasaccumulator Company. (See Eskilson, S. A., and Abramson, assignors.)
 American Gasaccumulator Company. (See Eskilson, S. A., and Holm, assignors.)
 American Gas Accumulator Company. (See Lindahl, Carl, assignor.)
 American Gasaccumulator Company. (See Oestnaes, Victor L., assignor.)
 American Gas Machine Company. (See Olsen, W., and Rasmussen, assignors.)
 American Glue Company. (See Campbell, Charles H., assignor.)
 American Hammered Piston Ring Company. (See Browne, Arthur L., assignor.)
 American Hammered Piston Ring Company, The. (See Morton, Allen W., assignor.)
 American Hard Rubber Company. (See Boyer, Edwin S., assignor.)
 American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
 American Hardware Corporation, The. (See Moore, Wallace F., assignor.)

American Hardware Corporation, The. (See Petermann, Otto, assignor.)
 American Hardware Corporation, The. (See Shaw, D., and Moore, assignors.)
 American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
 American Hardware Corporation, The. (See Teich, Ernest L., assignor.)
 American Hardware Corporation, The. (See Wuchert, George H., assignor.)
 American Heat Economy Bureau. (See Fischer, Carl, assignor.)
 American Heater Corporation. (See Tabler, Harry C., assignor.)
 American Hoist & Derrick Company. (See Sederholm, John E., assignor.)
 American Home Economics Association. (See Chamberlain, Mildred, assignor.)
 American Hotel Register Co. (See Leahy, Thomas F., assignor.)
 American Ichthyol Oil Company. (See Rowland, Dudley H., assignor.)
 American Incubators, Inc. (See Watson, Harold, L., assignor.)
 American Incubator Manufacturing Co. (See Heldrich, Andrew, assignor.)
 American Injector Company. (See Diederich, Paul E., assignor.)
 American Injector Company. (See Diederich, P. E., and Roberts, assignors.)
 American Instrument Company. (See Newell, Floyd B., assignor.)
 American Iron & Machine Works, Inc. (See Lincoln, Robert A., assignor.)
 American Kron Scale Co. (See Ygger, Albert F. K., assignor.)
 American Lady Corset Company. (See Siegel, Joseph, assignor.)
 American La France and Foamite Corporation. (See Epps, F. A., Boniface, and Witter, assignors.)
 American La France and Foamite Corporation. (See Erwin, Orlando R., assignor.)
 American La France and Foamite Corporation. (See Witter, W. D., and Harte, assignors.)
 American Lanil Corporation. (See Schweitzer, Wilhelm H., assignor.)
 American Laundry Machinery Company, The. (See Benjamin, Dana H., assignor.)
 American Laundry Machinery Company, The. (See Bercaw, John W., assignor.)
 American Laundry Machinery Company, The, et al. (See Brockett, Bluford W., assignor.)
 American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
 American Laundry Machinery Company, The. (See Carroll, E. J., and Beattie, assignors.)
 American Laundry Machinery Company, The. (See Carroll, E. J., and Johnson, assignors.)
 American Laundry Machinery Company, The. (See Colclough, William, assignor.)
 American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
 American Laundry Machinery Company, The. (See Curtiss, Howard C., assignor.)
 American Laundry Machinery Company, The. (See Dreher, A. J., and Couch, assignors.)
 American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
 American Laundry Machinery Company, The. (See McCarthy, John E., assignor.)
 American Laundry Machinery Company, The. (See Otis, C. M., and Couch, assignors.)
 American Laundry Machinery Company, The. (See Pauly, Robert C., assignor.)
 American Laundry Machinery Company, The. (See Pierce, Harry, assignor.)
 American Laundry Machinery Company, The. (See Prothers, Harold V., assignor.)
 American Laundry Machinery Company, The. (See Sando, Joseph B., assignor.)
 American Laundry Machinery Company, The. (See Taylor, James H., assignor.)
 American Laundry Machinery Company, The. (See Trotter, C. E., and Couch, assignors.)
 American Laundry Machinery Company, The. (See Tull, Ivan M., assignor.)
 American Laundry Machinery Company, The. (See Waream, Charles E., assignor.)
 American Laundry Machinery Company, The, et al. (See Waream, C. E., and Link, assignors.)
 American Lighter Corporation. (See Nevière, Louis A., assignor.)
 American Lithographic Company. (See Brunings, Henry H., assignor.)
 American Logging Tool Co. (See Latta, William, assignor.)
 American Luigi Corporation. (See Zagorski, Johann, assignor.)
 American Lurgi Corporation. (See Gensecke, Wilhelm, assignor.)
 American Machine & Foundry Company. (See Arelt, C., and Jackson, assignors.)
 American Machine & Foundry Company. (See Armstrong, Harry Y., assignor.)

- American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
 American Machine and Foundry Company. (See Farmer, Fred, assignor.)
 American Machine & Foundry Company. (See Foernsler, Max E., assignor.)
 American Machine & Foundry Company. (See Gwinn, George W., assignor.)
 American Machine and Foundry Company. (See Hawkins, Wilford J., assignor.)
 American Machine & Foundry Company. (See Millring, Edwin R., assignor.)
 American Machine & Foundry Company. (See Nejedly, Peter M., assignor.)
 American Machine & Foundry Company. (See Quick, Brunnie W., assignor.)
 American Machine and Foundry Company. (See Schmitt, Frank R., assignor.)
 American Machine & Foundry Company. (See Sheehan, Thomas C., assignor.)
 American Machine & Foundry Company. (See Stein, John A., assignor.)
 American Magnesium Corporation. (See Jeffries, Z., and Archer, assignors.)
 American Magnesium Corporation. (See Osborne, Harold H., assignor.)
 American Magnesium Corporation. (See Wood, Robert T., assignor.)
 American Manganese Steel Company. (See Bruton, William C., assignor.)
 American Manganese Steel Company. (See Crane, Ernest E., assignor.)
 American Manganese Steel Company et al. (See McKee, W. S., and Nichols, assignors.)
 American Manganese Steel Company. (See Ratkowski, Thomas, assignor.)
 American Manganese Steel Company. (See Rorabeck, Claude, assignor.)
 American Manufacturing Company. (See Gratz, Clifford B., assignor.)
 American Mason Safety Tread Company. (See Welcome, Harold A., assignor.)
 American Metal Cap Company. (See Hammer, Charles, assignor.)
 American Metal Company. (See Burkey, Harvey M., assignor.)
 American Metal Furniture Co. (See Miner, Joseph A., assignor.)
 American Metallurgical Corporation. (See Hanson, Albert J., assignor.)
 American Meter Company. (See Dickey, William D., assignor.)
 American Meter Company. (See Diehl, John C., assignor.)
 American Meter Company. (See Goldsmith, Thomas R., assignor.)
 American Meter Company, The. (See Huettig, Arno R., assignor.)
 American Meter Company. (See Linderman, Garrett B., Jr., assignor.)
 American Meter Company. (See Stockton, Wholston V., Jr., assignor.)
 American Miag Corporation. (See Moebius, Hugo O., assignor.)
 American Milling and Refining Company, The. (See Granthaver, Milton E., assignor.)
 American Mine Door Co., The. (See Gurney, Albert J., assignor.)
 American Mine Door Co., The. (See Kirk, Edward C., assignor.)
 American Mirror Works. (See Hartman, William A., assignor.)
 American Moistening Company. (See Armstrong, Joseph, assignor.)
 American Motor Body Company. (See Hansen, Conrad T., assignor.)
 American Motor Body Corporation, The. (See Hansen, Conrad T., assignor.)
 American Motor Body Corporation, The. (See Hansen, C. T., and Bell, assignors.)
 American Motor Body Corporation, The. (See Wetzel, Edward A., assignor.)
 American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
 American Multigraph Company, The. (See Colquhoun, Peter M., assignor.)
 American Multigraph Company, The. (See Morse, Lawrence H., assignor.)
 American Multigraph Company, The. (See Osborn, Henry C., assignor.)
 American Multigraph Company, The. (See Osborne, John C., assignor.)
 American Multigraph Company, The. (See Soule, George M., assignor.)
 American Narrow Fabric Company. (See Austin, Arthur O., assignor.)
 American Nuplax Corporation. (See Homberg, Felix, assignor.)
 American Oil Company. (See Wakefield, Arthur T., assignor.)
 American Oil Pump & Tank Co. (See Dourson, Louis A., assignor.)
 American Optical Company. (See Baker, Nelson M., assignor.)
 American Optical Company. (See Baker, N. M., and Ljunglof, assignors.)
 American Optical Company. (See Boutelle, William H., assignor.)
 American Optical Company. (See Gagnon, Louis L., assignor.)
 American Optical Company. (See Glancy, Anna E., assignor.)
 American Optical Company. (See Glancy, A. E., and Tillyer, assignors.)
 American Optical Company. (See Gunning, William A., assignor.)
 American Optical Company. (See Hill, Harry W., assignor.)
 American Optical Company. (See Kerr, Charles H., assignor.)
 American Optical Company. (See King, Walter G., assignor.)
 American Optical Company. (See Lacasse, Solomon, assignor.)
 American Optical Company. (See Ljunglof, George L., assignor.)
 American Optical Company. (See Maynard, Albert E., assignor.)
 American Optical Company. (See O'Meara, Denis H., assignor.)
 American Optical Company. (See Sangren, Harry A., assignor.)
 American Optical Company. (See Schultz, William L., assignor.)
 American Optical Company. (See Schumacher, Elmer L., assignor.)
 American Optical Company. (See Tillyer, Edgar D., assignor.)
 American Optical Company. (See Tillyer, E. D., and Baker, assignors.)
 American Optical Company. (See Tully, George L., assignor.)
 American Optical Company. (See Tully, G. L., and Lacasse, assignors.)
 American Optical Company. (See Wrighton, William J., assignor.)
 American Ore Reclamation Company. (See Klugh, Bethune G., assignor.)
 American Ornamental Bottle Corporation. (See Mas, George N., assignor.)
 American Oven & Machine Co. (See Diederichs, Paul O., assignor.)
 American Oven & Machine Company. (See Notz, F., and Royan, assignors.)
 American Parlor Frame Company. (See Graham, Charles T., assignor.)
 American Patents Development Corporation. (See Slate, Thomas B., assignor.)
 American Phototure Company, (See Pifer, George N., assignor.)
 American Piano Company. (See Dudley, Boyd, Jr., assignor.)
 American Piano Company. (See Stoddard, Charles F., assignor.)
 American Platinum Works. (See Ledig, Kurt K., assignor.)
 American Plumbing & Heating Company. (See Hessel, Edward L., assignor.)
 American Potash & Chemical Corporation. (See Mumford, Russell W., assignor.)
 American Poultry Association. (See Schilling, Arthur O., assignor.)
 American Protein Corporation. (See Atwood, Francis C., assignor.)
 American Pulverizer Company. (See Elzemeyer, Ernst H., assignor.)
 American Pulverizer Company. (See Teipel, Joseph, assignor.)
 American Pulverizing Company. (See Roebke, Ernest T., assignor.)
 American Radiator Company. (See Courtot, Louis, assignor.)
 American Radiator Company. (See Downe, Edward R., assignor.)
 American Radiator Company. (See Eggleston, Lewis W., assignor.)
 American Radiator Company. (See Howell, Frank B., assignor.)
 American Radiator Company. (See Mallory, Harry C., assignor.)
 American Radiator Company. (See Mertzanoff, André M., assignor.)
 American Radiator Company. (See Praud, Henri, assignor.)
 American Radiator Company. (See Price, Glen W., assignor.)
 American Radiator Company. (See Wendel, Otto G., assignor.)
 American Radio Products Company. (See Gibson, Angus H., assignor.)
 American Range Corporation. (See Johnson, A. J., and Moriarty, assignors.)
 American Range Corporation. (See Zarth, Henry F., assignor.)
 American Re-Enforced Paper Company. (See Howard, Charles H., assignor.)
 American Refining Company. (See Putnam, Benjamin F., assignor.)
 American Research and Development Company. (See Becker, Julius H., assignor.)

- American Resistor Corporation. (See Tarkington, B. G., and Winsinger, assignors.)
- American Road Machinery Company. (See Greenwood, Raymond C., assignor.)
- American Road Machinery Company. (See Williamson, Roy C., assignor.)
- American Rolling Mill Company, The. (See Reinartz, L. F., and Nead, assignors.)
- American Rolling Mill Company, The. (See Tytus, John B., assignor.)
- American Rubber Company. (See Teague, Merwyn C., assignor.)
- American Safety Device Company. (See Johnston, Frank B., assignor.)
- American Safety Equipment Corporation. (See Olson, Carl W., assignor.)
- American Safety Match Corporation. (See Friede, Samuel M., assignor.)
- American Safety Match Corporation. (See Friede, S. M., and Hakemeyer, assignors.)
- American Safety Navigation Company, The. (See Lyda, Arthur W., assignor.)
- American Safety Razor Corporation. (See Kaufman, Joseph, assignor.)
- American Sales Book Company. (See Anderson, James W., assignor.)
- American Sales Book Company. (See Bottle, Edward K., assignor.)
- American Sales Book Company. (See Bovier, Archie M., assignor.)
- American Sales Book Company. (See Hagemann, Louis F., assignor.)
- American Sales Book Company. (See Johnston, Clarence L., assignor.)
- American Sales Book Company. (See Phillips, Arthur H., assignor.)
- American Sales Book Company. (See Pringle, William A., assignor.)
- American Sales Book Company. (See Rice, Willis B., assignor.)
- American Sales Book Company, Limited. (See Bottle, Edward K., assignor.)
- American Schaeffer & Budenberg Corporation. (See Froehlich, Hugo, assignor.)
- American Schaeffer & Budenberg Corporation. (See Hopkins, Frank H., assignor.)
- American Schaeffer and Budenberg Corporation. (See Uleman, Emil A., assignor.)
- American Seal-Kap Corporation. (See Baum, Ewald G., assignor.)
- American Seating Company. (See Hamilton, G. H., and White, assignors.)
- American Sheet and Tin Plate Company. (See Davis, Stewart A., assignor.)
- American Sheet and Tin Plate Company. (See Evans, Joseph C., assignor.)
- American Sheet and Tin Plate Company. (See Irvin, William A., assignor.)
- American Sheet and Tin Plate Company. (See Loyd, W. C., and McArthur, assignors.)
- American Sheet and Tin Plate Company. (See McArthur, Arthur R., assignor.)
- American Sheet and Tin Plate Company. (See McFetridge, Joseph, assignor.)
- American Sheet and Tin Plate Company. (See McIlvried, Howard G., assignor.)
- American Sheet and Tin Plate Company. (See O'Brien, T., and Zimmerman, assignors.)
- American Sheet and Tin Plate Company. (See Pisarcik, Andro, assignor.)
- American Shoe Machinery Company. (See Wright, Wallace C., assignor.)
- American Signs Corporation. (See Norton, Don W., assignor.)
- American Signs Corporation. (See Schaefer, Frank, assignor.)
- American Slicing Machine Company. (See Campbell, William J., assignor.)
- American Slicing Machine Company. (See Wolff, Wallace B., assignor.)
- American Smelting and Refining Company. (See Call, Benjamin G., assignor.)
- American Smelting and Refining Company. (See Devick, Franklin P., Jr., assignor.)
- American Smelting and Refining Company. (See Devick, Joseph C., assignor.)
- American Smelting and Refining Company. (See Hall, Howard W., assignor.)
- American Smelting and Refining Company. (See Hershey, Carl G., assignor.)
- American Smelting and Refining Company. (See Lannon, B. M., and Slagle, assignors.)
- American Smelting and Refining Company. (See Moore, Ralph S., assignor.)
- American Smelting and Refining Company. (See Morrison, William M., assignor.)
- American Smelting and Refining Company. (See O'Harra, A. D., and Lamoree, assignors.)
- American Smelting and Refining Company. (See O'Harra, Berry M., assignor.)
- American Smelting and Refining Company. (See Poske, Harry C., assignor.)
- American Smelting and Refining Company. (See Read, Chester L., assignor.)
- American Smelting and Refining Company. (See Read, C. L., and O'Harra, assignors.)
- American Smelting and Refining Company. (See Rose, C. A., and Read, assignors.)
- American Smelting and Refining Company. (See Wagstaff, Richard A., assignor.)
- American Society for the Prevention of Cruelty to Animals, The. (See Watkins, Jesse R., assignor.)
- American Solvent Recovery Corporation. (See Barnebey, Oscar L., assignor.)
- American Solvents & Chemical Corporation. (See Crowell, R. B., and Breckenridge, assignors.)
- American Specialty Manufacturing Corporation. (See Strickler, Cary M., assignor.)
- American Stamping Co. (See Sherman, H. B., and Ordway, assignors.)
- American Stay Company. (See Merrick, Frank W., assignor.)
- American Steam Pump Company. (See Barton, Ben D., assignor.)
- American Steel and Wire Company of New Jersey. (See Bussey, Herbert S., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Dahlstrom, F. P., and Larson, assignors.)
- American Steel and Wire Company of New Jersey, The. (See Febrey, Harold H., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Howe, James F., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Larson, Charles L., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Phifer, James S., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Ralston, Harley C., assignor.)
- American Steel and Wire Company of New Jersey, The. (See Robertshaw, James E., assignor.)
- American Steel and Wire Company of New Jersey. (See Ryder, Ben H., assignor.)
- American Steel Foundries. (See Baselt, Walter H., assignor.)
- American Steel Foundries. (See Harris, Mark, assignor.)
- American Steel Foundries. (See Hedgcock, W. C., and Whitney, assignors.)
- American Steel Foundries. (See Lamont, John A., assignor.)
- American Steel Foundries. (See Whitney, Loren L., assignor.)
- American Steel Products Co. (See Landgraf, Jacob T., assignor.)
- American Sterilizer Company. (See Jewell, Raymond L., assignor.)
- American Stove Company. (See Brumbaugh, Isaac V., assignor.)
- American Stove Company. (See Fuldauer, Frederick L., assignor.)
- American Stove Company. (See Meacham, Benjamin E., assignor.)
- American Stove Company. (See Moecker, H., Jr., Thompson, and Hammermeister, assignors.)
- American Stove Company. (See Moecker, H., Jr., and van Es, assignors.)
- American Stove Company. (See Nicolaus, Frederic G., assignor.)
- American Stove Company. (See Possons, Minard A., assignor.)
- American Stove Company. (See Stockstrom, Arthur, assignor.)
- American Sundries Co. (See Lawner, Nicholas, assignor.)
- American Tar Products Company. (See Clarke, Edgar W., assignor.)
- American Telechronometer Company. (See Babcock, Garrison, assignor.)
- American Telephone and Telegraph Company. (See Abbott, Henry H., assignor.)
- American Telephone and Telegraph Company. (See Abraham, Leonard G., assignor.)
- American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
- American Telephone and Telegraph Company. (See Affel, H. A., and Green, assignors.)
- American Telephone and Telegraph Company. (See Almquist, Milton L., assignor.)
- American Telephone and Telegraph Company. (See Ballard, William R., assignor.)
- American Telephone and Telegraph Company. (See Barthenbach, H., and Freeman, assignors.)
- American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
- American Telephone and Telegraph Company. (See Bascom, H. M., and Abbott, assignors.)
- American Telephone and Telegraph Company. (See Bascom, H. M., and Jacobsen, assignors.)
- American Telephone and Telegraph Company. (See Bascom, H. M., Arnold, and Pentland, assignors.)
- American Telephone and Telegraph Company. (See Bender, H. D., and Kent, assignors.)
- American Telephone and Telegraph Company. (See Best, Fred H., assignor.)
- American Telephone and Telegraph Company. (See Bisbee, Frederick C., assignor.)
- American Telephone and Telegraph Company. (See Blackwell, Otto B., assignor.)
- American Telephone and Telegraph Company. (See Blackwell, O. B., and Affel, assignors.)

- American Telephone and Telegraph Company. (See Blackwell, O. B., and Martin, assignors.)
 American Telephone and Telegraph Company. (See Blauvelt, William G., assignor.)
 American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
 American Telephone and Telegraph Company. (See Bown, R., and Hamilton, assignors.)
 American Telephone and Telegraph Company. (See Brand, Smart, assignor.)
 American Telephone and Telegraph Company. (See Branson, David E., assignor.)
 American Telephone and Telegraph Company. (See Branson, D. E., and Shanck, assignors.)
 American Telephone and Telegraph Company. (See Campbell, George A., assignor.)
 American Telephone and Telegraph Company. (See Carpe, Allen, assignor.)
 American Telephone and Telegraph Company. (See Carson, John R., assignor.)
 American Telephone and Telegraph Company. (See Christopher, Harry J., assignor.)
 American Telephone and Telegraph Company. (See Clark, Alva B., assignor.)
 American Telephone and Telegraph Company. (See Clark, A. B., and Gannett, assignors.)
 American Telephone and Telegraph Company. (See Clark, A. B., Nyquist, and Gannett, assignors.)
 American Telephone and Telegraph Company. (See Coggins, Paul F., assignor.)
 American Telephone and Telegraph Company. (See Cory, Samuel I., assignor.)
 American Telephone and Telegraph Company. (See Coxhead, Harry B., assignor.)
 American Telephone and Telegraph Company. (See Crison, George, assignor.)
 American Telephone and Telegraph Company. (See Dean, Samuel W., assignor.)
 American Telephone and Telegraph Company. (See Demarest, Charles S., assignor.)
 American Telephone and Telegraph Company. (See Demarest, C. S., and Almquist, assignors.)
 American Telephone and Telegraph Company. (See Demarest, C. S., and Loynes, assignors.)
 American Telephone and Telegraph Company. (See De Potter, Edward F., assignor.)
 American Telephone and Telegraph Company. (See Dotzauer, John F., assignor.)
 American Telephone and Telegraph Company. (See Eagon, Lloyd L., assignor.)
 American Telephone and Telegraph Company. (See Edwards, William H., assignor.)
 American Telephone and Telegraph Company. (See Edwards, W. H., and Niles, assignors.)
 American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
 American Telephone and Telegraph Company. (See Espenschied, L., and Martin, assignors.)
 American Telephone and Telegraph Company. (See Fairchild, Frank E., assignor.)
 American Telephone and Telegraph Company. (See French, N. R., and Zinn, assignors.)
 American Telephone and Telegraph Company. (See Gannett, Danforth K., assignor.)
 American Telephone and Telegraph Company. (See Gordon, Chester S., assignor.)
 American Telephone and Telegraph Company. (See Gordon, C. S., and Lowe, assignors.)
 American Telephone and Telegraph Company. (See Gordon, W. A., Murphy, and Perrone, assignors.)
 American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
 American Telephone and Telegraph Company. (See Green, Irving W., assignor.)
 American Telephone and Telegraph Company. (See Haines, W. T., assignor, and Harper.)
 American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
 American Telephone and Telegraph Company. (See Herman, J., and Singer, assignors.)
 American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
 American Telephone and Telegraph Company. (See Bonaman, Richard K., assignor.)
 American Telephone and Telegraph Company. (See Huntington, Herbert, assignor.)
 American Telephone and Telegraph Company. (See Jacobsen, E., assignor, and Sperry.)
 American Telephone and Telegraph Company. (See Jewell, Howard W., assignor.)
 American Telephone and Telegraph Company. (See King, Robert W., assignor.)
 American Telephone and Telegraph Company. (See Kirkwood, Maclean, assignor.)
 American Telephone and Telegraph Company. (See Koenig, Walter, Jr., assignor.)
 American Telephone and Telegraph Company. (See Loynes, Owen H., assignor.)
 American Telephone and Telegraph Company. (See Martin, De Loss K., assignor.)
 American Telephone and Telegraph Company. (See Matte, Andrew L., assignor.)
 American Telephone and Telegraph Company. (See Matthews, Edgar M., assignor.)
 American Telephone and Telegraph Company. (See McCurdy, Ralph G., assignor.)
 American Telephone and Telegraph Company. (See McCurdy, R. G., and Blye, assignors.)
 American Telephone and Telegraph Company. (See McKown, Frederick W., assignor.)
 American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
 American Telephone and Telegraph Company. (See Nyquist, H., and Pfeiffer, assignors.)
 American Telephone and Telegraph Company. (See Nyquist, H., and Wright, assignors.)
 American Telephone and Telegraph Company. (See Ohl, Russell S., assignor.)
 American Telephone and Telegraph Company. (See Palm, S. M., and Putnam, assignors.)
 American Telephone and Telegraph Company. (See Parker, R. D., and Perry, assignors.)
 American Telephone and Telegraph Company. (See Paschen, Harold F., assignor.)
 American Telephone and Telegraph Company. (See Paschen, H. F., and De Potter, assignors.)
 American Telephone and Telegraph Company. (See Peak, Warner L., assignor.)
 American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
 American Telephone and Telegraph Company. (See Rapelje, John A., assignor.)
 American Telephone and Telegraph Company. (See Richey, Archie L., assignor.)
 American Telephone and Telegraph Company. (See Roberts, Leland C., assignor.)
 American Telephone and Telegraph Company. (See Schnee, Henry E., assignor.)
 American Telephone and Telegraph Company. (See Schröter, Fritz, assignor.)
 American Telephone and Telegraph Company. (See Shackleton, Samuel P., assignor.)
 American Telephone and Telegraph Company. (See Shackleton, S. P., and Hansen, assignors.)
 American Telephone and Telegraph Company. (See Silent, Harold C., assignor.)
 American Telephone and Telegraph Company. (See Singer, Fred J., assignor.)
 American Telephone and Telegraph Company. (See Stewart, George W., assignor.)
 American Telephone and Telegraph Company. (See Stone, John S., assignor.)
 American Telephone and Telegraph Company. (See Strleby, Maurice E., assignor.)
 American Telephone and Telegraph Company. (See Thomas, William G., assignor.)
 American Telephone and Telegraph Company. (See Thompson, Elmer O., assignor.)
 American Telephone and Telegraph Company. (See Thompson, E. O., Grimes, and Fisher, assignors.)
 American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
 American Telephone and Telegraph Company. (See Ver-nam, Gilbert S., assignor.)
 American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
 American Telephone and Telegraph Company. (See Watson, E. F., and Weaver, assignors.)
 American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
 American Telephone and Telegraph Company. (See Wilson, Leon T., assignor.)
 American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
 American Textile Company. (See Ball, Ben A., assignor.)
 American Textile Company. (See Hollingworth, Reginald, assignor.)
 American Thermos Bottle Company. (See Wetmore, Miner P., assignor.)
 American Throttle Company. (See Brown, Ray M., assignor.)
 American Tool and Machine Company. (See Garland, Clarence H., assignor.)
 American Tool Works, The. (See Ratliff, Stanley M., assignor.)
 American Tool Works Company, The. (See Robinson, A. E., and Sosa, assignors.)
 American Tool Works Company, The. (See Schellenbach, William L., assignor.)
 American Tool Works Company, The. (See Sosa, A. M., and Hoelscher, assignors.)
 American Transformer Company. (See Schermerhorn, John L., assignor.)
 American Transom Co., The. (See Wills, Charles M., assignor.)
 American Trust Co. administrator. (See Davis, Lawrence V., assignor.)
 American Tubular Elevator Company. (See Schiller, M. B., and Haller, assignors.)
 American Type Founders Company. (See Hall, Walter O., assignor.)
 American Type Founders Company. (See Kelly, William M., assignor.)
 American Type Founders Company. (See Morrison, Lewis E., assignor.)
 American Type Founders Company. (See Plum, Stephen H., 2d, assignor.)
 American Type Founders Company. (See Plum S. H., 2d, and Duff, assignors.)

- American Valve and Meter Company, The. (See Gray, Wallace M., assignor.)
- American Valve and Meter Company, The. (See McGarry, John T., assignor.)
- American Vitriol Products Company. (See Colwell, David M., assignor.)
- American Welding and Manufacturing Company, The. (See Klaus, Fred R., assignor.)
- American Welding and Manufacturing Company, The. (See Klaus, F. R., and Meyer, assignors.)
- American Well Works, The. (See Sperry, John B., assignor.)
- American Window Company. (See Lewis, Claude A., assignor.)
- American Wire Fence Company. (See Clement, Arthur A., assignor.)
- American Wiremold Company. (See Frederickson, Otto A., assignor.)
- American Woodlite Corporation. (See Pagendarm, John F., assignor.)
- American Woodlite Corporation. (See Wood, William G., assignor.)
- American World Cue Tip Holder Co. (See Darmis, Cosmas, assignor.)
- American Writing Paper Company. (See Yoerg, Leon M., assignor.)
- Amerine, De Witt C., Vincennes, Ind. Washing cooked straw. 1,678,718; July 31.
- Ames, Adelbert, jr., Hanover, N. H. Binocular composite photograph and method of and apparatus for the photography of composite pictures. 1,673,793; June 19.
- Ames, Adelbert, jr., Hanover, N. H. Image-modifying apparatus for photography. 1,691,366; Nov. 13.
- Ames, B. C., Co. (See Ames, Warren, assignor.)
- Ames Brush Company, The. (See De Vilbiss, Thomas A., assignor.)
- Ames, Butler, Lowell, Mass. Lamp. 1,692,069; Nov. 20.
- Ames, Chester L., Phoenix, Ariz. Bookrack. 1,663,432; Mar. 20.
- Ames, Cortlandt F., jr., Mount Vernon, N. Y., assignor to The Barrett Company. Shingle holder. 1,678,804; July 31.
- Ames, Cortlandt F., jr., Mount Vernon, N. Y., assignor to The Barrett Company. Shingle fastener. 1,686,675; Oct. 9.
- Ames, Edgar. (See Ellis, Robert E., assignor.)
- Ames, Louis A., New York, N. Y. Flag holder and support therefor. 1,677,379; July 17.
- Ames-Myers Company. (See Emis, Benjamin, assignor.)
- Ames, Warren, assignor to B. C. Ames Co., Waltham, Mass. Gauge. 1,673,480; June 12.
- Amet, Pierre, Paris, France. Separator. 1,687,603; Oct. 16.
- Amezaga, Luis, Forest Hills, N. Y. Combination sanitary belt and napkin holder. 1,667,522; Apr. 24.
- Amico, Joseph, Detroit, Mich. Shoe press. 1,688,323; Oct. 23.
- Amidon, Ray E., assignor to A C Spark Plug Company, Flint, Mich. Hairspring-adjustment retainer. 1,683,009; Sept. 4.
- Amies, Joseph H., Philadelphia, Pa. Semiliquid bituminous composition. 1,682,589; Aug. 28.
- Amiesite Asphalt Company of America. (See Sadtler, Samuel S., assignor.)
- Amiot, Felix, assignor to "Société d'Emboutissage et de Constructions Mécaniques," Colombes, Seine, France. Frame component. 1,677,577; July 17.
- Amishasel, Frank, et al. (See Kreft, Ewald, assignor.)
- Amitin, Alexander. (See Marshak, Isidore, assignor.)
- Amity Leather Products Co. (See Rolfs, Baltus, assignor.)
- Amme, Ernst, Brunswick, K. Dienst, Frankfurt-on-the-Main, Germany, and D. J. Uhle, Allentown, Pa. Rotary furnace. 1,685,972; Oct. 2.
- Ammonia Corporation, The. (See Sranoc, Hans, assignor.)
- Amon, Josef, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric terminal. 1,684,383; Sept. 18.
- Amosen, George H., Minneapolis, Minn. Mechanism for converting rotary motion into oscillatory motion. 1,672,241; June 5.
- Amos, John A., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo. Signal lamp. 1,673,035; June 12.
- Amplitude Company. (See Wilson, James M., assignor.)
- Amrad Corporation, The. (See Woodhull, Samuel T., assignor.)
- Amrock, John S. (See Wallis, C. L., and Amrock, assignor.)
- Ams, Max, Machine Company, The. (See Lange, Paul H., assignor.)
- Amsco Products, Inc. (See Hardy, Charles, assignor.)
- Amsden & Barnard, Inc. (See Amsden, Eugene C., assignor.)
- Amsden, Eugene C., assignor to Amsden & Barnard, Inc., Boston, Mass. Making tire carriers for automobiles. 1,657,448; Jan. 31.
- Amsden, Eugene C., assignor to Amsden & Barnard, Inc., Boston, Mass. Making furniture standards and the like. 1,657,449; Jan. 31.
- Amsden, Ralph D., Lynn, Mass., assignor to General Electric Company. Vibratory converter. 1,676,973; July 10.
- Amsler-Morton Company, The. (See Morton, William A., assignor.)
- Amsler, Walter O., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Draw-table-heating unit. 1,695,265; Dec. 18.
- Armstrong, Arthur N., assignor of one-half to H. J. Sommers, Norwich, N. Y. Striker attachment for animal traps. Re17,174; Dec. 25.
- Amstutz, N. S. (See Zimmerman, Albert L., assignor.)
- Amstutz, Noah S. (See Sievers, Arthur W., assignor.)
- Amundsen, A./S, Refrigerator Company. (See Amundsen, Ivar, assignor.)
- Amundsen, Adolf. (See Kortepeter, R. E., and Amundsen.)
- Amundsen, Ivar, assignor to A/S Amundsen Refrigerator Company, Oslo, Norway. Refrigerating plant. Re17,045; July 24.
- Anaconda Sales Company. (See Robinson, Thomas, assignor.)
- Anaconda Sales Company. (See Wanamaker, Elmer M., assignor.)
- Anakin, Arthur E., Long Beach, Calif., assignor, by mesne assignments, to Safeway Lock Company. Magnetic key. 1,669,115; May 8.
- Anchor Cap & Closure Corporation. (See Deegan, James O., assignor.)
- Anchor Cap & Closure Corporation. (See Hardiman, James S., assignor.)
- Anchor Cap and Closure Corporation. (See Jaeger, Max, assignor.)
- Anchor Cap and Closure Corporation. (See Podel, Abraham, assignor.)
- Anchor Cap and Closure Corporation. (See Ramsey, George, assignor.)
- Anchor Cap and Closure Corporation. (See Scofield, Edgar, assignor.)
- Anchor Cap & Closure Corporation. (See Vessy, Clifford W., assignor.)
- Anchor Corrugating Construction Co. (See Braunstein, Achille, assignor.)
- Anchor, James, Detroit, Mich. Sanitary cigarette holder. 1,671,960; June 5.
- Anchor Mfg. Co., The. (See Bronsther, Miller, assignor.)
- Anchor Post Fence Company. (See Hawthorne, Louis A., assignor.)
- Anciens Etablissements A. Savy, Jeanjean & Cie., et al. (See Rimeur, Georges J. C., assignor.)
- Anciens Etablissements R. Cornely & Co. (Société Anonyme). (See Morel, Felix, assignor.)
- Andale Engineering Company. (See McNeal, Daniel R., assignor.)
- Anderberg, Anders and E. A., Malmö, Sweden. Brake system actuated by fluid pressure. 1,663,579; Mar. 27.
- Anderberg, Erik A. (See Anderberg, Anders and E. A.)
- Anderegg, Gustavus A., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of cables. 1,681,566; Aug. 21.
- Anderegg, Joseph C., Algoma, Wis. Fastener. 1,669,922; May 15.
- Anderegg, Joseph C., Algoma, Wis. Slide for automatic fasteners. 1,669,923; May 15.
- Andersen, Alf B., Brooklyn, N. Y., assignor to Alf B. Andersen & Starr, Inc., New York, N. Y. Book end. Des. 76,113; Aug. 21.
- Andersen, Alf B., & Starr, Inc. (See Andersen, Alf B., assignor.)
- Andersen, Alfred O., Bridgeport, Conn. Two-cycle internal-combustion engine. 1,662,097; Mar. 13.
- Andersen, Anders, Morse Bluff, Nebr. End gate. 1,655,489; Jan. 10.
- Andersen, Carl, et al. (See Banner, George A., assignor.)
- Andersen, Hans P. (See Pedersen, F. B., and Andersen.)
- Andersen, Johan K. K., Brooklyn, N. Y. Changeable-letter device. 1,677,319; July 17.
- Andersen, John, New York, N. Y. Display box. 1,673,658; June 12.
- Andersen, Lauritz W., Waterbury, Conn. Clinch collar for shades. 1,696,875; Dec. 25.
- Andersen, Niels C., assignor to The Goss Printing Press Co., Chicago, Ill. Delivery apparatus for printing presses. 1,681,162; Aug. 21.
- Andersen, Niels K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Accelerating relay. 1,685,931; Oct. 2.
- Andersin, Bruno S., Helsinki, Finland. Contrivance for fastening woodwork. 1,663,580; Mar. 27.
- Anderson, Abner L. (See Heston, L. R., and Anderson.)
- Anderson, Abram A., New York, N. Y. Aircraft landing gear. 1,658,700; Feb. 7.
- Anderson, Abram A., New York, N. Y. Aircraft. 1,685,014; Sept. 18.
- Anderson, Adolph B. (See Gallet, M., and Anderson.)
- Anderson, Adolph G. (See Peterson, S. H., and Anderson.)
- Anderson, Albert, Marquette, Nebr. Piston. 1,661,917; Mar. 6.
- Anderson, Albert & J. M., Manufacturing Company. (See Anderson, Alf E., assignor.)
- Anderson, Albert J., et al. (See Phelps, Cyrus A., assignor.)
- Anderson, Alf E., Milton, assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Electromagnet. 1,668,752; May 8.
- Anderson, Alf R., Minneapolis, Minn. Foot and leg exerciser. 1,671,096; May 29.
- Anderson, Alfred C., Worcester, Mass. Fluid clutch and reverse gear. 1,663,186; Mar. 20.

- Anderson, Alfred E., and C. A. Forsberg, Rockford, Ill. Sofa bed. 1,690,963; Nov. 6.
- Anderson, Alfred G., New York, N. Y. Bridge-lamp display fixture. Des. 76,278; Sept. 11.
- Anderson, Archibald F., Galt, Ontario, Canada. Liquid-measuring device. 1,654,853; Jan. 3.
- Anderson, Arthur N. (See Anderson, Edward P. and A. N.)
- Anderson, Arthur R., North Alington, N. J. Shoe tree. 1,681,968; Aug. 28.
- Anderson, Arvid E., Chicago, Ill., assignor, by mesne assignments, to New York Rubber Corporation, New York, N. Y. Rubber cap. 1,671,691; May 29.
- Anderson, Arvid E., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,676,313; July 10.
- Anderson, Arvid E., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,676,314; July 10.
- Anderson, Arvid E., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,676,315; July 10.
- Anderson, Arvid E., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,676,974; July 10.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,676,316; July 10.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Automatic switching system. 1,681,158; Aug. 21.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. System of electrical distribution. 1,683,147; Sept. 4.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Electrical distribution system. 1,683,227; Sept. 4.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Automatic reclosing-circuit-breaker system. 1,689,515; Oct. 30.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,693,328; Nov. 27.
- Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Control of electric switches. 1,695,003; Dec. 11.
- Anderson, August, Denver, Colo. Artificial tree. 1,656,310; Jan. 17.
- Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
- Anderson, Bert, assignor to Anderson, Clayton & Company, Houston, Tex. Bale tie. 1,687,854; Oct. 16.
- Anderson Brake Appliance Company, The. (See Anderson, Harley E., assignor.)
- Anderson, Carl A., Irwin, Pa. Adjustable seat. 1,693,427; Nov. 27.
- Andersen, Carl C., Vierne Mark Pr. Gamby, Denmark. Horse-drawn rake. 1,688,222; Oct. 16.
- Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,657,336; Jan. 24.
- Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,657,337; Jan. 24.
- Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,657,338; Jan. 24.
- Anderson, Carl E., Stratford, assignor to Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,669,274; May 8.
- Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,670,922; May 22.
- Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 1,675,322; July 3.
- Anderson, Carl E., Stratford, and W. H. Keefe, jr., assignors to The Bryant Electric Company, Bridgeport, Conn. Circuit breaker. 1,656,851; Jan. 17.
- Anderson, Carl E., East Orange, assignor to Eastern Tool & Mfg. Co., Bloomfield, N. J. Buckle. 1,663,745; Mar. 27.
- Anderson, Carl E., assignor to Grand Haven Stamped Products Company, Grand Haven, Mich. Hinge. 1,668,137; May 1.
- Anderson, Carl F., et al. (See Bartolotta, Sebastiano G., assignor.)
- Anderson, Carl F., Brookfield, and R. W. Janda, Cicero, assignors to Conlon Corporation, Cicero, Ill. Ironing machine. 1,656,656; Jan. 17.
- Anderson, Carl I., Chicago, Ill. Dispensing apparatus. 1,678,628; July 31.
- Anderson, Carl J. (See Hursh, H. B., Anderson, and Bartels.)
- Anderson, Carl L., et al. (See Swenson, Carl E., assignor.)
- Anderson, Carl O., Mitchell, S. Dak. Valve-adjusting tool. 1,675,781; July 3.
- Anderson, Cecil R., Pittsburgh, Pa. Mine drill. 1,657,339; Jan. 24.
- Anderson, Charles, Seattle, Wash. Apparatus for raising water. 1,683,321; Sept. 4.
- Anderson, Charles O., Omaha, Nebr. Railway-brake-adjusting means. 1,657,988; Jan. 31.
- Anderson, Charles O., Omaha, Nebr. Automatic brake-adjusting mechanism. 1,691,325; Nov. 13.
- Anderson, Charles R., Sidney, Ohio. Combination display and shipment box. 1,682,463; Aug. 28.
- Anderson, Chester O. (See Anderson, Frank M. and C. O.)
- Anderson, Church, Los Angeles, Calif. Oil burner for furnaces. 1,676,471; July 10.
- Anderson, Clarence D., Ojus, Fla. Electrical cigar and pipe lighter. 1,659,421; Feb. 14.
- Anderson, Clarence G., Los Angeles, Calif. Vehicle door latch. 1,662,450; Mar. 13.
- Anderson, Clarence M., Oklahoma City, Okla. Prescription-filing cabinet and the like. 1,696,375; Dec. 25.
- Anderson, Clayton & Company. (See Anderson, Bert, assignor.)
- Anderson, Clifford N. (See Espenschied, L., Affel, and Anderson.)
- Anderson Company. (See Anderson, Daniel G., assignor.)
- Anderson Company, The. (See Rivanov, Felix, assignor.)
- Anderson, Daniel G., assignor to Anderson Company, Los Angeles, Calif. Extension-leaf construction for tables. 1,662,228; Mar. 13.
- Anderson, David E., assignor to General Motors Corporation, Detroit, Mich. Brake. 1,670,833; May 22.
- Anderson, David E., Detroit, and R. P. Edwards, Royal Oak, assignors to General Motors Corporation, Detroit, Mich. Water pump and generator mounting. 1,672,191; June 5.
- Anderson, David W., Scottsville, Va. Combined reversible nailing and case-forming brick or block. 1,668,348; May 1.
- Anderson, Edmund A. (See Peirce, W. M., and Anderson.)
- Anderson, Edward, Denver, Colo. Deborner. 1,686,723; Oct. 9.
- Anderson, Edward A., McKees Rocks, Pa. Clothes-drying cabinet. 1,658,277; Feb. 7.
- Anderson, Edward P. and A. N., Tumwater, Wash. Combined ironing board and table. 1,666,548; Apr. 17.
- Anderson, Emmerick, Dayton, Ky. Shoe. 1,679,889; Aug. 7.
- Anderson, Enoch J., Worcester, Mass. Labeling machine. 1,660,467; Feb. 28.
- Anderson, Ernest E., Chicago, Ill. Safety toggle break switch. 1,654,521; Jan. 3.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Spot lamp. 1,659,013; Feb. 14.
- Anderson, Ernst G. K., Chicago, Ill., assignor to Appleton Electric Company. Demountable spotlight with extension cord. 1,687,651; Oct. 16.
- Anderson, Ernst G. K., Evanston, Ill., assignor to Appleton Electric Company. Thermostatically-controlled heating plug. 1,696,146; Dec. 18.
- Anderson, Eugene E., Kansas City, Mo. Electric heater. 1,671,394; May 29.
- Anderson, Francis W., Seattle, Wash. Spacer. 1,684,051; Sept. 11.
- Anderson, Frank E., and F. H. Thorpe, assignors to The Columbus Sucker Rod Company, Columbus, Ohio. Making sucker rods. 1,690,612; Nov. 6.
- Anderson, Frank M. and C. O., St. Joseph, Mo. Sand-grading device. 1,679,757; Aug. 7.
- Anderson, Frank S. (See Randle, C. I., and Anderson.)
- Anderson, Fred O., Minneapolis, Minn. Golf tee. 1,674,814; June 26.
- Anderson, Frederick V., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,694,114; Dec. 4.
- Anderson, Fridthjof W., assignor to Northwestern Motor Company, Eau Claire, Wis. Railway motor truck. 1,680,492; Aug. 14.
- Anderson, Fritz A., assignor, by mesne assignments, to The Burdick Corporation, Milton, Wis. Electrical connector. 1,660,827; Feb. 28.
- Anderson, Fritz A., assignor to The Burdick Corporation, Milton, Wis. Therapeutic lamp. 1,680,583; Aug. 14.
- Anderson, G. W. (See McCorkle, Donald H., assignor.)
- Anderson, George F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick. 1,695,407; Dec. 18.
- Anderson, George K., and A. J. Ford, Fall River, Mass. Brace for soft collars. 1,658,219; Feb. 7.
- Anderson, Grace L., New York, N. Y. Instrument for piercing and closing metallic receptacles. 1,670,676; May 22.
- Anderson, Gustaf, Seattle, Wash. Saw set. 1,670,705; May 22.
- Anderson, Gustaf, Seattle, Wash. Saw set. 1,670,949; May 22.
- Anderson, Gustaf E., Brockton, assignor to The Peerless Machinery Company, Boston, Mass. Folding machine. 1,658,507; Feb. 7.
- Anderson, Harley E., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,657,142; Jan. 24.
- Anderson, Harley E., Chicago, assignor to The Anderson Brake Appliance Company, Chicago, Ill. Brake apparatus for railway and other vehicles. 1,660,700; Feb. 28.
- Anderson, Harley E., assignor to Gustin-Bacon Manufacturing Company, Kansas City, Mo. Fluid-pressure horn. 1,692,766; Nov. 20.
- Anderson, Harold N., Lakewood, Ohio. Process of and apparatus for making sleeve-like articles. 1,668,996; May 8.

- Anderson, Harry F., Marion, Ind., assignor of one-half to J. Boyce, Laketon, Mich. Sign. 1,679,462; Aug. 7.
- Anderson, Harry G., New York, N. Y. Keyless lock. 1,695,266; Dec. 18.
- Anderson, Harry P. H. (See McCallum, J., and Anderson.)
- Anderson, Harry T., Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Drawbar-yoke filler and making the same. 1,660,739; Feb. 28.
- Anderson, Harry T., Butler, Pa., assignor to T-Z Railway Equipment Co., Chicago, Ill. Metal step. 1,680,032; Aug. 7.
- Anderson, Harry W. (See Seaberg, S., and Anderson.)
- Anderson, Hazen S., Rochester, and J. B. Brown, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich. Buffer. 1,665,292; Apr. 10.
- Anderson, Hector G. S., Rolla, Mo. Process and apparatus for production of metals from ores. 1,669,406; May 15.
- Anderson, Henry L., Rockford, Ill. Combined playing-card holder and score card. Des. 74,537; Feb. 28.
- Anderson, Hilton J., St. Paul, Minn. Patch vulcanizer. 1,681,455; Aug. 21.
- Anderson, Hiram C., New York, N. Y. Automobile tire. 1,663,511; Mar. 20.
- Anderson, Irving, Bird City, Kans. Can opener. 1,690,319; Nov. 6.
- Anderson, Iver, assignor to Peabody Leather Company, Inc., Quakertown, Pa. Waist belt. 1,674,584; June 19.
- Anderson, J. W. (See Rounds, John W., assignor.)
- Anderson, James, Elizabeth, N. J. Clamp. 1,666,079; Apr. 17.
- Anderson, James B., Portland, Oreg. Safety landing and takeoff device for aeroplanes. 1,664,844; Apr. 3.
- Anderson, James B., assignor of one-fourth to L. S. Murray, San Diego, Calif. Aircraft pontoon apparatus. 1,693,773; Dec. 4.
- Anderson, James L., Englewood, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Protection of acetylene lines. 1,677,225; July 17.
- Anderson, James O., Eugene, Oreg. Spark arrester. 1,681,456; Aug. 21.
- Anderson, James S., Ames, Nebr. Vehicle signal. 1,675,017; June 26.
- Anderson, James S., Ames, Nebr. Vehicle light. 1,685,622; Sept. 25.
- Anderson, James W., assignor to Monarch Governor Company, Detroit, Mich. Governor. 1,662,098; Mar. 13.
- Anderson, James W., New York, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold book. 1,681,159; Aug. 21.
- Anderson, Jesse I., assignor to J. I. Holcomb Mfg. Company, Indianapolis, Ind. Combination bowl and rim brush. 1,660,318; Feb. 28.
- Anderson, Jesse I., assignor to J. I. Holcomb Mfg. Co., Indianapolis, Ind. Mop. 1,684,379; Sept. 18.
- Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,687,704; Oct. 16.
- Anderson, John, Milwaukee, Wis., assignor to Combustion Engineering Corporation. Pulverized-fuel-burning furnace. 1,665,399; Apr. 10.
- Anderson, John A. (See Hobbs, W. F., and Anderson.)
- Anderson, John A. (See Holmes, H. N., and Anderson.)
- Anderson, John A., Sherman, Calif. Garage-door-control apparatus. 1,682,103; Aug. 28.
- Anderson, John A., Port Arthur, Ontario, Canada. Highway-crossing gate. 1,685,623; Sept. 25.
- Anderson, John A., assignor to Central Oil & Gas Stove Company, Gardner, Mass. Enamel-coated article. 1,693,130; Nov. 27.
- Anderson, John C., Keyport, N. J. Wovenwire fabric and making it. 1,691,507; Nov. 13.
- Anderson, John G., Crestwood, and R. H. Waldo, assignors to John Wanamaker, New York, New York, N. Y. Golf-ball box. 1,676,975; July 10.
- Anderson, John H., St. Paul, Minn. Portfolio. 1,657,102; Jan. 24.
- Anderson, John H., St. Paul, Minn. Cuff construction. 1,685,305; Sept. 25.
- Anderson, John N., Hoboken, assignor to Otis Elevator Company, Jersey City, N. J. Elevator safety appliance. 1,678,031; July 24.
- Anderson, John P. (See Schmohl, A. C., and Anderson.)
- Anderson, John R., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Base and leg support. 1,656,906; Jan. 24.
- Anderson, John W., Gary, Ind. Radiator-cap ornament or similar article. Des. 75,144; May 15.
- Anderson, John W., Gary, Ind. Indicator. 1,694,902; Dec. 11.
- Anderson, John W., Gary, Ind. Indicating apparatus. 1,694,903; Dec. 11.
- Anderson, John W., Gary, Ind. Indicating device. 1,694,904; Dec. 11.
- Anderson, John W., Gary, Ind. Indicating device. 1,694,905; Dec. 11.
- Anderson, John W., Gary, Ind. Indicator for cooling systems. 1,694,906; Dec. 11.
- Anderson, John W., Gary, Ind. Indicating means. 1,694,907; Dec. 11.
- Anderson, John W., Gary, Ind. Indicating device for cooling systems. 1,694,908; Dec. 11.
- Anderson, John W., Hamilton, Ontario, Canada. Thermostatic electric switch. 1,674,151; June 19.
- Anderson, Joseph M., Elko, Minn. Rotary liquid pump. 1,683,010; Sept. 4.
- Anderson, Karl E., Chicago, Ill. Material holder. 1,683,279; Sept. 4.
- Anderson, Karl G., assignor to The Seeger Refrigerator Company, St. Paul, Minn. Fastener for refrigerators. 1,656,159; Jan. 17.
- Anderson, Kenneth M. (See Lane, F. W., and Anderson.)
- Anderson, Lloyd C., Minneapolis, Minn. Spring wheel. 1,659,938; Feb. 21.
- Anderson, Louis E., Charlotte, N. C. Winding attachment for quiller frames. 1,670,399; May 22.
- Anderson Lumber Company. (See Solheim, Marcus O., assignor.)
- Anderson, Martin E., De Kalb, Ill. Fence-post anchor. 1,689,316; Oct. 30.
- Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Conveying apparatus. 1,693,014; Nov. 27.
- Anderson, Maud L., assignor of one-half to J. A. Graham, Aurora, Ill. Monogram holder. 1,668,543; May 8.
- Anderson, Maurice, Chicago, Ill. Pneumatic-tube carrier. 1,691,038; Nov. 13.
- Anderson, Merrill, New York, N. Y. Educational or advertising appliance. 1,673,659; June 12.
- Anderson, Mildred E., Minneapolis, Minn. Foot mat. 1,680,442; Aug. 14.
- Anderson, Nels B., Hawley, Minn. Runner attachment for skates. 1,670,226; May 15.
- Anderson, Olaf A., Hamilton, Ohio. Locking device for motor vehicles. 1,662,089; Mar. 13.
- Anderson, Olaf A., Hamilton, Ohio. Dial. 1,690,806; Nov. 6.
- Anderson, Olaf P., Chicago, Ill. Combination cheese and cake knife. 1,668,478; May 1.
- Anderson, Olaf R., Pasadena, Calif. Magnetic motor. 1,666,065; Apr. 17.
- Anderson, Olof B., Marquette, Mich., assignor to E. J. Longyear Manufacturing Company. Hydraulic-feed rotary drill. 1,692,431; Nov. 20.
- Anderson, Oscar O., Sioux Rapids, Iowa. Stock waterer. 1,663,789; Mar. 27.
- Anderson, Ossian, Tumwater, assignor to Fidalgo Pulp Manufacturing Co., Anacortes, Wash. Shredding and drying pulp. 1,668,446; May 1.
- Anderson, Oswald J., Tacoma, Wash. Automobile signal. 1,669,848; May 15.
- Anderson, Otto A., assignor to Zangerle & Peterson Company, Chicago, Ill. Settee or similar article. Des. 75,459.
- Anderson, Otto A., assignor to Zanzerle & Peterson Company, Chicago, Ill. Settee or similar article. Des. 75,540; June 19.
- Anderson, Paul, Vasteras, Sweden. Machine for the sintering of ore and the like. 1,676,720; July 10.
- Anderson, Peter M., Woodville, and A. L. Halverson, Spring Valley, Wis. Automatic stop for churns. 1,659,070; Feb. 14.
- Anderson, Philip A., Atlantic, Iowa. Lawn-mower grinder. 1,663,823; Mar. 27.
- Anderson, Philip C., Lincoln, Nebr., assignor, by mesne assignments, to Western Wheeled Scraper Company, Aurora, Ill. Wheeled scraper. 1,692,013; Nov. 20.
- Anderson-Pitt Corporation, The. (See Pitt, Frederick D., assignor.)
- Anderson, Preston W., Los Angeles, Calif. Cradles. 1,676,420; July 10.
- Anderson, Randolph, St. Louis, Mo. Window-cleaning apparatus. 1,656,996; Jan. 24.
- Anderson, Raymond T., assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 1,667,648; Apr. 24.
- Anderson, Robert A., Montclair, assignor to Gamon Meter Company, Newark, N. J. Gear train for water meters. 1,691,039; Nov. 13.
- Anderson, Robert G., West Albany, N. Y., assignor to General Electric Company. Locomotive or car truck. 1,670,706; May 22.
- Anderson, Robert J., Sewickley, Pa., assignor to National Fireworks, Inc. Float light. 1,691,508; Nov. 13.
- Anderson, Robert L., Saguache, Colo. Fur stretcher. 1,659,345; Feb. 14.
- Anderson, Roland G., New Haven, Conn., and J. Gaines, Woonsocket, R. I., assignors to L. Candee & Co., New Haven, Conn. Sole pattern. 1,682,880; Sept. 4.
- Anderson, Roland G., Morris Cove, Conn., assignor, by mesne assignments, to Wellman Company, Medford, Mass. Blank-cutting machine. 1,691,795; Nov. 13.
- Anderson, Roland G., assignor to L. Candee and Company, New Haven, Conn. Blank-cutting machine. 1,691,796; Nov. 13.
- Anderson, Russell T., Denver, Colo. Rocker arm and cam assembly for internal-combustion engines. 1,671,973; June 5.
- Anderson, Russell W., Detroit, Mich. Advertising stand. Re16,868; Feb. 7.
- Anderson, Samuel H., Seattle, Wash. Ground-speed meter. 1,664,395; Apr. 3.
- Anderson, Signord, Leavenworth, Kans. Baseball game. 1,691,952; Nov. 20.
- Anderson, Standard I., Tacoma, Wash. Spreeder on end bed of molding machines. 1,656,156; Jan. 17.

- Anderson, Swan F., Rockford, assignor by mesne assignments to C. P. Parker, trustee, Chicago, Ill. Rubbing machine. 1,677,112; July 10.
- Anderson, Swan F., Rockford, assignor, by mesne assignments, to Peerless Pneumatic Systems, Inc., Chicago, Ill. Spray gun. 1,689,848; Oct. 30.
- Anderson, Thomas F. (See Carpenter, R. F., and Anderson.)
- Anderson, V. D., Company, The. (See Anderson, Frederick V., assignor.)
- Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
- Anderson, Walter B., Chicago, Ill. Hydraulic gate and check valve. 1,685,933; Oct. 2.
- Anderson, Walter D., Newcastle, New Brunswick, Canada. Safety guard. 1,692,972; Nov. 27.
- Anderson, William, Spokane, Wash. Hose handle. 1,686,115; Oct. 2.
- Anderson, William, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Oil-immersed electric switch. 1,670,227; May 15.
- Anderson, William, Hebburn-on-Tyne, and H. W. Clothier, Wallsend-on-Tyne, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Control mechanism for electric switch gear. 1,685,531; Sept. 25.
- Anderson, William C., Hartford, Conn. Screen-holding clip. 1,681,925; Aug. 28.
- Anderson, William H., assignor to Eclipse Manufacturers, Inc., Los Angeles, Calif. Radio dial plate. Des. 75,200; May 22.
- Anderson, William M., Minneapolis, Minn. Commutator. 1,658,508; Feb. 7.
- Anderson, William S., Atlanta, Ga. Switch mechanism. 1,665,429; Apr. 10.
- Andersson, Axel H., Benton Harbor, Mich., assignor, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Drawer support. 1,692,805; Nov. 27.
- Andersson, Walter B., Chicago, Ill. Hydraulic gate and check valve. 1,685,932; Oct. 2.
- Anderton, Francis S., Blackburn, England. Steam superheater. 1,673,345; June 12.
- Andis, Mathew, Racine, Wis. Electric motor. 1,666,588; Apr. 17.
- Andis, Mathew, Racine, Wis. Electrically-driven hair clipper. 1,671,265; May 29.
- Ando, Katsutaro, Minamikatsushika-Gun, Tokyo-Fu, Japan. Combined lock and latch. 1,680,930; Aug. 14.
- Andrade, Cipriano, jr., New York, N. Y. Hand-reeling boom. 1,664,013; Mar. 27.
- Andrade, Cipriano, jr., New York, N. Y. Automatic reeling boom. 1,675,081; June 26.
- Andrade, John, East Cleveland, assignor to Chandler Motor Car Company, Cleveland, Ohio. Rumble seat for automobile bodies. 1,675,685; July 3.
- Andreasen, Alfred C., Chicago, Ill. Pump. 1,672,401; June 5.
- Andreini, Corrado, Rome, Italy. Windmill transmission drive. 1,670,179; May 15.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Spring hanger and gusset for automobile frames. 1,678,930; July 31.
- Andren, Birger T., assignor to A. O. Smith Corporation, Milwaukee, Wis. Forging. 1,683,011; Sept. 4.
- Andres, Paul G., assignor to Newcombe-Hawley, Inc., St. Charles, Ill. Sound reproducing unit. 1,655,403; Jan. 10.
- Andres, Vicente. (See Isacco, V. and Andres.)
- Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. Re17,015; July 3.
- Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating connection. 1,656,261; Jan. 17.
- Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,660,148; Feb. 21.
- Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Braking system. 1,660,951; Feb. 28.
- Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Operating connection. 1,686,360; Oct. 2.
- Andresen, Lauritz B., Minneapolis, assignor to M. F. Patterson Dental Supply Co., St. Paul, Minn. Tool handle. 1,678,095; July 24.
- Andresen, Lauritz B., Minneapolis, assignor to M. F. Patterson Dental Supply Co., St. Paul, Minn. Contra-angle attachment for dental handpieces. 1,678,096; July 24.
- Andresen, Lauritz B., Minneapolis, assignor to M. F. Patterson Dental Supply Co., St. Paul, Minn. Bearing for angle attachments for dental handpieces. 1,678,097; July 24.
- Andress, Frank J., Cincinnati, Ohio, assignor, by mesne assignments, to The Brownie Corporation, New York, N. Y. Preserving beverages. 1,691,538; Nov. 13.
- Andrew, Arthur O., Leon, Iowa. Automatic spark control. 1,674,152; June 19.
- Andrew, James P., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bromine recovery. 1,662,355; Mar. 13.
- Andrew, Lucy B., Forest Hills, N. Y. Shoulder-ribbon device for ladies' slips and the like. 1,660,778; Feb. 28.
- Andrew, Lyman I., Grand River, Iowa. Cultivator. 1,668,801; May 1.
- Andrew, Nicholas P., et al. (See Andrew, N. P., Macfie, and Rose, assignors.)
- Andrew, Nicholas P., W. L. Macfie, and R. W. Rose, Finsbury, London, assignors to N. P. Andrew and G. E. Suter, copartners trading as Andrew & Suter, Finsbury, England. Machine for making cardboard and similar boxes. 1,692,534; Nov. 20.
- Andrew & Suter. (See Andrew, N. P., Macfie, and Rose, assignors.)
- Andrew, William K., Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Indexing and clamping device. 1,675,150; June 26.
- Andrew, William K., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Clamping device. 1,685,899; Oct. 2.
- Andrewartha, William G., Sydney, New South Wales, Australia. Manufacture of methyl eugenol. 1,678,416; July 24.
- Andrews, Albert, Spearfish, S. Dak. Engine construction. 1,675,629; July 3.
- Andrews, Arthur G., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Dish drier. 1,679,594; Aug. 7.
- Andrews, Arthur G., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Dish drier. 1,682,654; Aug. 28.
- Andrews, Arthur G., Rockford, Ill., assignor to the Washburn Company, Worcester, Mass. Colander strainer. 1,688,846; Oct. 23.
- Andrews, Benjamin, Houston, Tex. Method and apparatus for raising liquids. 1,671,564; May 29.
- Andrews-Bradshaw Company. (See Boyrie, Harry E., assignor.)
- Andrews, Charles W., Duluth, Minn. Production of carbureted water gas. 1,672,109; June 5.
- Andrews, Chester E. (See Cannon, F. A., and Andrews.)
- Andrews, Chester E., Carnegie, assignor to The Selden Company, Pittsburgh, Pa. Temperature-regulating system. 1,666,251; Apr. 17.
- Andrews, Chester E., assignor to The Selden Company, Pittsburgh, Pa. Purification. 1,685,624; Sept. 24.
- Andrews, Dudley, et al. (See Watkins, Irah J., assignor.)
- Andrews, Edward A., Newton Center, Mass. Antiskid tire chain. 1,655,122; Jan. 8.
- Andrews, Edward F., Chicago, Ill. Volume-control system for radioreceivers. 1,666,522; Apr. 17.
- Andrews, Edward F., assignor to Andrews-Hammond Corporation, Chicago, Ill. Electrolytic condenser. 1,673,434; June 12.
- Andrews, Frank W., Wapakoneta, and R. C. Mitchell, Springfield, Ohio, assignors, by mesne assignments, to Couzens Ice Machine Company, Detroit, Mich. Compressor valve. 1,669,889; May 15.
- Andrews, Franklin O., Willoughby, Ohio. Screw machine. 1,657,813; Jan. 31.
- Andrews, Fred W., Cleveland, Ohio, assignor to Revalo Products Corporation. Salvaging tire carcasses. 1,673,219; June 12.
- Andrews, George M., 2d. (See Peirce, J. R., 3d, and Andrews.)
- Andrews-Hammond Corporation. (See Andrews, Edward F., assignor.)
- Andrews, Isaac, Spartanburg, S. C. Loom reed. 1,676,513; July 10.
- Andrews, James M., Brooklyn, assignor to Robert Gair Company, New York, N. Y. Box board or caddy stock. 1,695,837; Dec. 18.
- Andrews, John, Nokomis, Ill. Car coupling. 1,656,463; Jan. 17.
- Andrews, John W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,642; May 15.
- Andrews, John W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,644; May 15.
- Andrews, John W., Chicago, and R. Gillis, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,643; May 15.
- Andrews, John W., Chicago, and R. Gillis, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,645; May 15.
- Andrews, Leonard, Westminster, England. Valve mechanism for controlling the discharge of powdered material and sand from tanks or other receptacles. 1,665,081; Apr. 3.
- Andrews, Maybell, Detroit, Mich. Lady's shoulder-strap fastener. 1,670,834; May 22.
- Andrews, Walter W., Montgomery, Ala. Tube flanger. 1,669,367; May 8.
- Andrews, William H., Los Angeles, Calif. Sleeper anchor. 1,688,102; Oct. 16.
- Andriessen, Arthur. (See Tietig, Chester, assignor.)
- Andriola, Salvatore, New York, N. Y. Hat protector. 1,657,057; Jan. 24.
- Androff, Lambro, Minneapolis, Minn. Dispensing device. 1,687,705; Oct. 16.
- Andronowicz, John, assignor of one-half to B. Bikin, Chicago, Ill. Pottery-forming die. 1,683,855; Sept. 11.
- Andros, Charles H., Albany, N. Y. Package. 1,682,104; Aug. 28.

- Andrus, Orrin E., and S. Hermanson, assignors to A. O. Smith Corporation, Milwaukee, Wis. Oil-refining still. 1,680,276; Aug. 14.
- Andrusis, John A., Brooklyn, N. Y. Illuminated mirror, album, and clock. 1,689,471; Oct. 30.
- Andux y Perez, Pedro C., Habana, Cuba. Automatic radio telegraphic transmitter. 1,696,779; Dec. 25.
- Anetsberger, Frank A. and W., Chicago, Ill. Humidifying apparatus. 1,676,763; July 10.
- Anetsberger, William. (See Anetsberger, Frank A. and W.)
- Anfield, Benjamin T., Boulder, Colo. Drilling apparatus. 1,688,774; Oct. 23.
- Angel, Augustus, Brooklyn, N. Y., assignor to Signode System, Inc., Chicago, Ill. Joint and making same. 1,682,914; Mar. 20.
- Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Regenerative telegraph repeater. 1,673,726; June 12.
- Angel, Joe M., Pauls Valley, Okla. Horse collar. 1,695,167; Dec. 11.
- Angeletti, Joseph M., New York, N. Y. Typewriter. 1,685,391; Sept. 25.
- Angell, Andrew, Minneapolis, Minn. Distributor for condiments and the like. 1,680,584; Aug. 14.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Flame shield. Des. 76,215; Sept. 4.
- Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Strand twisting and coiling mechanism. 1,671,951; May 29.
- Angerer, Victor, Ridley Park, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Hydraulic center-shifting mechanism. 1,681,969; Aug. 28.
- Angier, Edward H., (See Wheildon, William M., assignor.)
- Anglada, Domingo, New York, assignor to Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y. Hanger for lamps and the like. 1,673,930; June 19.
- Anglada, Joseph A., Jenkintown, Pa., assignor to Bonner-Charter Corporation, Dover, Del. Misalignment coupling for sleeve-valve engines. 1,670,293; May 22.
- Angle, Glenn D., Detroit, Mich. Articulated connecting rod. 1,654,773; Jan. 3.
- Angle, Glenn D., assignor to Detroit Aircraft Engine Corporation, Detroit, Mich. Internal-combustion engine. 1,670,294; May 22.
- Angle, Glenn D., and G. E. A. Hallett, Dayton, Ohio. Engine cylinder. 1,676,976; July 10.
- Angle, Glenn D., assignor to Detroit Aircraft Engine Corporation, Detroit, Mich. Crank-shaft oil plug. 1,693,882; Dec. 4.
- Anglemyer, Willard A., Indianapolis, Ind. Tube stem. 1,671,961; June 5.
- Anglo-California Trust Company. (See Eley, Forrest W., assignor.)
- Angrove, Samuel, assignor, by mesne assignments, to Burnoil Heating Corporation, Providence, R. I. Fire pot for liquid-fuel burners. 1,659,537; Feb. 14.
- Angrove, Samuel, assignor, by mesne assignments, to Burnoil Heating Corporation, Providence, R. I. Nozzle for liquid-fuel burners. 1,659,538; Feb. 14.
- Angus, George S., (See Stephens, Charles T., assignor.)
- Anheuser-Busch, Incorporated. (See Doerr, O. P., and Stolberg, assignors.)
- Anibal, Benjamin H. Pontiac, assignor to General Motors Corporation, Detroit, Mich. Combined automobile hood and radiator. Des. 75,201; May 22.
- Anjow, Koji, Tokyo Fu, assignor to Mitsubishi Kogyo Kabushiki Kaisha, Tokyo, Japan. Making metallic tungsten. 1,682,058; Aug. 28.
- Annen, James E., assignor to The National Paper Can Company, Milwaukee, Wis. Method and apparatus for making fibrous containers. 1,666,767; Apr. 17.
- Annis, Burton B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Valve. 1,683,322; Sept. 4.
- Annis, Ralph B., assignor to Mower-Gulden Annis, Inc., Brooklyn, N. Y. Bottle or the like. Des. 75,763; July 17.
- Anolocal Burner Co., The. (See Wetmore, Earl P., assignor.)
- Anopol, Louis M., Chicago, Ill. Table pad. 1,661,987; Mar. 6.
- Ansaldo, Salvatore, Brooklyn, N. Y. Making shoes. 1,668,479; May 1.
- Anschell, Sidney C., Chicago, Ill., assignor to The Folly Town Company. Display box. 1,689,763; Oct. 30.
- Anso Photoproducts, Inc. (See Bornmann, Carl, assignor.)
- Anso Photoproducts, Inc. (See Klein, Rudolph, assignor.)
- Anso Photoproducts, Inc. (See Lowkrantz, Gunne, assignor.)
- Anso Photoproducts, Inc. (See Natheson, Avery A., assignor.)
- Anso Photoproducts, Inc. (See Slocum, Benjamin A., assignor.)
- Ansel, Harry R., (See Bloss, R. R., Strout, and Ansel.)
- Ansell, Henry W., Stagi, Swaziland, South Africa. Shaving-stick holder. Des. 75,400.
- Anshelm, Edward H., Brooklyn, assignor to Akon Safety Razor Co., Inc., New York, N. Y. Corn razor. 1,681,207; Aug. 21.
- Ansingh, Herman K., Toronto, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,658,913; Feb. 14.
- Ansingh, Herman K., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Housing for metering equipment. 1,671,502; May 29.
- Anson, Edward D., Willamette, Oreg. Flower-vase holder. Des. 77,280; Dec. 25.
- Ansonia Clock Company, The. (See Balzer, Werner H., assignor.)
- Ansonia Clock Company, The. (See Clark, William H., assignor.)
- Ansonia O & C Company, The. (See Clauss, George E., assignor.)
- Anstey, Tracey J., Oakland, Calif. Wedge closure fastener. 1,676,515; July 10.
- Anstice, Josiah, & Co. Inc. (See McCathron, Claude B., assignor.)
- Anstiss, George P., Oak Park, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill. Washing machine. 1,677,320; July 17.
- Antal, John, Brooklyn, N. Y. Window. 1,690,807; Nov. 6.
- Anthony Company, The. (See Morse, A. W., and Wollheim, assignors.)
- Anthony, David S., San Antonio, Tex. Burr for gristmills. 1,696,514; Dec. 25.
- Anthony, Fred J., (See Biggs, Noah B., assignor.)
- Anthony, Frederick J., assignor to Western Iron and Foundry Company, Wichita, Kans. Wheel. 1,660,639; Feb. 28.
- Anthony, Herman R. C., assignor to French Battery Company, Madison, Wis. Dry-battery package. 1,684,856; Sept. 18.
- Anthony, James P., Columbia, Mo. Portable saw rig. 1,656,311; Jan. 17.
- Anthony, James T., East Orange, N. J., assignor to American Arch Company. Boiler fire box. 1,665,339; Apr. 10.
- Anthony, John, Attleboro, Mass. Ornamental chain. 1,686,594; Oct. 9.
- Anthony, John E., assignor to International Harvester Company, Chicago, Ill. Control mechanism for tractors. 1,667,361; Apr. 24.
- Anthony, Joseph W., Lynn, Mass. Folding machine. 1,657,911; Jan. 31.
- Anthony, Stanley, Boston, Mass. Stamping machine. Re16,977; May 29.
- Anthony, Stanley, Boston, Mass. Push button. 1,686,506; Oct. 9.
- Anthony, Wendell P., Ridley Park, Pa., assignor to The Mynol Chemical Company. Hypodermic syringe. 1,676,881; July 10.
- Anthony, William C., Streator, Ill. Oil burner. 1,681,160; Aug. 21.
- Anthraxite Separator Company. (See Pardee, Frank, assignor.)
- Antimony Products Corporation. (See Nuhn, H., and Blood, assignors.)
- Antoine, Alfred D., (See Richardson, M. H., and Antoine.)
- Antonelli, Silvio, New Haven, Conn. Signal switch for tanks. 1,693,131; Nov. 27.
- Antoni, Ugo, Viareggio, Italy. Body structure for aerial and land vehicles and marine craft. 1,682,262; Aug. 28.
- Antoni, Ugo, Viareggio, Italy. Construction of flexible aeroplane wings with variable profile. 1,690,765; Nov. 6.
- Antonola, Alessandro. (See Casati, P., and Antonola.)
- Antonoff, George N., assignor to M. A. Adam, London, England. Electric battery of the Leclanché type. 1,687,051; Oct. 9.
- Antrim, William D., assignor to Welsbach Company, Gloucester City, N. J. Gas heater. 1,669,503; May 15.
- Anzell, Anna S., Far Rockaway, N. Y. Mirror bracket for motor cars. 1,671,692; May 29.
- Apco Mossberg Corporation. (See Perkins, Clarence B., assignor.)
- Apelt, Charles, Comfort, Tex. Wall pocket. Des. 76,338; Sept. 18.
- Apelt, Charles, Comfort, Tex. Lamp shade. Des. 76,594; Oct. 16.
- Apex Electrical Manufacturing Company, The. (See Frantz, Walter A., assignor.)
- Apfel, Philip F., Seattle, Wash. Apparatus for drying laundry. 1,661,551; Mar. 6.
- Apleson, Ben, et al. (See Vogelzang, Frank, assignor.)
- Applin, Ole F., Culbertson, Mont. Grain-bin feed. 1,684,338; Sept. 11.
- Apostleship Of Prayer, Incorporated. (See Feeley, William J., assignor.)
- Apostolos, George T., Brooklyn, N. Y. Window latch. 1,671,336; May 29.
- Appel, Robert, Brooklyn, N. Y. Pocketbook. 1,674,153; June 19.
- Appel, Venie W., (See Wood, Alexander P., assignor.)
- Appel, Walter D., (See Jerome, B., and Appel.)
- Appel, Walter D., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Brake adjusting and operating means. 1,658,546; Feb. 7.
- Appelbaum, Isaac, Brooklyn, N. Y. Cloth-cutting machine. 1,690,808; Nov. 6.
- Appelberg, Axel O., assignor to Aktiebolaget Birkå Regulator, Stockholm, Sweden. Thermostatic regulating device for heat-producing apparatus. 1,661,103; Feb. 28.

- Appenzeller, Norman, assignor to Kidwell Boiler Company, Milwaukee, Wis. Baffle for water-tube boilers. 1,680,314; Aug. 14.
- Apple, Vincent G., Dayton, Ohio. Machine for bending armature terminals. Re16,889; Feb. 28.
- Apple, Vincent G., Dayton, Ohio. Making an armature. 1,684,464; Dec. 11.
- Applebaum, Eugene W., Chicago, Ill. Sign flasher. 1,659,071; Feb. 14.
- Applebaum, Samuel K., Hollywood, Calif. Bottle. Des. 76,976; Nov. 27.
- Appieby, Charles R., Bolivar, N. Y. Power winch for tractors. 1,684,857; Sept. 18.
- Appieby, Edmund G. (See Bentley, G. H., and Appieby.)
- Appieby, Geoffrey E., et al., executors. (See Bentley, G. H., and Appieby.)
- Appieby, Thomas, Philadelphia, assignor to A. A. Kent, Ardmore, Pa. Control method and apparatus. 1,683,012; Sept. 4.
- Appieby, W. C. (See Waid, Calvin R., assignor.)
- Appieby, William H., Baltimore, Md., assignor to Bethlehem Steel Company, Bethlehem, Pa. Steam hot plate. Re16,953; May 1.
- Appieby, William H., Baltimore, Md., assignor to Bethlehem Steel Company, Bethlehem, Pa. Steam hot plate. Re16,953; May 1.
- Appieby, William H., Baltimore, Md., assignor to Bethlehem Steel Company, Bethlehem, Pa. Steam hot plate. Re17,123; Nov. 6.
- Appleford Counter Check Book Company. (See Palmer, Ernest E., assignor.)
- Applegate, Daniel H., jr., Red Bank, N. J., assignor, by mesne assignments, to Proctor & Schwartz, Inc., Philadelphia, Pa. Drier. 1,689,099; Oct. 23.
- Applegate, Robert, Cleveland, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Welding. 1,666,026; Apr. 10.
- Applegath, Joseph G., et al. (See Barnes, George, assignor.)
- Appleman, Boyd K., Beaumont, Tex. Oil-storage tank. 1,695,358; Dec. 18.
- Appler, Abraham B. (See Brown, G., and Appler.)
- Appleton Electric Company. (See Anderson, Ernst G. K., assignor.)
- Appleton Electric Company. (See Goetzelman, William, assignor.)
- Appleton, Ernst G., A. C. Fischer, and R. Mooney, assignors to Roach-Appleton Manufacturing Company, Chicago, Ill. Extension lamp. 1,677,163; July 17.
- Appleton, Joseph H., Oshkosh, Wis., assignor to O'Malley-Beare Valve Corporation, Chicago, Ill. Valve. 1,667,999; May 1.
- Appley, Lena G., St. Paul, Minn. Clown phonic game. 1,671,758; May 29.
- Appley, Lena G., St. Paul, Minn. Mosaic toy. 1,681,759; Aug. 21.
- Applin, Samuel, Philadelphia, Pa. Scouring device. 1,658,153; Feb. 7.
- Applin, Samuel, Philadelphia, Pa. Scouring device. 1,679,392; Aug. 7.
- Appling, Grady S., El Campo, Tex., assignor of one-half to N. R. Appling, Hollywood, Calif. Douche case. 1,679,146; July 31.
- Appling, Nadine R. (See Appling, Grady S., assignor.)
- April, David, Washington, D. C. Parking bumper for automobiles. 1,664,342; Mar. 27.
- Apt, Morris. (See Simsack, Anton S., assignor.)
- Aram, Otto, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Underfeed stoker. 1,660,779; Feb. 28.
- Araujo, Abelard S. R., Rio de Janeiro, Brazil. Fire grate. 1,692,323; Nov. 20.
- Arbitt, Pierre, Paris, France, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of glassware. 1,680,357; Aug. 14.
- Arbon, Paul, deceased, Tulsa, Okla.; Fidelity National Bank and Trust Company of Kansas City, Missouri, and L. M. McLeod, Tulsa, Okla., executors. Socket. 1,653,472; Feb. 7.
- Arca Regulators, Incorporated. (See Carlstedt, Ragnar, assignor.)
- Arca Regulators, Inc. (See Söderberg, Sten E. B., assignor.)
- Arca Manufacturing Company. (See Tscherning, Henry, assignor.)
- Aradia Lubricator Company. (See Lynch, William B., assignor.)
- Aradu, Anthony, Peekskill, N. Y. Chest lock. 1,687,485; Oct. 16.
- Archaculoff, Vadime, Boulogne-sur-Seine, France. Direct-injection fuel atomizer for internal-combustion engines. 1,692,107; Nov. 20.
- Archea, Walter D., Norwood, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Work rest and ejecting device for grinding machines. 1,688,103; Oct. 16.
- Archer, Alfred, Caldwell, N. J., assignor to Mergenthaler Linotype Company. Quad block for slug-casting machines. 1,665,248; Apr. 10.
- Archer, Capelle H., Tampa, Fla. Wheel-aligning gauge. 1,696,290; Dec. 25.
- Archer, Elbert H. (See Altfather, F. M., Archer, and Rumsey.)
- Archer, Frank M., Brookline, assignor, by mesne assignments, to The Moxie Company, Boston, Mass. Toy cart. 1,672,553; June 5.
- Archer, Harry. (See Smith, Landon D., assignor.)
- Archer, Lenah B., executrix. (See Burrows, Linus P.)
- Archer, Merton T. (See Zerbe, L. E., and Archer.)
- Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Tandem-barrel well pump. 1,683,435; Sept. 4.
- Archer, Merton T., Pittsburgh, Pa., assignor to The National Supply Company, Toledo, Ohio. Gas-lift pumping apparatus. 1,687,317; Oct. 9.
- Archer, Plato, Jeannette, assignor to McDowell Manufacturing Company, Millvale, Pa. Spiral-runway game board. 1,655,401; Jan. 10.
- Archer, Raymond, Redmond, Oreg. Internal-combustion engine. 1,695,704; Dec. 18.
- Archer, Robert, sr., Fort Washington, Pa. Combined match holder and ash receiver. 1,668,622; May 8.
- Archer, Robert S. (See Jeffries, Z., and Archer.)
- Archer, Robert S., Cleveland, Ohio, assignor to Aluminum Company of America. Aluminum-base alloy. 1,663,150; Mar. 20.
- Archer, Thomas P. (See Heintz, E. E., and Archer.)
- Archer, Thomas P., and F. M. Edgar, assignors to Terstedt Manufacturing Company, Detroit, Mich. Reversible latch control. 1,662,485; Mar. 13.
- Architectural Metal Products, Incorporated, The. (See Lee, Josiah E., assignor.)
- Arcless Contact Company, The. (See Armstrong, R. W., and McCabe, assignors.)
- Arcless Contact Company, The. (See McCabe, I. E., and Armstrong, assignors.)
- Arctic Nu-Air Corporation. (See Feinberg, Allen A., assignor.)
- Arctic Nu-Air Corporation. (See Feinberg, A., and Halverson, assignors.)
- Arctic Nu-Air Corporation. (See Sternberg, Irving C., assignor.)
- Arcus, Charles R., assignor to Claxton and Company Limited, Ramsgate, England. Scale remover for tubes. 1,660,406; Feb. 26.
- Arcus, James S., and R. E. Beaubien, Chicago, Ill.; said Beaubien assignor to said Arcus. Ticket-issuing machine. 1,696,180; Dec. 25.
- Arden, Harry B., New York, N. Y. Building monolithic concrete underground structures. 1,684,816; Sept. 18.
- Arden, Thomas R., Forest Hills, assignor to E. H. Cheln, New York, N. Y. Toy crane. 1,660,780; Feb. 28.
- Arden, Thomas R., Forest Hills, assignor to J. Cheln, New York, N. Y. Chassis. 1,685,592; Sept. 25.
- Arden, Thomas R., Baldwin, N. Y., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy airplane. 1,693,189; Nov. 27.
- Ardisana, Modesto L. (See Moss, W. B., jr., and Ardisana.)
- Arehart, William M., Euclid Village, Ohio. Treating plastic bars. 1,658,070; Feb. 7.
- Arelt, Charles, and John Jackson, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Package inspection. 1,682,464; Aug. 28.
- Arendale, Harry T., Miami, Okla. Lubricator. 1,656,808; Jan. 17.
- Arends, Albert A., Redwood City, Calif. Door-holding tool. 1,681,834; Aug. 21.
- Arends, Herman T., Highland Park, Mich. Magazine binder. 1,688,514; Oct. 23.
- Arenz, John A., Chicago, Ill., assignor to International Screw Company, Wilmington, Del. Screw pointing and threading machine. 1,694,303; Dec. 4.
- Arey, Fred C., Oak Park, Ill., assignor to himself, J. W. Gleason, Pittsburgh, Pa., F. A. Bora, New York, N. Y., W. F. Freudenreich, Kenilworth, and F. H. Chetlain, Chicago, Ill., trustees. Machine for expanding sheet metal. 1,674,613; June 19.
- Arey, Ralph G., assignor to Worcester Bilt-Rite Company, Worcester, Mass. Wiping element for windshield cleaners. 1,663,290; Mar. 13.
- Arflex Lamp and Fixture M'fg. Corp. (See Abuza, Moses C., assignor.)
- Argo, John W. (See Newton, Walter M., assignor.)
- Argus Manufacturing Company. (See Nielsen, Jens P., assignor.)
- Argy Pre-Heating Corporation. (See Corcoran, John C., assignor.)
- Aridor Company, The. (See Moyer, Paul S., assignor.)
- Aridor Company, The. (See Peck, R. G., and Brown, assignors.)
- Ariens, George A., Jeffersonville, Ind. Windshield wiper. 1,661,152; Mar. 6.
- Ariens, Henry, assignor to Brillion Iron Works, Brillion, Wis. Soil-pulverizing machine. 1,688,914; Oct. 13.
- Arigi, Julius, Marianske Lazne, assignor to the firm: Aero Továrna Ctadel, Praha-Vysocany, Czechoslovakia. Combined lock and latch. 1,677,012; July 10.
- Arima, Hikosuke, Tokyo, Japan. Mechanism for automatically replenishing weft in power looms. 1,695,630; Dec. 18.
- Arkell, Bartlett. (See Lorenz, William A., assignor.)
- Arkell Safety Bag Company. (See Hardy, E. C., and Morales, assignors.)
- Arkell Safety Bag Company. (See Widmer, Howard G., assignor.)
- Arkley, Allen, Santa Barbara, Calif. Carburetor. 1,657,143; Jan. 24.

- Arlen, Olga L., New York, N. Y. Facial bandage. 1,078,970; July 31.
- Arlington Mills. (See Harding, Frank E., assignor.)
- Armbruster, Arthur L., and C. W. Madison, Seattle, Wash. Siphon attachment. 1,691,695; Nov. 13.
- Armbruster, Charles E. H., Denver, Colo. Dynamic photometer. 1,657,601; Jan. 31.
- Armbruster, Charles E. H., Denver, Colo. Diagnostic instrument. 1,692,241; Nov. 20.
- Armbruster, Fred C., Shreveport, La., assignor to The Southwestern Pipe Joint & Engineering Co., Birmingham, Ala. Joint construction. 1,690,047; Oct. 30.
- Armbruster, William J., St. Louis, Mo. Wall. 1,658,154; Feb. 7.
- Armentrout, Arthur L., and E. B. Hall, McKittrick, Calif. Rotary core-drill attachment. 1,656,809; Jan. 17.
- Armitage, Alfred E., Jubilee, New Westminster, British Columbia, Canada. Plumber's joint-wiping device. 1,656,131; Jan. 10.
- Armitage, Frederick L., Devonport, near Auckland, New Zealand. Apparatus for Pasteurizing and deodorizing cream. 1,680,720; Aug. 14.
- Armitage, Joseph B., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Power-transmitting mechanism. 1,670,794; May 22.
- Armour & Company. (See Bothwell, C. L., and Barton, assignors.)
- Armour & Company. (See Jordan, Isaac N., assignor.)
- Armour & Company. (See Powell, Jesse R., assignor.)
- Armour Fertilizer Works. (See MacDowell, C. H., and Meyers, assignors.)
- Armour, John S., assignor to The Campbell Hausfeld Company, Harrison, Ohio. Oil strainer. 1,682,655; Aug. 28.
- Arms, Ray W., assignor to Roberts and Schaefer Company, Chicago, Ill. Dry separating table. 1,665,249; Apr. 10.
- Arms, Ray W., assignor to Roberts and Schaefer Company, Chicago, Ill. Dry-separating machine. 1,695,569; Dec. 18.
- Arms, Ray W., assignor to Roberts & Schaefer Company, Chicago, Ill. Dust-collecting system for dry-cleaning tables. 1,695,570; Dec. 18.
- Armson, Albert J., Port Huron, Mich., assignor to The Armson Exhaust Heating Company, Cleveland, Ohio. Exhaust-treating apparatus for steam-power. 1,671,503; May 29.
- Armson, Albert J., Port Huron, Mich., assignor to The Armson Exhaust Heating Company, Cleveland, Ohio. Exhaust-treating apparatus for steam-power plants. 1,692,019; Nov. 20.
- Armson, Albert J., Port Huron, Mich., assignor to The Armson Exhaust Heating Company, Cleveland, Ohio. Exhaust-treating apparatus for steam-power plants. 1,692,020; Nov. 20.
- Armson Exhaust Heating Company, The. (See Armson, Albert J., assignor.)
- Armspear Manufacturing Company. (See Spear, Furman D., assignor.)
- Armstrong, Alan, Tynemoth, assignor to Pilkington Brothers Limited, Liverpool, England. Production of welded wire fabric and apparatus therefor. 1,661,156; Mar. 6.
- Armstrong, Arthur N., assignor of one-half to H. J. Sommers, Norwich, N. Y. Electric steam generator. 1,657,144; Jan. 24.
- Armstrong, Arthur N., assignor of one-half to H. J. Sommers, Norwich, N. Y. Striker attachment for animal traps. 1,678,898; July 31.
- Armstrong Bros. Tool Co. (See Armstrong, Paul, assignor.)
- Armstrong, Charles C., Huntington, W. Va. Stove. 1,663,151; Mar. 20.
- Armstrong, Charles C., Huntington, W. Va. Electric stove. 1,669,802; May 15.
- Armstrong, Charles C., Huntington, W. Va. Stove. 1,669,803; May 15.
- Armstrong, Charles D., Woonsocket, R. I. Priming device for internal-combustion engines. 1,686,361; Oct. 2.
- Armstrong, Clifford G., assignor of one-half to H. C. Armstrong, Meriden, Conn. Safety device for foot-power presses. 1,684,569; Sept. 18.
- Armstrong Cork Company. (See Busch, Herman F., assignor.)
- Armstrong Cork Company. (See Humphreys, Eric J., assignor.)
- Armstrong Cork Company. (See Wenrich, Calvin N., assignor.)
- Armstrong, Edward P. (See Ricker, J. B., Person, and Armstrong.)
- Armstrong, Edward P., Portland, Oreg. Saw swage. 1,657,735; Jan. 31.
- Armstrong, Edward P., Portland, Oreg. Gang saw. 1,679,595; Aug. 7.
- Armstrong, Edward R., Hollyoak, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plating apparatus and product thereof. 1,672,402; June 5.
- Armstrong, Edward R., Hollyoak, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for casting composition sheets. 1,672,403; June 5.
- Armstrong, Edward R., assignor to F. O. Schoedinger, Columbus, Ohio. Adjustable shelf support. 1,683,228; Sept. 4.
- Armstrong, Edwin H., Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wave signaling system. 1,675,323; July 3.
- Armstrong, Edwin J., Erie, Pa., assignor, by mesne assignments, to Bucyrus-Erie Company, South Milwaukee, Wis. Steering apparatus for motor-driven vehicles. 1,685,306; Sept. 25.
- Armstrong, Eliot, assignor to Niagara Metal Stamping Corporation, Niagara Falls, N. Y. Tent pin, stake, or the like. 1,661,867; Mar. 6.
- Armstrong, Frank C., Larchmont, N. Y. Carton for playing cards. 1,685,798; Oct. 2.
- Armstrong, Frank H., Green Bay, Wis. Shoveling machine. 1,669,688; May 15.
- Armstrong, Frederick A., Kirksville, Mo. Nipple applicator. 1,676,236; July 10.
- Armstrong, George J., Minneapolis, Minn. Confectionery machine. 1,667,763; May 1.
- Armstrong, George J., Raymond, Alberta, Canada. Liquid-dispensing container. 1,694,304; Dec. 4.
- Armstrong, Harrison J., St. Louis, Mo. Cigarette and match-box holder. Des. 75,400; June 5.
- Armstrong, Harry Y., Syracuse, N. Y., assignor, by mesne assignments, of one-half to American Machine and Foundry Company. Wrapping machine. 1,660,854; Feb. 28.
- Armstrong, Henry W. (See Ricker, J. B., Person, and Armstrong.)
- Armstrong, Henry W., and H. Geruldsen, Bristol, assignors to The National Marine Lamp Co., Forestville, Conn. Combined mooring bit and navigation light. 1,668,544; May 8.
- Armstrong, Herbert C. (See Armstrong, Clifford G., assignor.)
- Armstrong, Howard, Humberstone, Ontario, Canada. Brake for conveyers. 1,696,072; Dec. 18.
- Armstrong, John A., and G. O. Benson, assignors to Niagara Metal Stamping Corporation, Niagara Falls, N. Y. Clamping device. 1,661,868; Mar. 6.
- Armstrong, John N., New Castle, Pa. Dirigible headlight. 1,686,401; Oct. 2.
- Armstrong, Joseph, Allston, assignor to American Moistening Company, Boston, Mass. Humidifier. 1,675,782; July 3.
- Armstrong, Lyman P., San Jose, Calif. Convertible furniture. 1,676,514; July 10.
- Armstrong, Morgan K., Winnetka, Ill. Plaster board. 1,659,072; Feb. 14.
- Armstrong, Morgan K., Hampton, Va., assignor, by mesne assignments, to United States Gypsum Company. Making plaster board. Re16,860; Jan. 24.
- Armstrong, Morgan K., Hampton, Va., assignor, by mesne assignments, to United States Gypsum Company. Apparatus for making plasterboard. Re16,969; May 22.
- Armstrong, Orlan G., Alliance, Ohio. Exhaust manifold. 1,655,082; Jan. 3.
- Armstrong, Paul, assignor to Armstrong Bros. Tool Co., Chicago, Ill. Pipe wrench. 1,676,210; July 3.
- Armstrong, Percy A. E., New York, N. Y. Ferrous alloy. 1,687,486; Oct. 16.
- Armstrong, Percy A. E., Loudonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Stable-surface iron-chromium-silicon alloy. 1,686,223; Oct. 2.
- Armstrong, Raymond W. (See McCabe, I. E., and Armstrong.)
- Armstrong, Raymond W., and I. E. McCabe, Chicago, Ill.; said Armstrong assignor to The Arcless Contact Company. Mercury switch. 1,658,013; Jan. 31.
- Armstrong, Ulysses S., New Kensington, assignor to Armstrong & White, Pittsburgh, Pa. Filing device. 1,666,229; Apr. 17.
- Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Wear-compensating unit for rail joints. 1,656,552; Jan. 17.
- Armstrong, Victor C., Hackensack, N. J., assignor to The Rail Joint Company, New York, N. Y. Reinforced step rail joint. 1,663,619; Mar. 27.
- Armstrong & White. (See Armstrong, Ulysses S., assignor.)
- Arnao, Peter, Brooklyn, N. Y. Baby crib. Des. 74,587; Mar. 6.
- Arnberg, Wilhelm T., Liljeholmen, Sweden. Apparatus for the treatment of organisms with electrical currents. 1,667,451; Apr. 24.
- Arndt, Franklin E., assignor to The Gallion Iron Works & Mfg. Co., Gallion, Ohio. Leaning-wheel grader. 1,655,303; Jan. 3.
- Arndt, Franklin E., assignor to The Gallion Iron Works & Mfg. Co., Gallion, Ohio. Scraper. 1,679,393; Aug. 7.
- Arndt, Franklin E., assignor to The Gallion Iron Works & Mfg. Co., Gallion, Ohio. Bottom lifting and equalizing mechanism for road graders. 1,679,394; Aug. 7.
- Arndt, Franklin E., assignor to The Gallion Iron Works & Mfg. Co., Gallion, Ohio. Leaning-wheel grader. 1,679,803; Aug. 7.
- Arndt, Franklin E., assignor to The Gallion Iron Works & Mfg. Co., Gallion, Ohio. Bolster. 1,684,302; Sept. 11.
- Arndt, Hermann, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, Germany. Automatic section block system for railroads. 1,665,008; Apr. 3.
- Arndt, Hermann, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic block-signal system. 1,695,313; Dec. 18.

- Arndt, John P., assignor to Line Material Company, South Milwaukee, Wis. Pin for insulators. 1,670,429; May 22.
- Arnesen, Charlotte, Chicago, Ill. Thermostatic switch plug. 1,689,007; Oct. 23.
- Arnett, Albert C. (See Shawen, E. W., and Arnett.)
- Arnett, Richard W., Inglewood, Calif. Combined graphophone reproducer and radioreceiver. 1,659,128; Feb. 14.
- Arnold, Albert W. (See Feaster, E. B., and Arnold.)
- Arnold, Carl, Nuremberg, Germany. Pocket lamp. 1,655,304; Jan. 3.
- Arnold, Carl, Nuremberg, Germany. Spark-producing figure wheeled toy. 1,678,797; July 31.
- Arnold, Carl, Nuremberg, Germany. Interchangeable transparent disk on spark-producing toys with changing pictures. 1,685,411; Sept. 25.
- Arnold, Carl, Nuremberg, Germany. Spark-producing toy. 1,685,412; Sept. 25.
- Arnold, Carl, Nuremberg, Germany. Spark-producing toy with changing colors. 1,689,220; Oct. 30.
- Arnold, Carl, Nuremberg, Germany. Spark toy. 1,692,146; Nov. 20.
- Arnold, Carl, Nuremberg, Germany. Spark-producing toy with rack-operated driving mechanism and changing colors. 1,692,147; Nov. 20.
- Arnold, Carl, Nuremberg, Germany. Spark toy. 1,692,148; Nov. 20.
- Arnold, Carl, Nuremberg, Germany. Illuminated top. 1,692,802; Nov. 27.
- Arnold, Charles L., Bardstown, Ky. Railroad crosstie. 1,683,013; Sept. 4.
- Arnold, Edward W., North Abington, Mass. Welting. 1,682,465; Aug. 28.
- Arnold, Edward W., North Abington, Mass. Welting. 1,692,533; Nov. 20.
- Arnold, Edward, and H. Templeton, Yakima, Wash. Box cover. 1,695,222; Dec. 11.
- Arnold, Edwin E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,678,843; July 31.
- Arnold Electric Company. (See Blish, R. A., and Poplawski, assignors.)
- Arnold Electric Company. (See Flegel, Harrison D., assignor.)
- Arnold Electric Company. (See Pursell, Arthur T., assignor.)
- Arnold, Ernest J. (See Arnt, H. P., and Arnold.)
- Arnold, Felix, Santa Barbara, Calif. Swimming device. 1,663,328; Mar. 20.
- Arnold, Felix, Santa Barbara, Calif. Steering propeller for aeroplanes, dirigibles, submarines, and the like. 1,670,923; May 22.
- Arnold, Frank, and W. Randolph, Oakland, Calif. Rotary pump. 1,667,183; Apr. 24.
- Arnold, Frank D., Humboldt, Iowa. Combined and amplifying megaphone and reflex resonator for sound-emitting machines. 1,681,208; Aug. 21.
- Arnold, Frank J., Brooklyn, N. Y. Button. Des. 74,468; Feb. 21.
- Arnold, Frank J., Brooklyn, N. Y. Button. Des. 75,461; June 12.
- Arnold, Frank J., Brooklyn, N. Y., assignor to The Whitehead & Hoag Company, Newark, N. J. League button. Des. 74,339; Feb. 7.
- Arnold, Frederick C. (See Haase, H. H., and Arnold.)
- Arnold, Herman A. (See Arnold, John L. and H. A.)
- Arnold, Hubert, Calgary, Alberta, Canada. Knife. 1,680,001; Aug. 7.
- Arnold, John L. and H. A., Canton, Ohio. Detachable sign for automobiles. 1,690,156; Nov. 6.
- Arnold, John W. (See Hunter, S. R., and Arnold.)
- Arnold, Max, assignor to Herman Scheuer's Son & Co., New York, N. Y. Lady's hand bag. Des. 74,957; Apr. 24.
- Arnold, Oscar M. (See Bascom, H. M., Arnold, and Pentland.)
- Arnold Print Works. (See de Göncz, Denis, assignor.)
- Arnold Print Works. (See de Göncz, D., and Jones, assignors.)
- Arnold, Roy J. (See Smith, R. E., and Arnold.)
- Arnold, Samuel L., Boulder, Mont. Fish-stop screen. 1,658,875; Feb. 14.
- Arnold, Samuel, 3d, Ben Avon, Pa. Electric furnace and operating mechanism therefor. 1,680,237; Aug. 7.
- Arnold, Stanfield N. (See Nellis, J. J., and Arnold.)
- Arnolds, Werner, Porta Westfalen, Germany, assignor to F. H. Westerschulte, Chicago, Ill. Vehicle spring. 1,664,655; Apr. 3.
- Arnout, James L., et al. (See Watkins, Irah J., assignor.)
- Arnstein, Karl, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Hollow girder for light structures. 1,656,810; Jan. 17.
- Arnstein, Karl, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Hull structure for rigid airships. 1,662,021; Mar. 6.
- Arnstein, Karl, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Assemblage-point device. 1,665,872; Apr. 10.
- Arnstein, Karl, Friedrichshafen, Germany, and E. A. Lehman, Akron, Ohio, assignors to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Gas cell for airships. 1,658,876; Feb. 14.
- Arnstein, Karl, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Airship hull. 1,673,481; June 12.
- Arnstein, Karl, Akron, Ohio, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Rigid airship. 1,669,592; May 15.
- Arnstein, Leonard A., New York, N. Y. Bottle-capping machine. 1,661,401; Mar. 6.
- Arnt, Herald P., Lakewood, assignor of one-fourth to C. B. Muller, Cleveland, Ohio. Hollow-spoke end connection. 1,666,615; Apr. 17.
- Arnt, Herald P., Lakewood, and E. J. Arnold, assignors of one-fourth to C. B. Muller, Cleveland, Ohio. Tubular spoke and method of making it. 1,687,487; Oct. 16.
- Arnt, Herald P., Jackson, Mich. Making reinforced tubular spokes. 1,685,832; Oct. 2.
- Arntzen, Ole B., Wichita, Kans. Door-actuating spring. 1,655,685; Jan. 10.
- Aron Electric Razor Company. (See Aron, William P., assignor.)
- Aron, William P. (See Gahagan, H. I., and Aron.)
- Aron, William P., Dallas, Tex., assignor to Aron Electric Razor Company, Newark, N. J. Electrical safety razor. 1,659,905; Feb. 21.
- Aron, William P., Dallas, Tex., assignor, by mesne assignments, to The Whisk Razor Corporation, Buffalo, N. Y. Blade. 1,676,001; July 3.
- Aronson, Louis V., Newark, N. J. Lighter. Des. 74,248; Jan. 17.
- Aronson, Louis V., Newark, N. J. Changeable exhibitor. 1,664,962; Apr. 3.
- Aronson, Louis V., Newark, N. J. Top. 1,673,435; June 12.
- Aronson, Louis V., Newark, N. J. Cigar lighter. 1,673,727; June 12.
- Aronson, Louis V., Newark, N. J., assignor to Voices Incorporated. Talking toy mechanism. 1,667,093; Apr. 24.
- Aronson, Louis V., Newark, N. J., assignor to Voices Incorporated. Sound device. 1,667,094; Apr. 24.
- Aronson, Louis V., Newark, N. J., assignor to Voices Incorporated. Sound device. 1,667,095; Apr. 24.
- Aronson, Louis V., Newark, N. J., assignor to Voices Incorporated. Sound device. 1,667,096; Apr. 24.
- Aronson, Louis V., Newark, N. J. Motor-actuated toy. 1,692,242; Nov. 20.
- Aronson, Peter A., Bridgeport, Conn., assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 1,671,921; May 29.
- Aronstam, Harry. (See Glowitz, Benjamin, assignor.)
- Arp, Frank E., Chicago, Ill. Gear-shifting apparatus. 1,660,289; Feb. 21.
- Arpin, Edmund P., jr., Fort Edwards, Wis. Rotary reamer. 1,689,190; Oct. 30.
- Arras, George, Chicago, Ill. Electric-fixture clamp. 1,677,164; July 17.
- Arras, George, Chicago, Ill. Electric fixture. 1,686,362; Oct. 2.
- Arrasmith, Claude C., and H. D. Markwell, Edmonds, Wash. Valve. 1,656,132; Jan. 10.
- Arrow Electric Company, The. (See Carlson, Johannes R., assignor.)
- Arrow Electric Company, The. (See Nero, Arvid H., assignor.)
- Arrow Electric Company, The. (See Wyrfel, Samuel P., assignor.)
- Arrowood, Reuben H., assignor of one-half to M. M. Mier, Los Angeles, Calif. Cutter for ice cream and similar products. 1,677,115; July 10.
- Arrowsmith, John W., Center Line, Mich. Telephone attachment. 1,670,228; May 15.
- Arsem, William C., assignor to Industrial Technics Corporation, Schenectady, N. Y. Preparation of levulose from purified dahlia juice. 1,663,233; Mar. 20.
- Arsem, William C., assignor to Industrial Technics Corporation, Schenectady, N. Y. Levulose from soluble non-sugar carbohydrates of the dahlia. 1,663,234; Mar. 20.
- Arsenault, Olaus, assignor of one-half to A. C. Potter, Webster, Mass. Blow-out patch. 1,673,482; June 12.
- Artas, Edward, Ellsworth, Kans. Motor-truck loader. 1,655,686; Jan. 10.
- Art Cage Manufacturing Company. (See Markow, Bernard, assignor.)
- Artcraft Metal Stamping Corporation. (See Aglow, Harry, assignor.)
- Artcraft Metal Stamping Corporation. (See Shapiro, Theodore, assignor.)
- Artemas Ward Inc. (See Giles, Harvey, assignor.)
- Arthur, Harry R., assignor to The Edwin F. Guth Company, St. Louis, Mo. Globe for lighting fixtures. Des. 75,602; June 26.
- Arthur, Harry R., assignor to The Edwin F. Guth Company, St. Louis, Mo. Globe for lighting fixtures. Des. 76,846; Nov. 13.
- Arthur, James L., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Variable-resistance switch. 1,683,280; Sept. 4.

- Arthur, Richard S., New York, N. Y., assignor to Kalyptol Products Inc. Vending machine. 1,666,884; Apr. 24.
- Artigue, Pierre, Los Angeles, Calif. Method and apparatus for producing composite motion pictures. 1,669,407; May 15.
- Art in Buttons Incorporated. (See Noyes, Henry T., assignor.)
- Art in Buttons Incorporated. (See Noyes, H. T., and Stanforth, assignors.)
- Art In Buttons, Inc. (See Stanforth, Richard, assignor.)
- Artistic Brass & Bronze Works, Inc. (See Perlmutter, Henry A., assignor.)
- Artistic Brass & Bronze Works, Inc. (See Poritz, Frederick M., assignor.)
- Artizan Factories, Inc. (See Maerten, Christian, assignor.)
- Art Lamp and Novelty Company, The. (See Foley, John J.)
- Artlite, Inc. (See McGunnigle, Harold A., assignor.)
- Art Metal Construction Company. (See Ulrich, Charles B., assignor.)
- Art Metal Construction Company. (See Sampson, Erick, sr., assignor.)
- Art Metal Screen and Weather Strip Company. (See Shogren, Charles A., assignor.)
- Artotex Corporation, The. (See Aeschbach, Friedrich, assignor.)
- Arton, Sven, Chicago, Ill. Cash register. 1,677,510; July 17.
- Arts, Petrus J. T. (See Trouwborst, P. C., Arts, and Schuurman.)
- Art Wire and Stamping Company. (See Wiberg, Peter E., assignor.)
- Arutunoff, Armais, Jackson, Mich. Rotor shaft and bearing support for electric motors. 1,654,774; Jan. 3.
- Arvey Manufacturing Co., The. (See Bushnell, Oscar F., assignor.)
- Arvey Manufacturing Co., The. (See Hall, Richard E., assignor.)
- Arvey Manufacturing Co. (See Hawley, Jesse B., assignor.)
- Arvid, Joseph S., Co. (See Auerbach, Joseph B., assignor.)
- Arvin, J. A. (See Adams, R., Noller, and Arvin.)
- Arzt, Frederick W., Homestead, Fla. Floor jointing or tightening device. 1,665,430; Apr. 10.
- Asaro, Philip T., San Jose, Calif. Chemical fish. 1,659,129; Feb. 14.
- Asbestos Shingle, Slate & Sheathing Company. (See Frey, Ralph E., assignor.)
- Asbestos Shingle, Slate & Sheathing Company. (See Mattison, Richard V., assignor.)
- Asbestos Wood & Shingle Co. (See MacIldowie, John C., assignor.)
- Asbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Manchester, England. Grinding of gear-wheel teeth. 1,666,955; Apr. 24.
- Asbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Manchester, England. Grinding of gear-wheel teeth. 1,689,274; Oct. 30.
- Asbury, Dorsey F., et al. (See Gibson, Howard S., assignor.)
- Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,656,092; Jan. 10.
- Asbury, Dorsey F., Broomes Island, Md. Preventing leakage. 1,663,035; Mar. 20.
- Asbury, Dorsey F., Broomes Island, Md. Radio apparatus. 1,675,018; June 26.
- Asbury, Dorsey F., Broomes Island, Md. Gearing. 1,676,421; July 10.
- Asbury, Dorsey F., Washington, D. C. Operator for tuning units of radio apparatus. 1,660,363; Feb. 28.
- Asbury, Dorsey F., Washington, D. C. Explosive engine of the rotating-cylinder type. 1,683,229; Sept. 4.
- Ascarelli, Enrico, Rome, Italy. Swiveled axle for motor cars. 1,694,305; Dec. 4.
- Asch, Andrew J., New York, N. Y. Electric furnace. 1,661,026; Feb. 28.
- Aseltine, Fred E., assignor to General Motors Research Corporation, Dayton, Ohio. Carburetor. 1,672,192; June 5.
- Aseltine, Fred E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Engine governor. 1,658,547; Feb. 7.
- Ash, Charles F., jr., Valley Station, Ky. Wrench. 1,691,326; Nov. 13.
- Ash, Charles S., Detroit, Mich. Disk wheel. 1,675,630; July 3.
- Ash, Charles S., Royal Oak, Mich. Wire spoke and the like. 1,660,319; Feb. 28.
- Ash, Charles S., Royal Oak, Mich. Wheel structure. 1,664,765; Apr. 3.
- Ash, Charles S., Royal Oak, Mich. Motor vehicle. 1,669,731; May 15.
- Ash, Elmer E., Los Angeles, Calif. Furniture construction. 1,686,116; Oct. 2.
- Ash, Henry C., Duluth, Minn. Receptacle. 1,692,794; Nov. 20.
- Ash, Louis R., Kansas City, Mo. Rope anchor for lift bridges. 1,671,693; May 29.
- Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,662,559; Mar. 13.
- Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,665,901; Apr. 10.
- Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,687,855; Oct. 16.
- Ashbridge, Noel, Wanstead, England, assignor to Radio Corporation of America. Resistance coil. 1,666,066; Apr. 17.
- Ashbrook, Murray A., El Reno, Okla. Envelope holder. 1,659,509; Feb. 14.
- Ashby, Brodie H. (See Neitzel, Conrad T., assignor.)
- Ashcraft, Clarence S., Los Angeles, Calif. Arc lamp. 1,684,655; Sept. 18.
- Ashcroft, Robert E., Nucla, Colo. Wrench. 1,664,391; Apr. 3.
- Ashe, William O., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,656,717; Jan. 17.
- Ashe, William O., assignor to Nathan Manufacturing Company, New York, N. Y. Water column. 1,689,191; Oct. 30.
- Ashe, William O., and H. M. Pfleger, St. Louis, Mo., assignors to Commonwealth Steel Company, Granite City, Ill. Railway-vehicle structure. 1,663,036; Mar. 20.
- Ashenhurst, Harold S. (See Govan, J., and Ashenhurst.)
- Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation, Chicago, Ill. Insulating buildings. 1,654,522; Jan. 3.
- Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation, Chicago, Ill. Cellular building block. 1,671,216; May 29.
- Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation, Chicago, Ill. Insulated wall. 1,671,266; May 29.
- Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation, Chicago, Ill. Floor fill and installing the same. 1,674,628; June 26.
- Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation, Chicago, Ill. Monolithic wall and building the same. 1,680,837; Aug. 14.
- Ashenhurst, Harold S., assignor, by mesne assignments, to Insulex Corporation, Chicago, Ill. Insulated roof. 1,684,527; Sept. 18.
- Asher, Harry, London, England. Detachable heel for boots and shoes. 1,685,871; Oct. 2.
- Asher, Wade H., Reedley, Calif., assignor to J. M. Cartwright, doing business as J. Cartwright & Son. Grape-cutting device. 1,675,240; June 26.
- Ashkenas, Abraham, Brooklyn, N. Y. Screen. Des. 74,958; Apr. 24.
- Ashkenas, Abraham, Brooklyn, N. Y. File and binder. 1,663,967; Mar. 27.
- Ashley, Charles H., and L. H. Philleo, Los Angeles, Calif. Towel holding and dispensing cabinet. 1,696,184; Dec. 25.
- Ashley, Enos, Minneapolis, Minn. Automobile heater. 1,662,486; Mar. 13.
- Ashley, Frank M. (See Benz, A. R., and Ashley.)
- Ashley, Frank M., Brooklyn, N. Y. Fountain pen. 1,685,413; Sept. 25.
- Ashley, Frank M., Brooklyn, N. Y. Fountain pen. 1,685,414; Sept. 25.
- Ashley, George C., San Francisco, Calif. Decorating transparent surfaces. 1,683,282; Sept. 4.
- Ashman, Robert A., Represa, Calif., assignor to G. H. and M. M. Kelch, Carburetor. 1,656,657; Jan. 17.
- Ashmun, Harry S. (See Titcomb, L. R., and Ashmun.)
- Ashrabula Bow Socket Company, The. (See Leach, S. J., and Eberle, assignors.)
- Ashton, George M., Detroit, Mich. Towing device for automobiles. 1,657,655; Jan. 31.
- Ashton, James T., assignor to Nichols & Shepard Company, Battle Creek, Mich. Shaker mechanism in agricultural devices. 1,682,733; Sept. 4.
- Ashton, Richard A., assignor to Seneca Falls Machine Co., Seneca Falls, N. Y. Tool carriage and slide for machine tools. 1,680,833; Aug. 14.
- Ashton, Richard A., assignor to Seneca Falls Machine Co., Seneca Falls, N. Y. Tailstock for lathes. 1,689,709; Oct. 30.
- Ashton, Richard A., assignor to Seneca Falls Machine Co., Seneca Falls, N. Y. Multiple tool slide for machine tools. 1,689,710; Oct. 30.
- Ashton, Richard A., assignor to Seneca Falls Machine Co., Seneca Falls, N. Y. Multiple tool slide for machine tools. 1,689,711; Oct. 30.
- Ashton Valve Company, The. (See Motherwell, Joseph, W., assignor.)
- Ashton, William S., assignor to Hood Rubber Company, Watertown, Mass. Boot-tree or last. 1,679,016; July 31.
- Ashworth, Fred N., Somerville, Mass. Collar button. 1,674,878; June 26.
- Ashworth, George B., Amsterdam, N. Y. Locomotive trailing truck. 1,679,147; July 31.
- Ashworth, John W., New York, N. Y. Advertising device. 1,656,367; Jan. 17.
- Ashworth, Percy B., Cam, assignor to R. A. Lister & Company, Limited, Kursley, Gloucestershire, England. Tank for inflammable liquids. 1,691,509; Nov. 13.

- Asiatic Petroleum Company. (See Lawson, Joseph, assignor.)
- Asire, Horace W., assignor to General Motors Research Corporation, Dayton, Ohio. Intake manifold. 1,683,281; Sept. 4.
- Askania-Werke A.-G. vormalis Centralwerkstatt Dessau und Carl Bamberg-Friedenau et al. (See Stoecker, J., and Rein, assignors.)
- Aske, Irving E., Duluth, Minn. Fuel heater. 1,690,520; Nov. 6.
- Aske, Leonard E., Duluth, Minn. Manifold heater. 1,664,727; Apr. 3.
- Aske, Leonard E., Duluth, Minn. Electric heater or fumer. 1,671,974; June 5.
- Askew, Harvey H., and J. H. Askew, deceased, San Bernardino, Calif.; I. N. Askew, administratrix. Pressure-retaining valve. 1,656,811; Jan. 17.
- Askew, Ida N., administratrix. (See Askew, Harvey H. and J. H.)
- Askew, James H. (See Askew, Harvey H. and J. H.)
- Askew, John A., Little Rock, Ark. Dental facing and backing. 1,659,510; Feb. 14.
- Asleson, Albert, Redwood Falls, Minn. Cataract absorber. 1,681,653; Aug. 21.
- Asleson, Albert, Redwood Falls, Minn. Cataract absorber. 1,681,654; Aug. 21.
- Asphalt Products Co., Inc., The. (See Cone, Ralph R., assignor.)
- Aspinall, Albert C., Chiswick, London, and L. E. Cowey, Kew Gardens, England. Ticket-issuing apparatus. 1,668,186; May 1.
- Aspinwall, Louis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,689,849; Oct. 30.
- Aspinwall, Robert S., Detroit, Mich. Combined porch lantern and supporting bracket. Des. 76,367; Sept. 25.
- Aspinwall, Robert S., Detroit, Mich. Porch lantern and number-plate support. 1,660,026; Feb. 21.
- Aspis, Samuel, London, England. Combination of hand bag or like portable receptacle and collapsible photographic camera. 1,656,852; Jan. 17.
- Asplund, William E., Deer Park, Wis. Rock-gathering machine. 1,681,457; Aug. 21.
- Asprooth, Axel H.J. (See Leoni, A. M., and Asprooth.)
- Asprooth, Axel H., Baltimore, Md., and A. M. Leoni, assignors to Electro-Motive Devices, Inc., Philadelphia, Pa. Effecting power transmission. 1,678,798; July 31.
- Asprooth, Axel H., Baltimore, Md., and A. M. Leoni, assignors to Electro-Motive Devices, Inc., Philadelphia, Pa. Two-motor drive for vehicles. 1,678,799; July 31.
- Asquith, William, Limited. (See Feather, George, assignor.)
- Asselin, Joseph H., Waterbury, Conn. Combination stool and stepladder. 1,677,610; July 17.
- Assiter, Stephen H., Floydada, Tex. Cotton-cleaning machine. 1,667,505; Apr. 24.
- Associated Attleboro Manufacturers, Inc., The. (See Wal-lenthin, Walfrid, assignor.)
- Associated Merchandising Corporation. (See Lavault, André assignor.)
- Associated Oil Company. (See Bell, Arthur F. L., assignor.)
- Associated Oil Company. (See Hanna, G. Dallas, assignor.)
- Associated Oil Company et al. (See Ihrig, Harry K., assignor.)
- Associated Silver Company. (See Lashar, Thomas B., assignor.)
- Association of Rebekah Assemblies. (See Sullivan, Ionia M., assignor.)
- Assorati, Antenor, New York, N. Y. Game apparatus. 1,657,912; Jan. 31.
- Astafiev, Michael, Chelsea, London, England. Optical system. 1,662,693; Mar. 13.
- Astle, William. (See Neal, S. G., Astle, and Wilson.)
- Astle, William, Brooklyn, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. 1,689,221; Oct. 30.
- Astle, William, Brooklyn, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Vent valve for air-brake apparatus. 1,690,766; Nov. 6.
- Astley, Edward F., assignor to H. M. Seyer, Chicago, Ill. Brush. 1,676,812; July 10.
- Astley, Edward F., assignor to H. M. Seyer, Chicago, Ill. Brush. 1,693,329; Nov. 27.
- Astley, Edward F., assignor to H. M. Seyer, Chicago, Ill. Fountain brush. 1,693,330; Nov. 27.
- Astley, Edward F., assignor to H. M. Seyer, Chicago, Ill. Brush. 1,694,306; Dec. 4.
- Astley, James F., Camden, N. J. Wrench. 1,661,402; Mar. 6.
- Astola, Elmer, Deep River, Wash. Agricultural machine. 1,689,192; Oct. 30.
- Astrom, John, Fort Wayne, Ind. Internal-combustion engine. 1,664,056; Mar. 27.
- Astrom, John, assignor to Fort Wayne Engineering & Mfg. Co., Fort Wayne, Ind. Water-softening device. 1,656,896; Jan. 24.
- Astrom, John, assignor to Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Pump. 1,671,565; May 20.
- Astrom, John, assignor of one-half to Deister Machine Company, Fort Wayne, Ind. Apparatus for treating liquids. 1,688,915; Oct. 23.
- Atamian, Krikor, Coram, Mont. Dusting brush. 1,659,622; Feb. 21.
- Athans, John M., New York, N. Y. Service table. 1,679,017; July 31.
- Atherton, Alfred L. (See Smith, B. H. Atherton, and Greibach.)
- Atherton, Alfred L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,657,452; Jan. 31.
- Atherton, Alfred L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Impulse lightning arrester. 1,683,590; Sept. 11.
- Atherton, Alfred L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing means for hot-cathode rectifiers. 1,696,025; Dec. 18.
- Athey, Isaac H., assignor, by mesne assignments, to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,659,073; Feb. 14.
- Athey Truss Wheel Co. (See Athey, Isaac H., assignor.)
- Athon, Walter C., Lavoie, Wyo. Toothbrush holder. 1,696,706; Dec. 25.
- Athimon, Francis, Paris, France. Control means for clutches, brakes, and the like. 1,692,070; Nov. 20.
- Atkins, E. C., & Company. (See Gommel, Dewey E., assignor.)
- Atkins, E. C., & Company. (See Pribnow, John F., assignor.)
- Atkins, E. C., & Company. (See St. Clair, O., and Watson, assignors.)
- Atkins, Earl F., Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Spring collet chuck. 1,665,250; Apr. 10.
- Atkins, Frank P., assignor to Atkins & Pearce Manufacturing Company, Cincinnati, Ohio. Candlewick. 1,671,267; May 29.
- Atkins & Pearce Manufacturing Company. (See Atkins, Frank P., assignor.)
- Atkinson, Clarence G., Shelburne, Nova Scotia, Canada. Valve. 1,674,879; June 26.
- Atkinson, Floyd C., Western Port, Md. Tip for crutches and canes. 1,663,622; Mar. 27.
- Atkinson, Fred S., Brookline, Mass. Mechanically-simulated baseball game. 1,673,660; June 12.
- Atkinson, Herbert E., Rochester, N. Y. Valve. 1,681,209; Aug. 21.
- Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. 1,688,324; Oct. 23.
- Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. 1,692,195; Nov. 20.
- Atkinson, James S., London, England, assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Reversible regenerative furnace. 1,675,588; July 3.
- Atkinson, Jerome T., Bayside, N. Y. Stabilizer for bed-springs. 1,696,291; Dec. 25.
- Atkinson & Long Mfg. Co. (See Long, Allen T., assignor.)
- Atkinson, Ralph W., Perth Amboy, N. J., assignor, by mesne assignments, to General Cable Corporation. Electric cable. 1,688,954; Oct. 23.
- Atkinson, Ralph W., and G. J. Shurts, Perth Amboy, N. J., assignors, by mesne assignments, to General Cable Corporation. High-tension cable. 1,675,918; July 3.
- Atkinson, Robert L. S., Columbus, Ohio. Battery tool. 1,678,313; July 24.
- Atkinson, William B., deceased, Bowling Green, Ky.; Bowling Green Trust Company, executor, assignor to A. G. Schwab & Sons, Cincinnati, Ohio. Clock attachment. 1,667,685; Apr. 24.
- Atkinson, William H., Washington, D. C. Automobile body. 1,685,264; Sept. 25.
- Atlantic Aircraft Corporation. (See Fokker, Anthony H. G., assignor.)
- Atlantic Lithographic and Printing Company. (See Smith, Peter F., assignor.)
- Atlantic Oil Producing Company. (See Brantly, John E., assignor.)
- Atlantic Refining Company, The. (See Delbridge, T. G., and Dure, assignors.)
- Atlantic Refining Company, The. (See Delbridge, T. G., and Hill, assignors.)
- Atlantic Refining Company, The. (See Hill, Joseph B., assignor.)
- Atlantic Refining Company, The. (See Lewis, Joseph W., Jr., assignor.)
- Atlantic Refining Company, The. (See Smith, L. B., and Jamison, assignors.)
- Atlantic Service Company. (See Laemmel, Charles A., assignor.)
- Atlas Car & Manufacturing Company, The. (See Schellentrager, Eugene W., assignor.)
- Atlas Conveyor Company. (See Reed, Percival K., assignor.)
- Atlas Devices Company. (See Weigle, Edmund, assignor.)
- Atlas, G. & G., Systems, Inc. (See Dinspel, William H., assignor.)
- Atlas Manufacturing Corporation. (See Witt, Murray, assignor.)
- Atlas Powder Company. (See Brown, Kenneth R., assignor.)
- Atlas Powder Company. (See Pratt, Carl D., assignor.)

- Atlas Powder Company. (See Taylor, A. M., and Buote, assignors.)
- Atlas Powder Company. (See Huyett, Daniel D., assignor.)
- Atlas Powder Company. (See Long, Ralph A., assignor.)
- Atlas Powder Company. (See Shipley, Stanley D., assignor.)
- Atlas Press Company. (See Collins, James G., assignor.)
- Atlas Tack Corporation. (See Zachert, Arthur K., assignor.)
- Atlas-Werke Pöhler & Co. (See Abel, August, assignor.)
- Atlas Werke Pöhler & Co. (See Sturm, Wolfgang, assignor.)
- Atmospheric Cooling Co., The. (See Fleming, Norman O., assignor.)
- Atmospheric Nitrogen Corporation. (See Greathouse, Lucien H., assignor.)
- Atmospheric Nitrogen Corporation. (See Heissler, Hugo E., assignor.)
- Atmospheric Nitrogen Corporation. (See Kniskern, Walter H., assignor.)
- Atmospheric Nitrogen Corporation. (See Schultze, William, assignor.)
- Atmospheric Nitrogen Corporation. (See Slade, Roland E., assignor.)
- Atmospheric Nitrogen Corporation. (See Slade, R. E., and Gordon, assignors.)
- Atmospheric Nitrogen Corporation. (See Slade, R. E., and Parke, assignors.)
- Atteberry, Aden R., and I. J. Blalock, assignors of one-third to C. E. Mills, Stapleton, Nebr. Stovepipe. 1,693,428; Nov. 27.
- Attendu, André C., Montreal, Quebec, Canada. Pump control. 1,687,604; Oct. 16.
- Atwater, Harry A., Kansas City, Mo. Oil-burning locomotive furnace. 1,664,099; Mar. 27.
- Atwater, Harry A., assignor to Combustion Equipment Company, Kansas City, Mo. Oil burner. 1,676,813; July 10.
- Atwater, John H., Jamestown, N. Y. Protecting lawns. 1,695,942; Dec. 18.
- Atwater Kent Manufacturing Company. (See Buchholz, René F., assignor.)
- Atwater Kent Manufacturing Company. (See Hartranft, Harry A., assignor.)
- Atwater Kent Manufacturing Company. (See Kingsford, Russell T., assignor.)
- Atwater Kent Manufacturing Company. (See Kingsford, R. T., and Richter, assignors.)
- Atwater Kent Manufacturing Company. (See Rice, H. E., and Da Costa, assignors.)
- Atwell, Harold V., assignor to Standard Oil Company, Whiting, Ind. Liquid seal. 1,664,963; Apr. 3.
- Atwell, Harold V., assignor to Standard Oil Company, Whiting, Ind. Liquid seal. 1,685,516; Sept. 25.
- Atwood, Edwin H., W. E. Wanner, and T. L. Reese, Olean, assignors to Vacuum Oil Company, New York, N. Y. Brushing machine for circular objects. 1,662,995; Mar. 20.
- Atwood, Francis C., Newton, assignor to American Protein Corporation, Boston, Mass. Producing protein products. 1,673,964; June 19.
- Atwood, James T., Rockford, Ill. Manufacturing covered-joint hinges. 1,671,962; June 5.
- Atwood, James T., Rockford, Ill. Manufacturing covered-joint hinge member. 1,688,955; Oct. 23.
- Atwood Machine Company, The. (See Bradley, E. E., and Rowe, assignors.)
- Atwood Vacuum Machine Company, The. (See Kenyon, William C., assignor.)
- Au, Bertha B., et al. (See Au, Carl H., assignor.)
- Au, Carl H., assignor to B. B. Au and J. K. Hoyt, Washington, D. C. Recorder. 1,676,848; July 10.
- Auberlin, William, Northfield, Ohio. Protecting and safety net for the anchorages of drigibles. 1,659,758; Feb. 21.
- Auberlin, William, Northfield, Ohio. Mooring airships to mooring masts. 1,663,645; Mar. 27.
- Auberlin, William, Northfield, Ohio. Airship anchorage. 1,670,707; May 22.
- Auberlin, William, Northfield, Ohio. Airship anchorage. 1,683,323; Sept. 4.
- Auble, James L., assignor of one-half to N. M. Auble and one-half to J. M. Seybold, Toledo, Ohio. Metal-reforming method and apparatus. 1,692,400; Nov. 20.
- Auble, Lawrence, assignor of one-third to C. E. McCarthy and one-third to K. F. Kapf, Toledo, Ohio. Mail-carrier mechanism. 1,685,593; Sept. 25.
- Auble, Nancy M., et al. (See Auble, James L., assignor.)
- Aubrey, Andrew W., Los Angeles, Calif. Towel rack. 1,666,063; Apr. 17.
- Auburn Foundry Corporation. (See Close, Leonard L., assignor.)
- Auchincloss, Samuel S., jr. (See Dexter, R. G., and Auchincloss.)
- Auchincloss, William K., assignor to American Car and Foundry Company, New York, N. Y. Placard and holder therefor. 1,685,080; Sept. 25.
- Auchter, Anton F. A., Pittsburgh, Pa. Safety device for vehicles. 1,696,073; Dec. 18.
- Auditorium Ventilating Corporation. (See Fleisher, Walter L., assignor.)
- Auer, Rudolph W., Philadelphia, Pa. Ornamental fireplace grate. 1,692,021; Nov. 20.
- Auerbach, Joseph B., assignor to Joseph S. Arvid Co., New York, N. Y. Display sign. Des. 75,764; July 17.
- Auerbach, L., and Co. (See Lebrecht, Alfred, assignor.)
- Auero, Emanuel, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Electric motor. 1,688,847; Oct. 23.
- Aug. Nowack Aktiengesellschaft. (See Beutner, Reinhard, assignor.)
- Augenstein, Carl, Cranston, assignor to Automatic Gold Chain Company, Edgewood, R. I. Bracelet hook. 1,675,324; July 3.
- Augenstein, Carl, Cranston, and R. Vogel, Providence, assignors to Automatic Gold Chain Company, Edgewood, R. I. 1,661,869; Mar. 6.
- Augenstein, Carl, Cranston, and R. Vogel, Providence, assignors to Automatic Gold Chain Company, Edgewood, R. I. Chain. 1,664,280; Mar. 27.
- Augenstein, Carl, Cranston, and R. Vogel, Providence, assignors to Automatic Gold Chain Company, Edgewood, R. I. Chain. 1,670,132; May 15.
- Augenstein, Karl, Cranston, assignor to Automatic Gold Chain Company, Providence, R. I. Bracelet end hook. 1,662,628; Mar. 13.
- Augner, Charles E., Floral Park, N. Y. Double-acting four-cycle internal-combustion engine. 1,664,137; Mar. 27.
- August, Johannes R. C. (See Hunter, Edgar K., assignor.)
- August, Nathan, jr., Newark, N. J. Combined faucet and waste fixture. Des. 74,410; Feb. 14.
- Augustine, Roy W., Oak Park, Ill. Rheostat. 1,668,187; May 1.
- Aular, Percy W., assignor to The Titusville Iron Works Company, Titusville, Pa. Valve for pumps. 1,675,082; June 26.
- Aubach, Charles J., assignor to Passaic Metal Ware Company, Passaic, N. J. Container. 1,671,097; May 29.
- Auld, D. L., Company, The. (See Brooks, Stanley G., assignor.)
- Auld, Frederick H., Columbus, Ohio. Veneered panel for radiocabinets. 1,659,309; Feb. 14.
- Aull, Wilson, jr., Astoria, N. Y. Variable condenser. 1,692,607; Nov. 20.
- Aulmann, Theodore, Des Moines, Iowa. Gravel-washing machine. 1,660,589; Feb. 28.
- Aulson, Philip G., Salem, Mass. Frame for leather-spraying devices. 1,696,185; Dec. 25.
- Aumack, Raymond L., Roselle, N. J. Brake-drum mount for motor vehicles. 1,662,810; Mar. 20.
- Auman, John W., Racine, Wis. Method of and apparatus for forming tire and the like tubes. 1,668,390; May 1.
- Aune, Lennie O. (See Johnson, H., and Aune.)
- Auren, Philip C., Worcester, Mass. Holder for balls of crochet cotton. 1,656,464; Jan. 17.
- Aurora Metal Company. (See Le May, John, assignor.)
- Aurynger, John J., Brooklyn, N. Y. Detector condenser. 1,679,341; Aug. 7.
- Ausherman, Harry S. (See Ausherman, William S. and H. S.)
- Ausherman, William S., Talmage, and H. S. Ausherman, Abilene, Kans. Liquid pump. 1,671,663; May 29.
- Auspitzer, Alfred J., Hamburg, Germany, assignor to Research Corporation, New York, N. Y. Agricultural implement. 1,666,841; Apr. 17.
- Austin, Ain, De Kalb, Ill. Elevator and support for wall boards and the like. 1,685,144; Sept. 25.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator pin. 1,657,340; Jan. 24.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator pin. 1,657,341; Jan. 24.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,659,183; Feb. 14.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Forming and tapping machine. 1,663,329; Mar. 20.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. High-tension installation. 1,664,100; Mar. 27.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Forming and threading machine. 1,664,101; Mar. 27.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Cable clamp. 1,666,885; Apr. 24.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Terminal for bushing insulators. 1,670,334; May 22.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Method and apparatus for casting ceramic pieces. 1,679,345; Aug. 7.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator fitting. 1,682,105; Aug. 28.
- Austin, Arthur O., Barborton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator pin and manufacturing the same. 1,682,590; Aug. 28.
- Austin, Arthur O., Barborton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Terminal for bushing insulators. 1,685,662; Sept. 25.

- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulated perch for preventing bird trouble in connection with electric transmission lines. 1,685,663; Sept. 25.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Manufacturing insulator pins. 1,685,833; Oct. 2.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Manufacturing insulator pins. 1,685,834; Oct. 2.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Disconnecting switch for transmission lines. 1,690,357; Nov. 6.
- Austin, Arthur O., Barberton, Ohio, assignor to American Narrow Fabric Company, Worcester, Mass. Insulator pin. 1,690,392; Nov. 6.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Terminal for bushings. 1,691,327; Nov. 13.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Terminal for insulator bushings. 1,691,328; Nov. 13.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. High-tension installation. 1,691,329; Nov. 13.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,691,330; Nov. 13.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulated control. 1,691,751; Nov. 13.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Casing for electrical apparatus. 1,693,265; Nov. 27.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Casting. 1,693,429; Nov. 27.
- Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Casing for electrical apparatus. 1,693,430; Nov. 27.
- Austin, Bascum O., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,682,466; Aug. 28.
- Austin, Bascum O., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating system for cars. 1,687,652; Oct. 16.
- Austin, Basil G., assignor to The Austin Organ Company, Hartford, Conn. Electropneumatic valve mechanism. 1,678,547; July 24.
- Austin, David P. (See Austin, William C., assignor.)
- Austin, Dwight E., assignor to The Pickwick Corporation, Los Angeles, Calif. Valve means. 1,683,813; Sept. 11.
- Austin, Earl C., Bluefield, W. Va. Toilet case. 1,680,196; Aug. 7.
- Austin, Edward, Schenectady, N. Y., assignor to General Electric Company. Carrier-current system. 1,680,759; Aug. 14.
- Austin, Elias N., New York, N. Y., assignor to S. P. U. Corporation, New York, N. Y. Milk dispensing and measuring device. 1,682,363; Aug. 28.
- Austin, Forrest J., Hiawatha, Kans. Low-air-pressure detector and signal inner tube. 1,690,613; Nov. 6.
- Austin, Frederick W., Oldham, England. Needle-guiding device for looms for weaving pile or other fabrics. 1,664,014; Mar. 27.
- Austin, Frederick W., Oldham, England. Tube frame for holding spools of tuft yarn. 1,664,015; Mar. 27.
- Austin, Frederick W., Oldham, England. Loom for weaving tufted pile fabrics and apparatus for use therewith. 1,675,836; July 3.
- Austin, George, Kansas City, Mo. Concrete screen for water wells. 1,674,084; June 19.
- Austin, George C., assignor of one-half to S. C. Carter, Los Angeles, Calif. Piston. 1,659,799; Feb. 21.
- Austin, Gideon R. (See Brown, Frederick W., assignor.)
- Austin, Harry A., Kalamazoo, Mich. Plug for electric-light sockets. 1,684,166; Sept. 11.
- Austin, Henry F., New Orleans, La. Advertising novelty. 1,671,460; May 29.
- Austin, Herbert, Bromsgrove, England. Seat for motor cars and like purposes. 1,681,163; Aug. 21.
- Austin, Herbert A., Worcester, Mass. Fastening loop. 1,677,670; July 17.
- Austin, James G., Price, Utah. Automobile turntable. 1,665,997; Apr. 10.
- Austin, John A., San Francisco, assignor of two-thirds to E. A. Seyler, Oakland, Calif. Bumper-actuated control mechanism. 1,682,731; Sept. 4.
- Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Organ stop action. 1,678,546; July 24.
- Austin, Louis W., Washington, D. C. Electrical circuits. 1,672,018; June 5.
- Austin, Miner M., Waukegan, and C. W. Balke, Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Apparatus for processing wire. 1,688,481; Oct. 23.
- Austin, Nellie F. (See Austin, William S., assignor.)
- Austin Organ Company, The. (See Austin, Basil G., assignor.)
- Austin Organ Company, The. (See Austin, John T., assignor.)
- Austin, Thomas W., and M. F. Swindle, Chandler, Ariz. Trailer hitch. 1,692,071; Nov. 20.
- Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-operated circuit interrupter. 1,680,405; Aug. 14.
- Austin, Walter S., Grand Rapids, Mich. Two-speed axle-gearing construction. 1,689,377; Oct. 30.
- Austin, William C., assignor to D. P. Austin, Philadelphia, Pa. Pattern wheel for knitting machines. 1,687,279; Oct. 9.
- Austin, William E. (See Stein, H., Austin, and Liebowitz.)
- Austin, William J. (See Crummey, J. D., Austin, and Lewis.)
- Austin, William S., assignor of one-half to N. F. Austin, Kansas City, Mo. Attachment for typographical machines. 1,676,516; July 10.
- Austral Window Company. (See Ellison, Edward H., assignor.)
- Autocall Company, The. (See Love, F. B., and Smith, assignors.)
- Autocall Company, The. (See Smith, Boyd H., assignor.)
- Autocar Company, The. (See Brumbaugh, Andrew K., assignor.)
- Autocar Company, The. (See Ward, Arthur C., assignor.)
- Auto-Carburetor Corporation. (See Sorensen, Einar N., assignor.)
- Auto Cradle Company, The. (See Holcombe, J. R., and Dunbar, assignors.)
- Autodex Company. (See Nevin, Donald A., assignor.)
- Auto-Hone Company, The. (See Snyder, William B., assignor.)
- Auto Laundry System Company, The. (See Badaracco, Louis, assignor.)
- Auto Loading Device Manufacturing Company. (See Federman, George C., assignor.)
- Auto Machinery Company Limited, The. (See Leedham, Bernard, assignor.)
- Automat Molding & Folding Company, The. (See Aldrich, J. P., and Morris, assignors.)
- Automatic Advertiser, Incorporated, The. (See Proctor, Barton A., assignor.)
- Automatic Appliance Company, The. (See Mapel, Lewis A., assignor.)
- Automatic Bobbin Cleaner Co. (See Henderson, J. J., and Deering, assignors.)
- Automatic Electric Boiler Co. (See Rochester, Richmond, jr., assignor.)
- Automatic Electric Company. (See Obergfell, Herbert F., assignor.)
- Automatic Electric Control Company, The. (See Dodge, Owen, assignor.)
- Automatic Electric Heater Company. (See Clark, Warren F., assignor.)
- Automatic Electric Inc. (See Bellamy, John I., assignor.)
- Automatic Electric Inc. (See Bellamy, J. I., and Gardner, assignors.)
- Automatic Electric Inc. (See Blessing, John G., assignor.)
- Automatic Electric Inc. (See Crocker, Thomas F., assignor.)
- Automatic Electric Inc. (See Engsberg, Ralph W., assignor.)
- Automatic Electric Inc. (See Erickson, John, assignor.)
- Automatic Electric Inc. (See Gardner, John E., assignor.)
- Automatic Electric Inc. (See Gillings, Charles, assignor.)
- Automatic Electric Inc. (See Gohorel, Fernand, assignor.)
- Automatic Electric Inc. (See Grabe, Georg, assignor.)
- Automatic Electric Inc. (See Homrighous, John H., assignor.)
- Automatic Electric Inc. (See Hudd, Alfred E., assignor.)
- Automatic Electric Inc. (See Hudd, A. E., and Roseby, assignors.)
- Automatic Electric Inc. (See Jacobsen, Emil, assignor.)
- Automatic Electric Inc. (See Jones, Edwin E., assignor.)
- Automatic Electric Inc. (See Lomax, Clarence E., assignor.)
- Automatic Electric Inc. (See Madsen, Fred T., assignor.)
- Automatic Electric Inc. (See Martin, Talbot G., assignor.)
- Automatic Electric Inc. (See Mercer, R., and Tench, assignors.)
- Automatic Electric Inc. (See Mercer, R., Paulett, and Tench, assignors.)
- Automatic Electric Inc. (See Middleton, Donald R., assignor.)
- Automatic Electric Inc. (See Nelson, Martin L., assignor.)
- Automatic Electric Inc. (See Obergfell, Herbert F., assignor.)
- Automatic Electric Inc. (See Obergfell, H. F., and Erickson, assignors.)
- Automatic Electric Inc. (See Ostline, John E., assignor.)
- Automatic Electric Inc. (See Ostline, J. E., and Passmore, assignors.)
- Automatic Electric Inc. (See Passmore, William O., assignor.)
- Automatic Electric Inc. (See Pye, Harold C., assignor.)
- Automatic Electric Inc. (See Ray, Arthur J., assignor.)
- Automatic Electric Inc. (See Ray, A. J., and McEllyea, assignors.)
- Automatic Electric Inc. (See Richardson, Rodney G., assignor.)

- Automatic Electric Inc. (See Richardson, R. G. and Bellamy, assignors.)
Automatic Electric, Inc. (See Richardson, R. G., and Nelson, assignors.)
Automatic Electric Inc. (See Ruggles, Leonard L., assignor.)
Automatic Electric Inc. (See Saville, Willie, assignor.)
Automatic Electric Inc. (See Schwartz, Michael, assignor.)
Automatic Electric Inc. (See Sengebusch, Hans, assignor.)
Automatic Electric Inc. (See Smith, Arthur B., assignor.)
Automatic Electric Inc. (See Stehlik, Rudolph F.)
Automatic Electric Inc. (See Stehlik, Rudolph F., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automatic Electric Inc. (See Willis, Bernard D., assignor.)
Automatic Gold Chain Company. (See Augenstein, Carl, assignor.)
Automatic Gold Chain Company. (See Augenstein, C., and Vogel, assignors.)
Automatic Gold Chain Company. (See Augenstein, Karl, assignor.)
Automatic Gold Chain Company. (See Johnson, S. A., and Vogel, assignors.)
Automatic Machine Company, The. (See Coulter, James, assignor.)
Automatic Merchandizer, Inc., The. (See Lea, Charles, assignor.)
Automatic Motor Control Corporation. (See Zitzmann, George, assignor.)
Automatic Paper Machinery Co. (See Marcalus, N., and Rausch, assignors.)
Automatic Pencil Vending Machine Corporation. (See Carlstrom, Carl A., assignor.)
Automatic Signal & Sign Company, The. (See Myers, Parke G., assignor.)
Automatic Straight Air Brake Company. (See Astle, William, assignor.)
Automatic Straight Air Brake Company. (See Neal, Spencer G., assignor.)
Automatic Straight Air Brake Company. (See Neal, S. G., Astle, and Wilson, assignors.)
Auto Mechanical Products Company. (See Julyan, Fred G., assignor.)
Auto-Meter Co. (See Huggins, Merion J., assignor.)
Auto-Meter Co., Inc. (See Titcomb, Lee R., assignor.)
Automobiles Cottin & Desgouttes, Societe Anonyme. (See Cottin, Cyrille E., assignor.)
Automotive Fan & Bearing Company. (See Funk, Truman B., assignor.)
Automotive Maintenance Machinery Co. (See Heon, Horace C., assignor.)
Automotive Maintenance Machinery Co. (See Wacker, Frederick G., assignor.)
Automotive Patent Holding Company. (See Ahlm, Charles E. F., assignor.)
Automotive Patent Holding Company. (See Ahlm, C. E. F., and Soule, assignors.)
Automotive Patent Holding Company. (See Soule, George M., assignor.)
Automotive Valves Co., The. (See Burtnett, Everett R., assignor.)
Automotive Valves Corporation, The. (See Burtnett, Everett R., assignor.)
Automatic Washer Company. (See Schroeder, Simon E., assignor.)
Auto Pneumatic Action Company. (See Douglas, John A., assignor.)
Auto Pneumatic Action Company. (See La Joie, Hubert J., assignor.)
Auto Pneumatic Action Company. (See La Joie, H. J., Urquhart, and Pokorny, assignors.)
Autopoint Company. (See Deli, Frank C., assignor.)
Autopoint Products Company. (See Lynn, John P., assignor.)
Autosales Corporation. (See Hiltz, Harry B., assignor.)
Auto Sheet Metal Works. (See Hoag, Harry T., assignor.)
Auto Smock and Clamp Company. (See Lewis, George S., assignor.)
Autostrop Patents Corporation. (See Gaisman, Henry J., assignor.)
Autostrop Patents Corporation. (See Gaisman, H. J., and Schumacher, assignors.)
Auto Tool & Gauge Company, The. (See Graeff, Clement H., assignor.)
Autoyre Company, The. (See Mosgrove, Charles A., assignor.)
Auty, Frank, New York, N. Y. Coil. 1,668,302; May 1.
Avera, Hugo, Dresden, Germany, assignor to Mitchell, Woodbury Company, Boston, Mass. Plate or similar article. Des. 74,816; Apr. 3.
Aveling, Christian W., assignor to J. E. Aveling, Wheaton, Ill. Ball pipe joint. 1,671,975; June 5.
Aveling, Julia E. (See Aveling, Christian W., assignor.)
Avenson, Lorenzo M., St. Paul, Minn. Threader for paper-drying machines. 1,670,873; May 22.
Avenson, Lorenzo M., St. Paul, Minn. Pulp beater. 1,683,597; Sept. 11.
Avera, Arch U., Birmingham, Ala. Transmission of power to vehicles. 1,681,385; Aug. 21.
Avera, Arch U., Florence, Ala. Transmission of power to vehicles. 1,693,914; Dec. 4.
Avera, Marvin E., Tampa, Fla. Fruit and vegetable packing machine. 1,668,837; May 8.
Averill, William H., assignor to Joseph Pollak Tool and Stamping Company, Boston, Mass. Folding display stand. 1,677,880; July 24.
Averill, William H., assignor to Joseph Pollak Tool and Stamping Company, Boston, Mass. Display rack. 1,692,324; Nov. 20.
Avery, B. F., & Sons. (See Ray, Charles T., assignor.)
Avery Company. (See Bartholomew, John B., assignor.)
Avery, Cordon R., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-tension-control mechanism. 1,671,976; June 5.
Avery, John L., Gardena, Calif. Direct-reading compensated-scale calipers. 1,659,939; Feb. 21.
Avery, Percy C., West Allis, assignor to Pressed Steel Tank Co., Milwaukee, Wis. Safety filler for tanks. 1,675,083; June 26.
Avery, True M. (See Gibson, J. R., and Avery.)
Avery, W. & J., Limited. (See Bradley, Leslie C., assignor.)
Avery, W. & T., Limited. (See Timson, William, assignor.)
Avery, William H. (See Schauman, Karl O., assignor.)
Avon Sole Company. (See Drake, Raymond E., assignor.)
Avorio, Luigi, Rome, Italy. Slack balloon with elastic deformation. 1,671,922; May 29.
Avril, Ralph C., Erie, Pa. Coaster. 1,668,623; May 8.
Avril, William E., Santa Monica, Calif. Motor-vehicle body. Des. 76,447; Oct. 2.
Awbrey, Ethel. (See Awbrey, Samuel C., assignor.)
Awbrey, Samuel C., assignor to E. Awbrey, Kansas City, Mo. Floor joiner. 1,667,712; May 1.
Awbrey, Samuel C., assignor to E. Awbrey, Kansas City, Mo. Reversible binding bar. 1,675,313; June 26.
Axelrod, Meyer L., assignor to Ohio Chemical & Manufacturing Company, Cleveland, Ohio. Dental flask. 1,676,677; July 10.
Axelson, Fred, Northome, Minn. Car-door latch. 1,691,028; Nov. 13.
Axford, Allan C., San Francisco, Calif. Fireplace grate. Des. 75,997; Aug. 14.
Axtel, Fred W., Fort Worth, Tex. Lubricating device for windmills. 1,660,313; Feb. 28.
Axtell, Frank C., South Pasadena, assignor to Axtell Research Laboratories, Inc., Los Angeles, Calif. Refining of petroleum fractions. 1,677,425; July 17.
Axtell, Jay M., and F. G. Von Hofen, assignors to A.-V. Burner Company, Fort Worth, Tex. Circulating gas burner. 1,676,472; July 10.
Axtell Research Laboratories, Inc. (See Axtell, Frank C., assignor.)
Ayala, Esteban, Monterey, Mexico. Shuttle. 1,675,204; June 26.
Ayars, Charles H., Salem, N. J. Tomato trimmer. 1,657,775; Jan. 31.
Ayars, Charles H., Salem, N. J. Can-filling machine. 1,696,376; Dec. 25.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Canning machine. 1,657,774; Jan. 31.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Vegetable-topping machine. 1,659,553; Feb. 21.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Vegetable slicer. 1,676,241; July 10.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Liquid-measuring valve. 1,683,120; Sept. 4.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,686,946; Oct. 9.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,689,661; Oct. 30.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Aycock, Francis M., assignor of forty-nine one-hundredths to J. Marsh, Soldiers Home, Los Angeles, Calif. Jack. 1,685,015; Sept. 18.
Ayer Company, The. (See Harris, Thomas S., assignor.)
Ayer, Elmer. (See Streib, F. C., and Ayer.)
Ayer, William T., assignor to Hercules Powder Company, Wilmington, Del. Mechanism for cutting paper shell blanks from continuous rolls of paper. 1,665,834; Apr. 10.
Ayers, Fred W., East Orange, N. J., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Signaling device. 1,673,794; June 19.
Ayers, Harris W., Burbank, Calif. Incinerator. Des. 76,114; Aug. 21.
Ayotte, Joseph R., assignor of one-half to F. P. Hoy, Chicago, Ill. Electric cigar lighter. 1,663,676; Mar. 27.
Ayotte, Willard W., Midsale, Saskatchewan, Canada. Latch. 1,666,985; Apr. 24.
Ayre, William W., West Englewood, N. J. Antifreeze container. 1,661,354; Mar. 6.
Ayres, Elwood B., Melrose Park, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Spiral gear box. 1,661,088; Mar. 6.
Ayres, Elwood B., Melrose Park, and C. S. Morrison, Elkins Park, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Toggle. 1,657,342; Jan. 24.
Ayres, Elwood B., Melrose Park, and C. S. Morrison, Elkins Park, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,669,275; May 8.

- Ayres, Eugene E., jr., Swarthmore, and E. H. Haabestad, assignors to B. A. S. Company, Philadelphia, Pa. Gel and producing the same. 1,691,424; Nov. 13.
- Ayres, Eugene E., jr., Swarthmore, and E. H. Haabestad, assignors to B. A. S. Company, Philadelphia, Pa. Esters produced from organic halides and producing the same. 1,691,425; Nov. 13.
- Ayres, Eugene E., jr., Swarthmore, and E. H. Haabestad, assignors to B. A. S. Company, Philadelphia, Pa. Hydrolysis of ester-forming compounds. 1,691,426; Nov. 13.
- Ayrton, William F. (See Ryan, J. W., and Ayrton.)
- B. A. S. Company. (See Ayres, E. E. jr., and Haabestad, assignors.)
- B. B. Laboratories, Inc. (See Brown, Ben E., assignor.)
- B. & B. Shoe Company. (See Golden, Louis J., assignor.)
- B. B. T. Corporation of America. (See Jackson, Edward W., assignor.)
- B and G Display Company, The. (See Blackwell, George M., assignor.)
- B. M. C. Patent Company. (See Martin, Robert J., assignor.)
- B. O. T. Mfg. Co. (See Tilden, Bert O., assignor.)
- B-S Manufacturing Corporation. (See Stern, C., and Carlock, assignors.)
- B. S. A. Tools Limited. (See Ogilvie, William, assignor.)
- B. V. D. Company, The. (See Meyers, Norman G., assignor.)
- Baack, Howard E., Chicago, Ill. Golf club. 1,659,231; Feb. 14.
- Baad, Caroline C., Bronx, N. Y. Electrical appliance. 1,669,318; May 8.
- Baader, Rudolph, Lubeck, Germany. Apparatus for filleting fish. 1,687,922; Oct. 16.
- Baar, Louis, Los Angeles, Calif. Vacuum-cleaner attachment. 1,661,553; Mar. 6.
- Babani, Maurice, Paris, France. Bottle. Des. 74,469; Feb. 21.
- Babb, Charles S. (See Forrest, C. N., Miller, and Babb.)
- Babbitt, Edwin V., Fairhaven, Mass. Doll. Des. 74,911; Apr. 17.
- Babbitt, Isaac N., Fairhaven, Mass. Humidifier for tobacco containers. 1,682,591; Aug. 28.
- Babbitt, Tillman C., and C. E. Hopfenbeck, Salt Lake City, Utah. Cleaning tool. 1,661,552; Mar. 6.
- Babcock-Davis Corporation. (See Davis, William A., assignor.)
- Babcock, Ezra, and W. P. Watson, Phillipsburg, N. J. Tension flyer for spinning machines. 1,655,352; Jan. 3.
- Babcock, Fay L., St. Petersburg, Fla. Puzzle. 1,683,014; Sept. 4.
- Babcock, Frederick G., Madison, Ohio. Lens. 1,692,973; Nov. 27.
- Babcock, Garrison, Everett, Wash. Meter-operating means. 1,675,919; July 3.
- Babcock, Garrison, assignor to American Telechronometer Company, Seattle, Wash. Telephone system. 1,694,934; Dec. 11.
- Babcock Printing Press Manufacturing Company, The. (See English, F. S., and Perry, assignors.)
- Babcock Printing Press Manufacturing Company, The. (See Hetherington, Howard L., assignor.)
- Babcock & Wilcox Company, The. (See Fox, Alfred G., assignor.)
- Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
- Babcock & Wilcox Company, The. (See Innes, William, assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, D. S., and Jones, assignors.)
- Babcock & Wilcox Company, The. (See Jones, William A., assignor.)
- Babcock & Wilcox Company, The. (See Kemnal, J., and Henry, assignors.)
- Babcock & Wilcox Company, The. (See Lewis, N. E., and Kerr, assignors.)
- Babcock & Wilcox Company, The. (See Molz, Joseph, assignor.)
- Babcock & Wilcox Company, The. (See Norton, Frederick H., assignor.)
- Babcock & Wilcox Company, The. (See Schroeder, B., and Savoye, assignors.)
- Babcock & Wilcox Company, The. (See Seidl, Hubert, assignor.)
- Babcock & Wilcox Company, The. (See Seifert, Charles H., assignor.)
- Babcock & Wilcox Company, The. (See Smith, Henry P., assignor.)
- Babcock & Wilcox Company, The. (See Smith, Herman B., assignor.)
- Babcock, William H., Groton, Conn. Dirigible headlight for automobiles. 1,684,294; Sept. 11.
- Babecki, Konstantyn, Woodside, N. Y. Wash hanger. 1,679,596; Aug. 7.
- Babel, Henry C., assignor to M. L. Babel, Buffalo, N. Y. Process and apparatus for removing chemicals and moisture from lumber, wood, and other substances. 1,687,822; Oct. 16.
- Babel, Myrtle L. (See Babel, Henry C., assignor.)
- Babineau, Oliver D., Minneapolis, Minn. Insulator. 1,675,589; July 3.
- Babitch, Abraham M., assignor to A C Spark Plug Company, Flint, Mich. Filter. 1,690,358; Nov. 6.
- Babbitt, Edwin V., Fairhaven, assignor to International Toy Corporation, New Bedford, Mass. Toy sea scooter. Des. 76,339; Sept. 18.
- Babitzky, Samuel, and V. Mathe, Chicago, Ill. Mixing machine. 1,692,022; Nov. 20.
- Babl, Adolph, New York, N. Y. Flytrap. 1,656,969; Jan. 24.
- Babor, Joseph A., Elmhurst, and W. L. Estabrooke, Yonkers, N. Y. Light-weight molded article and making the same. 1,693,015; Nov. 27.
- Baccellieri, Raffaele, Philadelphia, Pa. Fruit crusher. 1,681,920; Aug. 28.
- Bacci, Romeo, and G. Vacca, Trieste, Italy. Decompressor valve. 1,691,953; Nov. 20.
- Bach, Carl, Circleville, Ohio. Removable extension attachment for wire fences. 1,673,613; June 12.
- Bach, Henrik, Disiosanmartin, Transylvania, Rumania. Gas burner with automatically-controlled safety valve. 1,687,358; Oct. 9.
- Bach, James S., Toronto, Ontario, Canada. Sound amplifier casing. Des. 74,646; Mar. 13.
- Bach, Neils P., Milburn, N. J., assignor by mesne assignments, to Thermokept Corporation. Capping machine. 1,670,924; May 22.
- Bach, Neils P., Milburn, N. J., assignor to Thermokept Corporation, New York, N. Y. Vacuum can-sealing machine and method. 1,670,925; May 22.
- Bach, Oscar B., New York, N. Y. Candelabrum. Des. 74,249; Jan. 17.
- Bach, Oscar B., New York, N. Y. Andiron. Des. 74,290; Jan. 24.
- Bach, Oscar B., New York, N. Y. Andiron. Des. 74,291; Jan. 24.
- Bach, Oscar B., New York, N. Y. End table. Des. 74,340; Feb. 7.
- Bach, Oscar B., New York, N. Y. Fireplace screen. Des. 74,341; Feb. 7.
- Bach, Oscar B., New York, N. Y. Fireplace screen. Des. 74,342; Feb. 7.
- Bach, Oscar B., New York, N. Y. Andiron. Des. 74,470; Feb. 21.
- Bach, Oscar B., New York, N. Y. Torchère. Des. 74,647; Mar. 13.
- Bach, Oscar B., New York, N. Y. Torchère. Des. 74,648; Mar. 13.
- Bach, Oscar B., New York, N. Y. Table lamp. Des. 74,649; Mar. 13.
- Bach, Oscar B., New York, N. Y. Floor lamp. Des. 74,650; Mar. 13.
- Bach, Oscar B., New York, N. Y. Spindle for furniture pieces. Des. 74,959; Apr. 24.
- Bach, Oscar B., New York, N. Y. Openwork base for a table lamp. Des. 75,089; May 8.
- Bach, Oscar B., New York, N. Y. Decorative panel for metal work. Des. 75,090; May 8.
- Bach, Oscar B., New York, N. Y. Decorative panel for metal work. Des. 75,091; May 8.
- Bach, Oscar B., New York, N. Y. Decorative panel for metal work. Des. 75,092; May 8.
- Bach, Oscar B., New York, N. Y. Fireplace screen. Des. 75,321; May 29.
- Bach, Oscar B., New York, N. Y. Lamp. Des. 75,401; June 5.
- Bach, Oscar B., New York, N. Y. Lamp. Des. 75,402; June 5.
- Bach, Oscar B., New York, N. Y. Bridge lamp. Des. 75,403; June 5.
- Bach, Oscar B., New York, N. Y. Wall bracket for lighting fixtures. Des. 75,404; June 5.
- Bach, Oscar B., New York, N. Y. Wall bracket for lighting fixtures. Des. 75,405; June 5.
- Bach, Oscar B., New York, N. Y. Table. Des. 75,462; June 12.
- Bach, Oscar B., New York, N. Y. Base for a candlestick. Des. 75,463; June 12.
- Bach, Oscar B., New York, N. Y. Section for a spindle. Des. 75,464; June 12.
- Bach, Oscar B., New York, N. Y. Plate section for a candlestick. Des. 75,465; June 12.
- Bach, Oscar B., New York, N. Y. Spindle section for a candlestick. Des. 75,466; June 12.
- Bach, Oscar B., New York, N. Y. Plate section for a candlestick. Des. 75,467; June 12.
- Bach, Oscar B., New York, N. Y. Banding for metal work. Des. 75,468; June 12.
- Bach, Oscar B., New York, N. Y. Banding for metal work. Des. 75,469; June 12.
- Bach, Oscar B., New York, N. Y. Banding for metal work. Des. 75,470; June 12.
- Bach, Oscar B., New York, N. Y. Decorative panel for metal work. Des. 75,709; July 10.
- Bach, Oscar B., New York, N. Y. Upright for an andiron. Des. 75,893; July 31.
- Bach, Otto W., Ellensburg, Wash. Window-shade operator. 1,660,701; Feb. 28.
- Bache, Edmund, assignor to Waldorf Paper Products Company, St. Paul, Minn. Making waterproof paper-board. 1,691,752; Nov. 13.
- Bache, Thomas W., West Bromwich, England. Show case. 1,674,002; June 19.
- Bachelder, Elmer N., Portland, Me. Apparatus for infusing and filtering coffee, tea, and the like. 1,665,199; Apr. 10.

- Bachelder, Frank H., Orange, Mass. Dispensing cabinet. 1,667,523; Apr. 24.
- Bacheller, Raymond G., assignor to Hartford-Empire Company, Hartford, Conn. Glass-handling apparatus. 1,667,714; May 1.
- Bachman, Rudolph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Driving mechanism for slicing machines. 1,692,918; Nov. 27.
- Bachman, Rudolph W., assignor to U. S. Slicing Machine Company, La Porte, Ind. Sharpener for slicing machines. 1,671,217; May 29.
- Bachmann, Alvin B., Brooklyn, N. Y. Milling machine. 1,672,744; June 5.
- Bachmann Bros., Inc. (See Crowther, Joseph C., assignor.)
- Bachmann, Edouard J. (See Ledru, M. J. L., and Bachmann.)
- Bachmann, Wilhelm. (See Karplus, H., and Bachmann.)
- Bachofen, Jacob. (See Dunning, W. E., and Bachofen.)
- Bachtold, Jacob, assignor of one-third to M. Greene, New York, and one-third to A. J. Mottershead, Brooklyn, N. Y. Clock. 1,659,422; Feb. 14.
- Backer, Christian B., Brooklyn, N. Y. Electric iron. 1,680,406; Aug. 14.
- Backer, Christian B., Brooklyn, N. Y. Electric iron. 1,682,467; Aug. 28.
- Backer, Christian B., New York, N. Y. Terminal for electric heating units. 1,689,850; Oct. 30.
- Backhouse, Edward, London, England. Pneumatic-dispatch apparatus. 1,661,027; Feb. 28.
- Backlund, Frederick, et al. (See Cummins, Charles F., assignor.)
- Backlund, Nils O., Stockholm, Sweden, assignor to Bergedorfer Eisenwerk Aktiengesellschaft, Sande, near Bergedorf-Hamburg, Germany. Separating from fluid hydrocarbons other hydrocarbons which precipitate at low temperature. 1,676,069; July 3.
- Backmyer, Christopher F., assignor to Magill-Weinsheimer Company, Chicago, Ill. Double envelope. 1,662,843; Mar. 20.
- Backstatter, Joseph, Winfield, N. Y. Excess-steam-pressure signal. 1,683,148; Sept. 4.
- Backstrom, Gustaf V. (See Brown, Perry O., assignor.)
- Bäckstrom, Sigurd M., Stockholm, Sweden, assignor to Electrolux Serval Corporation, New York, N. Y. Refrigeration. 1,673,931; June 19.
- Backus, Albert, St. Louis, Mo. Tobacco pipe. 1,672,554; June 5.
- Backus, George S. (See Bankus, A., and Backus.)
- Backus, George S., assignor to Oliver Continuous Filter Company, Oakland, Calif. Vacuum-filter liquid guard. 1,654,717; Jan. 3.
- Backus, John C., Smethport, Pa. Golf practicing machine. 1,681,317; Aug. 21.
- Backus, John C., Smethport, Pa. Golf practicing machine. 1,682,059; Aug. 28.
- Bacon, Charles C., assignor to Ross Tacony Crucible Company, Philadelphia, Pa. Ladle stopper. 1,696,876; Dec. 25.
- Bacon, Chester A., assignor to Bowen Products Corporation, Auburn, N. Y. Lubricating system. 1,662,022; Mar. 6.
- Bacon, Francis P., and W. C. Ward, Tryon, N. C. Yarn-core-holding attachment for knitting machines. 1,675,241; June 26.
- Bacon, Frederick, and H. D. Troop, assignors to Holyoke Silk Hosiery Company, Holyoke, Mass. Knitted fabric and making the same. 1,672,873; June 12.
- Bacon, George M., assignor to Divco-Detroit Corporation, Detroit, Mich. Steering mechanism for motor vehicles. 1,692,535; Nov. 20.
- Bacon, Harry S. C., assignor to E. S. Edmondson Company, Philadelphia, Pa. Advertising device. 1,665,009; Apr. 3.
- Bacon, Myrtle M. (See Bacon, William J., assignor.)
- Bacon, Raymond F., et al. (See Frieden, Alexander, assignor.)
- Bacon, Raymond F., Bronxville, N. Y. Recovery of sulphur from iron sulphides. 1,672,924; June 12.
- Bacon, Roscoe C., Port Norris, N. J. Milk-bottle holder. 1,694,729; Dec. 11.
- Bacon, Ross M. (See Groene, W. F., and Bacon.)
- Bacon, William J., assignor to M. M. Bacon, Memphis, Tenn. Air strainer for heating units. 1,660,666; Feb. 28.
- Bacso, Peter, Astoria, N. Y. Window regulator for vehicles. 1,659,587; Feb. 21.
- Bacso, Peter, Astoria, N. Y. Window regulator for vehicles. 1,666,481; Apr. 17.
- Badaracco, Louis, assignor to The Auto Laundry System Company, St. Louis, Mo. Nozzle. 1,656,160; Jan. 17.
- Baddiley, James, P. Chorley, and C. Butler, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing artificial silk. 1,667,524; Apr. 24.
- Badeker, John, Chicago, Ill., assignor to Chicago Standard Metallic Packing Company, Omaha, Nebr. Metallic rod packing. 1,669,074; May 8.
- Badeker, John, Joliet, Ill., assignor to Chicago Standard Metallic Packing Company. Metallic rod packing. 1,655,853; Jan. 10.
- Baden, Fred E., Peoria, Ill. End gate. 1,655,831; Jan. 10.
- Baden-Powell, Baden F. S., Sevenoaks, England. Apparatus for discharging projectiles by centrifugal force. 1,662,629; Mar. 13.
- Baden, Robert, New York, N. Y. Finger ring. Des. 74,471; Feb. 21.
- Bader, John, Hampton, Va. Extension table. 1,664,343; Mar. 27.
- Bader, Walter, Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of aliphatic compounds. 1,693,331; Nov. 27.
- Badger, Arthur C., Newton, Mass. Expansion joint with regulating means. 1,691,040; Nov. 13.
- Badger, Arthur C., Newton, Mass. Fire extinguisher. 1,691,041; Nov. 13.
- Badger, E. B., and Sons Company. (See Webre, Alfred L., assignor.)
- Badger Fire Extinguisher Company. (See Blackett, William C., assignor.)
- Badger, Harry M., Great Barrington, assignor to Stanley Insulating Company, Berkshire, Mass. Vacuum vessel sealing. 1,691,912; Nov. 20.
- Badger, James S., Schaghticoke, N. Y. Adjustable hanger for overhead tracks. 1,655,123; Jan. 3.
- Badger, Leo A., assignor of one-half to A. Perrotta, Burlington, Vt. Combined shuttle guard and stop motion. 1,693,539; Nov. 27.
- Badger Rubber Works, The. (See Holm, Sigurd, assignor.)
- Badgley, Gerald J., Brooklyn, N. Y., assignor to Duplex Motion Picture Industries, Inc. Motion-picture projector. 1,674,629; June 26.
- Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold and Sebold & Neff. (See Nagel, O., and Kaempfer, assignors.)
- Badler, Abraham A., assignor of one-half to J. H. Kanarek, New York, N. Y. Smoker's article. 1,677,946; July 24.
- Bady, Henry C., Hoboken, N. J. Water-tube boiler. 1,662,815; Mar. 20.
- Bady, Louis, and S. Levinson, Brooklyn, N. Y. Adjustable holding fixture. 1,681,273; Aug. 21.
- Baehr, George, Irwin, Pa. Composite roll. 1,655,886; Jan. 10.
- Baenziger, Leonard, Abington, assignor to Acme Electric Manufacturing Company, Chelsea, Mass. Fuse plug. 1,668,138; May 1.
- Baer, Carl J., St. Louis, Mo. Current motor. 1,687,923; Oct. 16.
- Baer, Emanuel H. (See Ernest, W., and Baer.)
- Baer, Everett E. and S. M., Marion, Ind. Shower-bath cabinet. 1,656,410; Jan. 17.
- Baer, Joseph, Chicago, Ill. Powder puff and making the same. 1,658,795; Feb. 14.
- Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Collar holder. Des. 75,818; July 24.
- Baer, Lawrence E., assignor to The Baer & Wilde Company, Attleboro, Mass. Soft-collar holder. 1,662,774; Mar. 13.
- Baer, Stella M. (See Baer, Everett E. and S. M.)
- Baer, Walter O., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,671,218; May 29.
- Baer & Wilde Company, The. (See Baer, Lawrence E., assignor.)
- Baer & Wilde Co. (See Eates, Arthur, assignor.)
- Baeth, Henry R., Content, Mont. Gate Latch. 1,663,152; Mar. 20.
- Baetz, Henry, St. Louis, Mo. Air heater. 1,655,214; Jan. 3.
- Baetz, Henry, St. Louis, Mo. Air heater. 1,684,380; Sept. 18.
- Baetz, Jacob H., Kitchener, Ontario, Canada. Standard lamp of candelabra type. 1,694,434; Dec. 11.
- Baetz, Lester, Detroit, assignor to The Beals & Selkirk Trunk Co., Wyandotte, Mich. Traveling bag. Des. 76,279; Sept. 11.
- Bagasse Products Corporation. (See de la Roza, Joaquin J., sr., assignor.)
- Bagby, Ralph B., assignor to J. G. Cherry Company, Cedar Rapids, Iowa. Power-transmitting mechanism. 1,665,835; Apr. 10.
- Bagby, Ralph B., Cedar Rapids, Iowa, assignor, by mesne assignments, to Cherry-Burrell Corporation, Wilmington, Del. Dasher for ice-cream freezers. 1,693,016; Nov. 27.
- Bager, Svante R. W. M., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Steering mechanism. 1,687,653; Oct. 16.
- Bager, Svante R. W. M., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Steering mechanism. 1,688,572; Oct. 23.
- Baggett, Samuel D., Cleveland, Ohio. Sign. 1,660,984; Feb. 28.
- Baghdasarian, Abaron B., now by judicial change of name A. B. Bagsar, Huntington, W. Va. Extracting metals from metallic sulphides. 1,671,003; May 22.
- Baghdasarian, Abaron B., now by judicial change of name, A. B. Bagsar, Huntington, W. Va. Extracting metallic nickel. 1,671,004; May 22.
- Bagley, Glen D., Great Neck, N. Y., assignor to The Komet Laboratories Co. Inc. Electric vacuum furnace. 1,671,461; May 29.
- Bagley, James, assignor to A. L. Pfeiffer, Bedford, Mass. Pile wire. 1,690,320; Nov. 6.
- Bagley, James W., Dayton, Ohio. Tilt-registering means for cameras. 1,674,540; June 19.
- Bagley and Sewall Company, The. (See Valentine, Charles W., assignor.)

- Bagnall, Anna M., executrix. (See Bagnall, Ernest J.)
 Bagnall, Ernest J., deceased, Cleveland, Ohio; A. M. Bagnall, executrix, assignor to Knox Terpezone Company, Inc., and Knox Terpezone Company of America, Inc. Apparatus for producing gaseous ozonide. 1,668,884; May 8.
- Bagsar, Aaron B. (See Baghdasarian, Aharon B.)
 Bahan, William H. (See Crain, William E., assignor.)
 Bahan, William H., Greenville, S. C. Hub. 1,656,935; Jan. 24.
- Bahnsen, Henry E., Hammond, Ind. Automobile chain tightener. 1,687,318; Oct. 9.
- Bahnon, Frederic F., Winston-Salem, N. C. Pressure-regulating device. 1,657,362; Jan. 24.
- Bahnon, Frederic F., Winston-Salem, N. C. Humidifier. 1,685,221; Sept. 25.
- Bahr, Gustave F., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Stop mechanism. 1,658,182; Feb. 7.
- Bähr, Hans, Chicago, Ill., assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Converting hydrogen sulphide into sulphur dioxide. 1,678,630; July 31.
- Bahr, John P., New York, N. Y. Cigarette case. 1,684,381; Sept. 18.
- Bala, Charles, West New York, N. J. Cigar lighter. 1,669,849; May 15.
- Baier, Wilhelm, Munich-Stockdorf, Germany. Garment hanger. 1,673,059; June 12.
- Bailey, Allen E., jr. (See Brown, W. H., and Bailey.)
 Bailey, Arthur L., Jamaica Plain, Mass. Iron. 1,675,084; June 26.
- Bailey, Charles F., San Francisco, Calif. Electric safety razor. 1,659,184; Feb. 14.
- Bailey, Charles J., Waterbury, Conn. Protractor. 1,655,887; Jan. 10.
- Bailey, Claude B., Wyandotte, Mich. Spark-plug gasket. 1,685,059; Sept. 18.
- Bailey, Claude B., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Gasket. 1,684,656; Sept. 18.
- Bailey, Daniel, assignor of one-half to W. H. Damon, Tecumseh, Mich. Grain spreader. 1,668,391; May 1.
- Bailey, David R., Sacramento, assignor to California Almond Growers Exchange, San Francisco, Calif. Salt-ing apparatus. 1,664,474; Apr. 3.
- Bailey, David R., Sacramento, assignor to California Almond Growers Exchange, San Francisco, Calif. Cracker plate. 1,678,098; July 24.
- Bailey, Edwin W. M., Amesbury, Mass. Window-glass guide. 1,673,728; June 12.
- Bailey, Edwin W. M., Amesbury, Mass. Window-glass guide. 1,680,315; Aug. 14.
- Bailey, Edwin W. M., Amesbury, Mass. Window-glass channel. 1,688,371; Oct. 23.
- Bailey, Edwin W. M., Amesbury, Mass. Sliding-window-glass support. 1,696,588; Dec. 25.
- Bailey, Edwin W. M., Amesbury, Mass. Window-glass channel. 1,696,589; Dec. 25.
- Bailey, Elmer M., Havensville, Kans. Shade and curtain bracket. 1,688,223; Oct. 16.
- Bailey, Ernest M., Woodsdale, N. C. Battery-terminal clip. 1,667,581; Apr. 24.
- Bailey, Rufus W., Kansas City, Mo. Door control for automotive busses. 1,690,265; Nov. 6.
- Bailey, Walter C., Norwalk, Calif. Disk-drill bit. 1,692,919; Nov. 27.
- Bailey, Ervin G., Cleveland Heights, Ohio, assignor, by mesne assignments, to Fuller Lehigh Company. Furnace. 1,670,295; May 22.
- Bailey, Ervin G., Cleveland Heights, Ohio, assignor, by mesne assignments, to Fuller Lehigh Company. Apparatus for feeding and metering pulverulent or granular material. 1,679,557; Aug. 7.
- Bailey, Frank, and W. S. Engel, Kansas City, Mo. Puncture locator. 1,655,854; Jan. 10.
- Bailey, George A. C. (See Stevens, J. P., and Bailey.)
 Bailey, George G., Washington, D. C. Steering control for boats. 1,679,395; Aug. 7.
- Bailey, George S., assignor to J. M. Bailey, San Francisco, Calif. Display stand. 1,693,802; Dec. 4.
- Bailey, Horace A., Newton Highlands, Mass. Direction signal for automobiles. 1,655,402; Jan. 10.
- Bailey, James, assignor to Corning Glass Works, Corning, N. Y. Temperature-controlling means. 1,685,348; Sept. 25.
- Bailey, James, assignor to Corning Glass Works, Corning, N. Y. Apparatus for and process of finishing blow-glass articles. 1,685,349; Sept. 25.
- Bailey, James M. (See Bailey, George S., assignor.)
 Bailey, Jefferson, Greene, R. I. Game. 1,668,447; May 1.
- Bailey, John, Cobridge, Stoke-on-Trent, assignor to Furnivals 1913 Limited, Cobridge, England. Shaping teacups or the like with integral handles. 1,677,611; July 17.
- Bailey, Joseph O., Atlanta, Ga. Endless spiral conveyor. 1,684,254; Sept. 11.
- Bailey, Leon J. (See Ryder, H. M., and Bailey.)
 Bailey Meter Company. (See Benjamin, Merrill G., assignor.)
 Bailey Meter Company. (See Goetz, Milton A., assignor.)
 Bailey Meter Company. (See Smith, Arthur R., assignor.)
- Bailey Meter Company. (See Thompson, Louis W., assignor.)
 Bailey Meter Company. (See Tröger, Richard, assignor.)
 Bailey Meter Company. (See Weiss, Max., assignor.)
 Bailey, Nelson B., San Francisco, Calif. Hanger. 1,660,719; Feb. 28.
- Bailey, Norman D., Newark, assignor, by mesne assignments, to C. M. Potts, Princeton, N. J. Hair-retaining means. 1,654,775; Jan. 3.
- Bailey, Percy S., Marblehead, Mass., assignor to General Electric Company. Reflector. Des. 74,651; Mar. 13.
- Bailey, Perle A., Dayton, Ohio. Shaving comfort. 1,659,800; Feb. 21.
- Bailey-Reynolds Chandelier Company, The. (See Livers, John F., assignor.)
 Bailey, Richard W., Altrincham, England, assignor to Westinghouse Electric & Manufacturing Company. Treatment of steam to reduce or prevent corrosion. 1,666,523; Apr. 17.
- Bailey, Rufus W., Kansas City, Mo. Automotive bus. 1,684,303; Sept. 11.
- Bailey, Rufus W., Kansas City, Mo. Brake and door control for automotive buses. 1,693,834; Dec. 4.
- Bailey, Samuel J., Nicholson, Pa. Sanitary milk-bottle container. 1,681,080; Aug. 14.
- Bailey, Walter, Washington, D. C. Joint. 1,681,081; Aug. 14.
- Bailey, Walter C., Norwalk, Calif. Rotary disk bit. 1,670,092; May 15.
- Bailey, William T., Nashville, Tenn. Fireplace basket. 1,677,540; July 17.
- Bailey, William T., Nashville, Tenn. Fireplace basket. 1,677,541; July 17.
- Baillie, Matthew, Winnipeg, Manitoba, Canada. Fruit-juice extractor. 1,661,522; Mar. 6.
- Baillie, Robert, and M. A. Adam, London, England, said Baillie assignor to said Adam. Machine for making dry-cell elements. 1,666,067; Apr. 17.
- Baillet, Alphonse E., Hull, assignor of fifty-one one-hundredths to A. H. Coplan, Ottawa, Ontario, and forty-nine one-hundredths to A. H. Coplan, Hull, Quebec, Canada. Cupola. 1,678,899; July 31.
- Bailly, Max, Brussels, Belgium. Sparking plug for explosion and other engines. 1,675,242; June 26.
- Bailor, Silas E., Dill, Okla. Planter. 1,692,608; Nov. 20.
- Baily, Thaddeus F., Alliance, Ohio. Soaking pit. 1,671,337; May 29.
- Baily, Thaddeus F., Alliance, Ohio. Shaft-type electric furnace. 1,675,744; July 3.
- Baily, Thaddeus F., Alliance, Ohio. Automatic control device. 1,683,856; Sept. 11.
- Bain, Forcé, Chicago, assignor to W. A. Hastings, La Grange, Ill. Cigar lighter. 1,657,189; Jan. 24.
- Bain, John, et al. (See Geake, William H. G., assignor.)
 Bainbridge, George K., Ripon, Calif. Plastic-cutting machine. 1,660,855; Feb. 28.
- Bainbridge, George K., and S. W. Reynolds, Ripon, Calif. Sanitary container. 1,660,906; Feb. 28.
- Bainbridge, Kenneth T., New York, N. Y., assignor to General Electric Company. Liquid-conductor pump. 1,660,407; Feb. 28.
- Baine, Daniel E., Stockton, Calif. Measuring device. 1,690,919; Nov. 6.
- Baine, John F., North Bay, Ontario, Canada. Device for locating and raising sunken vessels. 1,664,281; Mar. 27.
- Baines, Joseph E., Pittsburgh, and J. P. Bosle, Mount Oliver, assignors to National Tube Company, Pittsburgh, Pa. Chuck-operating mechanism. 1,676,814; July 10.
- Baird, Dudley, Berkeley, Calif., assignor to Nichols Copper Company, New York, N. Y. Roasting-furnace construction. 1,669,925; May 15.
- Baird, Dudley, Berkeley, Calif., assignor to Nichols Copper Company, New York, N. Y. Furnace construction and operation. 1,671,395; May 29.
- Baird, John W., Chicago, Ill. Shock-absorbing apparatus. 1,672,513; June 5.
- Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
 Baird, Raymond C., Omaha, Nebr., and E. E. Snell, Mount Clemens, Mich. Radiocircuit. 1,681,274; Aug. 21.
- Baish, Adrian, Wadsworth, Ohio. Mold. 1,677,881; July 24.
- Bakelite Corporation. (See Brown, Sandford, assignor.)
 Bakelite Corporation. (See Groff, Frazier, assignor.)
 Bakelite Corporation. (See Redman, L. V., and Cheetham, assignors.)
 Bakelite Corporation. (See Schrimpe, Conrad, F., assignor.)
 Bakelite Corporation. (See Schmidt, John H., assignor.)
 Bakelite Corporation. (See Swan, Hylton, assignor.)
 Bakelite Corporation. (See Turkington, Victor H., assignor.)
 Bakelite Gesellschaft mit beschränkter Haftung. (See Seebach, Fritz, assignor.)
 Baker, Abner D., Sycamore, Ohio. Water-lever control for boilers. 1,659,558; Feb. 21.
- Baker, Abraham. (See Reynolds, Robert O., assignor.)
 Baker, Albert A., assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Roll-grinding machine. 1,669,504; May 15.
- Baker, Alfred A., Buffalo, N. Y. Machine-stitched cravat or tie. 1,681,079; Aug. 14.
- Baker, Arthur R. (See Swartz, Ira T., assignor.)

- Baker, Arthur R. (See Swartz, I. T., and Baker.)
- Baker, Arthur R., assignor to I. T. Swartz, Indianapolis, Ind. Circulating pump. 1,656,093; Jan. 10.
- Baker, Bertie F. (See Knox, H. A., and Baker.)
- Baker, Bertram F., Tannersville, N. Y. Dispensing-tube base. 1,696,147; Dec. 18.
- Baker Brothers, Inc. (See Hallenbeck, George E., assignor.)
- Baker Brothers. (See Hallenbeck, George E., assignor.)
- Baker, Burton L., Brookline, assignor to Harding Engineering Company, East Boston, Mass. Retarding device. 1,660,027; Feb. 21.
- Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
- Baker & Company. (See Jones, Harry J., assignor.)
- Baker, Daniel W., assignor of one-fourth to D. J. Collins and one-fourth to G. Bettendorff, Oakland, Calif., and one-fourth to H. C. Schroeder, Concord, Calif. Corn-popping machine. 1,692,432; Nov. 20.
- Baker, David S., Greenwich, Conn. Apparatus for handling materials. 1,672,404; June 5.
- Baker, Dudley M. (See Moore, Henry W., assignor.)
- Baker, Edward A., Mansfield, Ohio. Guard cage. 1,684,122; Sept. 11.
- Baker, Edwin M. (See Leslie, E. H., and Baker.)
- Baker, Erle K., Chicago, Ill. Decorating articles. 1,692,920; Nov. 27.
- Baker, Eric K., assignor to Baker Reduction Gear Company, Detroit, Mich. Planetary-reduction-gear construction. 1,687,077; Oct. 9.
- Baker, Frank J., Dayton, Ohio. Sash-measuring gauge or the like. 1,678,620; July 24.
- Baker, Frank S., and J. L. Richards, assignors to Hydro-Press Machines Limited, London, England. Embossing machine. 1,663,330; Mar. 20.
- Baker, Frederick, Blackheath, assignor to Single Thread Lockstitch Machines Limited, London, England. Sewing machine. 1,657,989; Jan. 31.
- Baker, Frederick W., Oldswinford, Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Brake drum and wheel construction. 1,655,807; Jan. 10.
- Baker, Frederick W., Oldswinford, Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Wheel disk. 1,670,431; May 22.
- Baker, Frederick W., Oldswinford, Stourbridge, England, assignor to Trinity Wheel Corporation. Vehicle wheel. 1,693,360; Nov. 27.
- Baker, Frederick W., Stourbridge, England, assignor to Trinity Wheel Corporation, New York, N. Y. Two-rim vehicle wheel. 1,685,974; Oct. 2.
- Baker, Frederick W. W., et al. (See Baker, Thomas T., assignor.)
- Baker, George, Seattle, Wash. Automatic fuel-oil super-heater. 1,667,713; May 1.
- Baker, George A., Philadelphia, Pa. Eye shield. 1,688,775; Oct. 23.
- Baker, George F., Cincinnati, Ohio. Safety danger signal for railroad tracks. 1,684,904; Sept. 18.
- Baker, George R. (See Paterson, J. C., and Baker.)
- Baker, George R., and C. Dumbleton, London, England, assignors to Baker-Perkins Company Incorporated, New York, N. Y. Apparatus for cutting dough and like plastic substances. 1,659,715; Feb. 21.
- Baker, George R., and W. E. Prescott, London, England, assignors to Baker Perkins Company Incorporated. White Plains, N. Y. Baking oven. 1,663,746; Mar. 27.
- Baker, Gilbert L., and H. W. Pattillo, Oakland, Calif. Window cleaner. 1,694,245; Dec. 4.
- Baker, Harold O., Pontiac, Mich. Lamp and loud speaker. 1,686,402; Oct. 2.
- Baker, Harold U. (See Jones, W. S., and Baker.)
- Baker, Harold U., et al. (See Jones, W. S., and Baker, assignors.)
- Baker, Harry E., assignor to Langford Sales Audit Machine Corporation, San Francisco, Calif. Sales-recording device. 1,669,804; May 15.
- Baker, Harry J., Indianapolis, Ind., assignor to The Prest-O-Lite Company, Inc. Soldering iron. 1,662,734; Mar. 13.
- Baker, Henry G., Kansas City, Mo., assignor to G. B. Rooney, Fairview, Kans. Collapsible-tire rim. 1,660,907; Feb. 28.
- Baker, Howard H., Buffalo, N. Y. Heating bag. 1,659,185; Feb. 14.
- Baker, Hugh J., Indianapolis, Ind. Beam hanger. 1,664,499; Apr. 3.
- Baker, Irvin J., Latty, Ohio. Combined tire gauge and indicator. 1,668,753; May 8.
- Baker, J. L. (See Hoesechen, Henry A., assignor.)
- Baker, Jacob F., Detroit, Mich. Necktie. 1,678,374; July 24.
- Baker, John C. (See Wallace, C. F., and Baker.)
- Baker, John F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Rotary hearth furnace. 1,691,367; Nov. 13.
- Baker, John F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Car-bottom furnace-hearth seal. 1,691,368; Nov. 13.
- Baker, John F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,691,369; Nov. 13.
- Baker, John H., Detroit, Mich. Boller. 1,680,931; Aug. 14.
- Baker, John H., Royal Oak, Mich. Mixing device. 1,676,237; July 10.
- Baker, John M., Columbus, Ohio. Electrical heater. 1,695,753; Dec. 18.
- Baker, John S. (See Folds, G. R., and Baker.)
- Baker, John S., assignor to The Cook Electric Company, Chicago, Ill. Heat coil. 1,678,800; July 31.
- Baker, Joseph, Sons & Perkins Company. (See Harber, Laurence S., assignor.)
- Baker, Joseph W. (See Nitsch, C. H., and Baker.)
- Baker, Joseph W., assignor to Stokes and Smith Company, Philadelphia, Pa. Sheet-feeding apparatus. 1,685,799; Oct. 2.
- Baker, Lea W., Pomona, Calif. Razor-blade holder. 1,665,336; Apr. 10.
- Baker, Lin E., Chicago, Ill. Fishing apparatus. 1,690,440; Nov. 6.
- Baker, Linnaeus E., assignor to Wayne Company, Fort Wayne, Ind. Interlocking mechanism for visible-dispensing apparatus. 1,670,400; May 22.
- Baker, Linnaeus E., assignor to Wayne Company, Fort Wayne, Ind. Visible-liquid-dispensing apparatus. 1,674,940; June 26.
- Baker, Linnaeus E., assignor to Wayne Company, Fort Wayne, Ind. Visible dispensing apparatus. 1,691,539; Nov. 13.
- Baker, Linnaeus E., Long Beach, Calif., and W. F. Brandt, assignors to Wayne Company, Fort Wayne, Ind. Liquid-dispensing apparatus. 1,673,545; June 12.
- Baker, Linnaeus E., and C. L. Merriman, assignors to Wayne Company, Fort Wayne, Ind. Liquid measuring and dispensing apparatus. 1,667,137; Apr. 24.
- Baker Manufacturing Company, The. (See Baker, Rollyn H., assignor.)
- Baker, Melvin G., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,669,034; May 8.
- Baker, Milo A., Los Angeles, Calif. Elevator. 1,669,184; May 8.
- Baker, Milo A., Los Angeles, Calif. Apparatus for fabricating structural members. 1,673,965; June 19.
- Baker, Milo A., Los Angeles, Calif. Elevator. 1,682,209; Aug. 28.
- Baker, Nelson M. (See Tillyer, E. D., and Baker.)
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Lens gauge. 1,659,969; Feb. 21.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Machine lubrication. 1,679,199; July 31.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Grindstone honing device. 1,679,200; July 31.
- Baker, Nelson M., and G. L. Ljunglof, assignors to American Optical Company, Southbridge, Mass. Universal stone mounting. 1,679,201; July 31.
- Baker, Orrin H. (See Glass, R. G., and Baker.)
- Baker Perkins Company. (See Banzhaf, Elmin T., assignor.)
- Baker Perkins Company. (See Engels, Eugene O., assignor.)
- Baker Perkins Company. (See Harber, Laurence S., assignor.)
- Baker Perkins Company. (See Tugendhat, Robert G., assignor.)
- Baker-Perkins Company. (See Prescott, William E., assignor.)
- Baker-Perkins Company Incorporated. (See Baker, G. R., and Dumbleton, assignors.)
- Baker Perkins Company Incorporated. (See Baker, G. R., and Prescott, assignors.)
- Baker Perkins Company Incorporated. (See Paterson, J. C., and Baker, assignors.)
- Baker Perkins Company Incorporated. (See Pointon, John E., assignor.)
- Baker Perkins Limited. (See Dewhurst, Frank, assignor.)
- Baker Perkins, Ltd. (See Lebert, Louis, assignor.)
- Baker Perkins Limited et al. (See Rimeur, Georges J. C., assignor.)
- Baker, Phillip, Mattapan, Mass., assignor to Paramount Bedding Machine Co., of Boston. Mattress-filling machine. 1,666,549; Apr. 17.
- Baker, Ralph L. (See Colbert, A. H., McConner, and Baker.)
- Baker-Raulang Company, The. (See Hertner, John H., assignor.)
- Baker-Raulang Company, The. (See Hutzley, Amiel G., assignor.)
- Baker, Raulang Company, The. (See Pearsons, Ernest T., assignor.)
- Baker-Raulang Company, The. (See Remde, Edward H., assignor.)
- Baker-Raulang Company, The. (See Stahl, Edward J., assignor.)
- Baker Reduction Gear Company. (See Baker, Erle K., assignor.)
- Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Core retainer for core barrels. 1,655,644; Jan. 10.
- Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Cementing and floating shoe. 1,685,307; Sept. 25.
- Baker, Rollyn H., assignor to The Baker Manufacturing Company, Dayton, Ohio. Vending machine. 1,680,238; Aug. 7.

- Baker, Roy C., Quincy, Mass. Bookbinding and producing the same. 1,665,049; Apr. 3.
- Baker, Roy S., Pomona, Calif. Gas engine. 1,690,321; Nov. 6.
- Baker, Russell W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Method and machine for lining an armature core with a flexible strip. 1,661,355; Mar. 6.
- Baker, Russell W., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Armature-assembly apparatus. 1,690,322; Nov. 6.
- Baker, Russell W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature-insulation-cutting machine. 1,693,996; Dec. 4.
- Baker, Samuel G., jr. (See Johnson, N. G., and Baker.)
- Baker Smith Company. (See Baker, Sylvester A., assignor.)
- Baker, Sylvester A., San Francisco, Calif. Street-light globe. Des. 76,368; Sept. 25.
- Baker, Sylvester A., assignor to Baker Smith Company, Inc., San Francisco, Calif. Radio loud speaker. Des. 75,541; June 19.
- Baker, Theodore, Pompton Plains, N. J., and W. A. Peters, jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Plate column. 1,688,515; Oct. 23.
- Baker, Theodore E. (See Buchet, C. R., and Baker.)
- Baker, Thomas T., assignor of one-third to C. H. Watson and one-third to F. W. W. Baker, London, England. Picture-transmission system. 1,692,232; Nov. 20.
- Baker, Thomas W. (See Magee, Frederick W., assignor.)
- Baker, Walter J., Chillicothe, Mo. Flue scraper. 1,656,465; Jan. 17.
- Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. Protective relay. 1,669,154; May 8.
- Baker, Walter R. G., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,683,230; Sept. 4.
- Baker, Webster E. B., York Haven, Pa. Treatment of sulphite wood-pulp liquor. 1,685,800; Oct. 2.
- Baker, Wedworth V., Detroit, Mich. Washing machine. 1,661,356; Mar. 6.
- Baker, William E., Brighton, England. Filing apparatus for letters, papers, and the like. 1,654,854; Jan. 3.
- Baker, William E., Erie, Pa. Oil heater. 1,688,796; Oct. 23.
- Baker, William H., Boston, Mass. Plate. 1,680,839; Aug. 14.
- Baker, William H., Boston, Mass. Lay motion for looms. 1,683,324; Sept. 4.
- Baker, William H., Montreal, Quebec, Canada. Combined gramophone and motion-picture apparatus. 1,696,831; Dec. 25.
- Bakken, Andrew H. (See MacNeill, J. B., Bakken, and Tucker.)
- Bakken, Andrew H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,685,934; Oct. 2.
- Bakken, Andrew H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,689,851; Oct. 30.
- Bakker, Pieter J., Amsterdam, Netherlands. Apparatus for automatically igniting flashlight powder. 1,667,368; Apr. 24.
- Balaskas, Thomas K., Lexington, Nebr. Arch support. 1,690,964; Nov. 6.
- Balch, John L., Potlatch, Idaho. Tray. 1,683,944; Sept. 11.
- Balcolm, Charles A., et al. (See Reynolds, Joy S., assignor.)
- Balcom, Clarence A., assignor to The Balcom Seed Cleaner Company, Ionia, Mich. Seed cleaner. 1,668,448; May 1.
- Balcom Seed Cleaner Company, The. (See Balcom, Clarence A., assignor.)
- Baldinger, Johann, Amboni Estate, East Africa. Decorating fibers. 1,671,219; May 29.
- Baldon, Earle C., Knoxville, Tenn. Joint for combination levels and squares. 1,670,432; May 22.
- Baldor Electric Company. (See Ballman, Edwin C., assignor.)
- Baldridge, Charles W., Chicago, Ill. Rail anchor. 1,679,112; July 31.
- Baldsiefen, Walter D., Parlin, N. J., and T. H. Rogers, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oil composition and process of retardment developing of rancidity therein. 1,675,631; July 3.
- Baldus, Paul C. (See Wollensak, A. C., Jacobs, and Baldus.)
- Baldwin, Allen T., Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry battery. 1,671,566; May 29.
- Baldwin, Arthur S., Baltimore, Md., and E. E. Richmond, Huntington, Mass. Internal-combustion motor. 1,662,597; Mar. 13.
- Baldwin, Augustus M., New York, N. Y. Machine gun. 1,660,590; Feb. 28.
- Baldwin, Carl M., Columbus, Ohio. Candy or similar article. Des. 76,977; Nov. 27.
- Baldwin Chain & Mfg. Co. (See Klauke, Hermann, assignor.)
- Baldwin, Clarence D., Bellingham, Wash. Embroidery-hoop holder. 1,666,323; Apr. 17.
- Baldwin, Earl F., assignor to American Fibre Corporation, Gardner, Mass. Loom. 1,678,099; July 24.
- Baldwin, Earl F., assignor to American Fibre Corporation, Gardner, Mass. Strand-severing mechanism. 1,678,100; July 24.
- Baldwin, Earl F., and F. E. Woods, assignors to American Fibre Corporation, Gardner, Mass. Machine for making fiber reed. 1,680,358; Aug. 14.
- Baldwin, Earl F., and F. E. Woods, assignors to American Fibre Corporation, Gardner, Mass. Folding and pressing mechanism. 1,680,359; Aug. 14.
- Baldwin, Edward E., New York, N. Y., assignor of one-half to J. H. Thomas, East Orange, N. J. Marine craft. 1,656,411; Jan. 17.
- Baldwin, Elnora E., Denver, Colo. Marcel hair waver. Re17,129; Nov. 13.
- Baldwin, George K. (See Baldwin, Kate D., assignor.)
- Baldwin, Gerald L., San Diego, Calif. Lawn sprinkler. 1,681,719; Aug. 21.
- Baldwin, Harry G., New Haven, assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,685,517; Sept. 25.
- Baldwin, James L., Chicago, Ill. Package elevator. 1,664,912; Apr. 3.
- Baldwin, James V., et al. (See Tangeman, William H., assignor.)
- Baldwin, James V. (See Van Hise, Lester E., assignor.)
- Baldwin, John R., jr., and R. W. Schaefer, Louisville, Ky. Spark plug. 1,671,268; May 29.
- Baldwin, Joseph P., assignor to The Kingsville Lumber Company, Kingsville, Tex. Saddle horn. 1,661,989; Mar. 6.
- Baldwin, Kate D., White Plains, N. Y., assignor to G. K. Baldwin, Los Angeles, Calif. Supporting waist. 1,660,320; Feb. 28.
- Baldwin, Leon F. N., Edgewood, assignor of one-half to B. S. Clark, Providence, R. I. Crosswalk marker. 1,686,363; Oct. 2.
- Baldwin, Leon F. N., Edgewood, assignor of one-half to B. S. Clark, Providence, R. I. Street marker. 1,661,870; Mar. 6.
- Baldwin, Leon F. N., Edgewood, assignor of one-half to B. S. Clark, Providence, R. I. Line marker for roadbeds. 1,683,121; Sept. 4.
- Baldwin Locomotive Works, The. (See Neebe, Lawrence L., assignor.)
- Baldwin Locomotive Works, The. (See Sykes, J. P., and Thompson, assignors.)
- Baldwin Locomotive Works, The. (See Vauclain, J. L., Wright, and Transue, assignors.)
- Baldwin, Nathaniel, East Mill Creek, Utah. Telephone receiver. Re16,887; Feb. 21.
- Baldwin, Nathaniel, East Mill Creek, Utah. Acoustic diaphragm and loud speaker combination. 1,661,523; Mar. 6.
- Baldwin, Nathaniel, East Mill Creek, Utah. Telephone receiver. 1,672,294; June 5.
- Baldwin, Nathaniel, East Mill Creek, Utah. Telephone receiver. 1,681,161; Aug. 21.
- Baldwin, Nathaniel, East Mill Creek, Utah. Telephone receiver. 1,683,945; Sept. 11.
- Baldwin, Nathaniel, East Mill Creek, Utah. Loud speaker. 1,683,946; Sept. 11.
- Baldwin, Nathaniel, East Mill Creek, Utah. Loud speaker. 1,687,359; Oct. 9.
- Baldwin, Robert A., Ashton-on-Mersey, England. Mode of supporting and journaling motors and high-speed shafts driven thereby. 1,679,890; Aug. 7.
- Baldwin, Rosecrans, Chicago, Ill. Seed bag. 1,693,266; Nov. 27.
- Baldwin, W. M., administrator. (See Parsons, Ernest P.)
- Balikjian, Kegham, Newark, N. J. Webbing support for upholstery. 1,689,100; Oct. 23.
- Balinky, Abraham, assignor to Everlasting Furniture Brace Co., Chicago, Ill. Furniture brace. 1,689,222; Oct. 30.
- Balis, Carl R., et al. (See Schenk, Otto, assignor.)
- Balke, Clarence W. (See Austin, M. M., and Balke.)
- Balke, Clarence W., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Obtaining vacuums. 1,691,177; Nov. 13.
- Balko, Charles, Boston, and G. L. Lyon, Van Meter, Pa. Table and chair attachment for beds. 1,656,812; Jan. 17.
- Ball, Albert P., Detroit, Mich. Poker set stand. Des. 76,658; Oct. 23.
- Ball, Albert P., assignor to Square D Company, Detroit, Mich. Switching device. 1,664,845; Apr. 3.
- Ball and Ball Carburetor Company. (See Ball, Frederick O., assignor.)
- Ball & Ball Carburetor Company. (See Ball, Frederick O. and T. M., assignors.)
- Ball, Ben A., assignor to American Textile Co., Inc., Pawtucket, R. I. Lace. Des. 74,343; Feb. 7.
- Ball, Ben A., assignor to American Textile Co., Inc., Pawtucket, R. I. Lace. Des. 74,344; Feb. 7.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 74,817; Apr. 3.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 76,659; Oct. 23.
- Ball, Ben A., assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 76,660; Oct. 23.
- Ball, Bert C., Portland, Oreg. Carburetor. 1,657,058; Jan. 24.
- Ball Brothers Company. (See Graffin, Lewis, assignor.)
- Ball Brothers Company. (See Liepold, August E., assignor.)
- Ball, Charles A. (See Peek, Clifford F., assignor.)

- Ball, Charles E. and S. H., Irwin, Calif. Scraper. 1,657,602; Jan. 31.
- Ball, Charles F., Milwaukee, Wis. Nonskid chain attachment for trucks. 1,672,050; June 5.
- Ball, Charles F., assignor to Chain Belt Company, Milwaukee, Wis. Water, power, and speed control mechanism for concrete-mixing and similar machines. 1,665,050; Apr. 3.
- Ball, Clarence R., Washington, D. C. Folding twin beds. 1,683,149; Sept. 4.
- Ball, Frederick O., assignor to Ball and Ball Carburetor Company, Detroit, Mich. Carburetor. 1,673,306; June 12.
- Ball, Frederick O. and T. M., assignors to Ball & Ball Carburetor Company, Detroit, Mich. Constant-level device. 1,695,705; Dec. 18.
- Ball, Guy M., Dayton, Ohio. Parachute flare. 1,686,117; Oct. 2.
- Ball, Harry V., Concord, Mass., assignor to R. Hoe & Co., Inc., New York, N. Y. Combined gear guard and step. 1,687,078; Oct. 9.
- Ball, Jasper T. (See Platter, O. R., and Ball.)
- Ball, John P., Chicago, Ill. Vibration detector. 1,658,183; Feb. 7.
- Ball, John P., Chicago, Ill. Apparatus for and method of treating fluids. 1,662,180; Mar. 13.
- Ball, John P., Chicago, Ill. Vibration-indicating means. 1,662,356; Mar. 13.
- Ball, John R. (See Dean, William T., assignor.)
- Ball, Joseph A. (See Troland, L. T., and Ball.)
- Ball, Joseph A., Cambridge, E. A. Gallison, Watertown, and E. A. Weaver, Brookline, assignors to Technicolor Motion Picture Corporation, Boston, Mass. Cinematographic apparatus. 1,661,157; Mar. 6.
- Ball, Odos A., et al. (See Muckelrath, Monroe M., assignor.)
- Ball, Samuel H. (See Ball, Charles E. and S. H.)
- Ball, Samuel S., Bethlehem, Pa. Removing piping and unsound metal from ingots. 1,680,493; Aug. 14.
- Ball, Thomas J., Boston, Mass. High-speed traction snowplow. 1,661,158; Mar. 6.
- Ball, Thomas M. (See Ball, Frederick O. and T. M.)
- Ballamos, Elizabeth. (See Reason, Walter M., assignor.)
- Ballantine, Stuart, and R. W. Seabury, Boonton, N. J., assignors to Radio Frequency Laboratories, Inc., Boonton, N. J. Magnetic core material. 1,682,364; Aug. 28.
- Ballard, Arthur H., Incorporated. (See Goodridge, George E., assignor.)
- Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Knitted fabric and making the same. 1,664,805; Apr. 3.
- Ballard, Harrie A., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper creasing. 1,655,124; Jan. 3.
- Ballard, Harrie A., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for removing surplus stock from shoes. 1,680,494; Aug. 14.
- Ballard, Harrie A., Beverly, Mass., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Inner sole and making the same. 1,695,408; Dec. 18.
- Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,657,059; Jan. 24.
- Ballard, Milton H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,667,184; Apr. 24.
- Ballard, Milton H., Beverly, and T. H. Seely, Melrose, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on footwear. 1,674,085; June 19.
- Ballard, Otis, Toledo, Ohio. Pneumatic piano control. 1,661,318; Mar. 6.
- Ballard, William R., New Rochelle, N. Y., assignor to American Telephone and Telegraph Company. Current-controlling device. 1,685,801; Oct. 2.
- Ballauf, Fritz, F. Muth, and A. Schmeizer, Elberfeld, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Dyestuff intermediates. 1,675,478; July 3.
- Balle, Gerhard. (See Daimler, K., Just, Balle, and Fuchs.)
- Ballentine, William I., and P. R. Thompson, assignors to Advance-Rumely Company, La Porte, Ind. Automatic clamp preventive. 1,663,790; Mar. 27.
- Ballentine, William I., and P. R. Thompson, assignors to Advance-Rumely Company, La Porte, Ind. Rein guide. 1,671,396; May 29.
- Ballert, Otto, Berlin, Germany. Tipping car. 1,677,263; July 17.
- Ballman, Edwin C., St. Louis, Mo. Short-circuiting device. 1,654,776; Jan. 3.
- Ballman, Edwin C., St. Louis, Mo. Centrifugal switch. 1,673,896; June 19.
- Ballman, Edwin C., assignor to Baldor Electric Company, St. Louis, Mo. Motor-starting device. 1,673,546; June 12.
- Ballman, Edwin C., assignor to Valley Electric Company, St. Louis, Mo. Variable resistance. 1,677,886; July 24.
- Ballman, Edwin C., St. Louis, Mo., assignor to Valley Electric Company, Wilmington, Del. Motor-starting device. 1,684,937; Sept. 18.
- Ballman, Edwin C., St. Louis, and E. P. Evers, Overland, Mo., assignors, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Projecting apparatus. Re17,037; July 17.
- Ballman, Edwin C., St. Louis, and E. P. Evers, Overland, Mo., assignors, by mesne assignments, to Acme Motion Picture Projector Company, Chicago, Ill. Projecting apparatus. Re17,038; July 17.
- Ballner, Stephen, Chicago, Ill. Window. 1,664,016; Mar. 27.
- Ballot, Ernest M., Paris, France. Apparatus for regulating the tension of chains. 1,662,229; Mar. 13.
- Ballot, Ernest M., Paris, France. Suspension without axles for motor vehicles. 1,687,191; Oct. 9.
- Ballou, B. A., & Co. (See Ballou, F. A., jr., and Morehouse, assignors.)
- Ballou, B. A., & Co. (See Ballou F. A., and Stafford, assignors.)
- Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
- Ballou, B. A., & Co. (See Roberts, George H., assignor.)
- Ballou, Frederick A., Nayatt, and R. T. Stafford, East Providence, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Shoe strap. Des. 75,710; July 10.
- Ballou, Frederick A., Nayatt, and R. T. Stafford, East Providence, assignors to B. A. Ballou & Co., Inc., Providence, R. I. Shoe strap. 1,660,215; Feb. 21.
- Ballou, Frederick A., Nayatt, and R. T. Stafford, East Providence, assignors to B. A. Ballou & Co., Inc., Providence, R. I. Ankle strap for shoes. 1,663,480; May 1.
- Ballou, Frederick A., Nayatt, and R. T. Stafford, East Providence, assignors to B. A. Ballou & Co., Inc., Providence, R. I. Shoe strap. 1,663,481; May 1.
- Ballou, Frederick A., jr., and E. Morehouse, Providence, R. I., assignors to B. A. Ballou & Co., Inc., Providence, R. I. Guard for stickpins. 1,676,376; July 10.
- Ballou, George C., San Jose, Calif. Binding device. 1,657,190; Jan. 24.
- Ballou, George F., New York, N. Y., assignor to The Mennen Company, Newark, N. J. Closure retainer. 1,657,562; Jan. 31.
- Ballou, Howard M., (See Ballou, Walter B. and H. M., and Wall.)
- Ballou, Howard M., assignor to R. Blackinton & Co., North Attleboro, Mass. Belt strap. 1,667,696; Apr. 24.
- Ballou, Virgil, Des Moines, Iowa. Furnace. 1,696,538; Dec. 25.
- Ballou, Walter B. and H. M., and L. S. Wall, assignors to R. Blackinton & Co., North Attleboro, Mass. Binding corner. 1,686,483; Oct. 2.
- Ballowe, Leigh M., assignor to T. G. Smith, Dallas, Tex. Fastening and releasing means for document receptacles. 1,696,181; Dec. 25.
- Bally, Albert C., Toledo, Ohio. Spring shackle. 1,695,943; Dec. 18.
- Balmat, Cecil H., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Liquid-fuel burner. 1,694,366; Dec. 11.
- Balmer, John H., Maplewood, N. J. Combination bath fixture. Des. 75,819; July 24.
- Balmer, John H., Maplewood, N. J. Combination bath fixture. Des. 75,820; July 24.
- Balmer, John H., Maplewood, N. J. Towel-bar bracket. Des. 76,369; Sept. 25.
- Balmforth, Ezra H., Medford, assignor to Samuel Ward Manufacturing Company, Boston, Mass. Combination case. 1,659,588; Feb. 21.
- Bahnjan, Peter, Pancevo, Yugoslavia, assignor to J. Yahraus, and K. and J. Goettl, trustees, Mansfield, Ohio. Variegated and changeable color sign. 1,686,615; Oct. 9.
- Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Combined variable-capacity and constant-volume pump. 1,670,229; May 15.
- Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Pump-control device. 1,693,540; Nov. 27.
- Balt Manufacturing Co. (See Lemmon, George N., assignor.)
- Balthasar, Arthur, Montclair, N. J. Warp beam. 1,656,897; Jan. 24.
- Baltheiser, Adele. (See Schaefer, August, assignor.)
- Baltimore Bottle Machine Corporation. (See Nixon, Clarence R., assignor.)
- Balton, James L., Baltimore, Md. Ice-cream cone. Des. 77,145; Dec. 11.
- Baltz, Philip G. (See Thorne, Clarence O., assignor.)
- Baltzer, Henry P., Hamburg, N. Y. Buckle. 1,684,786; Sept. 18.
- Baltzley, Louis E., Glen Ridge, N. J. Wire terminal. 1,662,946; Mar. 20.
- Balz, Otto. (See Griessbach, R., Balz, and Rössler.)
- Balzano, Oreste. (See Carmichael, A. J., and Balzano.)
- Balzer, Fritz, Moline, assignor, by mesne assignments, to Troy Laundry Machinery Company, Inc., Dover, Del. Centrifugal extractor. 1,694,614; Dec. 11.
- Balzer, Werner H., assignor to The Ansonia Clock Company, New York, N. Y. Clock case. Des. 76,595; Oct. 16.
- Bambersger, Henry, Brooklyn, N. Y. Sink cleaner. 1,681,082; Aug. 14.
- Bamford, William E., Belfast, Northern Ireland. Manufacture of confectionery. 1,694,576; Dec. 11.
- Banbury, Fernley H., assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Rubber-mixing machine. 1,689,990; Oct. 30.
- Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Surface condenser. 1,670,562; May 22.

- Bancroft, Albert F., West Newton, Mass. Insertable pad for shoes. 1,695,134; Dec. 11.
- Bancroft, Erwin P., J. C. Burkholder, jr., Brooklyn, N. Y., and W. A. Phelps, Athenia, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Picture-transmission system. 1,659,716; Feb. 21.
- Bancroft, Frank E., Longsight, Manchester, assignor to Ripaults, Limited, London, England. Variable-capacity electric condenser. 1,676,002; July 3.
- Bancroft, James, Accrington, England, assignor to H. & B. American Machine Company, Pawtucket, R. I. Roller for cleaning and stripping the cylinders of carding machines or loosening fiber therefrom. 1,662,658; Mar. 13.
- Bancroft, Joseph, & Sons Co. (See Berry, William, assignor.)
- Band-Bound Box Company. (See Campbell, Arthur T., assignor.)
- Band-Bound Box Company. (See Wilcox, William A., assignor.)
- Bandemer, William E. (See King H. W., and Bandemer.)
- Bandholtz, Frank A., Brooklyn, N. Y. Safety tread. 1,658,756; Feb. 7.
- Bandlow, Walter. (See Pelletier, E. F., and Bandlow.)
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treating magnetizable materials. 1,666,191; Apr. 17.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,646; May 15.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,647; May 15.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,648; May 15.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material, process of producing it, and electromagnetic device incorporating such material. 1,673,790; June 19.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conductor for the transmission of electrical energy and producing the same. 1,691,029; Nov. 13.
- Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Conductor for the transmission of electrical energy and producing the same. 1,696,262; Dec. 25.
- Bane, Ferman L., Cincinnati, Ohio. Combined measuring and drafting instrument. 1,696,832; Dec. 25.
- Bane, Oscar W., Cumberland, Md. Carpenter's combination tool. 1,695,944; Dec. 18.
- Bane, Robert. (See Lowman, M. C., Fentress, and Bane.)
- Baney, Harry N., Muncie, Ind. Salt and pepper shaker. Des. 75,998; Aug. 14.
- Bang, Niels C. (See Howe, F. A., and Bang.)
- Bang, Paul E., Newton, Mass. Windshield cleaner. 1,688,104; Oct. 16.
- Bangert, Charles A., Ocala, Fla. Air-conditioning apparatus. 1,682,546; Aug. 28.
- Bangert, Heinrich, and G. Hühn, Düsseldorf, Germany. Regenerative furnace. 1,691,913; Nov. 20.
- Bank of Pittsburgh, N. A., administrator, The. (See Kann, William L.)
- Banker, Olin E., Wilkes-Barre, Pa. Radio operator's chair. 1,662,947; Mar. 20.
- Bankers Electric Protective Association. (See Crawford, Franklin E., assignor.)
- Bankers Equipment Company. (See Harrison, Cecil B., assignor.)
- Bankers Savings & Credit System Company, The. (See Baughman, O. F., and Cady, assignors.)
- Bankers Savings & Credit System Company, The. (See Baughman, O. F., and Habart, assignors.)
- Bankoff, Abraham. (See Rhodes, W. A., and Bankoff.)
- Bankrat, John S., Hempstead, N. Y. Propeller. 1,667,506; Apr. 24.
- Banks, Herbert B., Chicago, Ill. Baby cab. 1,695,409; Dec. 18.
- Banks, Joseph L., Baltimore, Md. Musical instrument. Re16,986; June 5.
- Banks, Joseph L., assignor to The Rolmonica Music Co., Baltimore, Md. Making records. 1,662,948; Mar. 20.
- Banks, Joseph L., assignor to The Rolmonica Music Co., Baltimore, Md. Recording machine. 1,662,949; Mar. 20.
- Banks, Mark B., Knoxville, Tenn. Shoe. 1,677,226; July 17.
- Banks, Reeve H., Pittsburgh, Pa. Receptacle. 1,681,210; Aug. 21.
- Banks, Robert W., Eldorado, Ark. Adjustable bookholder. 1,682,060; Aug. 28.
- Banks, Robert W., Eldorado, Ark. Garment-hanger attachment. 1,682,106; Aug. 28.
- Banks, William C., Jersey City, N. J., and E. E. Schmid, Hollis, N. J. Bracket insulator. 1,671,338; May 29.
- Bankson, William R., Pittsburgh, Pa. Mail box. 1,684,384; Sept. 18.
- Bankus, Albert, Portland, Oreg., and G. S. Backus, San Francisco, Calif. Reclaiming suspended solids from white water of paper manufacture. 1,670,874; May 22.
- Bankwitz, Frederick E., assignor of one-third to L. N. Hemenway and one-third to T. J. Seward, Parkersburg, W. Va. Clothesline. 1,659,556; Feb. 21.
- Banner, Elbert C., Buffalo, N. Y. Electric heater. Des. 74,709; Mar. 20.
- Banner, George A., assignor of one-third to B. J. Bates and one-third to C. Andersen, Omaha, Nebr. Print plate. 1,693,332; Nov. 27.
- Banner, Otto A., Milwaukee, Wis. Oil engine. 1,692,150; Nov. 20.
- Banner, Otto A., assignor to The Falk Corporation, Milwaukee, Wis. Oil engine. 1,683,752; Sept. 11.
- Banner Rock Products Co. (See Powell, Edward R., assignor.)
- Banning, Thomas A., jr., Wilmette, Ill. Vehicle transmission and control device and the like. 1,657,603; Jan. 31.
- Banning, Thomas A., jr., Wilmette, Ill. Meter and the like. 1,660,641; Feb. 28.
- Banning, Thomas A., jr., Wilmette, Ill., assignor to Technidyne Corporation, New York, N. Y. Inductive unit and the like. 1,667,715; May 1.
- Banning, Thomas A., jr., Wilmette, Ill. Pumping and metering apparatus. 1,692,921; Nov. 27.
- Bannister, Alfred E., Duluth, Minn. Recoil-control device. 1,671,567; May 29.
- Bannister, William J. (See Woodruff, J. C., Bloomfield, and Bannister.)
- Bannister, William J., assignor to Commercial Solvents Corporation, Terra Haute, Ind. Normal tributyl borate. 1,668,797; May 8.
- Bannister, William J., assignor to Commercial Solvents Corporation, Terra Haute, Ind. Manufacture of esters. 1,695,449; Dec. 18.
- Banschbach, Edward A., Chicago, Ill. Adjustable file and holder. 1,681,318; Aug. 21.
- Bansen, Hugo, Friemersheim, Germany. Gas burner. 1,656,907; Jan. 24.
- Banta, George F., assignor of one-half to L. A. Banta, and one-half to F. B. Kerr, Clearfield, Pa. Door closure. 1,661,554; Mar. 6.
- Banta, George, Chicago, Ill. Device for applying material to the skin. 1,655,215; Jan. 3.
- Banta, Len A., et al. (See Banta, George F., assignor.)
- Bantin, Frederick C., Salamanca, N. Y. Ball-bearing connection. 1,656,970; Jan. 24.
- Banton, Albert W., assignor to O. F. Jordan Company, East Chicago, Ind. Railroad spreader. 1,656,618; Jan. 17.
- Bany, Herman, Scotia, N. Y., assignor to General Electric Company. System of electric distribution. 1,666,435; Apr. 17.
- Bany, Herman, Scotia, and D. C. Hoffmann, Schenectady, N. Y., assignors to General Electric Company. Control of electric circuits. 1,677,702; July 17.
- Bany, Herman, Scotia, N. Y., and H. T. Seeley, Yeaddon, Pa., assignors to General Electric Company. Automatic control system. 1,695,004; Dec. 11.
- Bany, Herman, Schenectady, N. Y., assignor to General Electric Company. Control system. 1,670,093; May 15.
- Banzhaf, Elmin T., San Francisco, Calif., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Electric ignition system for gas burners. 1,655,528; Jan. 10.
- Baquet, Hubert C., Melbourne, Victoria, Australia. Resilient wheel. 1,673,547; June 17.
- Baran, Michal, Harvey, Ill. Furnace. 1,688,105; Oct. 16.
- Barany, Edmund R., Brooklyn, N. Y. Vanity case. 1,695,677; Dec. 18.
- Barany, Edmund R., Brooklyn, N. Y., assignor to French Battery Company, Madison, Wis. Electric switch. 1,671,623; May 29.
- Barany, Edmund R., Brooklyn, N. Y., assignor to French Battery Company, Madison, Wis. Electric switch. 1,673,436; June 12.
- Barany, Edmund R., Brooklyn, N. Y., assignor to French Battery Company, Madison, Wis. Flash light. 1,676,849; July 10.
- Barany, Edmund R., Brooklyn, N. Y., assignor to French Battery Company, Madison, Wis. Electrical handlamp. 1,695,876; Dec. 18.
- Baratt, David, Roxbury, Mass. Sectional impression tray. 1,665,293; Apr. 10.
- Barbará, Stanley, New York, N. Y. Belt. 1,674,585; June 19.
- Barbarite Corporation. (See Barrett, Harold G., assignor.)
- Barber Asphalt Company, The. (See Barnes, Eugene L., assignor.)
- Barber Asphalt Company, The. (See Forrest, C. N., Miller, and Babb, assignors.)
- Barber Asphalt Company, The. (See Hayden, Harold P., assignor.)
- Barber Asphalt Company, The. (See Ritter, George, assignor.)
- Barber-Colman Company. (See Colman, Howard D., assignor.)
- Barber-Colman Company. (See Edgar, John, assignor.)
- Barber-Colman Company. (See Mitchell, Raymond C., assignor.)
- Barber-Colman Company. (See Noling, Martin N., assignor.)
- Barber-Colman Company. (See Peterson, Burt A., assignor.)
- Barber, Earl F., Kansas City, Kans. Awning. 1,688,776; Oct. 23.
- Barber, Edmund, Troy, and N. Ingraham, Athol, N. Y. Dirigible headlight. 1,689,712; Oct. 30.

- Barber Electric Manufacturing Company. (See Lundin, Ragnar O. W., assignor.)
- Barber, Frank E., Brooklyn, assignor to Intertype Corporation, New York, N. Y. Casting means for typographical machines. 1,696,074; Dec. 18.
- Barber, Frank H., New Rochelle, N. Y. Tire attachment. 1,672,019; June 5.
- Barber, George G., New York, N. Y., assignor to Continental Baking Company, Wilmington, Del. Food package. 1,687,052; Oct. 9.
- Barber-Greene Company. (See Barber, Harry H., assignor.)
- Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Digging member for ditching machines. Re16,997; June 19.
- Barber, Harry H., assignor to Barber-Greene Company, Aurora, Ill. Portable conveyor. Re17,160; Dec. 11.
- Barber, Herbert. (See Tate, H. E., King, and Barber.)
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Printing and delivery mechanism. 1,660,781; Feb. 28.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Printing, folding and delivery mechanism. 1,660,782; Feb. 28.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet-folding mechanism. 1,667,369; Apr. 24.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet-folding mechanism. 1,667,370; Apr. 24.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Collecting folding, and delivery mechanism for printing presses. 1,676,882; July 10.
- Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet-feeding mechanism for printing presses. 1,692,023; Nov. 20.
- Barber, James T., Brooklyn, N. Y. Micrometer gauge for roller mills. 1,687,192; Oct. 9.
- Barber, Quay C., Cleveland, Ohio. Peening tool. 1,669,116; May 8.
- Barber, William, Brooklyn, N. Y. Sheet-metal wheel. 1,686,509; Oct. 9.
- Barber, William A., Washington Township, Carroll County, Ill. Vertical sickle divider for grain-harvesting machinery. 1,677,668; July 17.
- Barber, William J., Delphos, Ohio, assignor to The Delphos Mop Company. Dust mop. 1,660,062; Feb. 21.
- Barber, William J., assignor to The E. & N. Manufacturing Company, Delphos, Ohio. Cleaning implement. 1,685,265; Sept. 25.
- Barbet, Emile A., Paris, France. Apparatus for the production of formol by catalysis. 1,661,063; Feb. 28.
- Barbet, Emile A., Paris, France. Apparatus for the continuous preliminary treatment of crude benzoles. 1,693,774; Dec. 4.
- Barbier, Alexandre, Lyon, France. Shuttle-box motion for looms. 1,660,985; Feb. 28.
- Barbier, Noël J., St-Tienne-Leire, France. Treating articles in metallic baths. 1,654,910; Jan. 3.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Manufacturing Company, Chicago, Ill. Cup dispenser. 1,657,850; Jan. 31.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co. Dish-forming machine. 1,661,248; Mar. 6.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Cup dispenser. 1,661,455; Mar. 6.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Nested-flat-cup carton and filler. 1,672,110; June 5.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Sundae-dish-forming machine. 1,684,465; Sept. 18.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co. Dispenser and method of use. 1,693,883; Dec. 4.
- Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co. Conical-cup dispenser. 1,694,157; Dec. 4.
- Barbour, Clifford W., and L. S. Carson, Norman, Okla. Closure seal. 1,683,015; Sept. 4.
- Barbour Flax Spinning Co. (See Barbour, Robert, assignor.)
- Barbour, Fred R., Los Angeles, Calif. Tent. 1,686,507; Oct. 9.
- Barbour, Fred W., Toronto, Ontario, Canada. Method of and apparatus for attaching flexible retaining margins to artificial dentures. 1,669,732; May 15.
- Barbour, John A., et al. (See Lyon, Harry, assignor.)
- Barbour, Milton C., Hermosa Beach, Calif. Garment-rack card holder. 1,670,291; May 22.
- Barbour, Perley E., et al. (See Lyon, Harry, assignor.)
- Barbour, Perley E. (See Lyon, Harry, assignor.)
- Barbour, Robert, assignor to Barbour Flax Spinning Co., Paterson, N. J. Spinning machine. 1,683,436; Sept. 4.
- Barbour, Thomas, Belfast, Ireland. Hackling machine. 1,661,212; Mar. 6.
- Barbour, Thomas, Belfast, Ireland. Hackling machine. 1,661,213; Mar. 6.
- Barbour Welting Company. (See Lyon, Harry.)
- Barbour Welting Company. (See Lyon, Harry, assignor.)
- Barcalo Manufacturing Company. (See Vallone, Charles, assignor.)
- Barchfeld, Martin J., Pittsburgh, Pa. Dental plate brush. 1,674,154; June 19.
- Barchfeld, Martin J., Pittsburgh, Pa. Brush for cleaning artificial dentures. 1,683,947; Sept. 11.
- Barchoff, Abraham, New York, N. Y. Tray and making same. 1,685,116; Sept. 25.
- Barclay, Earle H. (See Patrick, W. A., and Barclay.)
- Barclay, Gustaf I., assignor to Detroit Steel Products Company, Detroit, Mich. Window. 1,665,431; Apr. 10.
- Barclay, Gustaf I., assignor to Detroit Steel Products Company, Detroit, Mich. Window. 1,665,432; Apr. 10.
- Barclay, Gustaf I., assignor to Detroit Steel Products Company, Detroit, Mich. Sash-operating mechanism. 1,677,380; July 17.
- Barclay, Gustaf I., assignor to Detroit Steel Products Co., Detroit, Mich. Fastener for ventilators. 1,687,263; Oct. 9.
- Barclay, William J., assignor of one-half to W. A. King, Springfield, Mo. Attachment for cheekrow planters. 1,678,758; July 31.
- Barclay, William R., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Support. 1,679,346; Aug. 7.
- Barclay, William R., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 1,681,211; Aug. 21.
- Barclay, William R., and F. B. Keall, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,693,634; Dec. 4.
- Barcus, George N., Andrews, Ind. Spark plug. 1,662,878; Mar. 20.
- Bard, Dale R., Bryan, Ohio. Nailing strip. 1,657,851; Jan. 31.
- Bard, Dale R., Bryan, Ohio. Fastener for roofing sheets. 1,692,401; Nov. 20.
- Bard, Francis N. (See Marsh, Joseph R. C., assignor.)
- Bardach, Lloyd H., and A. G. Larson, assignors to R. H. Van Sant, Chicago, Ill. Vibratory toothbrush. 1,658,278; Feb. 7.
- Bardaxoglou, Stanley, New York, N. Y. Milk-bottle protector. 1,687,153; Oct. 9.
- Bardello, Antonio, assignor to Ainsworth Buck, Incorporated, New York, N. Y. Safety anchor mounting. 1,665,837; Apr. 10.
- Barden, George L. (See Watson, A. L., and Barden.)
- Barden, Herbert W. (See Settles, Simon G., assignor.)
- Bardet, Edouard, New York, N. Y. Safety-razor-blade holder. 1,665,125; Apr. 3.
- Bardon, Donis M., Seattle, Wash. Cable-connecting means. 1,694,051; Dec. 4.
- Bardon and Oliver. (See Hornberger, Earl J., assignor.)
- Bardons and Oliver. (See Hornberger, Earl J.)
- Bardwell, Ralph S., assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Bracket lantern. Des. 74,348; Feb. 7.
- Bardwell, Ralph S., assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Lighting fixture. Des. 74,472; Feb. 21.
- Barel, Umberto, Renton, Wash. Vehicle. 1,655,353; Jan. 3.
- Barennes, Robert, Bordeaux, France. Composing apparatus for type-setting machines. 1,696,515; Dec. 25.
- Barenchi, Louis P. (See Wellington, George S., assignor.)
- Barfield, William, Clearwater, Fla., assignor to The Hills Brothers Company. Tool for removing the meat from citrus fruits. 1,668,226; May 1.
- Barfknecht, Lloyd H. (See Matthew, F. H., Broadbent, and Vosgerau, assignor.)
- Bargeboer, Adolf, Rotterdam, Netherlands. Feeding device. 1,692,536; Nov. 20.
- Bargen, William J., Missoula, Mont. Article of furniture. 1,676,174; July 3.
- Barger, Ralph, Frankfurt, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,660,216; Feb. 21.
- Barhoff, Fred W., Hartford, and W. C. Brooks, Meriden, assignors to The Hartford Battery Manufacturing Company, Southington, Conn. Salt for electrolytic rectifiers. 1,658,914; Feb. 14.
- Baril, Joseph R. (See Bohnhardt, Charles F. H., assignor.)
- Barish, Louis D., New York, N. Y. Stocking. Des. 76,448; Oct. 2.
- Bark, Arnold P., Pittsburgh, and L. Johnson, Ingram, assignors to The United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for shearing. 1,657,295; Jan. 24.
- Barkby, Harry, New Castle, Pa., assignor to Warwick China Company, Wheeling, W. Va. Plate or similar article. Des. 75,093; May 8.
- Barke, Frank S., St. Louis, Mo. Valve mechanism. 1,667,138; Apr. 24.
- Barkeij, Jean A. H., Los Angeles, Calif. Internal-combustion engine. 1,666,159; Apr. 17.
- Barkeij, Jean A. H., Los Angeles, Calif. Sleeve-valve internal-combustion engine. 1,666,160; Apr. 17.
- Barkeley Electric Manufacturing Company, The. (See McLaughlin, William E., assignor.)
- Barker, Arthur H., Westminster, London, England. Heating and cooling device for buildings. 1,671,563; May 29.
- Barker, Benjamin F., El Paso, Tex., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,690,848; Nov. 6.
- Barker Bros., Incorporated. (See Krick, George W., assignor.)

- Barker, Charles E., San Francisco, Calif. Drawing board. 1,688,516; Oct. 23.
- Barker, David, Liverpool, England, assignor to A. J. Sorbello, New York, N. Y. Sectional smoking pipe. 1,669,369; May 8.
- Barker, Edwin H., Moylan, Pa. Oilier. 1,688,372; Oct. 23.
- Barker, Galen D. (See Culp, G. K., jr., Barker, and Sturges.)
- Barker, Horace E., Brooklyn, N. Y. Dental device. 1,661,713; Mar. 6.
- Barker, Horace E., Brooklyn, N. Y. Dental device. 1,687,079; Oct. 9.
- Barker, Horace E., Brooklyn, N. Y. Dental device. 1,694,636; Dec. 11.
- Barker, John, London, England. Vehicle tire. 1,678,631; July 31.
- Barker, Justin N. and M. N., Santa Monica, Calif. Toilet-seat accessory. 1,682,592; Aug. 28.
- Barker, Leo, Wayne, assignor to Starlighters, Inc., Philadelphia, Pa. Airplane advertising device. 1,695,078; Dec. 11.
- Barker, Lincoln, assignor to Trippe, Barker & Co., New York, N. Y. Textile fabric. Des. 75,145; May 15.
- Barker, Lincoln, assignor to Trippe, Barker & Co., New York, N. Y. Textile fabric. Des. 76,908; Nov. 20.
- Barker, Majorie N. (See Barker, J. N., and M. N.)
- Barker, Stanley E., Chicago, Ill. Temperature-indicating mechanism. 1,695,838; Dec. 18.
- Barker, Seth S., and A. W. Bruce, Ottumwa, Iowa. Semi-sculding tank for fowls. 1,672,555; June 5.
- Barker, Theodore E. (See Skaer, A. H., Barker, and Clark.)
- Barker, Virgil D. (See Woodford, Joe C., assignor.)
- Barker, William M., Canton, and L. C. Bonnot, Louisville, Ohio. Pulverizing mill. 1,673,483; June 12.
- Barker, William M., Canton, Ohio. Balanced ball mill. 1,692,974; Nov. 27.
- Barker, William S., Knightstown, Ind. Coal-gas and oxygen burner. 1,636,508; Oct. 9.
- Barker, William T., jr., assignor to Hartford-Empire Company, Hartford, Conn. Glass press. 1,679,848; Aug. 7.
- Barker, William W., Jones City, Okla. Mowing machine. 1,659,511; Feb. 14.
- Barkley, William B., Newton Center, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe having concealed eyeleting. 1,690,188; Nov. 6.
- Barks, Frank S., St. Louis, Mo. Lubricating device. 1,654,673; Jan. 3.
- Barks, Frank S., St. Louis, Mo. Lubricator. 1,673,134; June 12.
- Barks, Frank S., assignor to Lincoln Steel & Forge Company, St. Louis, Mo. Roller bearing. 1,670,433; May 22.
- Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Highway post. Des. 75,322; May 29.
- Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Capital construction. 1,660,908; Feb. 28.
- Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Centrifuge and mold holder therefor. 1,663,896; Mar. 27.
- Barkschat, Henry, assignor to Marbelite Corporation of America, Los Angeles, Calif. Making hollow molds. 1,692,433; Nov. 20.
- Barley, Harry, San Francisco, Calif. Fuel-oil burner. 1,655,083; Jan. 3.
- Barley, William B., Pittsford, N. Y. Dishwashing machine. 1,658,548; Feb. 7.
- Barling, Walter H., Astoria, N. Y. Empennage and plane arrangement. 1,677,069; July 10.
- Barlow, Harry, Port Madison, assignor to Barlow Marine Elevator Co., Inc., Seattle, Wash. Marine elevator. 1,682,208; Aug. 28.
- Barlow, Lester P., Detroit, Mich. Engine-cooling system. 1,660,314; Feb. 28.
- Barlow Marine Elevator Co. Inc. (See Barlow, Harry, assignor.)
- Barmore, Mary G., et al. (See Phelps, Cyrus A., assignor.)
- Barna, Joseph W., and N. A. Thomas, Chicago, Ill. Perforating machine. 1,672,874; June 12.
- Barna, Joseph W., and N. A. Thomas, Chicago, Ill. Eyeletting machine. 1,690,521; Nov. 6.
- Barnaby, James E., Garnett, Kans. Railway-crossing signal. 1,671,880; May 29.
- Barnard, Arthur W., Newton Center, assignor to Colonial Scale Company, Boston, Mass. Coin-controlled machine. 1,691,631; Nov. 13.
- Barnard, Davis, Apple Valley, Calif. Pump plunger. 1,696,563; Dec. 25.
- Barnard, Fred C. (See Wood, F. H., and Barnard.)
- Barnard, Harry, assignor to Union Draft Gear Co., Chicago, Ill. Draft gear. 1,670,335; May 22.
- Barnard, Russell E., assignor to The R. Hardesty Manufacturing Company, Denver, Colo. Flume construction. 1,667,234; Apr. 24.
- Barnard, Therides V., Schaller, Iowa, and R. L., and L. Mackey, Ipswich, S. Dak. Power-driven corn harvester. 1,690,809; Nov. 6.
- Barnard, Walter E., assignor to Barr-Morse Corporation, Ithaca, N. Y. Typewriter and the like. 1,677,165; July 17.
- Barnay, Antoine, Paris, France. Automatic switching system. 1,678,318; July 24.
- Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Treating gases. 1,660,642; Feb. 28.
- Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Apparatus for treating gases. 1,661,104; Feb. 28.
- Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Treating gases. 1,661,149; Feb. 28.
- Barnebey, Oscar L., Cleveland, Ohio, assignor to American Solvent Recovery Corporation. Separating liquids. 1,661,403; Mar. 6.
- Barnebey, Oscar L., Columbus, Ohio. Revivifying of spent decolorizing materials. 1,677,947; July 24.
- Barnebey, Oscar L., Columbus, Ohio, assignor to American Solvent Recovery Corporation. Separating and recovering gases. 1,680,840; Aug. 14.
- Barnes, Arthur C., Baltimore, Md. Game. 1,663,235; Mar. 20.
- Barnes, De Witt, Cleveland, Ohio. Headlight attachment. 1,656,466; Jan. 17.
- Barnes Drill Company. (See Johnson, Albert M., assignor.)
- Barnes, Eugene L., Buffalo, N. Y., assignor to The Barber Asphalt Company, Philadelphia, Pa. Compressor. 1,675,686; July 3.
- Barnes, Eugene L., Watertown, N. Y., assignor to The Barber Asphalt Company, Philadelphia, Pa. Compressor. 1,696,564; Dec. 25.
- Barnes, George, assignor of one-third to J. G. Applegath and one-third to G. W. Jenkins, Princeton, Ind. Fish-plate bond. 1,667,452; Apr. 24.
- Barnes, Gladeon M., Hastings, Mich. Transporting heavy artillery. 1,672,146; June 5.
- Barnes, Harold S., Allentown, Pa. Poultry feeder. 1,692,807; Nov. 27.
- Barnes, Henry, Cleveland, Ohio. Toothbrush. 1,657,450; Jan. 31.
- Barnes, Horace. (See Card, D. B., and Barnes.)
- Barnes, John A., Chappaqua, assignor to The Superheater Company, New York, N. Y. Superheater. 1,689,317; Oct. 30.
- Barnes, John S., assignor to W. F. & John Barnes Co., Rockford, Ill. Machine tool. 1,668,885; May 8.
- Barnes, John S., assignor to W. F. & John Barnes Co., Rockford, Ill. Drilling machine. 1,673,897; June 19.
- Barnes, Llewellyn T., assignor to The Gem Engineering Corporation, Hempstead, N. Y. Switching apparatus. 1,664,586; Apr. 3.
- Barnes, Llewellyn T., assignor to The Gem Engineering Corporation, Hempstead, N. Y. Switching apparatus. 1,688,848; Oct. 23.
- Barnes, Ned E., Willis, Tex. Tie plate and joint brace. 1,655,305; Jan. 3.
- Barnes, Ned E., Willis, Tex. Pole, post, and tree protector. 1,673,729; June 12.
- Barnes, Pierre. (See Crossett, Lewis D., assignor.)
- Barnes Scale Company. (See King, Bert W., assignor.)
- Barnes, Thomas J., Azusa, Calif. Pulverizer-disk construction. 1,682,468; Aug. 28.
- Barnes, W. F. & John, Co. (See Barnes, John S., assignor.)
- Barnes, William C., Gadsden, Ala. Water wheel. 1,671,005; May 22.
- Barrett, Edward G., Concordville, Pa. Basket carrier. 1,659,130; Feb. 14.
- Barnett, Edward L., New York, N. Y. Golf apparatus. 1,657,913; Jan. 31.
- Barnett, James, Baltimore, Md. Radiocondenser. 1,661,159; Mar. 6.
- Barnet Leather Company. (See Laemmle, George J., assignor.)
- Barnett, Louis, assignor to Standard Flexible Electric Cable Corporation, Brooklyn, N. Y. Electric-outlet-box support. 1,692,806; Nov. 27.
- Barney, Andrew S., sr., Flushing, N. Y. Valve spring. 1,694,435; Dec. 11.
- Barney, Arthur L., assignor to Tiffany & Company, New York, N. Y. Spoon or analogous article. Des. 75,203; May 22.
- Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,666,230; Apr. 17.
- Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,696,789; Dec. 25.
- Barney, Freeman, assignor to The Challenge Machinery Company, Grand Haven, Mich. Safety device. 1,655,587; Jan. 10.
- Barney, William R., assignor to W. C. Norris, Tulsa, Okla. Rod clamp. 1,663,754; May 8.
- Barney, William R., assignor to W. C. Norris, Tulsa, Okla. Making clamps. 1,677,264; July 17.
- Barney, William R., assignor to W. C. Norris, Tulsa, Okla. Pumping jack. 1,696,182; Dec. 25.
- Barnhart Brothers & Spindler. (See Brink, Lewis R., assignor.)
- Barnhart, Edwin. (See Bent, Q., Barnhart, and Wood.)
- Barnhart, George E. (See Elton, M. S., and Barnhart.)
- Barnhart, George E., Pasadena, Calif. Pontoon for hydro-aeroplanes and producing the same. 1,656,412; Jan. 17.
- Barnhart, George E., Los Angeles, Calif. Room heater. 1,695,079; Dec. 11.
- Barnhart, Joseph R., assignor to W. M. Scott, Cleveland, Ohio. Synchronous electric vibrator. 1,681,720; Aug. 21.

- Barrows, Donald S., Rochester, N. Y. Side frame. 1,694,577; Dec. 11.
- Barrows, Donald S., Rochester, N. Y. Striking casting. 1,694,960; Dec. 11.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Adjustable pedestal way liner. 1,667,453; Apr. 24.
- Barrows, Donald S., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Journal-box lid. 1,677,321; July 17.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Truck side frame. 1,679,925; Aug. 7.
- Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,680,657; Aug. 14.
- Barrows, George S., assignor to General Fire Extinguisher Company, Providence, R. I. Radiator. 1,663,529; Mar. 20.
- Barrows, Robert Y., Inc. (See Barrows, R. Y., and Curtis, assignors.)
- Barrows, Robert Y., Rutherford, N. J., and H. P. Curtis, assignors to Robert Y. Barrows, Inc., New York, N. Y. Phonograph. 1,690,267; Nov. 6.
- Barry, Bert, Mount Eden, Auckland, New Zealand. Electrical water heater. 1,669,964; May 15.
- Barry, Donald S., Cedar Rapids, Iowa. Loader. 1,683,646; Sept. 11.
- Barry, James, Grafton, Calif. Dishwashing machine. 1,662,181; Mar. 13.
- Barry, James J., Gloucester, Mass. Treating crustacea. 1,677,579; July 17.
- Barry, Louis J., Newport, R. I., assignor to the Government of the United States, represented by the Secretary of the Navy. Torpedo. 1,672,295; June 5.
- Barry, Richard V., Ottumwa, Iowa. Seed dropper. 1,688,067; Oct. 16.
- Barry-Wehmiller Machinery Company. (See Dawson, Joseph W., assignor.)
- Barry-Wehmiller Machinery Company. (See Dawson, J. W., and Herold, assignors.)
- Barry-Wehmiller Machinery Company. (See Herold, James L., assignor.)
- Barry, William B., jr., East Orange, and E. G. Myers, Montclair, N. J. Electric marker lamp for railroad trains. 1,657,363; Jan. 24.
- Barrymore Concrete Mixer Corporation. (See Barrymore, O. C., and Daddisman, assignors.)
- Barrymore, Orson C., and R. A. Daddisman, assignors to Barrymore Concrete Mixer Corporation, San Francisco, Calif. Concrete-mixer water control. 1,690,849; Nov. 6.
- Barshell, David. (See Barshell, Frederick B., assignor.)
- Barshell, Frederick B., assignor of one-half to D. Barshell, New York, N. Y. Motor vehicle and steering device. 1,681,893; Aug. 21.
- Barsky, George. (See Buchanan, G. H., and Barsky.)
- Barsky, George, assignor to American Cyanamid Company, New York, N. Y. Making esters. 1,678,719; July 31.
- Barsky, George, New York, N. Y., and F. W. Freise, Palmyra, N. J., assignors to American Cyanamid Company, New York, N. Y. Fertilizer. 1,695,081; Dec. 11.
- Barson, Harry W., assignor to O. D. Jennings, Chicago, Ill. Vending machine. 1,657,814; Jan. 31.
- Bart, Blasius, East Orange, N. J. Metal aeroplane. 1,674,941; June 26.
- Bartels, Carl. (See Goldsmith, G. M., and Bartels.)
- Bartels, Carl P. (See Bellamore, D. H., and Bartels.)
- Bartels, Carl P., Hamilton, Ohio, and C. J. Bates, jr., Englewood, N. J., assignors to The Mosler Safe Company, Hamilton, Ohio. Bolt work for safes. 1,675,082; June 26.
- Bartels, Lillian M., Chicago, Ill. Wardrobe trunk. 1,673,730; June 12.
- Bartels, Walter E., Cincinnati, Ohio. Roofing single. 1,667,185; Apr. 24.
- Bartelstone, Louis, Flatbush, N. Y. Splice-laminating glass. 1,666,252; Apr. 17.
- Bartelstone, Louis, Flatbush, N. Y. Method of and apparatus for laminating glass under incremental differential pressures. 1,667,832; May 1.
- Bartenbach, Herman, Pittsburgh, Pa., and A. E. Freeman, Andover, N. J., assignors to American Telephone and Telegraph Company, Hook. 1,685,145; Sept. 25.
- Bartenfeld, Wilford G., Lorain, Ohio. Channel construction for the sides and tops of tanks of vessels. 1,679,926; Aug. 7.
- Barth, Hans, Dresden, Germany. Reverse-plating device for circular-knitting machines. 1,690,268; Nov. 6.
- Barth, Joseph L., Bismarck, N. Dak. Pedograph and metatarsal-pad locator. 1,684,339; Sept. 11.
- Barth, L., & Son, Inc. (See Gruenberg, Alexander T., assignor.)
- Barthel, John, Oak Park, Ill. Horse race game. 1,692,402; Nov. 20.
- Barthélemy, Henri, assignor to Société Industrielle des Matières Plastiques, Paris, France. Manufacture of products of condensation of urea and formaldehyde and the products thus obtained. 1,691,427; Nov. 13.
- Barthélemy, Henri L., Vercelli, Italy, assignor to Ruth Aldo Company Inc., New York, N. Y. Saponification of primary solutions of acetyl cellulose. 1,668,482; May 1.
- Barthélemy, Henri L., Vercelli, Italy, assignor to Ruth Aldo Company Inc., New York, N. Y. Softening fibers of cellulose origin with a view to facilitating their esterification. 1,668,483; May 1.
- Barthélemy, Henri L., Vercelli, Italy, assignor to Ruth Aldo Company Inc., New York, N. Y. Esterification of cellulose. 1,668,484; May 1.
- Barthélemy, Henri L., Vercelli, Italy, assignor to Ruth Aldo Company Inc., New York, N. Y. Preparation of cellulose acetate. 1,668,485; May 1.
- Barthelmess, Emil, Dusseldorf-Oberkassel, Germany. Silo. 1,692,610; Nov. 20.
- Barthels Manufacturing Company. (See Uellendhal, Arthur W., assignor.)
- Barthold, Willis L., York, N. Y. Pretzel-making machine. 1,669,277; May 8.
- Bartholdi, Ray E. (See Collins, David R., assignor.)
- Bartholdy, Max, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Testing taper holes. 1,664,535; Apr. 3.
- Bartholdy, Max, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Precision indicator for gauge measuring. 1,671,220; May 29.
- Bartholdy, Max, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gauge with a precision indicator for testing the flank diameter of external threads. 1,676,721; July 10.
- Bartholomae, Herbert D., and W. A. Bartholomae, jr., Los Angeles, Calif. Rotary drill. 1,693,017; Nov. 27.
- Bartholomae, William, Brooklyn, N. Y. Musical instrument. 1,671,882; May 29.
- Bartholomae, William A., jr. (See Bartholomae, Herbert D. and W. A., jr.)
- Bartholomew, Bert E., Pasadena, Calif., assignor to Sands Production Company, Cleveland, Ohio. French window and door casement fastener. 1,679,955; Aug. 7.
- Bartholomew, Harry G., and M. L. D. McFarlane, London, England. Telautography or phototelegraphy. 1,674,881; June 26.
- Bartholomew, John B., assignor to Avery Company, Peoria, Ill. Road scraper. 1,663,581; Mar. 27.
- Bartholomew, Raymond A., Bronx, N. Y. Clutch. 1,654,911; Jan. 3.
- Bartholomew, Raymond A., New York, N. Y. Change-speed device for automotive vehicles. 1,659,232; Feb. 14.
- Bartholomew, Raymond A., Brooklyn, N. Y. Change-speed device for automotive vehicles. 1,671,339; May 29.
- Bartholomew, Robert J., Lansdale, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Harness frame for looms. 1,659,760; Feb. 21.
- Bartholomew, Stanley C. (See Nutt, H. G., and Bartholomew.)
- Bartholomew, Thomas, Columbus, Ohio. Toothpick holder. 1,694,200; Dec. 4.
- Bartlomo, Giuseppe, Los Angeles, Calif. Finger ring. Des. 75,406; June 5.
- Bartles, William M. (See Hursh, H. B., Anderson, and Bartels.)
- Bartleson, Alfred F., Soda Center, assignor to Fruit Belt Preserving Company, East Williamson, N. Y. Coking and apparatus used in such method. 1,677,912; July 24.
- Bartlett, C. O., & Snow Company, The. (See First, Mahlon E., assignor.)
- Bartlett, C. O., & Sons Company, The. (See Snow, Karl F., assignor.)
- Bartlett, Charles H. (See Varker, N., Kemps, and Bartlett.)
- Bartlett, Charles H., Boston, Mass. Bookholder. 1,657,343; Jan. 24.
- Bartlett-Collins Company. (See Bartlett, Edward E., assignor.)
- Bartlett, Edward E., assignor to Bartlett-Collins Company, Sapulpa, Okla. Tumbler. Des. 77,281; Dec. 25.
- Bartlett, George M., Indianapolis, Ind. Flexible shaft coupling. 1,676,242; July 10.
- Bartlett, Harry D., Delavan, Wis. Radiolog. 1,661,456; Mar. 6.
- Bartlett Hayward Company, The. (See Fast, Gustave, assignor.)
- Bartlett Hayward Company, The. (See Kennedy, James S., assignor.)
- Bartlett Hayward Company, The. (See McGurty, William J., assignor.)
- Bartlett Hayward Company, The. (See Meyer, Henry C. A., assignor.)
- Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
- Bartlett, Henry R., West Hartford, Conn. Electric-circuit tracer. 1,680,841; Aug. 14.
- Bartlett, Henry R., and H. J. Blakeslee, West Hartford, assignors to The States Company, Hartford, Conn. Electric meter. 1,668,798; May 8.
- Bartlett, John E., assignor to Bar-Trex Manufacturing Co., Inc., Birmingham, Ala. Stationery-vending machine. 1,657,364; Jan. 24.
- Bartlett, Linton G., Waukegan, assignor to William L. O'Connell, Chicago, Ill. Motor vehicle. 1,681,319; Aug. 21.
- Bartlett, Oscar L., New York, N. Y. Suspension device. 1,671,006; May 22.

- Bartlett, Raymond L., Brooklyn, assignor of three-fourths to S. Maranov, New York, N. Y. Fuse mechanism for explosive shells. 1,673,437; June 12.
- Bartley, Harold F., New York, N. Y. Animated toy. 1,690,811; Nov. 6.
- Bartley, Harold F., New York, N. Y. Propulsive amusement car or exerciser. 1,692,803; Nov. 27.
- Bartley, John M., assignor to General Combustion Company, Long Beach, Calif. Apparatus for supplying fuel to internal-combustion engines. 1,684,528; Sept. 18.
- Bartling, Friedrich. (See Honigmann, L., and Bartling.)
- Bartling, Friedrich, Munich, Germany. Gas-tight seal for relatively moving parts of. 1,679,018; July 13.
- Bartmann, Ludwig, Berlin, assignor to the firm Treuhand-Gesellschaft m. B. H., Bartmann & Co., Hagen, Westphalia, Germany. Recovering the endosperm from cereals. 1,670,015; May 15.
- Bartmann, Ludwig, Berlin, assignor to the firm Treuhand-Gesellschaft m. B. H., Bartmann & Co., Hagen, Westphalia, Germany. Treating cereals. 1,670,016; May 15.
- Bartmess, William E., Kenwood, Okla. Lock. 1,662,694; Mar. 13.
- Bartnicki, John, Nashville, Ill. Tractor. 1,661,105; Feb. 28.
- Bartolotta, Sebastiano G., assignor of one-half to D. Cambria and C. F. Anderson, Middletown, Conn. Loom. 1,674,312; June 19.
- Barton, Albert W., E. DuLac, and E. M. Ferguson, assignors to Horton Mfg. Company, Minneapolis, Minn. Variable-speed driving mechanism. 1,658,279; Feb. 7.
- Barton, Ben D., assignor to American Steam Pump Company, Battle Creek, Mich. Pump attachment for motor vehicles. 1,665,765; Apr. 10.
- Barton, Charles W., Portsmouth, Ohio. Automatic injector. 1,683,647; Sept. 11.
- Barton, Francis M., Chicago, Ill. Stirrup for reenforced concrete structures. 1,674,086; June 19.
- Barton, Francis M., Chicago, Ill. Rod support. 1,691,331; Nov. 13.
- Barton, Francis M., Chicago, Ill. Concrete reenforcement. 1,695,269; Dec. 18.
- Barton, Francis M., assignor to Barton Spider Web System, Chicago, Ill. Form for concrete. 1,684,614; Sept. 18.
- Barton, James L., Summer Shade, Ky. Cheese cutter. 1,675,745; July 3.
- Barton, Kirtland C. (See Bothwell, C. L., and Barton.)
- Barton, Larry J., McGill, Nev. Abrasive-resisting metal and making same. 1,662,357; Mar. 13.
- Barton, Louis E., and C. J. Kinzie, Niagara Falls, assignors to Titanium Pigment Company, Inc., New York, N. Y. Obtaining titanic oxide. 1,695,270; Dec. 18.
- Barton, Louis E., and L. W. Ryan, Niagara Falls, assignors to Titanium Pigment Company, Inc., New York, N. Y. Composite titanium pigment and making same. 1,680,316; Aug. 14.
- Barton, Roscoe. (See Bothwell, C. L., and Barton.)
- Barton Spider Web System. (See Barton, Francis M., assignor.)
- Barton, Vincent, Cadillac, Mich. Wrench. 1,666,879; Apr. 17.
- Bartosh, Joseph F., assignor of one-half to F. Kahlik, Weimar, Tex. Filing cabinet for prescriptions, etc. 1,684,761; Sept. 18.
- Bartosik, Joseph, Monessen, Pa. Flush tank. 1,688,797; Oct. 23.
- Bartow, George A., Flushing, N. Y. Level. 1,691,632; Nov. 13.
- Bartow, Jack B., Darby, Pa., assignor to Treiber Diesel Engine Corporation, Camden, N. J. Feed-control means for internal-combustion engines. 1,694,367; Dec. 11.
- Bartram, O. R. (See Goff, Jess, assignor.)
- Bar-Trex Manufacturing Co. (See Bartlett, John E., assignor.)
- Bartsch, Paul, Washington, D. C. Wood protection. Re16,880; Feb. 14.
- Bartz, Ernst. (See Boelter, R., and Bartz.)
- Baruch, Alphons, Hamburg, Germany. Integral receiver for suspending toilet-paper rolls. 1,664,392; Apr. 3.
- Baruch, George J., assignor to Kaufman & Oberleder, Inc., New York, N. Y. Fur scarf. 1,689,908; Oct. 30.
- Baruch, Milton, Beverly Hills, Calif., assignor to Westinghouse Electric and Manufacturing Company. Elevator. Re17,097; Oct. 9.
- Baruch, Sydney N. (See Alder, F. W., and Baruch.)
- Baruth, Albert J., et al. (See McCollum, James H. K., assignor.)
- Barutio, Helen A., St. Louis, Mo. Gasket. 1,657,877; Jan. 31.
- Basberg, Lorentz L. (See Muller, F. A., and Basberg.)
- Basch, David, Schenectady, N. Y., assignor to General Electric Company. Cable terminal. 1,685,625; Sept. 25.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,663,747; Mar. 27.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Connector-switch circuit. 1,674,677; June 26.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Measuring system. 1,679,396; Aug. 7.
- Bascom, Henry M., Brooklyn, and H. H. Abbott, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone system. 1,695,314; Dec. 18.
- Bascom, Henry M., Brooklyn, O. M. Arnold, Leonia, and R. L. Pentland, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Program-selecting arrangement. 1,685,835; Oct. 2.
- Bascom, Henry M., Brooklyn, and E. Jacobsen, Plandome, N. Y., assignors to American Telephone and Telegraph Company. Telephone-exchange system. 1,694,406; Dec. 11.
- Bascour, Firmin, assignor to Societe Anonyme Cribla, Brussels, Belgium. Apparatus for washing and sorting coal and the like. 1,681,164; Aug. 21.
- Basel, Eli A., Kansas City, Mo. Controlling means for multiple-fuel burners. 1,676,764; July 10.
- Bäsel, Wolfgang, Munich, assignor to Lorenz-Zeiss-Zugsicherungs-G. m. b. H., Berlin-Tempelhof, Germany. Train-controlling means by light rays. 1,695,410; Dec. 18.
- Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Balancing device for brake heads. 1,686,648; Oct. 9.
- Baseman, Ernest, assignor to Massey-Harris Harvester Company, Inc., Batavia, N. Y. Cutter-bar-adjusting mechanism for mowing machines. 1,664,102; Mar. 27.
- Bash, Linus, Tulsa, Okla. Adjustable-scaffold jack. 1,685,445; Sept. 25.
- Bashcong, Gabriel, Brooklyn, N. Y. Safety valve. 1,667,525; Apr. 24.
- Basich, Risto L., Los Angeles, Calif. Road gauge. 1,660,369; Feb. 28.
- Baskerville, John B., assignor to Impactograph Corporation, Roanoke, Va. Recording mechanism. 1,692,611; Nov. 20.
- Basler, George T., Louisville, Ky. Mechanical movement. 1,694,961; Dec. 11.
- Basler, Louis A., Hartford, Wis. Tractor hitch. 1,691,560; Nov. 13.
- Basmadjian, Paul K., Philadelphia, Pa. Grocer's helper. 1,684,529; Sept. 18.
- Basmaison, Pierre, San Francisco, Calif. Scraper. 1,659,801; Feb. 21.
- Bason, George F., Ithaca, N. Y. Electromagnetic operating means. 1,672,193; June 5.
- Bass, Aaron T., Eaton, Colo. Adjustable road drag. 1,667,301; Apr. 24.
- Bass, Archie E., Baltimore, Md., assignor of forty-nine per cent to E. Strasmich, New York, N. Y. Wire tying or twisting device. 1,684,723; Sept. 18.
- Bass, E. & J., Inc. (See Tennhardt, Elsa, assignor.)
- Bass, Edward L., Chicago, Ill. Tee-forming device. 1,663,536; Mar. 27.
- Bass, Frank J., Woodson, Tex. Cultivator attachment. 1,656,133; Jan. 10.
- Bass, Rubin, Brooklyn, N. Y. Garment hanger. 1,663,646; Mar. 27.
- Bass, Walter L. (See Bryant, Leslie R., assignor.)
- Bassani Processes, Incorporated. (See Berg, Hart O., assignor.)
- Bassett, Alfred J., Brooklyn, N. Y. Outlet-box cover. 1,655,404; Jan. 10.
- Bassett, Alvin J., Milwaukee, Wis., assignor to The Bruce Macbeth Engine Company, Cleveland, Ohio. Mixing device for oil-gas apparatus. 1,688,320; Oct. 23.
- Bassett, Alvin J., Milwaukee, Wis., assignor to The Bruce Macbeth Engine Company, Cleveland, Ohio. Oil-gas apparatus. 1,694,910; Dec. 11.
- Bassett, Bernard S., San Jose, Calif. Antproof cupboard. 1,692,609; Nov. 20.
- Bassett, Cyrus W., Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator signal system. 1,666,589; Apr. 17.
- Bassett, Cyrus W., Maplewood, N. J., assignor to Elevator Supplies Company, Inc. Electric switch. 1,671,269; May 29.
- Bassett, Fred H., Los Angeles, Calif. Fountain soap brush. 1,682,470; Aug. 28.
- Bassett, Gerald L., assignor to The Conklin Pen Company, Toledo, Ohio. Clip for pencils and the like. 1,696,183; Dec. 25.
- Bassett, Harry P., Cynthiaana, Ky. Making alkali-metal sulphhydrates. 1,662,735; Mar. 13.
- Bassett, Harry P., Cynthiaana, Ky. Manufacture of artificial silk. 1,676,003; July 3.
- Bassett, Harry P., Cynthiaana, Ky. Removing and recovering volatile plasticizers from celluloid and the like. 1,681,692; Aug. 21.
- Bassett Jewelry Co., The. (See Roehr, Clarence J., assignor.)
- Bassett Metal Goods Company. (See Russ, John B., assignor.)
- Bassett, Preston R., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Projector lamp. 1,671,805; May 29.
- Bassett, Preston R., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Feed-governing means for arc lamps. 1,684,817; Sept. 18.
- Bassett, William H., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Hollow conductor. Re17,156; Dec. 11.
- Basstick Company, The. (See Diss, D. B., and Hamtil, assignors.)
- Basstick Company, The. (See Herold, Walter F., assignor.)
- Basstick Company, The. (See Johnson, John A., assignor.)

- Bassick Company, The. (See Moore, Raymond G., assignor.)
- Bassick Company, The. (See Moore, R. G., and Claude-Mantle, assignors.)
- Bassick Manufacturing Company, The. (See Bell, William D., assignor.)
- Bassick Manufacturing Company, The. (See Carr, Moses F., assignor.)
- Bassick Manufacturing Company, The. (See Creveling, John L., assignor.)
- Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
- Bassick Manufacturing Company, The. (See Fesler, Douglas F., assignor.)
- Bassick Manufacturing Company, The. (See Hawkins, Harry E., assignor.)
- Bassick Manufacturing Company, The. (See Herb, Otto J., assignor.)
- Bassick Manufacturing Company, The. (See Hubbell, Benjamin F., assignor.)
- Bassick Manufacturing Company, The. (See Johnson, Gustav, assignor.)
- Bassick Manufacturing Company, The. (See Larssen, Lars A., assignor.)
- Bassick Manufacturing Company, The. (See Murphy, Howard J., assignor.)
- Bassick Manufacturing Company, The. (See Murphy, H. J., and Carr, assignors.)
- Bassick Manufacturing Company, The. (See Otis, Joseph E., jr., assignor.)
- Bassick Manufacturing Company, The. (See Pierce, Earl F., assignor.)
- Bassick Manufacturing Company, The. (See Piquerez, Emile, assignor.)
- Bassick Manufacturing Company, The. (See Raeburn, William, assignor.)
- Bassick Manufacturing Company, The. (See Roberts, Henry T., assignor.)
- Bassick Manufacturing Company, The. (See Robin, John N., assignor.)
- Bassick Manufacturing Company, The. (See Sweet, Donald H., assignor.)
- Bassick Manufacturing Company, The. (See Thomas, George F., assignor.)
- Bassick Manufacturing Company, The. (See Trinquart, Louis G., assignor.)
- Bassick Manufacturing Company, The. (See Upham, Preston, assignor.)
- Bassick Manufacturing Co. (See Winkley, Frank D., assignor.)
- Bassick Manufacturing Company, The. (See Zerk, Oscar, assignor.)
- Bassick Manufacturing Company, The. (See Zerk, Oscar U., assignor.)
- Basskin, Benjamin, St. Louis, Mo. Trousers. 1,679,148; July 31.
- Bast, Dale D., Braddyville, Iowa. Dialless radio. 1,687,420; Oct. 9.
- Bast, Frank J., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Apparatus for analyzing gas. 1,673,898; June 19.
- Bast, Frank J., New York, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Pressure-controlled device. 1,684,630; Sept. 18.
- Bast, Frank J., and R. M. Wilhelm, Brooklyn, assignors to Charles J. Tagliabue Mfg. Co., New York, N. Y. Automatic controller. 1,689,764; Oct. 30.
- Basterreix, Pierre P., Butte, Mont. Direction signal. 1,669,890; May 15.
- Bastian, Arthur J., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Molded article. 1,665,902; Apr. 10.
- Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)
- Bastian Blessing Company, The. (See Evleth, Earl M., assignor.)
- Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Valve. 1,662,291; Mar. 13.
- Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Dispensing pump. 1,678,051; July 24.
- Bastian, George, Marion, Ohio. Reed stoning machine. 1,668,303; May 1.
- Bastian, James G., Shelton, Nebr. Combined high and nursery chair. Des. 76,115; Aug. 21.
- Bastian, William B. (See Keech, D. E., and Algier, assignors.)
- Bastian, William B., Los Angeles, Calif. Quick-throw valve. 1,684,905; Sept. 18.
- Bastien, Napoleon, Lowell, Mass. Ventilator. 1,654,855; Jan. 3.
- Bastien, Paul, Cleveland, Ohio. Brake. 1,669,965; May 15.
- Bat-A-Peny Corporation. (See Steinmetz, Herman, assignor.)
- Batchelder, Charles H., North Attleboro, Mass. Clasp for bracelets or the like. 1,696,292; Dec. 25.
- Batchelder, Charles H., assignor to W. G. Franklin, C. W. Fisher, and E. B. Fisher, doing business as the E. J. Franklin & Co., North Attleboro, Mass. Chain bracelet and clasp. 1,662,451; Mar. 13.
- Batchelder, Edmund, New York, assignor of one-half to J. C. Fishel, Brooklyn, N. Y. Indicator. 1,656,262; Jan. 17.
- Batchell, George W. (See Fisher, Elbert E., assignor.)
- Batcheller, Hugh W., Bethel, assignor to Bojac Manufacturing Co., Inc., Burlington, Vt. Electrical connector. 1,655,405; Jan. 10.
- Batcheller, Hugh W., Marion, Ind., assignor to Bojac Manufacturing Co., Inc., Winooski, Vt. Electrical switch. 1,689,852; Oct. 30.
- Batchelor, Curtis E., Oklahoma City, Okla. Doll. Des. 74,652; Mar. 13.
- Batchelor, Harold, Jersey City, N. J., assignor to A. J. Sterling, New York, N. Y. Closure for containers. 1,659,186; Feb. 14.
- Bate, Thomas C., et al. (See Jackson, Maunsell B., assignor.)
- Bateman, Harry, Brisbin, assignor of one-half to W. M. Burns, Houtzdale, Pa. High-pressure valve. 1,674,235; June 19.
- Bateman, Louis C., West Earling, London, England. Compound rubber tread. 1,677,013; July 10.
- Bateman, Raymond F., King City, Mo. Barn broom. 1,680,197; Aug. 7.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Apparatus for closing filled bags. 1,654,777; Jan. 3.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Package and making the same. 1,659,559; Feb. 21.
- Bates, Adelmor M., assignor, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Making and filling bags. 1,666,886; Apr. 24.
- Bates, Adelmor M., assignor, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Wire-tie-twisting apparatus. 1,675,746; July 3.
- Bates, Adelmor M., assignor, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Machine for making and filling bags. 1,686,787; Oct. 9.
- Bates, Adelmor M., deceased, and J. E. Cornell; C. H. Bates, administratrix, assignors to Bates Valve Bag Corporation, Chicago, Ill. Multiply paper bag. 1,656,368; Jan. 17.
- Bates, Adelmor M., and G. P. Dorr, assignors, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Process and apparatus for folding valves in bags. 1,682,107; Aug. 28.
- Bates, Adelmor M., and A. Krasa, assignor, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Paper bag. 1,668,542; May 8.
- Bates, Adelmor M., and C. G. Kronmiller, assignors, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Marking device. 1,681,275; Aug. 21.
- Bates, Albert J., jr., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., East Chicago, Ind. Work-feeling mechanism for shearing machines. 1,691,264; Nov. 13.
- Bates, Arthur. (See Silvester, R. H., and Bates.)
- Bates, Arthur, assignor to Baer & Wilde Co., Attleboro, Mass. Cigar lighter. Des. 76,596; Oct. 16.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 1,677,322; July 17.
- Bates, Birt J., et al. (See Banner, George A., assignor.)
- Bates, C. J., & Son. (See Bates, Hamilton C., assignor.)
- Bates, Carl S. (See Myers, L. E., Carlson, and Bates.)
- Bates, Charles J., jr. (See Bartels, C. P., and Bates.)
- Bates, Charles J., jr., Englewood, N. J., assignor to The Mosler Safe Company, Hamilton, Ohio. Fireproof safe. 1,688,106; Oct. 16.
- Bates, Clara H., administratrix. (See Bates, A. M., and Cornell.)
- Bates, Clarence B., Marshalltown, Iowa. Door opening and closing device. 1,661,648; Mar. 6.
- Bates, Clement J. (See Rodman, C. J., and Bates.)
- Bates, Clifford W., Narberth, Pa. Remote-control switch apparatus. 1,674,757; June 26.
- Bates, Emer D., Pasadena, Calif. Carnival ticket. 1,691,455; Nov. 13.
- Bates Expanded Steel Truss Co. (See Bates, Albert J., jr., assignor.)
- Bates Expanded Steel Truss Co. (See Bates, Walter A., assignor.)
- Bates, Genearl J., assignor of one-half to W. W. Jenkins, Bryson City, N. C. Railway tie. 1,668,040; May 1.
- Bates, George T., assignor to Illinois Watch Case Company, Elgin, Ill. Catch for cases and the like. 1,664,500; Apr. 3.
- Bates, Hamilton C., assignor to C. J. Bates & Son, Chester, Conn. Manicure implement. Des. 75,672; July 3.
- Bates, John S., Bathurst, New Brunswick, Canada. Making chemical pulp. 1,691,511; Nov. 13.
- Bates, Joseph D., West Springfield, Mass. Antiskid device. 1,669,891; May 15.
- Bates, Lindell T., Mount Lebanon, N. Y. Distilling hydrocarbons and fuel produced thereby. 1,657,815; Jan. 31.
- Bates, Mortimer F., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Torpedo director. 1,661,686; Mar. 6.
- Bates Valve Bag Company. (See Bates, Adelmor M., assignor.)
- Bates Valve Bag Company. (See Dancker, J. E., and Schnitz, assignors.)
- Bates Valve Bag Company. (See Kronmiller, C. G., and Cornell, assignors.)
- Bates Valve Bag Corporation. (See Bates, A. M., and Cornell, assignors.)

- Bates Valve Bag Corporation. (See Bates, A. M., and Dorr, assignors.)
- Bates Valve Bag Corporation. (See Bates, A. M., and Krasa, assignors.)
- Bates Valve Bag Corporation. (See Bates, A. M., and Kronmiller, assignors.)
- Bates Valve Bag Corporation. (See Hartman, Carl H. and L. H., assignors.)
- Bates Valve Bag Corporation. (See Kronmiller, Carl G., assignor.)
- Bates Valve Bag Corporation. (See Nelson, Lewis D., assignor.)
- Bates, Walter A., assignor to Bates Expanded Steel Truss Co., Chicago, Ill. Rolled truss metal shape and producing same. 1,696,833; Dec. 25.
- Bath, John. (See Bath, John and S. W., assignors.)
- Bath, John. (See Bath, Stanley W., assignor.)
- Bath, John, Worcester, Mass. Thread-grinding machine. 1,660,468; Feb. 28.
- Bath, John, Worcester, Mass. Oversize attachment for adjustable internal gauges. 1,660,469; Feb. 28.
- Bath, John, Worcester, Mass. Lubricating device for grinding machines. 1,680,360; Aug. 14.
- Bath, John, Worcester, Mass. Work-driving device. 1,691,144; Nov. 13.
- Bath, John, & Company. (See Allison, Harvey M., assignor.)
- Bath, John and S. W., Worcester, Mass., assignors, by mesne assignments, to said John Bath. Calipering mechanism. 1,664,151; Mar. 27.
- Bath, Stanley W. (See Bath, John and S. W.)
- Bath, Stanley W., Worcester, Mass., assignor, by mesne assignments, to John Bath. Motor-control mechanism for machine tools. 1,695,359; Dec. 18.
- Bath, William H., Torrance, Calif. Saw. 1,675,480; July 3.
- Bathé, Charles G., St. Petersburg, Fla. Dog-racing device. 1,672,798; June 5.
- Batie, Joseph E., assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Forming drawn articles. 1,683,437; Sept. 4.
- Batkin, Hyman, Brooklyn, N. Y. Carton. 1,684,885; Sept. 18.
- Batovec, Frank, jr. (See Batovec, Frank, sr., assignor.)
- Batovec, Frank, sr., assignor to F. Batovec, jr., New York, N. Y. Button. 1,693,541; Nov. 27.
- Batsel, Max C., Wilkensburg, Pa. Intertube transformer for vacuum-tube amplifiers. 1,664,239; Mar. 27.
- Battaliou, Hector A., Cape Town, Cape Province, South Africa. Road-making material. 1,663,824; Mar. 27.
- Battegay, Martin, Mulhouse, France, assignor to Calco Chemical Co., Boundbrook, N. J. Dyeing and printing and product obtained therein. 1,686,224; Oct. 2.
- Battelle, Gordon, and H. M. Runkle, Columbus, Ohio, and W. B. Tobin, Los Angeles, Calif., assignors to The International Derrick & Equipment Company, Columbus, Ohio. Derrick structure for oil, gas, and artesian wells. 1,680,198; Aug. 7.
- Batley, Sumter E., New York, N. Y. Hair waving or curling device. 1,681,511; Aug. 21.
- Battin, Robert G. (See Jones, Earl W. and E. B., and Battin.)
- Battle Creek Bread Wrapping Machine Company. (See Bechman, Henry F., assignor.)
- Battle Creek Bread Wrapping Machine Co. (See Metcalf, Howard H., assignor.)
- Battner, Stephen, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Piano fall board. 1,665,653; Apr. 10.
- Batts, Carl T., Grand Rapids, Mich. Extension garment support. 1,674,758; June 26.
- Batty, Harold L., West Croydon, England, assignor to Eastman Kodak Company, Rochester, N. Y. Package for photographic mounts. 1,676,238; July 10.
- Batty, William H., Elmira, N. Y. Hand snowplow. 1,693,472; Nov. 27.
- Baudry, George. (See Bisel, Wilber S. and O. J., assignors.)
- Bauer A.-G. (See Schori, Fritz, assignor.)
- Bauer, Albert L., assignor of one-half to B. M. Brownell, St. Louis, Mo. Bell-ringing mechanism. 1,692,808; Nov. 27.
- Bauer Brothers Company, The. (See Iglehart, Richard S., assignor.)
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,710; Mar. 20.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 74,711; Mar. 20.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 75,711; July 10.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 75,712; July 10.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 75,713; July 10.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 75,714; July 10.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,175; Aug. 28.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,176; Aug. 28.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Leg of a chair or settee. Des. 76,216; Sept. 4.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,280; Sept. 11.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,281; Sept. 11.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,282; Sept. 11.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,283; Sept. 11.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,449; Oct. 2.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 76,450; Oct. 2.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 77,282; Dec. 25.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 77,283; Dec. 25.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 77,284; Dec. 25.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 77,285; Dec. 25.
- Bauer, Carl, assignor to Doetsch & Bauer Company, Chicago, Ill. Settee frame or similar article. Des. 77,286; Dec. 25.
- Bauer, Charles F., Louisville, Ky. Cooling and dispensing machine. 1,694,436; Dec. 11.
- Bauer, Charles H., Milwaukee, Wis. Adjustable metal insert for concrete work. 1,695,909; Dec. 18.
- Bauer, Christopher W., New York, N. Y. Toy whistling device. 1,655,529; Jan. 10.
- Bauer, Edward, West New York, and P. Miozzi, Union City, N. J. Loom. 1,677,542; July 17.
- Bauer, George C. (See Metzger, F. J., and Bauer.)
- Bauer, George J. (See Benham, E. M., and Bauer.)
- Bauer, Gustav, Hamburg, Germany. Reversing device for working shafts. 1,682,593; Aug. 28.
- Bauer, Heinrich, Furth, Germany. Steel wire brush for cleaning the types on typewriting machines. 1,674,236; June 19.
- Bauer, Herman. (See Kapilian, Mendel, assignor.)
- Bauer, Hugh, San Francisco, Calif. Surfacing tool. 1,680,496; Aug. 14.
- Bauer, Joseph, San Francisco, Calif. Wall-paper-removing apparatus. 1,674,237; June 19.
- Bauer, Marius A., Worcester, Mass., assignor to M. J. Whittall Associates. Actuating mechanism in oriental-rug looms. 1,677,426; July 17.
- Bauer, Marius A., Worcester, Mass., assignor to M. J. Whittall Associates. Actuating and supporting mechanism for the knotting tables of oriental-rug looms. 1,695,360; Dec. 18.
- Bauer, Martin, Berlin, Germany. Handpiece for tooth-boring machines. 1,675,873; July 3.
- Bauer, Martin, Cleveland, Ohio. Reinforced scaffold plank. 1,687,706; Oct. 16.
- Bauer, Raymond M., West St. Paul, Minn. Flower stand. Des. 77,049; Dec. 4.
- Bauer, Wilhelm, Wiesdorf, near Leverkusen, Germany, assignor to the firm: Durand & Huguenin S. A., Basel, Switzerland. Manufacture of water-soluble esterlike derivatives of var dyestuffs. 1,668,392; May 1.
- Bauerschmidt, Kuno, Karlsruhe, Germany, assignor to General Electric Company. Electric switch. 1,685,664; Sept. 25.
- Bauersfeld, Walther. (See Villiger, W., and Bauersfeld.)
- Bauersfeld, Walther, and O. Schmidt, assignors to the firm of Carl Zeiss, Jena, Germany. Junction-point construction for iron network. 1,679,758; Aug. 7.
- Bauert, William H., Rossville, near Sydney, New South Wales, Australia. Foot mat and luggage and like carrier device for motor road vehicles. 1,666,364; Apr. 17.
- Baugh, Cullie H., Columbus, Ohio. Window screen and weathering and the like. 1,658,280; Feb. 7.
- Baugh, Thomas A., et al. (See Whitaker, William T., assignor.)
- Baughman, George W., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,662,950; Mar. 20.
- Baughman, George W., Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,688,173; Oct. 16.
- Baughman, George W., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,695,678; Dec. 18.
- Baughman, Guy L., Burbank, Okla. Direction indicator. 1,687,421; Oct. 9.
- Baughman, Orland F., and L. W. Cady, Lakewood, assignors to The Bankers Savings & Credit System Company, Cleveland, Ohio. Electric stove. 1,659,986; Feb. 21.

- Baughman, Orland F., and J. Habart, Lakewood, assignors to The Bankers Savings & Credit System Company, Cleveland, Ohio. Coin bank or receptacle. 1,666,524; Apr. 17.
- Baughman, Orland F., and J. Habart, Lakewood, assignors to The Bankers Savings & Credit System Company, Cleveland, Ohio. Money bank. 1,679,644; Aug. 7.
- Baughn, Charles B., Visalia, Calif. Electrical steam generator. 1,659,513; Feb. 14.
- Bauknecht, Carl, assignor to Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Savings clock. 1,655,888; Jan. 10.
- Baulch, Ernest L., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,654,912; Jan. 3.
- Baule, Marie E. A., Toulon, France. Ship's log. 1,655,125; Jan. 3.
- Baum, David, Livermore Falls, Me. Shoe locator for shoe-turning machines. 1,676,722; July 10.
- Baum, Erich, H. Deutsch, W. O. Herrmann, and M. Mugdan, Munich, Germany, assignors to Consortium für elektrochemische Industrie G. m. b. H., Munich, Bavaria. Production of vinylacetate. 1,666,482; Apr. 17.
- Baum, Ewald G., assignor, by mesne assignments, to American Seal-Kap Corporation, Natick, Mass. Paper article and manufacture. 1,668,349; May 1.
- Baum, Frank G., San Francisco, Calif. Dynamo-cooling system. 1,691,696; Nov. 13.
- Baum, Gustav, Weissenstein-on-the-Draun, Karnten, Austria, assignor to The Niagara Electro Chemical Company, Inc., New York, N. Y. Apparatus for electrically heating liquids. 1,685,210; Sept. 25.
- Baum, Gustav, Weissenstein-on-the-Draun, Karnten, Austria, assignor to The Niagara Electro Chemical Company, Inc., New York, N. Y. Apparatus for heating liquids by electrical energy. 1,688,680; Oct. 23.
- Baum, Gustav, Karnten, Austria, assignor to The Niagara Electro Chemical Company, Inc., New York, N. Y. Heating liquids by electrical energy for distillation, concentration, provocation of chemical reactions, etc. 1,685,266; Sept. 25.
- Baum, Gustav, Karnten, Austria, assignor to The Niagara Electro Chemical Company, Inc., New York, N. Y. Heating liquids by electrical energy. 1,688,679; Oct. 23.
- Baum, Isaac A., Chicago, Ill. Building element. 1,686,724; Oct. 9.
- Baum, Isaac A., Chicago, Ill. Clamp for frames. 1,687,536; Oct. 16.
- Baum, Isaac A., Chicago, Ill. Wood and metal door frame. 1,686,725; Oct. 9.
- Baum, Isaac A., Chicago, Ill. Metal trim. 1,696,749; Dec. 25.
- Baum, Kenneth M., San Francisco, Calif. Separating sulphur from other materials. 1,689,545; Oct. 30.
- Bauman, Frank, Honesdale, Pa. Silk cleaner. 1,690,522; Nov. 6.
- Bauman, Harry A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hot-water bottle. Des. 76,979; Nov. 27.
- Baumann, Adolph, and W. van Rijswijk, Baden, Switzerland. Closed-circuit cooling for electrical machines. 1,683,591; Sept. 11.
- Baumann, Adolph R., New York, N. Y. Cigarette holder and ejector. 1,658,627; Feb. 7.
- Baumann, Alois L., Kellogg, Idaho. Parlor bowling device. 1,679,643; Aug. 7.
- Baumann, Harold C., West Long Branch, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifying electrical variations. 1,675,874; July 3.
- Baumann, John, Philadelphia, Pa. Attachment for doughnut cutting and cooking machines. 1,670,230; May 15.
- Baumann, Karl, Munich, Germany, assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Sawing mechanism adapted to operate with rotating material. 1,655,588; Jan. 10.
- Baumann, Karl, Urnston, England, assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,692,537; Nov. 20.
- Baumann, Karl, Urnston, England, assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,692,538; Nov. 20.
- Baumann, Ulrich, jr., Woodcliff, N. J. Apparatus for drying textile fabrics. 1,663,897; Mar. 27.
- Baumberger, Walter E., San Francisco, Calif. Wall-form tie structure. 1,684,382; Sept. 18.
- Baumberger, William J. (See Yerck, H. H., and Baumberger.)
- Baumberger, William J., Davenport, assignor to The Micro Machine Company, Bettendorf, Iowa. Grinding machine. 1,662,023; Mar. 6.
- Baumberger, William J., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Work support. 1,662,024; Mar. 6.
- Baumberger, William J., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Work support. 1,682,471; Aug. 28.
- Baumberger, William J., and H. H. Yerck, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Work-adjusting means. 1,682,472; Aug. 28.
- Baumer, Paul, Frauenfeld, Switzerland. Loose-leaf binder. 1,661,524; Mar. 6.
- Baumgardner, Henry C., Ann Arbor, Mich. Spraying device. 1,663,676; Mar. 27.
- Baumgardner, James F., Stoneboro, Pa. Air cooler. 1,661,160; Mar. 6.
- Baumgärtel, Max, Rodewisch, Germany. Conveying away exhaust gases from motor cars in garages. 1,679,705; Aug. 7.
- Baumgarten, Paul, Richmond Hill, N. Y. Combination chair and window seat. 1,676,723; July 10.
- Baumgärtner, Friedrich W., Berlin-Schöneberg, assignor to F. A. Baumgärtner, Dr. Katz & Co. G. m. b. H., Eiswerder-Spandau, Germany. Manufacture of hollow bodies from fibrous-material pulp. 1,678,759; July 31.
- Baumhauer, Felix, assignor to the firm: Dynamidon-Werk Engelhorn & Co., Gesellschaft mit beschränkter Haftung, Mannheim-Waldhof, Germany. Producing highly-refractory magnesite masses. 1,659,476; Feb. 14.
- Baumheckel, William M., assignor of one-half to L. C. Scharnhorst, Milwaukee, Wis. Closure attachment for receptacles. 1,657,428; Jan. 24.
- Bäumli, Maximilian, Vienna, Austria, assignor to the firm Jagenberg-Werke Akt.-Ges., Düsseldorf, Germany. Cigarette-packing machine. 1,666,986; Apr. 24.
- Baumli, Nathan, Foxboro, Mass. Automotive accessory. 1,658,587; Feb. 7.
- Baur, Hugo J. (See Thompson, E. H., and Baur.)
- Baur, Hugo J., assignor to The Vortex Mfg. Co., Chicago, Ill. Cup dispenser. 1,677,166; July 17.
- Bauriedel, Gotthard. (See Otto, G., Hartmann, and Bauriedel.)
- Baus, Richard E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Shipping device. 1,661,457; Mar. 6.
- Baus, Richard E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Loading automobile bodies in freight cars. 1,661,458; Mar. 6.
- Baus, Richard E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Loading automobile bodies in freight cars. 1,661,459; Mar. 6.
- Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens-grinding machine. 1,659,560; Feb. 21.
- Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)
- Bausch & Lomb Optical Company. (See Bausch, W., and Powell, assignors.)
- Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
- Bausch and Lomb Optical Company. (See Chase, G. H., and Flodin, assignors.)
- Bausch & Lomb Optical Company. (See Day, George H., assignor.)
- Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
- Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
- Bausch & Lomb Optical Company. (See Martin, Allan F., assignor.)
- Bausch & Lomb Optical Company. (See Montgomery, Robert J., assignor.)
- Bausch & Lomb Optical Company. (See Poser, Max, assignor.)
- Bausch & Lomb Optical Company. (See Sabel, John C., assignor.)
- Bausch and Lomb Optical Company. (See Stevens, Frederick A., assignor.)
- Bausch & Lomb Optical Company. (See Stevens, F. A., and Welsh, assignors.)
- Bausch & Lomb Optical Company. (See Sweeney, James A., assignor.)
- Bausch & Lomb Optical Company. (See Welsh, James W., assignor.)
- Bausch, William, and J. R. Powell, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Lens-blank-holding means. 1,686,364; Oct. 2.
- Bauschard, John H., Erie, Pa. Head-spacing device. 1,689,223; Oct. 30.
- Bausman, Alonzo L., Springfield, Mass. Feeding mechanism for confectionery machines. 1,680,842; Aug. 14.
- Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Confection-coating machine. 1,661,460; Mar. 6.
- Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Delivery apparatus for confectionery machines. 1,667,765; May 1.
- Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Method and apparatus for tempering chocolate and the like. 1,671,666; May 29.
- Bauwens, Seraphine F., Chicago, Ill., assignor to Wire-bound Patents Company, Machine for use in making boxes. 1,685,626; Sept. 25.
- Bayer, Arthur M., Danube, Minn. Locking carrier for disk wheels. 1,687,966; Oct. 16.
- Baxter, Charles. (See Wallace, L. M., and Baxter.)
- Baxter, Dominic J. (See Federbush, Max W. and J. D., and Baxter.)
- Baxter, Frederick C., Belvidere, Ill. Automatic shut-off device for liquid dispensers. 1,689,066; Oct. 23.
- Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Motor snap switch. 1,685,935; Oct. 2.
- Baxter, Harold G., Baldwin, N. Y., and H. K. Krantz, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,677,323; July 17.

- Baxter, John B., Troy, assignor to Cavery Manufacturing Company, Watervliet, N. Y. Snap hook. 1,660,028; Feb. 21.
- Baxter, Kenneth S., assignor to Sheet Steel Products Company, Michigan City, Ind. Cab for trucks. 1,689,765; Oct. 30.
- Baxter, Leon, Brooklyn, N. Y. Tone arm. 1,681,084; Aug. 14.
- Baxter, Phillip H., Iowa City, Iowa. Cultivator shovel. 1,671,664; May 29.
- Baxter, Thomas R. (See Federbush, Max W. and J. D., and Baxter.)
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,672,147; June 5.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,692,284; Nov. 20.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method for use in the manufacture of shoes. 1,693,132; Nov. 27.
- Baxter, William C., assignor to E. M. Trimble Mfg. Co. Inc., Rochester, N. Y. Crib. 1,695,571; Dec. 18.
- Baxter, William M., assignor to Ideal Removable Body Company, Chicago, Ill. Removable-body truck. 1,667,023; Apr. 24.
- Baxter, William M., assignor to Wayne Company, Fort Wayne, Ind. Packing for shafts. 1,673,932; June 19.
- Baxter, William M., assignor, by mesne assignments, to The Wayne Home Equipment Company, Fort Wayne, Ind. Controlling the flow of all fluids in an oil-burner apparatus. 1,690,329; Nov. 6.
- Bayard, Armand and E. E., Chicago, Ill. Manufacturing jointed jewelry. 1,678,239; July 24.
- Bayardi, Ettore E. (See Bayardi, Armand and E. E.)
- Bay City Dredge Works. (See Wagner, C. G., and Kerr, assignors.)
- Bayer, A. J., Company. (See Kauth, Nicholas, assignor.)
- Bayer, Ernest H., Malvern, Ark. Safety appliance for ladders. 1,660,909; Feb. 28.
- Bayer, Frank A. (See Bayer, Leo J. and F. A.)
- Bayer, Gaudenz, Augsburg, Germany. Refrigerating apparatus. 1,676,068; July 3.
- Bayer, Leo J., St. Louis, Mo. Soot blower for boilers. 1,666,080; Apr. 17.
- Bayer, Leo J. and F. A., St. Louis, Mo. Soot blower. 1,681,165; Aug. 21.
- Bayerische Celluloidwarenfabrik, vorm. Albert Wakker, A.-G. (See Weidinger, C., Gradl, and Schöner, assignors.)
- Bayrie, Karl, assignor to Lurgi Apparatebau-Gesellschaft Company, Jersey City, N. J. Shell for rock drills. 1,674,816; June 26.
- Bayha, Benjamin F., et al. (See Hall, Judson, assignor.)
- Bayha, William G., Perkasio, Pa., assignor to United States Gauge Company, New York, N. Y. Gauge. 1,694,838; Dec. 11.
- Bayles, John K., Butler, N. J. Automatic release clutch. 1,669,225; May 8.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand m. b. H., Frankfort-on-the-Main, Germany. Tilttable multiple-contact switch. 1,675,205; June 26.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cleansing-fluid-conveying tube for rock drills. 1,689,275; Oct. 30.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic tool. 1,691,372; Nov. 13.
- Bayles, Lewis C., and F. M. Slater, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Shifting fulcrum valve for rock drills. 1,690,810; Nov. 6.
- Bayless, A. C. (Tex.), et al. (See Martin, John R., assignor.)
- Bayley Manufacturing Company. (See Crawford, R. Brace, assignor.)
- Bayley, William, Springfield, Ohio. Window-sash mounting. 1,660,408; Feb. 28.
- Baylis, Walter S., assignor to Filtrrol Company, Los Angeles, Calif. Reactivation of adsorptive material. 1,654,629; Jan. 3.
- Baynard, William H., Boston, Mass. Sewing machine. 1,658,915; Feb. 14.
- Baynard, William H., Boston, assignor to H. H. Beckwith, Brookline, Mass. Apparatus for assembling stiffeners in shoe uppers. 1,684,052; Sept. 11.
- Baynard, William H., assignor to H. H. Beckwith, Brookline, Mass. Adhesive-applying device. 1,666,039; Apr. 10.
- Baynard, William H., Quincy, assignor to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,671,142; May 29.
- Bayne, Alexander H., Windsor, Ontario, Canada. Switch. 1,683,231; Sept. 4.
- Bayne, Burt V., San Diego, Calif. Pneumatic bumper. 1,654,572; Jan. 3.
- Bay State Collapsible Tube Company. (See Falk, Max, assignor.)
- Bay State Fishing Company. (See Gallison, Ernest A., assignor.)
- Bay State Fishing Company. (See Mudge, R. C., and Gallison, assignors.)
- Bay State Optical Company. (See McFadden, Fay, assignor.)
- Bay State Optical Company. (See Nerney, George E., assignor.)
- Bayuk Cigars, Incorporated. (See Kitchel, R. R., Lippard, and Mullan, assignors.)
- Bay West Paper Co. (See Vaughan, Frank P., assignor.)
- Bazeley, Arthur J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,672,875; June 12.
- Bazeley, Arthur J., and W. J. Metzger, assignors, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Chain link. 1,672,867; June 12.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 1,655,126; Jan. 3.
- Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stop mechanism. 1,675,590; July 3.
- Beach, Bradford B., Seattle, Wash. Steam trap. 1,668,667; May 8.
- Beach, George F., assignor to F. J. Ryan & Company, Philadelphia, Pa. Furnace. 1,690,710; Nov. 6.
- Beach, H. D., Company, The. (See Gibson, Francis W., assignor.)
- Beach, Howard L. (See Clark, C. H., and Beach.)
- Beach, John D., Richmond, Va. Safety valve. 1,655,889; Jan. 10.
- Beach, John M., Grand Rapids, Mich. Radiocabinet or similar article. Des. 75,204; May 22.
- Beach, John M. and G. Fletcher, Grand Rapids, Mich. assignors to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radiocabinet or similar article. Des. 74,292; Jan. 24.
- Beach, Oril C., administrator. (See Clark, C. H., and Beach.)
- Beach, Thomas E., Baltimore, Md., assignor to Hartford-Empire Company, Hartford, Conn. Cullet dump for leers. 1,680,361; Aug. 14.
- Beacon Falls Rubber Shoe Company, The. (See Hopwood, William B., assignor.)
- Beacon Falls Rubber Shoe Company, The. (See Wagner, Henry C., assignor.)
- Beacon Folding Machine Company. (See Ridderstrom, Andrew R., assignor.)
- Beacon Oil Company. (See Crittenden, B. P., and Killinger, assignors.)
- Beacon Pressed Steel Co. (See Larson, Ivar C., assignor.)
- Beacon Steel Furniture Co. (See Rosenthal, Aaron E., assignor.)
- Beacon Steel Furniture Co. (See Rosenthal, A. E., and Clarin, assignors.)
- Bead Chain Manufacturing Company, The. (See Bryant, Waldo G., assignor.)
- Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
- Bead Chain Manufacturing Company, The. (See Goodridge, Gilbert W., assignor.)
- Bead Chain Manufacturing Company, The. (See Goodridge, G. W., and Gagnon, assignors.)
- Beadle, George W., Rye, N. Y., assignor to The Cellacote Company, Inc. Preservative packing and making the same. 1,685,392; Sept. 25.
- Beadle, Harold I., New York, N. Y., assignor to The Cellacote Company, Inc. Covering articles and the product resulting therefrom. 1,685,393; Sept. 25.
- Beadle, Warren E., Wisconsin Rapids, Wis. Batch-measuring device. 1,660,149; Feb. 21.
- Beal, Charles L., San Francisco, Calif. Photograph-enlarging light box. 1,675,783; July 3.
- Beal, Frank P., Brooklyn, N. Y. Playing object. 1,656,936; Jan. 14.
- Beal, George E., Pasadena, Calif. Safety steering mechanism for automobiles. 1,684,657; Sept. 18.
- Beal, Henry S., Springfield, Vt. Grease gun. 1,677,997; July 24.
- Beale, Albert. (See Hele-Shaw, H. S., and Beale.)
- Beall, Charles R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed-responsive system. 1,667,410; Apr. 24.
- Beall, Charles R., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,679,015; July 31.
- Beall, John C. W., Washington, D. C. Eye-testing device. 1,662,054; Mar. 13.
- Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company, Chicago, Ill. Moldboard. 1,691,561; Nov. 13.
- Beals, Edward A. (See Shepard, Wilbur L., assignor.)
- Beals & Selkirk Trunk Co., The. (See Baetz, Lester, assignor.)
- Beam, Charles C., Cumberland, Md. Bowl or similar article. Des. 74,712; Mar. 20.
- Beam, Charles C., Cumberland, Md. Pitcher of similar article. Des. 74,713; Mar. 20.
- Beam, Charles C., assignor to The Potomac Glass Company, Cumberland, Md. Goblet or similar article. Des. 75,673; July 3.
- Beam, Charles C., assignor to The Potomac Glass Company, Cumberland, Md. Goblet or similar article. Des. 75,674; July 3.
- Beam, Charles C., assignor to The Potomac Glass Company, Cumberland, Md. Goblet or similar article. Des. 75,821; July 24.
- Beaman, George B., assignor to Fort Wayne Corrugated Paper Company, Fort Wayne, Ind. Insulating shipping container. 1,691,178; Nov. 13.

- Beamer, Charles W., Spring Garden, Calif. Front-axle gauge. 1,658,877; Feb. 14.
- Beamish, Arthur M. (See Spaulding, W. R., and Beamish.)
- Beams, Emmett, Louisville, Ky. Garage-door mechanism. 1,678,583; July 24.
- Bean, Guy M., Los Angeles, Calif. Locomotive-fire-box structure. 1,655,383; Jan. 3.
- Bean, Harry D., Montreal West, Quebec, Canada. Paper machine. 1,656,853; Jan. 17.
- Bean, James H., Sisson, Calif. Latch. 1,692,366; Nov. 20.
- Bean, Louis A., Denver, Colo. Radiator cap for automobiles. 1,694,030; Dec. 4.
- Bean Spray Pump Co. (See Crummey, J. D., Austin, and Lewis, assignors.)
- Bean Spray Pump Co. (See Lisle, H. C., and Lewis, assignors.)
- Bean Spray Pump Co. (See Ridley, Grahame B., assignor.)
- Bean, William L., West Haven, Conn. Locomotive smoke-box structure. 1,686,788; Oct. 9.
- Bean, William L., West Haven, Conn., assignor to McClellon Locomotive Boiler Company, Boston, Mass. Locomotive boiler. 1,677,427; July 17.
- Beaney Rubber Company. (See Beaney, Thomas A., assignor.)
- Beaney Rubber Company Inc. (See Beaney, Thomas A., assignor.)
- Beaney, Thomas A., Poughkeepsie, assignor to Beaney Rubber Company Inc., New York, N. Y. Machine for cutting off and skiving stock. 1,675,875; July 3.
- Beaney, Thomas A., Poughkeepsie, assignor to Beaney Rubber Company Inc., New York, N. Y. Machine for cutting off and preparing stock strips. 1,676,883; July 10.
- Beaney, Thomas A., Poughkeepsie, assignor to Beaney Rubber Company, Inc., New York, N. Y. Machine for cutting off stock. 1,693,361; Nov. 27.
- Beans, John F., and B. Le Roy, Massillon, Ohio. Spring forming and tempering machine. 1,632,734; Sept. 4.
- Bear Brand Hosiery Co. (See Pope, Frank, assignor.)
- Bear, Montague M., Atlanta, Ga. Clasp. 1,657,365; Jan. 24.
- Bear Tractor Corporation of America. (See Leake, Thomas C., assignor.)
- Beard, Clement E., Columbiana, Ohio. Step attachment for stools. 1,682,732; Sept. 4.
- Beard, Elmer E., Olympia, Wash. Composing stick for matrices of typographical machines. 1,655,687; Jan. 10.
- Beard, Harold, South Portland, Me. Adapter for radiator air valves. 1,673,220; June 12.
- Beard, William N., Fort Worth, Tex. Printing headings. 1,659,624; Feb. 21.
- Beardslee, Francis C., assignor to said Beardslee, B. M. Huffine and J. I. Huffine, joint trustees, Los Angeles, Calif. Treatment of food material. 1,682,318; Aug. 28.
- Beardsley, Charles E., and A. T. Smith, assignors, by mesne assignments, to The Beardsley and Wolcott Manufacturing Company, Waterbury, Conn. Combination lamp and smoker's stand. 1,680,002; Aug. 7.
- Beardsley, Charles S., East Cleveland, Ohio. Wire connector. 1,673,135; June 12.
- Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Machine for filling molds. 1,667,097; Apr. 24.
- Beardsley, Elmer O., Chicago, and W. F. Piper, Oak Park, assignors to The Beardsley & Piper Company, Chicago, Ill. Molding machine. 1,681,386; Aug. 21.
- Beardsley, Lester A., assignor to Norwich Wire Works, Inc., Norwich, N. Y. Game trap. 1,672,051; June 5.
- Beardsley & Piper Company, The. (See Beardsley, E. O., and Piper, assignors.)
- Beardsley, Robert, Chicago, Ill. Lamp shade or similar article. Des. 74,159; Jan. 3.
- Beardsley, Robert, Chicago, Ill. Lamp shade or similar article. Des. 74,160; Jan. 3.
- Beardsley, Robert, Chicago, Ill. Lamp shade or similar article. Des. 74,161; Jan. 3.
- Beardsley, Robert, Chicago, Ill. Lamp base or the like. Des. 75,000; May 1.
- Beardsley, Robert, Chicago, Ill. Lamp base or the like. Des. 75,001; May 1.
- Beardsley, Robert, Chicago, Ill. Tray. Des. 75,146; May 15.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,323; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,324; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,325; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,326; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,327; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,328; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,329; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,330; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,331; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,332; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,333; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,334; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,335; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,336; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,337; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,338; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,339; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,340; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,341; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,342; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,343; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,344; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,345; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,346; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,347; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,348; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,349; May 29.
- Beardsley, Robert, Chicago, Ill. Lamp. Des. 75,350; May 29.
- Beardsley, Robert, Chicago, Ill. Method of and apparatus for forming articles from paper and the like. 1,669,966; May 15.
- Beardsley, Robert, Chicago, Ill. Article-forming device. 1,684,466; Sept. 18.
- Beardsley, Robert, Chicago, Ill. Method of and apparatus for forming articles. 1,684,658; Sept. 18.
- Beardsley and Wolcott Manufacturing Company, The. (See Beardsley, C. E., and Smith, assignors.)
- Beardsley & Wolcott Mfg. Co., The. (See Wolcott, Frank E., assignor.)
- Beare, Samuel T., Jackson, Tenn. Headlight. 1,693,334; Nov. 27.
- Beasley, Clifford H., assignor of one-half to Parkinson and W. & B. Cowan Limited, Birmingham, England. Escape-ment-controlling mechanism. 1,683,648; Sept. 11.
- Beasley, Joseph A., assignor to M. A. Beasley, Tampa, Fla. Building construction. 1,675,243; June 26.
- Beasley, Martha A. (See Beasley, Joseph A., assignor.)
- Beasley, Starley F., Kansas City, Mo., assignor of one-half to F. E. Wellman, Kansas City, Kans. Column-post bearing for brake hangers. 1,658,014; Jan. 31.
- Beasley, Starley F., assignor of one-half to F. E. Wellman, Kansas City, Kans. Draft-gear carrier iron and tank-band anchor. 1,680,003; Aug. 7.
- Beath, Charles P., Chicago, and H. M. E. Heinicke, Elgin, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,649; May 15.
- Beaton & Cadwell Manufacturing Company, The. (See Cadwell, W. H., and Ott, assignors.)
- Beaton & Cadwell Manufacturing Company, The. (See Cadwell, W. H., Ott, and Kayle, assignors.)
- Beatty, Earle J. R., Edgewood, R. I. Spectacle Frame. Des. 75,351; May 29.
- Beattie, Arthur E., Manzanillo, Cuba. Antistatic arrangement in wireless receiving apparatus. 1,683,122; Sept. 4.
- Beattie, David, assignor to Railway and Industrial Engineering Company, Greensburg, Pa. High-tension switch mechanism. 1,691,837; Nov. 13.
- Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor, Smith & Taylor Company, Chester, W. Va. Dish or similar article. Des. 74,293; Jan. 24.
- Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor, Smith & Taylor Company, Chester, W. Va. Dish. Des. 74,588; Mar. 6.
- Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor, Smith & Taylor Company, Chester, W. Va. Sugar bowl. Des. 74,589; Mar. 6.
- Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor, Smith & Taylor Company, Chester, W. Va. Teapot. Des. 74,590; Mar. 6.
- Beattie, Kenneth P., Hopkins, Mich., assignor to The Taylor, Smith & Taylor Company, Chester, W. Va. Pitcher. Des. 74,591; Mar. 6.
- Beattie, Robert, assignor to Texas Pacific Coal and Oil Company, Fort Worth, Tex. Mixing sludge. 1,660,248; Feb. 21.
- Beattie, Robert, assignor to Texas Pacific Coal and Oil Company, Fort Worth, Tex. Apparatus for mixing sludge. 1,667,235; Apr. 24.
- Beattie, William P. (See Carroll, E. J., and Beattie.)
- Beatty, Douglas T., Birmingham, Ala., assignor to Sand Spun Patents Corporation, Wilmington, Del. Method of and apparatus for lining pipes. 1,676,815; July 10.
- Beatty, Joseph H., Wheeling, W. Va. Light for umbrellas or canes. 1,659,346; Feb. 14.

- Beatty, Palmer and Beatty. (See Beatty, William H., assignor.)
- Beatty, William G., Fergus, Ontario, Canada. Wringer. 1,655,490; Jan. 10.
- Beatty, William G., Fergus, Ontario, Canada. Washing machine. 1,668,624; May 8.
- Beatty, William G., Fergus, Ontario, Canada. Wringer. 1,686,119; Oct. 2.
- Beatty, William G., Fergus, Ontario, Canada. Wringer. 1,686,120; Oct. 2.
- Beatty, William H., assignor to Beatty, Palmer and Beatty, Birmingham, Ala. Flask for centrifugal sand molds. 1,681,085; Aug. 14.
- Beatty, William H., Birmingham, Ala., assignor to Beatty, Palmer and Beatty. Centrifugal molding apparatus. 1,694,763; Dec. 11.
- Beaty, Charles R., F. E., J. M., Science Hill, and J. W. Beaty, Elgin, Ky. Acetylene-gas generator. 1,654,674; Jan. 3.
- Beaty, Frank E. (See Beatty, Charles R., F. E., J. M., and J. W.)
- Beaty, Walter E. (See Healey, F. R., and Beatty.)
- Beaubien, Robert E. (See Arcus, J. S., and Beaubien.)
- Beauchamp, Robert B., East Cleveland, Ohio. Speed-changing mechanism. 1,684,167; Sept. 11.
- Beauchamp, Wilfred A., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Securing means. 1,660,470; Feb. 28.
- Beaudoin, Hector. (See Le Blanc, H. L., and Beaudoin.)
- Beaudry, Leon N., Calgary, Alberta, Canada. Cashier's protector. 1,682,881; Sept. 4.
- Beaulieu, Lester F., assignor of one-half to C. R. Kennedy, Lincoln, Calif. Vacuum cleaning attachment for motor vehicles. 1,657,707; Jan. 31.
- Beaulieu, Lester F., assignor of one-half to C. R. Kennedy, Lincoln, Calif. Internal-combustion engine. 1,660,315; Feb. 28.
- Beaumont, R. H. Company. (See Alexander, William P., assignor.)
- Beaumont, R. H., Co. (See Beaumont, Robert H., assignor.)
- Beaumont, R. H., Co. (See Hale, William E., assignor.)
- Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Automatic fuel-supply means for boilers. 1,666,027; Apr. 10.
- Beaumont, Robert H., Radnor, assignor to Beaumont Manufacturing Company, Philadelphia, Pa. Ash hopper for boilers. 1,666,768; Apr. 17.
- Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Release for the automatic brakes of winding drums. 1,674,586; June 19.
- Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Mechanism for operating winding-drum friction clutches. 1,676,765; July 10.
- Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Co., Philadelphia, Pa. Material storage and handling system. 1,680,242; Aug. 7.
- Beaumont, True D., Los Angeles, Calif., assignor to L. F. Ducker, San Francisco, Calif. Washer and sterilizer. 1,659,310; Feb. 14.
- Beaumont, True D., Los Angeles, assignor to L. F. Ducker, San Francisco, Calif. Clothes drier. 1,673,438; June 12.
- Beaumont Manufacturing Company. (See Beaumont, Robert H., assignor.)
- Beaumont Manufacturing Company. (See Burnett, William J., assignor.)
- Beauregard, Charles L., Providence, R. I. Safety device for motor vehicles. 1,677,703; July 17.
- Beauty Parlor Designator Manufacturing Corporation. (See Boxer, Maurice, assignor.)
- Beaver, Henry W., Los Angeles, Calif. Motor-connection indicator. 1,675,019; June 26.
- Beaver, Homer, Chickasha, Okla. Gin brush. 1,682,950; Sept. 4.
- Beaver Machine & Tool Co. Inc. (See Downing, John B., assignor.)
- Beaver Machine & Tool Co. Inc. (See Rider, Herbert E., assignor.)
- Beaver Machine & Tool Co. (See Slade, Harold E., assignor.)
- Bebel, Abraham, Brooklyn, N. Y., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Eye tape. 1,667,921; May 1.
- Bebel, Abraham, Brooklyn, N. Y., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hook and eye tape. 1,667,922; May 1.
- Becerra, José A. (See Firpo, F., and Becerra.)
- Beckard, Joseph C., Fall River, Mass. Spiral rotary ship or similar vessel. 1,665,012; Apr. 3.
- Bechard, Leslie J., assignor to Bunting Iron Works, Berkeley, Calif. Motor mounting. 1,680,843; Aug. 14.
- Becher, Harold M., and I. Levin, Brooklyn, N. Y. Inflatable form. 1,669,723; May 15.
- Becher, Hubert L., Trenton, assignor to The Agasote Millboard Company, Ewing Township, N. J. Sizing fibers. 1,678,720; July 31.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Matrix-making machine. 1,655,855; Jan. 10.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Inking mechanism for printing presses. 1,658,588; Feb. 7.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate-molding apparatus. 1,666,616; Apr. 17.
- Bechman, Henry F., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Bread-wrapping machine. 1,685,146; Sept. 25.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Knife bar for paper cutting and folding machines. 1,685,532; Sept. 25.
- Becht, Jesse, Connersville, Ind. Fence jack. 1,670,180; May 15.
- Bechtelheimer, Harry A., Rock Island, and H. P. Corbin, Moline, Ill., assignors, by mesne assignments, to Moline Implement Company. Power farming apparatus. 1,683,017; Sept. 4.
- Bechtold, John, assignor of one-eighth to A. A. Foote and one-eighth to J. L. Paine, Elma, Wash. Strawberry top and runner cutter. 1,665,998; Apr. 10.
- Bechtol, Archie H., Daytona Beach, Fla., and W. A. Tratsch, Chicago, Ill. Billiard table or similar article. Des. 74,592; Mar. 6.
- Bechtold, William S., Newark, N. J. Mirror or similar toilet article. Des. 75,765; July 17.
- Bechtold, William S., Newark, N. J. Mirror or similar toilet article. Des. 75,766; July 17.
- Bechtold, William S., Newark, N. J. Mirror or similar toilet article. Des. 75,767; July 17.
- Bechtold, William S., Newark, N. J. Mirror or similar toilet article. Des. 75,768; July 17.
- Beck, Adolf, Bitterfeld, assignor to the firm I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Refining light metals such as magnesium or aluminum or their alloys and recovering such metals from scrap. 1,661,526; Mar. 6.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Handle construction for grave vaults. 1,660,703; Feb. 28.
- Beck, Allen F., assignor to The Clark Grave Vault Company, Columbus, Ohio. Fastening mechanism for grave vaults. 1,689,101; Oct. 23.
- Beck, Alwin H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. 1,678,417; July 24.
- Beck, Arlie C., and A. S. Morningstar, Bentonville, Ark. Gasoline clarifier. 1,677,324; July 17.
- Beck, August B., Cranford, N. J., assignor of one-half to S. E. Rizzuto, Brooklyn, N. Y. Corset. 1,685,477; Sept. 25.
- Beck, Carl, Vienna, Austria. Sucking or feeding bottle. 1,669,892; May 15.
- Beck, Charles W., Toledo, Ohio, assignor to Beck-Frost Corporation, Detroit, Mich. Making acorn nuts. 1,670,296; May 22.
- Beck, Christoph. (See Wild, W., and Beck.)
- Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 74,250; Jan. 17.
- Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Metal bowl or similar article. Des. 74,960; Apr. 24.
- Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Fork or similar article. Des. 75,950; Aug. 7.
- Beck, Frederic, Neuilly, assignor to Societe Generale des Mandrins "Brevets Beck," Paris, France. Automatic chuck. 1,681,166; Aug. 21.
- Beck-Frost Corporation. (See Beck, Charles W., assignor.)
- Beck-Frost Corporation, The. (See Lober, George H., assignor.)
- Beck, Harold E., Chicago, Ill. Variable condenser. 1,681,907; Aug. 21.
- Beck, John L., Baltimore, Md. Sign. 1,691,456; Nov. 13.
- Beck, John S., Manville, N. J. Beater for paper-making machines. 1,670,181; May 15.
- Beck, John S., Manville, N. J. Beater. 1,670,183; May 15.
- Beck, John S., Manville, N. J. Paper-making machine. 1,670,182; May 15.
- Beck, Joseph C. (See Kessler, Frederick M., assignor.)
- Beck, Lester E., Kelly Station, Pa. Heat or pressure responsive circuit closer. 1,685,211; Sept. 25.
- Beck, Matthias A., Milwaukee, Wis., assignor to R. C. Mason, C. F. Farren, and T. J. Wood, Tulsa, Okla. Power-transmission mechanism. 1,673,795; June 19.
- Beck, Michael, Minneapolis, Minn. Combination air and electric brake. 1,682,824; Sept. 4.
- Beck, Ralph G. A., Montreal, Quebec, Canada. Nursing bottle and the like. 1,668,227; May 1.
- Beck, Roy C., Los Angeles, assignor to Selectasine System, San Francisco, Calif. Method of and apparatus for stenciling. 1,687,080; Oct. 9.
- Beck, Stephen E., St. Louis, Mo. Ironing or pressing machine pad. 1,666,870; Apr. 17.
- Beckanstin, Harry H., Hartford, Conn. Interlocking angle joint for door and window trim. 1,663,968; Mar. 27.
- Becker, Arman E., Elizabeth, N. J. Testing apparatus and using same. 1,686,365; Oct. 2.
- Becker, Arman E., Newark, N. J., assignor to Standard Oil Development Company. Distillation. 1,676,724; July 10.
- Becker, Berel. (See Carp, L., and Becker.)
- Becker, Bernard C., Rome, N. Y. Lead for lead pencils. 1,656,971; Jan. 24.

- Becker, Donald B., Watervliet, assignor to Geo. P. Ide & Company, Inc., Troy, N. Y. Collar package. 1,677,511; July 17.
- Becker, Edmund, deceased, Washington, D. C. C. Hindmarsh and M. L. Wallis, executrices. Aerial signaling method and means. 1,605,838; Apr. 10.
- Becker, Edmund H. (See Martus, M. L., and Becker.)
- Becker, Elam M., Lititz, Pa. Cultivator. 1,664,344; Mar. 27.
- Becker, Eli. (See Miller, I., Becker, and Elchenbaum.)
- Becker, Frank. (See Carp, L., and Becker.)
- Becker, Frank J., North Tonawanda, assignor of one-half to F. J. Moore, Buffalo, N. Y. Screening device. 1,680,243; Aug. 7.
- Becker, Frank W., Ocean Park, Calif. Game apparatus. 1,681,693; Aug. 21.
- Becker, Fred C., Jeannette, assignor to Westmoreland Specialty Company, Grapeville, Pa. Clamping mechanism. 1,659,074; Feb. 14.
- Becker, Frederick W., East Rutherford, N. J. Welding and cutting apparatus. Re16,948; May 1.
- Becker, Fritz H., Irvington, N. J. Ball-bearing center for machines. 1,681,087; Aug. 14.
- Becker, Georg F., Bremen, Germany. Connector for incandescent lamps. 1,696,663; Dec. 25.
- Becker Hardware Manufacturing Co. (See Becker, James P., assignor.)
- Becker, Harry S., River Forest, assignor to American Flyer Manufacturing Company, Chicago, Ill. Lighting system for toy observation cars. 1,674,238; June 19.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Bell-ringing means for toy locomotives. 1,677,669; July 17.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Bell-ringing toy locomotive. 1,684,754; Sept. 18.
- Becker, Harry S., River Forest, assignor to American Flyer Manufacturing Company, Chicago, Ill. Headlight and mounting for toy railway cars. 1,635,691; Sept. 25.
- Becker, Harry S., River Forest, assignor to American Flyer Mfg. Co., Chicago, Ill. Automatic signaling means for toy tracks. 1,692,285; Nov. 20.
- Becker, Harry S., River Forest, assignor to American Flyer Manufacturing Company, Chicago, Ill. Automatic switch. 1,692,367; Nov. 20.
- Becker, Hazen K., and E. G. Jurgens, assignors to Peters Machinery Company, Chicago, Ill. Package wrapping and banding machine. 1,687,488; Oct. 16.
- Becker, Heinrich, Kiel-Hasse, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Compressed-air starting device for internal-combustion engines. 1,668,886; May 8.
- Becker, James P., assignor to Becker Hardware Manufacturing Co., Miami, Fla. Closure operator. 1,668,259; May 1.
- Becker, John, Warren, Idaho. Cigar and cigarette holder. 1,672,194; June 5.
- Becker, John H., Richmond Hill, assignor to Warp Twisting-In Machine Company, Brooklyn, N. Y. Thread feeder for warp-twisting-in machines. 1,690,157; Nov. 6.
- Becker, John J., Brooklyn, N. Y. Mechanical toy. 1,665,578; Apr. 10.
- Becker, John J., New York, N. Y. Candlestick or other standard. 1,668,260; May 1.
- Becker, John J., New York, N. Y. Mechanical toy. 1,683,232; Sept. 4.
- Becker, John W., Chicago, Ill. Commutator resurfacers. 1,660,316; Feb. 28.
- Becker, Joseph, Pittsburgh, Pa., assignor to The Koppers Company. Gas purification. 1,665,013; Apr. 3.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,675,687; July 3.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,678,801; July 31.
- Becker, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,678,802; July 31.
- Becker, Joseph, assignor of twenty-five per cent to J. Nisbet and twenty-five per cent to H. C. Woodward, Shelby, Mont. Shock absorber for drilling rigs. 1,683,948; Sept. 11.
- Becker, Julius H., San Francisco, Calif., assignor, by mesne assignments, of one-half to American Research and Development Company. Liquid-level indicator. 1,671,624; May 29.
- Becker, Morris. (See Goldstein, Isidore M., assignor.)
- Becker, Nicholas A., Pittsburg, Calif. Radio aerial. Des. 74,162; Jan. 3.
- Becker, Oscar, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Holder for flat films with clamping devices for the edges of the films. 1,672,925; June 12.
- Becker, Otto, Jr., Barmen, Germany. Electric safety lamp for miners. 1,695,794; Dec. 18.
- Becker, Philip L., Flushing, assignor to The American Chicle Company, Long Island City, N. Y. Chewing-gum package and making the same. 1,690,098; Nov. 6.
- Becker, Rudolph, Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for sewing machines. 1,680,721; Aug. 14.
- Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Chain-stitch sewing machine. 1,684,004; Sept. 11.
- Becker, Wayne A., Covington, Ky., assignor of one-half to S. L. Kring, Cincinnati, Ohio. Swimming pool. 1,670,094; May 15.
- Becket, Alan L., East Orange, N. J. Incandescent electric lamp and producing the same. 1,657,060; Jan. 24.
- Becket, Alan L., East Orange, N. J. Card game. 1,665,903; Apr. 10.
- Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Zirconium-manganese steel. 1,660,409; Feb. 28.
- Becket, Frederick M., New York, N. Y., assignor to Electro-Metallurgical Company. Producing corrosion-resistant surfaces on metals. 1,672,444; June 5.
- Becket, Frederick M., assignor to Electro Metallurgical Company, New York, N. Y. Welding of copper and copper alloys. 1,680,844; Aug. 14.
- Becket, Frederick M., New York, N. Y., assignor to Electro Metallurgical Company. Zirconium-treated iron-chromium alloy. 1,689,276; Oct. 30.
- Becket, Frederick M., New York, N. Y., assignor to Oxweld Acetylene Company. Welding rod. 1,689,577; Oct. 30.
- Beckfield, John C., Pittsburgh, Pa. Ingot mold. 1,671,806; May 29.
- Becklin, Oscar, Seattle, Wash. Making wrenches. 1,656,343; Jan. 17.
- Beckman, Arnold O., Pasadena Calif. Signaling device. 1,684,659; Sept. 18.
- Beckman, Bernard C., Naperville, Ill., assignor to Beckman-Dawson Roofing Company. Composite siding. 1,674,630; June 26.
- Beckman-Dawson Roofing Company. (See Beckman, Bernard C., assignor.)
- Beckman-Dawson Roofing Co. (See Hofmann, William T., assignor.)
- Beckman, Henry M., Exeter, Calif. Fruit container. 1,660,410; Feb. 28.
- Beckmann, Johannes, Altona-Ottensen, Germany. Explosionproof fitting for electric glow lamps. 1,678,837; July 3.
- Beckmann, Wilhelm, Duisburg, and A. Schopper, Leipzig, Germany; said Beckmann assignors to said Schopper. Measuring apparatus for the thickness of webs. 1,692,243; Nov. 20.
- Beckwith Company, The. (See Firestone, James F., assignor.)
- Beckwith, Harry H. (See Baynard, William H., assignor.)
- Beckwith, Harry H. (See Jennings, Melvin O., assignor.)
- Beckwith, Harry H. (See Lane, Elmer E., assignor.)
- Beckwith, Joseph H., Pine Bluff, Ark. Brick mold. 1,635,188; Sept. 25.
- Beckwith Manufacturing Company. (See Clapp, Albert L., assignor.)
- Beckwith, Otto Q. (See Isbell, John F., assignor.)
- Beckworth, Otto Q., Los Angeles, Calif. Thermostatic current control. 1,665,014; Apr. 3.
- Becton, Dickinson & Co. (See Dickinson, F. S., and Fleischer, assignors.)
- Becton, Dickinson & Co. (See Marschalek, Alexander, assignor.)
- Bédard, Napoléon, Quebec, Quebec, Canada. Boiler furnace. 1,669,594; May 15.
- Beddoes, Hubert, assignor to Pacific Flush Tank Company, Chicago, Ill. Sprinkler head. 1,667,964; May 1.
- Bedford, Charles S., Leeds, England. Dyeing artificial silk. 1,657,656; Jan. 31.
- Bedford, Emil. (See King, F. A., and Bedford.)
- Bedford, Howard E., London, England, assignor, by mesne assignments, to Pyrene Minimax Corporation, Newark, N. J. Fire-extinguishing plant. 1,655,722; Jan. 10.
- Bedford Tire and Rubber Co. (See Grant, Ralph W., assignor.)
- Bedlovitz, Steven G., assignor to The Electro Compound Company, Cleveland, Ohio. Lubricating compound and making same. 1,659,075; Feb. 14.
- Bee, Joseph R., assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England. Driving mechanism for the spindles of spinning and like machines. 1,669,585; May 15.
- Beebe, Edward M., Cushing, Okla. Slush-pump manifold. 1,686,310; Oct. 2.
- Beebe, Gaylord W., Albany, Ga. Check protector. 1,680,443; Aug. 14.
- Beebe, Herbert F., assignor to Winchester Repeating Arms Company, New Haven, Conn. Battery hand lamp. 1,688,373; Oct. 23.
- Beebe, Murray C., Cincinnati, Ohio, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Photographic and etching process and product. 1,655,127; Jan. 3.
- Beebe, Murray C., Cincinnati, Ohio, assignor to The Wadsworth Watch Case Co., Dayton, Ky. Surface-ornamenting process and apparatus. 1,658,509; Feb. 7.
- Beebe, Murray C., Waterbury, Conn., A. Murray, Cincinnati, Ohio, and H. V. Herlinger, Southgate, assignors to The Wadsworth Watch Case Co., Dayton, Ky. Photographic medium and process. 1,658,510; Feb. 7.
- Beebe, Orlando M. (See Bell, E. L., and Beebe.)
- Beebe, Orville C., et al. (See Muckelrath, Monroe M., assignor.)
- Beeby, James, Chicago, Ill. Semaphore and the like for automobiles. 1,682,951; Sept. 4.
- Beecher, Eugene L. (See McElroy, J. J., and Beecher.)
- Beechlyn, John T., Worcester, Mass., assignor, by mesne assignments, to Haptograph, Inc. Animated picture display. 1,689,102; Oct. 23.
- Beech-Nut Packing Company. (See Esworthy, Joseph W., assignor.)

- Beech-Nut Packing Company. (See Hamlin, Marston L., assignor.)
- Beech-Nut Packing Company. (See Howe, D. W., Pickett, and McBean, assignors.)
- Beech-Nut Packing Company. (See Neusbaum, Charles W., assignor.)
- Beech-Nut Packing Company. (See Washburn, Walter B., assignor.)
- Beede, Herbert G., Pawtucket, R. I. Garment-pressing machine. 1,661,153; Mar. 6.
- Beede, Herbert G., Pawtucket, R. I., and H. E. Cohen, Brooklyn, N. Y., assignors to Pantex Pressing Machine, Inc., Pawtucket, R. I. Valve for steam pressing machines. 1,671,179; May 29.
- Beede, Walter E., Penacook, N. H. Tube-socket meter. 1,689,853; Oct. 30.
- Beehman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Changeable rotary folder. 1,679,289; July 31.
- Beeman Tractor Company. (See Liedtke, A. J., and Travers, assignors.)
- Beemer, Frank, Philadelphia, Pa. Latch. 1,654,913; Jan. 3.
- Beemer, Frank, Philadelphia, Pa. Mounting for bearings for automobile clutches. 1,668,668; May 8.
- Beemer, Frank, Philadelphia, Pa. Double-row ball-bearing wheel. 1,674,087; June 19.
- Beeneken, Adolf, Berlin, Germany. Apparatus for obtaining synchronism between picture and music in cinematographic performances. 1,683,753; Sept. 11.
- Beer, Joseph P., Wilmington, assignor to Regan Forge and Engineering Company, San Pedro, Calif. Latch mechanism for hooks. 1,669,805; May 15.
- Beer, Samuel A. (See Rosenfield, Louis and J., and Beer.)
- Beers, Burton B. (See Labadie, H. H., and Beers.)
- Beers, Louis G., assignor to The New Jersey Wire Cloth Company, Trenton, N. J. Window screen. 1,690,094; Nov. 6.
- Beers, Randall H., East Orange, N. J. Electrical display for strangled musical instruments. 1,669,117; May 8.
- Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker. 1,656,937; Jan. 24.
- Beers, Royce L., assignor to Detroit Stoker Company, Detroit, Mich. Stoker. 1,688,608; Oct. 23.
- Beers, Royce L., Detroit, Mich., assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Underfeed stoker. 1,691,373; Nov. 13.
- Beery, Florence E., Los Angeles, Calif. Jar and other receptacle and closure therefor. 1,654,914; Jan. 3.
- Bees, Paul M., Chicago, Ill., assignor to Cornell Wood Products Company. Bathtub shipping crate and cover. 1,679,891; Aug. 7.
- Begerow, John H. W. (See Crowe, J. J., and Begerow.)
- Beggs, Samuel, Chicago, Ill. Combination toilet-paper holder and mirror. Des. 7,461; Oct. 2.
- Beghetti, Peter, San Francisco, Calif. Concrete-form brace. 1,664,152; Mar. 27.
- Behne, Joseph H., Jr., Independence, Mo. Lettering on stone monuments and other hard substances. 1,684,431; Sept. 18.
- Behmer, Otto, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Making gasoline. Re16,877; Feb. 14.
- Behmer, William J., Batesville, Ind. Window-sash mounting. 1,660,063; Feb. 21.
- Behning, Edward F., Detroit, Mich., assignor to Diamond State Fibre Company, Bridgeport, Pa. Drive chain. 1,693,431; Nov. 27.
- Behnke, Codd H., Maspeth, N. Y. Radiator cap. 1,674,188; June 19.
- Behnke, George W. (See Soldan, L. E., and Behnke.)
- Behnke, Guy E. (See Childs, W. L., Behnke, and Duda.)
- Behr, Allen, Brooklyn, N. Y. Sport shoe. 1,664,728; Apr. 3.
- Behrens, Albert I., New York, N. Y. Hosiery. 1,669,850; May 15.
- Behrens, Frederick F. F., Clarendon Hills, assignor of twenty-five per cent to V. Behrens, Chicago, Ill. Automobile sanding device. 1,669,408; May 15.
- Behrens, Richard L. (See Schou, T., and Behrens.)
- Behrens, Victor. (See Behrens, Frederick F. F., assignor.)
- Behrens, Walter A., Hollis, N. Y. Paste-tube holder. 1,691,457; Nov. 13.
- Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Pile wire. 1,671,270; May 29.
- Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Package closure. 1,690,850; Nov. 6.
- Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Package and closure therefor. 1,690,851; Nov. 6.
- Behrman, Marcus B., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Package and closure therefor. 1,690,852; Nov. 6.
- Behrman, Marcus B., assignor to The Lox Seal Corporation, New York, N. Y. Packaging. 1,690,853; Nov. 6.
- Beich, Paul F., Company. (See Hopkins, Archibald E., assignor.)
- Beidatsch, Fred W., Milwaukee, Wis. Weedless fish bait. 1,694,697; Dec. 11.
- Beidler, George C., Rochester, N. Y. Photographing and developing apparatus. 1,664,729; Apr. 3.
- Beidler, George C., Rochester, N. Y. Film-roll box and mounting. 1,664,730; Apr. 3.
- Beidler, George C., Rochester, N. Y. Coil-film developer. 1,664,731; Apr. 3.
- Beiersdorf, Hans, Berlin-Grunewald, Germany, assignor to Westinghouse Electric and Manufacturing Company. Thermal protective system. 1,693,362; Nov. 27.
- Beifos, Anton, Newark, N. J. Collar-button clasp. 1,685,595; Sept. 25.
- Beiger, Fred S. (See Eustis, R. I., and Beiger.)
- Beiger, John W., Ludington, Mich., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Cabinet. 1,669,185; May 8.
- Beij, Karl H. (See Hunt, F. L., and Beij.)
- Beirnes, Alfred H., Winnipeg, Manitoba, Canada. Oil burner. 1,678,314; July 24.
- Beisel, Rex B., Garden City, and W. L. Gilmore, Mineola, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Airplane. 1,666,769; Apr. 17.
- Beisler, Josef, Hamburg, Germany. Artificial-tooth fastening. 1,688,517; Oct. 23.
- Beisser, Harry, Detroit, Mich. Key machine. 1,659,187; Feb. 14.
- Bekesch, Anna, assignor to V. Gross and A. Mayer, Vienna, Austria. Cinematographic toy. 1,680,659; Aug. 14.
- Belber, Aaron S. (See Mulford, W. H., and Belber.)
- Belber Trunk & Bag Company, The. (See Mulford, W. H., and Belber, assignors.)
- Belcher, Warren J., assignor to The Whitney Mfg. Company, Hartford, Conn. Silent-chain drive. 1,670,278; May 15.
- Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Connecting pin for link chains. 1,678,315; July 24.
- Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain-drive gearing. 1,678,457; July 24.
- Beldam Asbestos Company Limited. (See Beldam, William R., assignor.)
- Beldam, George W., Ealing, England. Golf or similar game ball. 1,681,167; Aug. 21.
- Beldam, William R. (See Fulcher, F. C., and Beldam.)
- Beldam, William R., assignor to Beldam Asbestos Company Limited, Hounslow, England. Packing. 1,655,589; Jan. 10.
- Belden, Edward H., assignor to Belden Patents Incorporated, Toledo, Ohio. Counterbalanced-piston motor. 1,686,790; Oct. 9.
- Belden, Edward H., Toledo, assignor to Belden Patents Incorporated, Toledo, Ohio. Sleeve-valve two-cycle motor. 1,686,789; Oct. 9.
- Belden, Kathrynne I., Peoria, Ill. Toy. 1,676,884; July 10.
- Belden Manufacturing Company. (See Hovlid, Norman G., assignor.)
- Belden Manufacturing Company. (See Wermin, Hugo H., assignor.)
- Belden Patents Incorporated. (See Belden, Edward H., assignor.)
- Belden, Pauline D., New York, N. Y. Garment supporter. 1,664,345; Mar. 27.
- Belier, Adolf, deceased, Pittsburgh, Pa.; E. Belier, executrix. Thermostatic valve. 1,691,908; Nov. 13.
- Belier, Elizabeth, executrix. (See Belier, Adolf.)
- Belfield, William A., Philadelphia, Pa. Spirit-level tube. 1,669,035; May 8.
- Belfry, Alfred W., Detroit, Mich. Bath mit. 1,688,374; Oct. 23.
- Belin, Edouard, Paris, France. Secret-message-transmitting system. 1,657,366; Jan. 24.
- Belin, Edouard, Rueil, France. Television. 1,670,795; May 22.
- Belke, William E., Chicago, Ill. Plating tank. 1,695,795; Dec. 18.
- Bell, Alfred B. (See Hansen, C. T., and Bell.)
- Bell, Andrew, Youngstown, Ohio. Bricklayer's tool. 1,682,061; Aug. 28.
- Bell, Arthur F. L., assignor to Associated Oil Company, San Francisco, Calif. Treating oils. 1,655,890; Jan. 10.
- Bell, Benjamin F., sr., Tyler, Tex. Mouth gag and tongue holder. 1,695,168; Dec. 11.
- Bell, Clayton. (See Herrin, Charles W., assignor.)
- Bell, Daniel, assignor to Invincible Laundry Equipment Co., Chicago, Ill. Cylinder door latch. 1,675,591; July 3.
- Bell, Daniel, Chicago, Ill., assignor to Invincible Laundry Equipment Co. Clothes drier. 1,691,042; Nov. 13.
- Bell, Earl R., assignor of one-fourth to A. L. Evans and one-fourth to R. A. Lenox, Covington, Ky. Concrete-spreader mold. 1,675,443; July 3.
- Bell, Edwin H., Chicago, Ill. Tie plate. 1,669,441; May 15.
- Bell, Edwin H., and W. S. Boyce, Chicago, Ill. Railway tie. 1,669,440; May 15.
- Bell, Elva L., and O. M. Beebe, Spokane, Wash. Roofing strip. 1,683,016; Sept. 4.
- Bell Equipment Company Limited. (See Dobson, Percy R., assignor.)
- Bell, Frank B., and O. R. Wikander, assignors to Edgewater Steel Company, Pittsburgh, Pa. Cushioning or shock-absorbing device. 1,689,662; Oct. 30.
- Bell, George W., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Thread cutter for sewing machines. 1,669,278; May 8.

- Bell, George W., Hamilton, Ontario, assignor to Getly and Scott Limited, Galt, Ontario, Canada. Rubber-soled footwear. 1,675,206; June 26.
- Bell, George W., assignor to Messrs. Getly and Scott Limited, Galt, Ontario, Canada. Spike base for athletic shoes. 1,696,619; Dec. 25.
- Bell, Harry J., Waynesboro, Pa. Case for music records. 1,688,224; Oct. 16.
- Bell, Harvey W., Yonkers, N. Y., assignor to The Beloyt Corporation, Dover, Del. Supporting connection for parts of motor vehicles. 1,660,029; Feb. 21.
- Bell, Harvey W., Yonkers, N. Y., assignor to The Beloyt Corporation, Dover, Del. Flexible connection. 1,660,031; Feb. 21.
- Bell, Harvey W., Ardsley-on-Hudson, N. Y., assignor to The Beloyt Corporation, Dover, Del. Spring-shackle link. 1,660,030; Feb. 21.
- Bell, Herbert A., et al. (See Hall, Judson, assignor.)
- Bell & Howell Company, The. (See Howell, Albert S., assignor.)
- Bell-Irving, Robin, and P. Sandwell, Power River, British Columbia, Canada. Condensate-removing system. 1,681,344; Aug. 21.
- Bell, Ivan C. (See Crickmer, C. S., and Bell.)
- Bell, Ivan C., Cameron, assignor to The Guiberson Corporation, Dallas, Tex. Multiple-cutter-disk bit. 1,657,604; Jan. 31.
- Bell, Ivan C., Cameron, assignor to The Guiberson Corporation, Dallas, Tex. Multiple-cutter-disk bit. 1,657,605; Jan. 31.
- Bell, Ivan C., Cameron, assignor to The Guiberson Corporation, Dallas, Tex. Multiple-cutter-disk bit. 1,657,606; Jan. 31.
- Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Drill-bit reamer and gauge. 1,657,611; Jan. 31.
- Bell, James H. (See Beyer, Arthur J. A., assignor.)
- Bell, James M., assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Temperature indicator for heating stoves. 1,659,347; Feb. 14.
- Bell, James, and W. H. Sagstetter, Montpelier, Ohio. Valve for air-brake systems. 1,670,950; May 22.
- Bell, John E. (See Isom, E. W., and Bell.)
- Bell, John E., Brooklyn, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y. Fluid heating. 1,666,028; Apr. 10.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Tubular fluid-heating apparatus. 1,667,833; May 1.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Welded heat-transfer apparatus. 1,671,098; May 29.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Heat transfer. 1,681,926; Aug. 28.
- Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Fractional distillation of petroleum. 1,683,150; Sept. 4.
- Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Method and apparatus for distilling petroleum oils. 1,683,151; Sept. 4.
- Bell, John E., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Economizer boiler. 1,685,893; Oct. 2.
- Bell, John E., Brooklyn, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Operation of pressure stills. 1,693,946; Dec. 4.
- Bell, John E., deceased; L. R. Bell, Brooklyn, executrix; and E. W. Isom, Locust Valley, assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,660,856; Feb. 28.
- Bell, John E., deceased, Brooklyn; L. R. Bell, executrix, Jackson Heights, assignor to Foster Wheeler Corporation, New York, N. Y. Sectional water back. 1,666,483; Apr. 17.
- Bell, John E., deceased; L. R. Bell, executrix, Brooklyn, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,688,325; Oct. 23.
- Bell, John W., Ogdensburg, N. Y. Inclination indicator. 1,684,788; Sept. 18.
- Bell, Joseph B., et al. (See Adams, Ervin, assignor.)
- Bell, Kenneth D., South Bend, Ind., and E. Meinzinger, Dearborn, Mich. Measuring device. 1,679,927; Aug. 7.
- Bell, Lola R. (See Bell, John E.)
- Bell, Lola R., executrix. (See Bell, John E.)
- Bell, Lola R., executrix. (See Bell, J. E., and Isom.)
- Bell, Louis. (See Wolfe, W. G., and Bell.)
- Bell, Louis, deceased; S. G. Bell, administratrix, Newton, and W. G. Wolfe, Greenwood; said S. G. Bell assignor, by mesne assignments, to S. G. Bell, Newton, Mass. Fluid filter for the absorption of certain radiations. 1,681,276; Aug. 21.
- Bell Register, Inc. (See Bell, Samuel J., assignor.)
- Bell, Richard H., Santa Clara, Calif. Radiosignaling. 1,668,261; May 1.
- Bell, Robert A., Chicago, Ill., assignor to Goss Printing Press Company, Quick lock-up for plate cylinders. 1,658,033; Feb. 7.
- Bell, Robert, Hanover, Ontario, Canada. Radiocircuits. 1,679,347; Aug. 7.
- Bell, Samuel J., West Springfield, assignor to Bell Register, Inc., Springfield, Mass. Fare box. 1,669,967; May 15.
- Bell, Sarah G., administratrix. (See Bell, L., and Wolfe.)
- Bell Telephone Laboratories, Incorporated. (See Adams, William J., jr., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Baumann, Harold C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Björnson, Björn G., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Buckley, Oliver E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Caverly, Harry C., assignor.)
- Bell Telephone Laboratories. (See Clement, Lewis M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Clokey, Allison A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Curran, S. T., and Mueller, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dahl, Jack F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dehn, Joseph W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See De Monte, Robert W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Dunham, Bert G., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Elmen, Gustaf W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Foley, John W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Fowler, C. B., and Lucke, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Gargan, John O., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Goff, Harold W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hague, Alfred E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hampton, Leon N., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Harper, Robert W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Harvey, William H., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hess, George K., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Hinrichsen, Edward E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Holland, Newman H., assignor.)
- Bell Telephone Laboratories. (See Hoch, Ellery T., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)
- Bell Telephone Laboratories. (See Hoyt, F. A., and Shann, assignors.)
- Bell Telephone Laboratories Incorporated. (See Ives, Herbert E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Jordan, William C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Johnson, Kenneth S., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Johnson, L. H., and Hague, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Jones, Warren C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Kerr, Mark B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Korn, Franklin A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Lamberty, Frederick R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Locke, George A., assignor.)
- Bell Telephone Laboratories, Incorporated, et al. (See Locke, G. A., and Haglund, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Lum, George R., assignor.)
- Bell Telephone Laboratories, Inc. (See Manderfeld, Emanuel C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Moore, Charles R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mortimer, Louis A., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Mougey, Wilbur E., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Murphy, Paul B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See O'Neill, Henry W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Phelps, Walter A., assignor.)

- Bell Telephone Laboratories, Incorporated. (See Porter, Leslie F., assignor.)
- Bell Telephone Laboratories, Inc. (See Quass, Ralph L., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Raynsford, Arthur, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Rettenmeyer, Francis X., assignor.)
- Bell Telephone Laboratories, Inc. (See Ryan, Francis M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Smith, Edmund B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Thayer, Walter J., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Toomey, J. F., and Duhnkrack, assignors.)
- Bell Telephone Laboratories, Incorporated. (See Ulrich, Horace W., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Wheeler, Edmund B., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Whiting, Donald F., assignor.)
- Bell Telephone Laboratories, Incorporated. (See Whitney, Wiley, assignor.)
- Bell Telephone Laboratories, Incorporated. (See Williams, Samuel B., assignor.)
- Bell, Thomas, Richmond, Va. Vulcanizer. 1,681,086; Aug. 14.
- Bell, Thomas W., and T. C. Rogers, Parkersburg, W. Va. Wire-line clamp. 1,686,547; Oct. 9.
- Bell, William D. Columbus, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Method and apparatus for ejecting lubricants. 1,679,849; Aug. 7.
- Bell, William M., Portsmouth, Ohio. Auxiliary container for toilets. 1,683,754; Sept. 11.
- Bell, William M., Portsmouth, Ohio. Forming closures. 1,690,523; Nov. 6.
- Bell, William T., Concord, N. H. Link mat. 1,693,803; Dec. 4.
- Bellak, Charles M., New York, N. Y. Cigarette holder. 1,684,005; Sept. 11.
- Bellamore, David H., New York, N. Y., and C. P. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Safe construction. 1,688,849; Oct. 23.
- Bellamy, John I. (See Richardson, R. G., and Bellamy.)
- Bellamy, John I., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Remote-control system. 1,674,127; June 19.
- Bellamy, John I., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,694,615; Dec. 11.
- Bellamy, John I., Brookfield, and J. E. Gardner, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,683,857; Sept. 11.
- Bellanca, Giuseppe M., Passaic, N. J. Landing gear for airplanes. 1,691,105; Nov. 13.
- Bellar, David. (See Rhodes, W. A., and Bellar.)
- Bellavance, Edward. (See Addyman, A., and Bellavance.)
- Belle City Electric Company. (See Rittman, J. W., Rood, and Driver, assignors.)
- Belleaud, René L. M., and J. Barrolier, Courbevoie, France. Metallic vapor lamp. 1,656,898; Jan. 24.
- Bellemare, Arthur, Three Rivers, Quebec, Canada. Paper-making machine. 1,680,277; Aug. 14.
- Belleville Stove & Range Company. (See Sattler, Elmer A., assignor.)
- Bellile, Gordon L., and F. Reissmann, Rhinelander, Wis. Gaff hook. 1,692,325; Nov. 20.
- Bellinger, James G., Cleveland, Ohio. Method and apparatus for testing and sorting materials. 1,663,539; Mar. 27.
- Bellini, Ettore, Paris, France. Radiogoniometer. 1,670,489; May 22.
- Bellis, Glenford L., et al. (See Fischer, Joseph C., assignor.)
- Belliss and Morcom Limited. (See Jude, Alexander, assignor.)
- Bellman, Richard J., Winfield, Kans. Egg-candling device. 1,675,632; July 3.
- Bellochio, John, New York, N. Y. Extension table. 1,667,411; Apr. 24.
- Bellone, Michael A. (See Fullerton, F. W. L., and Bellone.)
- Bellowans, William, and P. Richards, Plymouth, Pa. Safety device for elevators. 1,660,064; Feb. 21.
- Bellows, Henry W. (See Bodwell, P. D., and Bellows.)
- Belluche, Elmer W., Racine, Wis., assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,686,510; Oct. 9.
- Belluche, Elmer W., Racine, Wis., assignor, by mesne assignments, to Dexter Folder Company, New York, N. Y. Sheet feeder. 1,686,595; Oct. 9.
- Belluche, Frank R., Mansfield, Mass. Mechanical movement. 1,678,548; July 24.
- Belluzzo, Giuseppe, Milan, Italy. Wheel for internal-combustion turbines. 1,657,192; Jan. 24.
- Belluzzo, Giuseppe, assignor to Società Italiana Ernesto Breda, Milan, Italy. Steam turbine locomotive. 1,665,590; Apr. 17.
- Belo, A. H., & Co. (See Cunningham, George D., assignor.)
- Belohlavek, Bill J., San Antonio, Tex. Collapsible auxiliary seat. 1,688,225; Oct. 16.
- Beloit, Harry, San Pedro, assignor to Economy Pump and Oil Tool Company, Los Angeles, Calif. Deep-well pump. 1,690,393; Nov. 6.
- Beloit Iron Works. (See Aldrich, Alonzo, assignor.)
- Beloit Iron Works. (See Aldrich, A., and Berry, assignors.)
- Beloit Iron Works. (See Berry, Earl E., assignor.)
- Belokopytoff, Alexander J., New York, N. Y. Tabulating attachment for typographical machines. 1,656,938; Jan. 24.
- Belote, Massie M., Valdosta, Ga. Lock for service cocks. 1,683,649; Sept. 11.
- Beloyst Corporation, The. (See Bell, Harvey W., assignor.)
- Belrose, Albert J., assignor to The Kiel Furniture Co., Milwaukee, Wis. Table-leaf-aligning device. 1,682,210; Aug. 28.
- Belsch, Stanley G., Detroit, Mich. Sign. Des. 74,714; Mar. 20.
- Belt, Fred R., Chicago, Ill. Poker-chip set. 1,690,394; Nov. 6.
- Belt, William O. (See French, Robert G., assignor.)
- Bement, Newton S., Ann Arbor, Mich. Traffic light. 1,664,536; Apr. 3.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building construction. 1,671,462; May 29.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Toy building. 1,671,505; May 29.
- Bemis, Albert F., Newton, assignor to Bemis Industries, Inc., Boston, Mass. Building construction. 1,693,742; Dec. 4.
- Bemis Bro. Bag Company. (See Finn, L. J., and Morrill, assignors.)
- Bemis Bro. Bag Co. (See Young, Raymond L., assignor.)
- Bemis Bros. Bag Company. (See Morrill, P. E., and Pierce, assignors.)
- Bemis Industries, Inc. (See Bemis, Albert F., assignor.)
- Bemis Industries, Inc. (See Brown, Horatio W., assignor.)
- Bemis Industries, Inc. (See Folger, H. C., and O'Connell, assignors.)
- Bemm, Frank W., Milwaukee, Wis., assignor to O. G. Stoffregen, Chicago, Ill. Lingerie clasp. 1,695,521; Dec. 18.
- Benade, Walther. (See Siebert, O., Thiess, Schöner, Schmidlin, Benade, and Deicke.)
- Benbow, Burnie L., Cleveland, Ohio. Packing and making same. 1,686,063; Oct. 2.
- Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Fluid-pressure-operated mechanism for dump cars. 1,678,900; July 31.
- Bench, John D., Okmulgee, Okla. Bottle-dispensing-machine attachment. 1,662,230; Mar. 13.
- Benda, Jaroslav, Prague, Czechoslovakia. Footwear. 1,692,539; Nov. 20.
- Benda, Louis, Mainkur, near Frankfurt-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft. Substituted 4,4'-dihydroxybisacetylaminobenzenes. 1,680,845; Aug. 14.
- Bender, Charles M. (See White, Beverly, assignor.)
- Bender, Frank J., assignor of one-eighth per cent to J. C. Weirsert, one-eighth per cent to J. Hollerbach, Forest Park, and one-eighth per cent to L. Stiegart, River Forest, Ill. Milk meter. 1,663,933; Mar. 27.
- Bender, George H., Detroit, Mich. Alloy. 1,685,975; Oct. 2.
- Bender, Hugh D., Brooklyn, and R. J. Kent, Jamaica, N. Y., assignors to American Telephone and Telegraph Company. Braid stripper for insulated wires. 1,663,748; Mar. 27.
- Bender, Robert C., St. Louis, Mo. Combination vehicle and walker. 1,662,292; Mar. 13.
- Bender, Robert C., Davenport, Iowa. Humidifier. 1,668,000; May 1.
- Bender, Robert C., St. Louis, Mo. Humidifier and dust collector. 1,668,041; May 1.
- Bender, Robert C., St. Louis, Mo. Humidifier and dust collector for heating systems. 1,668,042; May 1.
- Bender, William, Downers Grove, Ill., assignor to Ramapo Ajax Corporation, New York, N. Y. Compromise angle bar. 1,688,107; Oct. 16.
- Bendero, Peter H., Minneapolis, Minn. Combination food server. Des. 76,909; Nov. 20.
- Bendix Brake Company. (See Andres, William J., assignor.)
- Bendix Brake Company. (See Bendix, Vincent, assignor.)
- Bendix Brake Company. (See Bendix, V., and Dodge, assignors.)
- Bendix Brake Company. (See Cautley, John R., assignor.)
- Bendix Brake Company. (See Clark, Otto B., assignor.)
- Bendix Brake Company. (See Contalen, Louis, assignor.)
- Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
- Bendix Brake Company. (See Humphrey, Homer D., assignor.)
- Bendix Brake Company. (See Krieg, Walter L., assignor.)
- Bendix Brake Company. (See Kulick, Edward L., assignor.)
- Bendix Brake Company. (See La Brie, Ludger E., assignor.)
- Bendix Brake Company. (See Laddon, I. M., Ring, and Herman, assignors.)

- Bendix Brake Company. (See Long, Leland E., assignor.)
- Bendix Brake Company. (See Lyman, Kenneth E., assignor.)
- Bendix Brake Company. (See McConkey, Montgomery W., assignor.)
- Bendix Brake Company. (See McDonald, Eugene G., assignor.)
- Bendix Brake Company. (See Nowosielski, Edward B., assignor.)
- Bendix Brake Company, The. (See Parsons, Ben G., assignor.)
- Bendix Brake Company. (See Price, Jacob L., assignor.)
- Bendix Brake Company. (See Renaux, Eugène P., assignor.)
- Bendix Brake Company. (See St. John, Frank, assignor.)
- Bendix Brake Company. (See Sanford, Roy S., assignor.)
- Bendix Brake Company. (See Sanford, Bert J., assignor.)
- Bendix Brake Company. (See Smith, F. H., and Sindelar, assignors.)
- Bendix Brake Company. (See Thomas, George J., assignor.)
- Bendix, Carl J., East Melbourne, Australia. Chair particularly for office use. 1,688,956; Oct. 23.
- Bendix Corporation. (See Perrot, Henri, assignor.)
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake control. 1,656,263; Jan. 17.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake control. 1,656,939; Jan. 24.
- Bendix, Vincent, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake control. 1,657,061; Jan. 24.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,657,852; Jan. 31.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Lever mounting. 1,663,290; Mar. 20.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,671,759; May 29.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake adjustment. 1,674,313; June 19.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,675,291; June 26.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,675,526; July 3.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,677,381; July 17.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Lever. 1,683,378; Sept. 4.
- Bendix, Vincent, assignor to Bendix Brake Company, Chicago, Ill. Making brakes. 1,689,766; Oct. 30.
- Bendix, Vincent, Chicago, Ill., and A. Y. Dodge, South Bend Ind., assignors to Bendix Brake Company, Chicago, Ill. Duplex brake. 1,689,767; Oct. 30.
- Bendixen, George. (See Whitescarver, C. T., and Bendixen.)
- Bendixen, Niels, London, England, assignor to J. G. Y. D. Morgan. Apparatus for mixing liquids with solid or semisolid substances or with other liquids. 1,689,103; Oct. 23.
- Bendry, James H., et al. (See Bendry, William H., assignor.)
- Bendry, William H., assignor of one-fourth to W. J. Bendry and one-fourth to J. H. Bendry, Hancock, Mich. Water-heating system. 1,659,717; Feb. 21.
- Bendry, William J., et al. (See Bendry, William H., assignor.)
- Benedetti, Louis, assignor to E. D. T. Guenther, Columbus, Ohio. Manhole cover. 1,693,190; Nov. 27.
- Benedicks, Carl, Stockholm, Sweden. Treating liquids. 1,691,458; Nov. 13.
- Benedict, Edward L., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Fabric structure. 1,665,433; Apr. 10.
- Benedict, George W., assignor to Mid-West Manufacturing Company, Minneapolis, Minn. Universal joint. 1,685,446; Sept. 25.
- Benedict, George W., assignor, by mesne assignments, to M. Ezell, Oakland, Calif. Brake drum. 1,694,052; Dec. 4.
- Benedict, Herschel A., East Orange, and E. M. Moller, South Orange, N. J. Fastening means. 1,675,688; July 3.
- Benedict, Michael, New York, N. Y. Vending machine. 1,669,547; May 15.
- Benedict, T. N., Mfg. Co. (See Saunders, Albert F., assignor.)
- Benesch, Matthew E., Cicero, Ill., assignor to The Connersville Blower Co., Connersville, Ind. Oilier. 1,678,206; July 24.
- Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Mirror. 1,659,761; Feb. 21.
- Benford, Frank A., Schenectady, N. Y., assignor to General Electric Company. Reflectometer. 1,677,014; July 10.
- Benge, Joseph B., assignor to Orange-Crush Company, Chicago, Ill. Dispensing stand. Des. 75,002; May 1.
- Benham, Edgar M., Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Lock. 1,665,015; Apr. 3.
- Benham, Edgar M., Norwood, and G. J. Bauer, Madisonville, Ohio, assignors to The Mosler Lock Company, Covington, Ky. Lock. 1,665,016; Apr. 3.
- Benham, Edgar M., and W. T., Norwood, Ohio, assignors to The Mosler Lock Company, Covington, Ky. Protection device for tumbler locks. 1,691,030; Nov. 13.
- Benham, Henry, Breckenridge, Tex. Automatic safety intake and outlet valve for tanks. 1,692,151; Nov. 20.
- Benham, William T. (See Benham, Edgar M. and W. T.)
- Benica, Charles W., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,689,854; Oct. 30.
- Benien, William, and J. I. Flaherty, Lincoln, Kans. Anti-skid device for automobile wheels. 1,667,686; Apr. 24.
- Benisch, Max C., Corona, N. Y. Abdominal support and jock strap. 1,672,296; June 5.
- Bénit, Henri, Paris, France. Driving mechanism for winders for artificial silk. 1,661,990; Mar. 6.
- Bénit, Henri, Paris, France. Reel for cables. 1,661,991; Mar. 6.
- Bénit, Henri, Paris, France. Aluminum alloy of high resistance. 1,680,004; Aug. 7.
- Bénit, Henri, assignor to Compagnie Generale d'Electricité, Paris, France. Spring-belt stretcher. 1,695,945; Dec. 18.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Planter attachment for tractors. 1,663,236; Mar. 20.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Tractor attachment. 1,680,846; Aug. 14.
- Benjamin, Bert R., Oak Park, assignor to International Harvester Company, Chicago, Ill. Tractor plow. 1,685,267; Sept. 25.
- Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Cultivator blade. 1,685,268; Sept. 25.
- Benjamin, Bert R., Oak Park, and W. S. Graham, Canton, assignors to International Harvester Company, Chicago, Ill. Planter attachment. 1,659,014; Feb. 14.
- Benjamin, Bert R., Oak Park, and C. R. Raney, assignors to International Harvester Company, Chicago, Ill. Tractor cultivator. 1,667,371; Apr. 24.
- Benjamin, Bert R., Oak Park, C. R. Raney, Chicago, and W. Webber, La Grange, assignors to International Harvester Company, Chicago, Ill. Power-drive grain binder. 1,695,522; Dec. 18.
- Benjamin, Charles S., East Orange, N. J., assignor to General Chemical Company, New York, N. Y. Making hydrogen chloride and sodium sulphate. 1,693,217; Nov. 27.
- Benjamin, Dana H., Cleveland Heights, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing and ironing machine. 1,674,274; June 19.
- Benjamin, Dana H., Cleveland Heights, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Neckband and attached-collar ironing machine. 1,691,106; Nov. 13.
- Benjamin Eastwood Company. (See Wells, William S., assignor.)
- Benjamin, Edward O., Newark, N. J. Hydrocarbon burner and gas generator. 1,672,997; June 12.
- Benjamin Electric Company. (See Moyer, Charles L., assignor.)
- Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
- Benjamin Electric Mfg. Co. (See Benjamin, R. B., and Warner, assignors.)
- Benjamin Electric Manufacturing Company. (See Niemann, George F., assignor.)
- Benjamin Electric Manufacturing Company. (See Powers, Percival A., assignor.)
- Benjamin Electric Manufacturing Company. (See Warner, Chester E., assignor.)
- Benjamin, E. V., Company, The. (See Orndoff, Herbert W., assignor.)
- Benjamin, Emanuel V., assignor to Myles Salt Company, Limited, New Orleans, La. Apparatus for the manufacture of sodium sulphate and hydrochloric acid. 1,681,760; Aug. 21.
- Benjamin, Fred P., Watseka, Ill. Radio receiving system. 1,669,893; May 15.
- Benjamin, Frederick J., Wilmette, Ill. Carton. 1,682,594; Aug. 28.
- Benjamin, John C., Bronxville, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking device. 1,664,017; Mar. 27.
- Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon blanks. 1,659,233; Feb. 14.
- Benjamin, Merrill G., Lakewood, Ohio, assignor, by mesne assignments, to Bailey Meter Company. Boiler-feed regulation. 1,659,552; Feb. 14.
- Benjamin, Oscar A., Bonner Springs, Kans. Shoe-heel-setting device. 1,656,094; Jan. 10.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical receptacle and attachment. 1,660,290; Feb. 21.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Stand-lamp construction. 1,660,317; Feb. 28.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connector device. 1,663,749; Mar. 27.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical fixture-supporting device. 1,669,548; May 15.

- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connector device. 1,669,549; May 15.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical receptacle construction. 1,670,091; May 15.
- Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Housing construction. 1,676,239; July 10.
- Benjamin, Reuben B., Chicago, and C. E. Warner, Berwyn, assignors to Benjamin Electric Mfg. Co., Chicago, Ill. Switch construction. 1,666,925; Apr. 24.
- Benjamin, Victor C., Los Angeles, Calif. Deodorizing and filtering oils. 1,655,175; Jan. 3.
- Benjamin, Walter R., Granite City, Ill. Toy building element. 1,661,687; Mar. 6.
- Benjamin, William C., Unity, Saskatchewan, Canada. Grain loader. 1,663,825; Mar. 27.
- Benjamins, Israel, Brooklyn, N. Y. Writing pen. 1,664,501; Apr. 3.
- Benn, Kit Co., The Mohawk Rubber Company, Akron, Ohio. Sectional air bag. 1,685,900; Oct. 2.
- Benn, Noah, Anderson, Ind. Oil cellar for journal boxes. 1,695,754; Dec. 18.
- Benn, William E., and G. E. Davies, Troy, N. Y., assignors to The United States Train Signal Company, Portland, Me. Train-signal system. 1,656,689; Jan. 17.
- Benner, Harry P. (See Egloff, G. and Benner.)
- Benner, Lloyd E., Minneapolis, Minn. Box. 1,673,176; June 12.
- Benner, Louis A., Anaheim, Calif. Air heater. 1,689,067; Oct. 23.
- Benner, Raymond C., Bayside, and J. H. Fink, Brooklyn, N. Y., assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Preformed positive electrode and making the same. 1,654,778; Jan. 3.
- Benner, Raymond C., Bayside, A. J. Briggs, Syracuse, and J. H. Fink, Brooklyn, assignors, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Making preformed negative electrodes. 1,654,779; Jan. 3.
- Benner, Raymond C., Bayside, N. Y., assignor, by mesne assignments, to Prest-O-Lite Storage Battery Corporation. Separator. 1,677,512; July 17.
- Benner, Stanley J., Hazleton, Pa., assignor to Moore Drop Forging Company, Springfield, Mass. Universal conveyor and chain therefor. 1,672,799; June 5.
- Benner, William, Bridgeport, Conn. Egg stand. Des. 76,177; Aug. 28.
- Benner, Winthrop W., Cuyahoga Falls, and E. A. Hoener, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for the rubberizing of fabric. 1,658,366; Feb. 7.
- Benner, Winthrop W., Cuyahoga Falls, and E. A. Hoener, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for splicing fabric. 1,677,857; July 17.
- Bennet, Jules A. R., Stockholm, Sweden. Vacuum pump. 1,663,734; May 15.
- Bennethum, Roy M., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Windmill. 1,669,319; May 8.
- Bennett, Alexander B. (See Gill, W. L., Mudgett, and Bennett.)
- Bennett, Alexander C., Fairfield, New South Wales, Australia. Treating seeds to augment their cultural value. 1,678,418; July 24.
- Bennett, Alonzo W., New Haven, Conn. Steam turbine. 1,666,068; Apr. 17.
- Bennett, Anna N., Detroit, Mich. Doll. 1,672,242; June 5.
- Bennett, Arthur A. and C. H., Reedsport, Oreg. Fish elevator. 1,680,722; Aug. 14.
- Bennett, Ashley C., Minneapolis, Minn. Air cleaner for carburetors. 1,665,434; Apr. 10.
- Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Carburetor. 1,673,136; June 12.
- Bennett, Ashley C., Minneapolis, Minn. Gravity air cleaner for carburetors. 1,689,104; Oct. 23.
- Bennett, Carlos F., Oceanside, Calif. Automobile radiator ornament. Des. 75,822; July 24.
- Bennett, Casper C., Logansport, Ind. Double-acting valve. 1,671,883; May 29.
- Bennett, Cecil H. (See Bennett, Arthur A. and C. H.)
- Bennett, Charles A., Tallulah, La., dedicated, by assignments, to the Government and the People of the United States of America. Seed-cotton-drying apparatus. 1,695,991; Dec. 18.
- Bennett, Claude C., Seattle, Wash., assignor to A. E. Foragen, Inc., Seattle, Wash. Motor-vehicle wheel gauge. 1,675,481; July 3.
- Bennett, Earl J., Stillville, N. Y., assignor to H. R. Tobey. Warp-knitted fabric and making same. 1,666,638; Apr. 17.
- Bennett, Edwin O., Maywood, Calif., assignor to Emco Steel Products Company. Crown block. 1,673,346; June 12.
- Bennett, Ellwood F., Blanton, Fla. Engine-starting-switch extension attachment. 1,692,883; Nov. 27.
- Bennett, George E., Riverside, assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Label for wound or rolled fabrics. 1,693,363; Nov. 27.
- Bennett, George H., Sedburgh, England. Hermetic closure for cans, boxes, jars, bottles, and the like containers. 1,675,152; June 26.
- Bennett, George L., Cleveland, Ohio. Furring strip. 1,655,406; Jan. 10.
- Bennett, George L., Cleveland, Ohio. Structural column. 1,655,407; Jan. 10.
- Bennett, George L., Cleveland Heights, Ohio. Sheet wall tiling. 1,659,678; Feb. 21.
- Bennett, George L., Cleveland Heights, Ohio. Sheet wall tiling. 1,664,396; Apr. 3.
- Bennett, George L., Cleveland, Ohio. Metallic stairway. 1,676,317; July 10.
- Bennett, Incorporated. (See Clapp, Albert L., assignor.)
- Bennett, Irene E. (See Bennett, Ashley C., assignor.)
- Bennett, James C., assignor of forty per cent to W. H. Fraser, New York, N. Y., five per cent to G. O'Neill, East Orange, and five per cent to A. A. de Bonneville, Bayonne, N. J. Combined propeller and rotor. 1,675,527; July 3.
- Bennett, James G., Arlington, Mass. Outlet-box-cover adjuster. 1,688,518; Oct. 23.
- Bennett, John F., London, England. Calendar. 1,685,692; Sept. 25.
- Benning, John P. (See Bertels, Charles E., assignor.)
- Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Switch. 1,694,578; Dec. 11.
- Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Variable condenser. 1,690,095; Nov. 6.
- Bennett, Morris H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser. 1,695,479; Dec. 18.
- Bennett, Ralph S., Pittsfield, Mass., assignor to General Electric Company. Fuse container. Des. 75,769; July 17.
- Bennett, Ralph S., Pittsfield, Mass., assignor to General Electric Company. Fuse container. Des. 75,823; July 24.
- Bennett, Raymond B., assignor to Montague City Rod Company, Montague City, Mass. Level-winding fishing reel. 1,676,678; July 10.
- Bennett, William A. (See Talley, Gus E., assignor.)
- Bennett, William C., Washington, D. C. Portable writing shelf. 1,662,293; Mar. 13.
- Bennett, Wynn M. (See Cornell, Carl M., assignor.)
- Benniger, John, Philadelphia, Pa. Oil burner. 1,674,631; June 26.
- Bennington, Lemuel, Denver, Colo. Illuminated pointing head. 1,692,612; Nov. 20.
- Bennis, Alfred W., Bolton, England. Chain-grate stoker. 1,660,217; Feb. 21.
- Bennitt, Mark, San Francisco, Calif. Fluid pump. 1,678,052; July 24.
- Beno, Vilma, Astoria, N. Y. Large-pane-window cleaner. 1,661,918; Mar. 6.
- Benoit, Edmond V., Montreal, Quebec, Canada. Cap extractor. 1,665,524; Apr. 10.
- Benoit, Harold W., Watertown, N. Y. Socket and fuse plug. 1,683,598; Sept. 11.
- Benoit, Leon, Chicago, Ill. Apparatus for handling egg cartons. 1,659,076; Feb. 14.
- Benoit, Leon, Chicago, Ill. Machine for assembling cartons. 1,674,942; June 26.
- Benoit, Ovilja J., assignor to Shambow Shuttle Company, Woonsocket, R. I. Shuttle spindle. 1,655,084; Jan. 3.
- Bens, Samuel J., New York, N. Y., assignor to Chain Saw Corporation. Chain saw. 1,655,956; Jan. 10.
- Bens, Samuel J., New York, N. Y. Lost-ball indicator. 1,664,397; Apr. 3.
- Bensa, Felice. (See Pongratz, Alfred, assignor.)
- Bensa, Felice. (See Stieger, Karl, assignor.)
- Bensa, Felice. (See Zinke, A., and Funke, assignors.)
- Bensel, Gustave E., Spreckels, Calif. Herbicide. 1,657,062; Jan. 24.
- Bensien, Wilhelm, Sibstin, Germany. Cultivator. 1,687,422; Oct. 9.
- Bensinger, Wilson, Lodi, Ohio. Concrete fence post. 1,676,679; July 10.
- Bensley, Albert W., Pawtucket, R. I. Pole-supporting device. 1,663,153; Mar. 20.
- Benson, Adolph W. (See Landemann, W. C., and Benson.)
- Benson, Albin. (See Strand, C. F., and Johnson, assignors.)
- Benson, Carl A. (See Forsberg, H. G., and Benson.)
- Benson, Carl E., Laguna Beach, Calif. Combined automobile body, hood, and radiator. Des. 74,346; Feb. 7.
- Benson, Carl E., Laguna Beach, Calif. Combined automobile body, hood, and radiator. Des. 74,347; Feb. 7.
- Benson, Carl E., Laguna Beach, Calif. Combined automobile body, hood, and radiator. Des. 74,348; Feb. 7.
- Benson, Carl V., Lake City, Colo. Spinning toy. Des. 76,768; Nov. 6.
- Benson, Elof, Newton Highlands, and F. M. Durkee, Brookline, Mass. Light-distributing device. 1,687,119; Oct. 9.
- Benson, Ernest J., C. F. Westberg, and C. W. and E. Fernholtz, Los Angeles, Calif. Apparatus for forming plastic building blocks. 1,659,987; Feb. 21.
- Benson, Ernest L., Pueblo, Colo. Thermostatically-operated switch. 1,692,540; Nov. 20.
- Benson, George O. (See Armstrong, J. A., and Benson.)
- Benson, Henry R., Seattle, Wash. Hook. 1,663,265; Mar. 20.
- Benson, Jared C. (See Stevens, H. R., Parker, Shupert, and Benson.)

- Benson, John B., Independence, Kans. Clamp. 1,663,433; Mar. 20.
- Benson, Lester, Willoughby, assignor to The Glenn L. Martin Co., Cleveland, Ohio. Shock absorber. 1,693,571; Nov. 27.
- Benson, Nels J., Geneva, Iowa. Device for cooling gas engines. 1,688,447; Oct. 23.
- Benson, Sherman S., York, Nebr. Rotatable sign. 1,680,658; Aug. 14.
- Benson, Walter F. (See Kristofek, F. J., and Benson.)
- Bent, Quincy, Bethlehem, Pa., E. Barnhart, Sparrows Point, Md., and F. W. Wood, Philadelphia, assignors to Bethlehem Steel Company, Bethlehem, Pa. Treatment of ores. 1,684,006; Sept. 11.
- Bentley, Albert G. (See Friend, E. H., and Bentley.)
- Bentley, Frank F., Warren, assignor to Ohio Galvanizing & Manufacturing Company, Niles, Ohio. Sheet-metal can and manufacturing the same. 1,668,523; May 1.
- Bentley, George H., and E. G. Appleby, deceased, Westminster, London, England; G. E. Appleby and W. W. Hargrove, executors, assignors to said Bentley. Gas producer. 1,679,645; Aug. 7.
- Bentley, John H., Misterton, England. Rotary kiln and furnace. 1,690,048; Oct. 30.
- Bentley, Joseph, assignor of one-half to E. Pierson, Sioux Lookout, New Ontario, Ontario, Canada. Valve-operating means. 1,691,866; Nov. 13.
- Bentley, Marguerite E., Longfield, England. Dustpan and the like. 1,683,517; Sept. 4.
- Bentley, William H., Burnley, assignor of two-thirds to John Riley & Sons Limited, Hapton, England. Manufacture of pure sulphur. 1,680,079; Aug. 7.
- Bentley, William P., Dallas, Tex. Bituminous composition and making same. 1,659,554; Feb. 14.
- Bentley, William P., Dallas, Tex. Treatment of rock asphalt. 1,664,846; Apr. 3.
- Benton, Curran S., Port Huron, Mich. Bean separator. 1,677,015; July 10.
- Benton, Donald L., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Combined trunk rack and bumper. 1,655,832; Jan. 10.
- Benton, Donald L., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Convertible bumper and luggage carrier. 1,668,188; May 1.
- Benton, Donald L., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Rear bumper. 1,674,880; June 26.
- Benton, Dr. John B. (See Hughes, Arthur S., assignor.)
- Benton Harbor Manufacturing Corporation. (See Cayo, Edward L., assignor.)
- Bentrup, Harry R., assignor to Sieber Products Manufacturing Company, St. Louis, Mo. Loose-leaf binder. 1,675,153; June 26.
- Bentson, Emil O., Haxtun, Colo. Riding attachment for drills. 1,672,745; June 5.
- Benway, Howard E., Wichita, Kans. Straightedge. 1,691,459; Nov. 13.
- Benz, Alice R., and F. M. Ashley, Brooklyn, N. Y. Shirt for men's wear. 1,678,629; July 31.
- Benz & Cie. Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft. (See Wagner, Max, assignor.)
- Benz, Ferdinand F., Hamburg, Germany. Rapid freezer. 1,689,578; Oct. 30.
- Benz, Gustav A., Philadelphia, Pa. Snap fastener. 1,678,240; July 24.
- Benz, Gustav A., Philadelphia, Pa. Shoe-fastening device. 1,678,241; July 24.
- Benz, Johannes, Dusseldorf, Germany. Centering device for use in machining crank shafts, eccentrics, or the like. 1,676,175; July 3.
- Benzenberg, Rudolf, New York, N. Y. Pivoted window. 1,663,188; Mar. 20.
- Benzie, James. (See Roose, C., and Benzie.)
- Benzing, Samuel G., Grand Rapids, Minn. Egg-candling device. 1,681,387; Aug. 21.
- Ben Zion, Joseph, New York, N. Y. Pipe coupling. 1,680,080; Aug. 7.
- Benzon, Frederick L., Plainville, Conn. Electrical panel board. 1,687,319; Oct. 9.
- Beougher, Gael L., Orion, Kans. Folding egg case. 1,661,161; Mar. 6.
- Beougher, Lawrence E., Lynwood, Calif. Automobile jack. 1,681,633; Aug. 21.
- Berbig, Henry F., Duluth, Minn. Tent for bedsteads. 1,657,708; Jan. 31.
- Bercaw, John W., Hamilton, assignor to The American Laundry Machinery Company, Norwood, Ohio. Centrifugal machine. 1,682,473; Aug. 28.
- Berchielli, William, Albany, N. Y. Safety-razor cleaner. 1,695,135; Dec. 11.
- Bercieux, Eugene, New York, N. Y. Mouthpiece for musical wind instruments. 1,696,516; Dec. 25.
- Berentsen, Gertrude M., Wauwatosa, Wis. Seat cover for infants' toilets. 1,676,243; July 10.
- Berg, Alfred J., Portsmouth, N. H., assignor of one-third to P. F. Foster, U. S. Navy, and one-third to J. O. Huse, Baltimore, Md. Securing metal fins to tubes. 1,668,534; May 1.
- Berg, Boris J., New York, N. Y. Colling and fire-prevention apparatus for motion-picture projectors. 1,684,304; Sept. 11.
- Berg, Christian P., Chicago, Ill. Hydrating lime. 1,679,149; July 31.
- Berg, Gustaf A., Los Angeles, Calif. Milk-bottle decapper. 1,657,782; Jan. 31.
- Berg, Gustaf A., Los Angeles, Calif. Emptying milk bottles. 1,657,783; Jan. 31.
- Berg, Hans, Grand Rapids, Mich., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Game table. Des. 75,951; Aug. 7.
- Berg, Hans, Grand Rapids, Mich., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Game table. Des. 75,952; Aug. 7.
- Berg, Hart O. (See Michel, Gilbert, assignor.)
- Berg, Hart O., Paris, France, assignor to Bessani Processes, Incorporated, New York, N. Y. Screen-decentering device. 1,680,585; Aug. 14.
- Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electrical device. 1,670,759; May 22.
- Berg, Joseph, Long Island City, N. Y. Container and manufacture. 1,682,030; Aug. 28.
- Berg, Lewis J., Broadhead, Wis. Combination tie plate and rail anchor. 1,680,586; Aug. 14.
- Berg, Ludwig C., Tacoma, Wash. Syringe. 1,692,922; Nov. 27.
- Berg, Olav, Paterson, N. J. Process and apparatus for washing fabrics. 1,683,325; Sept. 4.
- Bergan, Nels, Racine, Wis. Illuminated house number. 1,668,799; May 8.
- Bergdoll, John G., assignor, by mesne assignments, to York Ice Machinery Corporation, York, Pa. Brine circulator. 1,683,949; Sept. 11.
- Berge, Joseph, Montclair, N. J. Cap. 1,673,485; June 12.
- Berge, Joseph, Montclair, N. J. Fastener-head cover. 1,673,486; June 12.
- Berge, Joseph, Dayton, Ohio, assignor to A C Spark Plug Company, Flint, Mich. Reset mechanism. 1,670,835; May 22.
- Berge, Joseph, Dayton, Ohio, assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,670,836; May 22.
- Berge, Louis, assignor to A C Spark Plug Company, Flint, Mich. Worm-shaft mounting. 1,672,195; June 5.
- Berge, Rasmus, assignor to A. Gresvig, Oslo, Norway. Fastening device for adjustable ski ears. 1,691,512; Nov. 13.
- Bergedorfer Eisenwerk Aktiengesellschaft. (See Backlund, Nils O., assignor.)
- Bergeim, Frank H. (See Marshall, J., and Bergeim.)
- Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanonitrate explosive and producing the same. 1,685,771; Oct. 2.
- Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of erythritol tetranitrate. 1,691,954; Nov. 20.
- Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive. 1,691,955; Nov. 20.
- Bergen, George B., sr., Milwaukee, Wis. Stone veneer. 1,664,964; Apr. 3.
- Bergen, Peter H., Goessel, Kans. Pick-up grain guard. 1,678,549; July 24.
- Berger, Betty, New York, N. Y. Electric hot-water heater. 1,688,108; Oct. 16.
- Berger Brothers Company. (See Geiser, George B., assignor.)
- Berger, Christian, New York, N. Y. Current-flow indicator. 1,657,103; Jan. 24.
- Berger, Christian, Brooklyn, N. Y., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Indicating chart and viewing the same. 1,684,212; Sept. 11.
- Berger, David, Philadelphia, Pa. Massage implement. 1,688,226; Oct. 16.
- Berger, Emil J. (See Sternberg, M., and Berger.)
- Berger, Herman L., Jersey City, N. J. Composition. 1,671,007; May 22.
- Berger, Kornel C., New York, N. Y. Lamp-shade-frame holder. 1,695,223; Dec. 11.
- Berger, Isadore, Newark, N. J., assignor to E. H. Chain, New York, N. Y. Wheeled toy. 1,660,783; Feb. 28.
- Berger, Isadore, Newark, N. J., assignor to E. H. Chain, New York, N. Y. Toy body formed of sheet material. 1,685,594; Sept. 25.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Overedge sewing machine. 1,663,488; Mar. 20.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Overedge sewing machine. 1,663,489; Mar. 20.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,663,490; Mar. 20.
- Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing machine. 1,663,491; Mar. 20.
- Berger, Knute, Seattle, Wash. Clutch mechanism. 1,675,086; June 26.
- Berger Manufacturing Company, The. (See Foehrenbach, Arthur F., assignor.)
- Berger Manufacturing Company, The. (See Frahm, C. A., and Schlafly, assignors.)
- Berger Manufacturing Company, The. (See Haldeman, Walter S., assignor.)
- Berger Manufacturing Company, The. (See Schlafly, Julius H., assignor.)

- Berger Manufacturing Company, The. (See Schmitz, Fred A., assignor.)
- Berger Manufacturing Company, The. (See Sturm, J., and Caldwell, assignors.)
- Berger Manufacturing Company, The. (See Vignos, Paul, assignor.)
- Berger, Matthew R., Philadelphia, Pa. Gutter hanger circle. 1,655,530; Jan. 10.
- Berger, Oscar H., Birmingham, Ala., assignor to Wm. P. McDonald Construction Company, Flushing, N. Y. Cold bituminous paving composition and making same. 1,672,361; June 5.
- Berger, Paul H., New York, N. Y. Safety razor. Des. 75,147; May 15.
- Berger, Samuel I., Newark, N. J. Toy aviation device. Des. 75,770; July 17.
- Berger, Samuel I., Newark, N. J. Statuette. Des. 76,769; Nov. 6.
- Berger, Samuel I., Newark, N. J. Statuette. Des. 77,050; Dec. 4.
- Berger, Samuel I., Newark, N. J. Mechanical toy. 1,674,587; June 19.
- Berger, Samuel I., Newark, N. J. Mechanical toy. 1,674,588; June 19.
- Berger, Samuel I., Newark, N. J. Mechanical figure toy. 1,674,943; June 26.
- Berger, Walter. (See Hauschild, M., and Berger.)
- Bergerioux, René, Reuilly, France. Seed and grain distributor. 1,682,735; Sept. 4.
- Bergerioux, René, Issoudun, France. Machine for distributing fertilizer, seeds, and grain. 1,682,825; Sept. 4.
- Bergeron, Ovilla J., Manchester, N. H. Collar button. 1,667,098; Apr. 24.
- Bergesen, John, sr., Brooklyn, N. Y. Portable metal structure. 1,678,971; July 2.
- Bergfalk, Joseph E. and S. A., New York, N. Y. Metal weather strip. 1,689,813; Oct. 30.
- Bergfalk, Sven A. (See Bergfalk, Joseph E. and S. A.)
- Berggren Engineering Corporation. (See Berggren, Gustaf, assignor.)
- Berggren, Gustaf, assignor to Berggren Engineering Corporation, Brooklyn, N. Y. Rotary pump or compressor. 1,696,517; Dec. 25.
- Bergh, Ingvald G., and L. Nelsen, Watertown, S. Dak. Amalgamator attachment. 1,694,678; Dec. 11.
- Berghorn, Olga, Jersey City, N. J. Sticky fly paper. 1,655,128; Jan. 8.
- Bergius, Friedrich, Heidelberg, Germany. Distilling and liquefying coal. 1,669,439; May 15.
- Bergl, Klemens, Berlin, and Walther Dietrich, Berlin-Friedenau, assignors to the firm: Max Gottlieb, Berlin, Germany. The preparation of a liquid for rinsing the mouth and means for applying it. 1,681,320; Aug. 21.
- Berglund, John E., South Acton, Mass. Rug-making machine. 1,693,267; Nov. 27.
- Bergman, Arthur, Brooklyn, assignor to Trusogram Corporation, New York, N. Y. Decorative embroidery. 1,682,474; Aug. 28.
- Bergman, Bernard, New York, N. Y. Dirigible headlight. 1,678,405; July 24.
- Bergman, Johan O., assignor to Rockford Novelty Furniture Company, Rockford, Ill. Console radiocabinet. 1,678,032; July 24.
- Bergman, Johan O., assignor to Rockford Novelty Furniture Company, Rockford, Ill. Loud-speaker horn. 1,682,656; Aug. 28.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Magnetic wedge. 1,684,255; Sept. 11.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Induction motor. 1,695,946; Dec. 18.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Forming induction motors. 1,695,947; Dec. 18.
- Bergman, Victor F. (See Hanson, H. P., and Bergman.)
- Bergmann, Carl, jr., Lynbrook, assignor of one-half to G. R. Thompson, New York, N. Y. Apparatus for drawing metal. 1,683,123; Sept. 4.
- Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Unit-measuring machine. 1,659,802; Feb. 21.
- Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Unit measuring machine. 1,676,377; July 10.
- Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Capping mechanism. 1,680,199; Aug. 7.
- Bergmann, Christian N., Pittsburgh, Pa.; E. Z. Taylor, Newark, N. J.; and C. Taylor, Hartford, Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa. Cover-placing mechanism for unit-measuring machines. 1,676,378; July 10.
- Bergmann, Christian N., Pittsburgh, Pa.; E. Z. Taylor, Newark, N. J.; and C. Taylor, Hartford Conn., assignors to Bergmann Packaging Machine Company, Pittsburgh, Pa. Cup-depositing mechanism for unit-measuring machines. 1,690,920; Nov. 6.
- Bergmann, Conrad, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Drawer mount. 1,676,991; July 10.
- Bergmann, Conrad, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Cabinet. 1,680,081; Aug. 7.
- Bergmann-Elektricitäts-Werke Aktiengesellschaft. (See Kachler, Paul, assignor.)
- Bergmann-Elektricitäts-Werke Aktiengesellschaft. (See Nullau, Alexander, assignor.)
- Bergmann, Georg, Berlin-Wilmersdorf, Germany. Packing. 1,668,755; May 8.
- Bergmann, George, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Drawer mount. 1,676,992; July 10.
- Bergmann, Hermann, Detroit, Mich. Aeroplane safety device. 1,692,108; Nov. 20.
- Bergmann, Jean. (See Thomas, Lucie, assignor.)
- Bergmann, Leo O. (See Walker, L. P., and Bergmann.)
- Bergmann, Leo O., Coloma, Mich. Folding rocking-chair. 1,673,387; June 12.
- Bergmann Packaging Machine Company. (See Bergmann, Christian N., assignor.)
- Bergmann Packaging Machine Company. (See Bergmann, C. N., and Taylor, assignors.)
- Bergmann Packaging Machine Company. (See Bergmann, C. N., E. Z. and C. Taylor, assignors.)
- Bergmans, Jan, and T. J. A. Manders, Eindhoven, Netherlands, assignors to General Electric Company. Gas-filled electric incandescent lamp. 1,688,777; Oct. 23.
- Bergmoser, George O. (See Kilgus, C. A., Burton, and Bergmoser.)
- Bergner, John C., Lansdowne, assignor of one-half to F. E. Morris, Philadelphia, Pa. Cooking apparatus. 1,665,017; Apr. 3.
- Bergner, Otto, Schonwald, Germany. Pitcher. Des. 76,597; Oct. 16.
- Bergquist, Charles H., assignor of one-half to E. A. Locke, Okmulgee, Okla. Anvil for bit-dressing hammers. 1,667,236; Apr. 24.
- Bergquist, Edward, New York, N. Y. Fountain pen. 1,693,171; Nov. 27.
- Bergquist Oscar F., Forsyth, Mich. Footplate attachment for spades or the like. 1,658,963; Feb. 14.
- Bergstan Patents Corporation. (See Stanley, Robert W., assignor.)
- Bergsten, John, Redondo Beach, assignor of one-half to N. W. Hendershot, Lomita, Calif. Combined casing-head packer and blow-out preventer. 1,695,992; Dec. 18.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper-box-making machine and the like. 1,659,718; Feb. 21.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making and sealing paper boxes and the like. 1,660,185; Feb. 21.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making paper boxes and the like. 1,681,212; Aug. 21.
- Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making and sealing boxes and the like. 1,693,172; Nov. 27.
- Bergstrom, Alfred, Vancouver, British Columbia, Canada. Cable cutter. 1,663,189; Mar. 20.
- Bergstrom, Carl P., and V. A. Foisy, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Cloth-roll support. 1,691,145; Nov. 13.
- Bergstrom, Eleanor, New York, N. Y. Toilet article. 1,669,735; May 15.
- Bergstrom, Gunde, Los Angeles, Calif. Tabouret. Des. 76,980; Nov. 27.
- Bergstrom, Gustave A., Ridgewood, N. J. Abrasive-covered material and the like. 1,657,784; Jan. 31.
- Bergström, Karl, Berthierville, Quebec, Canada. Match-box-filling machine. 1,661,783; Mar. 6.
- Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Convertible body. 1,665,294; Apr. 10.
- Beringer, Roscoe, assignor to General Motors Corporation, Detroit, Mich. Cowl ventilator. 1,694,764; Dec. 11.
- Berke, Raymond O., Albuquerque, N. Mex. Display stand. 1,684,340; Sept. 11.
- Berkins, Clarence A., Minneapolis, Minn. Oil burner; 1,688,375; Oct. 23.
- Berkland, Thomas H., Chicago, Ill. Radio receiving circuit. 1,679,597; Aug. 7.
- Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company, Pump for automobile oiling systems. 1,674,614; June 19.
- Berkovich, Solomon B., Baltimore, Md. Testing device for electric wiring systems. 1,656,768; Jan. 17.
- Berkshire Magneto Co. (See Brown, Avery E., assignor.)
- Berl, Ernst, Darmstadt, Germany. Manufacture of threads, films, and the like from cellulose derivatives. 1,679,850; Aug. 7.
- Berland, Jacob B., St. Louis, Mo. Store front. Des. 76,598; Oct. 16.
- Berland, Jacob B., St. Louis, Mo. Store front. Des. 76,910; Nov. 20.
- Berle, Helge A., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Control mechanism for concrete-mixing apparatus. 1,691,031; Nov. 13.
- Berlin Glove Co. (See Jensen, Peter S. B., assignor.)
- Berlin Tanning and Manufacturing Company. (See Boettge, Charles C., assignor.)
- Berliner, Jacob S. (See Mackenzie, Katherine M., assignor.)
- Berliner, Jacob S., New York, N. Y. Toilet preparation. 1,687,613; Oct. 16.
- Berliner, Robert, B. Stein, and W. Trautner, Elberfeld, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Var dyestuff derived from 2-halogen-1,9-pyrazolanthrone. 1,695,631; Dec. 18.

- Berlinerblau, Joseph, Warsaw, Poland. Spindle-driving arrangement for spinning machines. 1,658,701; Feb. 7.
- Berlinghof, George A., Lincoln, Nebr. Combined parting and weather strip. 1,657,104; Jan. 24.
- Berlowitz, Max E., Belleville, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauge. 1,660,986; Feb. 28.
- Berlowitz, Max E., Belleville, N. J., assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Method of and apparatus for testing magnetizable objects. 1,686,676; Oct. 9.
- Berlowitz, Max E., Belleville, N. J., assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Testing coil. 1,695,679; Dec. 18.
- Berman, Harry L., Roxbury, Mass. Fountain-pen filter attachment. 1,670,017; May 15.
- Berman, Louis, New York, N. Y. Parathyroid product. 1,680,660; Aug. 14.
- Bermingham and Prosser Co. (See Prosser, Henry G., assignor.)
- Bernard, Arthur F. (See D'Alo, John, assignor.)
- Bernard, George. (See Hailey, George H., assignor.)
- Bernard, Harold B., assignor to Sinclair Oil and Gas Company, Tulsa, Okla. Treatment of natural-gas gasoline, casing-head gasoline, natural gasoline, and the like. 1,658,322; Feb. 7.
- Bernard, James L., Beaver, Pa. Electric furnace. 1,658,071; Feb. 7.
- Bernard, James L., Beaver, Pa. Electric furnace. 1,658,072; Feb. 7.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. 1,675,838; July 3.
- Bernasconi, Charles, and R. M. Berthier, Chamber, Savoy, France. Electromechanical lamp. 1,678,496; July 24.
- Bernau, Frederick W., Hillside, N. J., assignor to Ellis Adding Typewriter Company, Newark, N. J. Automatic carriage-return mechanism. 1,670,018; May 15.
- Bernaudin, Henri, Cosne-sur-Loire, France. Hand-operated diestock. 1,681,655; Aug. 21.
- Berndt, Arthur A., assignor to Kury Bros. Co., Chicago, Ill. Crate. 1,656,161; Jan. 17.
- Berner, Fred, East Rutherford, N. J. Binder. 1,685,901; Oct. 2.
- Berner, Gotthold P. (See Pinkel, A. F., and Brunner, assignors.)
- Berner, George, Milwaukee, Wis. Material discharge and conveying means for motor vehicles. 1,670,133; May 15.
- Bernhard, August, Tamms, Ill. Windshield screen for automobiles. 1,668,350; May 1.
- Bernhard, Lucian, New York, N. Y. Table. Des. 74,473; Feb. 21.
- Bernhard, Richard, assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Thrust roller. 1,666,436; Apr. 17.
- Bernhard, Robert A., Rochester, N. Y. Dispensing receptacle. 1,667,802; Apr. 24.
- Bernhard, Rudolf, Bochum, and W. Demann, Cologne, Germany. Hydrogenizing tar oil. 1,691,221; Nov. 13.
- Bernhardt, M. E., Company. (See Raeburn, William, assignor.)
- Bernhardt, Max E. (See Schreer, Karl, assignor.)
- Bernhardt, Roy P., and V. D. Black, jr., Livermore, Calif. Axle gauge. 1,678,761; July 31.
- Bernheimer, Alfred G., New York, N. Y. Watchcase. Des. 77,287; Dec. 25.
- Bernhoeft, Karl, Oberschoneweide, Germany, assignor to General Electric Company. Metal composition. 1,658,702; Feb. 7.
- Bernhoeft, Karl, Oberschoneweide, Germany, assignor to General Electric Company. Metal composition. 1,658,757; Feb. 7.
- Bernier, Ernest. (See Charette, J. B., and Bernier.)
- Bernier, Henri, Levallois-Perret, France. Tip wagon. 1,676,127; July 3.
- Bernier, Henry, Easthampton, Mass. Press. 1,688,227; Oct. 16.
- Bernini, John, Allentown, Pa. Warp-let-off mechanism for looms. 1,695,361; Dec. 18.
- Bernitz Furnace Appliance Company. (See Nygaard, Oscar, assignor.)
- Bernitz Furnace Appliance Company. (See Nygaard, O., and Snow, assignors.)
- Berns, Max A., Chicago, Ill. Booklet. 1,695,315; Dec. 18.
- Bernstein, Bernard. (See Sheft, Casimir, assignor.)
- Bernstein, Jacob, Philadelphia, Pa. Inverted-edge hat carrier. 1,665,839; Apr. 10.
- Bernström, Johan M. (See Lundberg, O., and Bernström.)
- Bernz, Otto, Newark, N. J. Plumber's furnace. 1,678,316; July 24.
- Berquist, Hugo, Swissvale, assignor to W. S. Elliott, Pittsburgh, Pa. Liquid-treating apparatus. 1,662,630; Mar. 13.
- Berry, Alfred M., Bellrose, assignor to Intertype Corporation, New York, N. Y. Elevator for typographical machines. 1,689,991; Oct. 30.
- Berry, Bert C., Calgary, Alberta, Canada, and H. S. Dickinson, Moline, Ill. assignors to Peerless Shock Loader Company, Wilmington, Del. Shock loader. 1,695,572; Dec. 18.
- Berry, Clarence H., Islip, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,658,829; Feb. 14.
- Berry, Earl E. (See Aldrich, A., and Berry.)
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Suction roll for paper-making machines. Re16,848; Jan. 10.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Chain drive for driers. 1,663,237; Mar. 20.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Drier construction. 1,664,656; Apr. 3.
- Berry, Earl E., Beloit, Wis., assignor to Beloit Iron Works, Removable-type Fourdrinier paper-making machine. 1,678,176; July 24.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Suction roll. 1,679,598; Aug. 7.
- Berry, Earl E., Beloit, Wis., assignor to Beloit Iron Works. Self oiling and aligning bearing. 1,681,388; Aug. 21.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Vacuum pipe connection for cylinder machines. 1,684,615; Sept. 18.
- Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Paper-unwinding stand with water-cooled drum. 1,685,117; Sept. 25.
- Berry, Earl E., Beloit, assignor to Beloit Iron Works, Beloit, Wis. Suction roll for paper-making machines. 1,694,698; Dec. 11.
- Berry, Edward R., Malden, Mass., assignor to General Electric Company. Quartz applicator. 1,677,016; July 10.
- Berry, Edward R., Malden, Mass., assignor to General Electric Company. Metal tubing. 1,694,962; Dec. 11.
- Berry, Frank, Anita, Pa. Holder. 1,663,866; Mar. 20.
- Berry, Frank D. (See Funk, Nelson E., assignor.)
- Berry, Frank D., New York, N. Y. Egg carton. 1,669,226; May 8.
- Berry, Fred F., Los Angeles, Calif. Metallic-value recoverer. 1,688,109; Oct. 16.
- Berry, George G. (See Volckening, Charles K., assignor.)
- Berry, George H., Shelton, assignor to International Silver Company, Meriden, Conn. Cigarette holder or similar article. Des. 75,471; June 12.
- Berry, George W., deceased, Kane, Pa., by The U. S. Hoist & Body Company, assignee, Youngstown, Ohio. Tilting mechanism for dumping bodies. Re17,130; Nov. 13.
- Berry, George W., Leeds, assignor of one-half to C. J. Rhodes, Wakefield, England. Press for drawing sheet metal. 1,685,308; Sept. 25.
- Berry, Hubert, Ottery St. Mary, England. Carving fork. 1,688,778; Oct. 23.
- Berry, Harold K., Brooklyn, N. Y. Gas making. 1,672,652; June 5.
- Berry, Henry J., assignor of one-third to C. W. Floss, Detroit, Mich. Motor mounting. 1,680,967; Aug. 14.
- Berry, Henry J., assignor of one-third to C. W. Floss, Detroit, Mich. Compressor piston. 1,682,736; Sept. 4.
- Berry, John C., Berkeley, Calif., and D. S. Fleming, Seattle, Wash. Rim-removing device. 1,673,388; June 12.
- Berry, Percy W., Reading, England, assignor, by mesne assignments, to Holophone Company, Inc., New York, N. Y. Luminair. 1,683,599; Sept. 11.
- Berry, Thomas D., Markdale, Ontario, Canada. Device for locating defective insulators in electric power lines. 1,679,397; Aug. 7.
- Berry, Walter S. (See Gallant, Robert M., assignor.)
- Berry, William, assignor to Joseph Bancroft & Sons Co., Rockford, Wilmington, Del. Fabric-cutting apparatus. 1,659,453; Feb. 14.
- Berry, William G., J. Klein, and C. Schmidt, Cleveland, Ohio. Combination light. 1,682,164; Aug. 28.
- Berryman, Thomas J., Armagh, Northern Ireland. Selecting mechanism for type-printing telegraphy and other purposes. 1,690,324; Nov. 6.
- Berryman, William J. (See Mack, G. K., and Berryman.)
- Berssenbrugge, William, et al. (See Miller, Adolph N., assignor.)
- Berssenbrugge, William H., Milwaukee, Wis. Ash tray. 1,678,375; July 24.
- Bersted, Alfred and M., Chicago, Ill. Electric corn popper. Des. 76,911; Nov. 20.
- Bersted, Alfred and M., Chicago, Ill. Electric heater for percolators and the like. 1,693,364; Nov. 27.
- Bersted, Martin. (See Bersted, Alfred and M.)
- Bersted, Martin C., San Diego, Calif. Weed-pulling device. 1,654,780; Jan. 3.
- Berta, Emil, Joliet, Ill. Wrench. 1,673,221; June 12.
- Bertele, Ludwig, Dresden, Germany. Cinematographic projection apparatus with optical compensation. 1,687,193; Oct. 9.
- Bertels, Arnold S., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Monitoring supervision on party lines in automatically-operated telephone exchanges. 1,673,036; June 12.
- Bertels, Charles E., Long Beach, Calif., assignor of one-half to J. P. Benning, Trucksville, Pa. File. 1,690,812; Nov. 6.
- Berthel, Charles J., assignor to Hackney Brothers, Inc., Wilson, N. C. Cooling tank for refrigerators. 1,683,518; Sept. 4.
- Berthier, René M. (See Bernasconi, C., and Berthier.)
- Berthold, Hermann, Leverkusen-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Manufacture of aminoanthraquinones. 1,691,428; Nov. 13.
- Berthold, Kenneth F., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Fastener. 1,669,279; May 8.

- Berthold, Rudolf G. (See Rüdénberg, R., Berthold, and Donat.)
- Berthold, Rudolf G., Berlin-Siemensstadt, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Switching system. 1,690,524; Nov. 6.
- Berton, Arthur, Limited. (See Berton, Herbert, assignor.)
- Berton, Herbert, assignor of one-half to Arthur Berton Limited, London, England. Combined bag and cushion. 1,677,743; July 17.
- Bertone, Maggiorino G., New York, N. Y. Washer-setting machine. 1,664,846; Mar. 27.
- Bertram, Bellon, assignor of one-half to W. E. Huntley, Sault Ste. Marie, Mich. Folding boat and trailer therefor. 1,691,633; Nov. 13.
- Bertrand, Alexandre. (See Guillet, A. V. J., and Bertrand.)
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 1,661,319; Mar. 6.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in making shoes. 1,664,657; Apr. 3.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 1,674,678; June 26.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Positioning device. 1,681,970; Aug. 28.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,681,971; Aug. 28.
- Bertrand, Jean, Versailles, France. Resilient suspension device for vehicles. 1,671,506; May 29.
- Bertrand, Jean J. M., and L. J. H. Solanet, Paris, France. Internal-combustion engine with cylinders arranged in two opposite lines. 1,673,484; June 12.
- Bertsch, Johann A. (See Jaeger, A. O., and Bertsch.)
- Bertschinger, Charles F., Jamaica, N. Y., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Tank-sealing means. 1,661,404; Mar. 6.
- Beshers, Paul, El Paso, Ill. Wall board. 1,657,193; Jan. 24.
- Beskow, Bernhard M., New Haven, Conn. Golf register. 1,678,762; July 31.
- Besler, William J., Plainfield, N. J. Brake mechanism for motor vehicles. 1,673,177; June 12.
- Besly, Charles H., and Company. (See Miller, John, Jr., assignor.)
- Besse, Carl H., et al. (See Bowers, Arlan L., assignor.)
- Besse, Carl H., assignor to National Turnbuckle Derrick Company, Tulsa, Okla. Well-drilling rig. 1,670,231; May 15.
- Besse, David J., San Angelo, Tex. Air cooler. 1,677,070; July 10.
- Bessee, Frank E., Los Angeles, Calif., assignor, by mesne assignments, to McDonald Securities Company, Ltd. Advertising device. 1,673,137; June 12.
- Bessemmer Gas Engine Company, The. (See Treiber, Otis D., assignor.)
- Bessler, Vetal, Brooklyn, N. Y. Upright piano. 1,679,290; July 31.
- Bessman, Frank A., Hubbard, and E. Warmbier, Alden, Iowa. Hinged-drag drawbar. 1,663,108; Mar. 20.
- Bessonett, Leland S., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Fitting for drainage of lubricants from lubricant-containing cases. 1,687,823; Oct. 16.
- Best, Clarence L., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tracklaying tractor. 1,656,899; Jan. 24.
- Best, Clarence L., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Tractor hoist. 1,673,307; June 12.
- Best, Clarence L., assignor to Caterpillar Tractor Co., San Leandro, Calif. Track-laying tractor. 1,674,817; June 26.
- Best, Clarence L., Elmhurst, assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Traction engine. 1,661,649; Mar. 6.
- Best, Cyril. (See Molins, W. B., and Best.)
- Best, Ed., Appleton, and L. R. Vines, Loretto, Tenn., assignors of one-third to J. N. Guthrey, of Tennessee. Cultivator. 1,690,525; Nov. 6.
- Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Lock. 1,656,854; Jan. 17.
- Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Key. 1,679,558; Aug. 7.
- Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Lock-filling machine. 1,679,759; Aug. 7.
- Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Lock combinator. 1,679,760; Aug. 7.
- Best, Frank E., Inc. (See Best, Frank E., assignor.)
- Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Automatic transmission-measuring set. 1,663,750; Mar. 27.
- Best, George S., San Diego, Calif. Door signal. Des. 74,593; Mar. 6.
- Best, H. A., Lamp Company. (See Best, Harry A., assignor.)
- Best, H. A., Lamp Company. (See La Tessa, Tully, assignor.)
- Best, Harry A., assignor to H. A. Best Lamp Company, Chicago, Ill. Pinial. 1,676,422; July 10.
- Best, R. F. (See Mallory, Louis V., assignor.)
- Best, Walter J. (See Lidseen, G., and Best.)
- Besta, Adalbert, Duisberg, Germany. Heat-treating furnace. 1,695,224; Dec. 11.
- Bestehorn, Rudolf. (See Haeusser, F., and Bestehorn.)
- Beswick, William, Saco, Me., assignor to Saco-Lowell Shops, Boston, Mass. Spindle and bobbin. 1,656,553; Jan. 17.
- Bethel, Claude, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotary oiler. 1,684,341; Sept. 11.
- Bethel, Claude, Wilkinsburg, and F. W. McCloskey, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Rotary oiler and ventilation. 1,684,168; Sept. 11.
- Bethel-Player Co. (See Summers, Kenneth E., assignor.)
- Bethenod, Joseph, Paris, France. Radio receiving system. 1,673,796; June 19.
- Bethenod, Joseph, Paris, France. System for the electric transmission of signals along lines for power distribution. 1,676,680; July 10.
- Bethenod, Joseph, Paris, France. Speed regulator. 1,694,637; Dec. 11.
- Bethenod, Joseph, Paris, France, assignor to Motor Industries, Inc., Chicago, Ill. Decutching. 1,685,596; Sept. 25.
- Bethke, John P., assignor to Magnetic Separator Company, Milwaukee, Wis. Magnetic pulley for pan conveyers. 1,692,613; Nov. 20.
- Bethlehem Foundry & Machine Company. (See Needham, Charles E., assignor.)
- Bethlehem Shipbuilding Corporation. (See Faickney, Robert, assignor.)
- Bethlehem Shipbuilding Corporation, Ltd. (See Scott, George N., assignor.)
- Bethlehem Steel Company. (See Appleby, William H., assignor.)
- Bethlehem Steel Company. (See Bent, Q., Barnhart and Wood, assignors.)
- Bethlehem Steel Company. (See Blakeley, George H., assignor.)
- Bethlehem Steel Company. (See Cort, Stewart J., assignor.)
- Bethlehem Steel Company. (See Cort, S. J., Burns, Dougherty, and Lehr, assignors.)
- Bethlehem Steel Company. (See Daniels, F. C. T., and McCausland, assignors.)
- Bethlehem Steel Company. (See Dillon, J. H., and Fairweather, assignors.)
- Bethlehem Steel Company. (See Froelich, Clarence H., assignor.)
- Bethlehem Steel Company. (See Keller, Albert T., assignor.)
- Bethlehem Steel Company. (See Kinney, James A., assignor.)
- Bethlehem Steel Company. (See Lehr, Charles E., assignor.)
- Bethlehem Steel Company. (See Lukens, W. L., and Carey, assignors.)
- Bethlehem Steel Company. (See Lukens, W. L., and Greenwell, assignors.)
- Bethlehem Steel Company. (See Madden, James P., assignor.)
- Bethlehem Steel Company. (See Madden, J. P., and Wilder, assignors.)
- Bethlehem Steel Company. (See McCarty, Richard J., Jr., assignor.)
- Bethlehem Steel Company. (See Schenck, C., and Fine, assignors.)
- Bethlehem Steel Company. (See Shimer, W. R., and Christ, assignors.)
- Bethlehem Steel Company. (See Stevens, Richard H., assignor.)
- Bethlehem Steel Company. (See Van Essen, Pieter D., assignor.)
- Bethlehem Steel Company. (See West, Arthur J., assignor.)
- Betke, Herman, Denver, Colo. Steam board. 1,659,454; Feb. 14.
- Bettandorff, George, et al. (See Baker, Daniel W., assignor.)
- Bettcher Stamping & Manufacturing Company, The. (See Bump, Edward D., assignor.)
- Better Table Service, Inc. (See James, Samuel W., assignor.)
- Betterley, Roland O., assignor to Hermance Machine Company, Williamsport, Pa. Cutter head for woodworking machines. 1,664,806; Apr. 3.
- Bettinard, Robert, Newark, N. J. Tire lock. 1,662,294; Mar. 13.
- Bettini, Gianni, New York, N. Y. Spinning device and method. 1,669,442; May 15.
- Bettini, Gianni, New York, N. Y. Portable sparking lighter. 1,674,314; June 19.
- Bettison, David C., Omaha, Nebr. Relay. 1,679,761; Aug. 7.
- Bettison, Percy R., assignor to Tanners' Products Company, Chicago, Ill. Making felt products. 1,690,854; Nov. 6.
- Bettoli, Rudolph W., assignor of one-third to H. M. Peattie, San Rafael, and one-third to J. E. Trabucco, San Francisco, Calif. Nursing bottle. Des. 74,251; Jan. 17.

- Bettoli, Rudolph W., assignor of one-third to H. M. Peattie, San Rafael, and one-third to J. E. Trabuco, San Francisco, Calif. Nursing bottle. Des. 74,653; Mar. 13.
- Betts, Arthur L., Cincinnati, Ohio., assignor to A. Davis, Jr., Covington, Ky. Tank valve mechanism. 1,654,630; Jan. 3.
- Betts, Arthur L., assignor to A. Davis, Jr., Cincinnati, Ohio. Tank-valve-control system. 1,658,073; Feb. 7.
- Betts, Arthur L., Cincinnati, Ohio, assignor to A. Davis, Jr., Covington, Ky. Static eliminator. 1,683,592; Sept. 11.
- Betts, Benjamin B., St. Louis, Mo. Rail anchor. 1,666,114; Apr. 17.
- Betts, Darrow L., Jerome, Ariz. Arrowhead. 1,669,118; May 8.
- Betts, Isaac S., assignor to Household Guide Corporation, New York, N. Y. Cover for publications. Des. 76,847; Nov. 13.
- Betts, John C., Philadelphia, Pa. Necktie retainer. 1,682,952; Sept. 4.
- Betts, Louis J., Warren, Pa. Traffic sign. 1,668,486; May 1.
- Bettischer Stamping & Manufacturing Company. (See Bump, Spencer M., assignor.)
- Betz, Charles F., St. Louis, Mo., assignor to American Cone & Pretzel Company, Philadelphia, Pa. Ice-cream cone. Des. 74,961; Apr. 24.
- Betz, Charles F., St. Louis, Mo. Bakery machinery. 1,686,596; Oct. 9.
- Betz, Charles, St. Louis, Mo. Material-fastening device. 1,691,179; Nov. 13.
- Betz, Frank S., Company. (See Cedergren, Fred, assignor.)
- Betz, William G., assignor to Straube Piano Co., Hammond, Ind. Grand piano. 1,686,726; Oct. 9.
- Betzold, Nicholas W., Brainerd, Minn. Furnace hood. 1,679,150; July 31.
- Beuc, Jacob, St. Louis, Mo. Brace rod for casement windows. 1,691,332; Nov. 13.
- Beuchat, Justin A., Fayetteville, assignor of one-half to E. E. Roberts, Jr., Syracuse, N. Y. Water regulator for steam and hot-water boilers. 1,657,709; Jan. 31.
- Beuford, George, assignor of one-half to W. E. Cook, Page-ton, W. Va. Harness. 1,693,743; Dec. 4.
- Beusch, Willi, assignor to the firm Landis & Gyr A.-G., Zug, Switzerland. Electricity meter. 1,682,547; Aug. 28.
- Beusch, Willi, assignor to the firm Landis & Gyr A.-G., Zug, Switzerland. Electricity meter. 1,689,992; Oct. 30.
- Beutner, Reinhard, Louisville, Ky., assignor to Aug. Nowack Aktiengesellschaft, Bautzen, Germany. Resin and preparing the same. 1,658,281; Feb. 7.
- Bevans, Frederick G., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. 1,682,108; Aug. 28.
- Beveridge, Ernest G., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Counting mechanism. 1,676,939; July 10.
- Beveridge, Frank S., and L. V. Lucia, assignors to The Fuller Brush Company, Hartford, Conn. Cleaning tool. 1,655,085; Jan. 3.
- Beverley, George F., Canton, Ohio. Mop wringer. 1,669,155; May 8.
- Bevier, Hutchinson L., deceased, Duluth, Minn.; The First National Bank of Duluth, executor. Heater. 1,680,005; Aug. 7.
- Bevier, Philip H., Brooklyn, N. Y. Building construction. 1,679,599; Aug. 7.
- Bevier, Philip H., Brooklyn, N. Y., assignor to National Fire Proofing Company, Pittsburgh, Pa. Building tile. 1,654,631; Jan. 3.
- Bewley, Claude G., Spokane, Wash., assignor of one-half to R. F. Wilcox & Co., Montebello, Calif., and one-half to Spokane Concrete Flower Pot Machine Company, Inc., Spokane, Wash. Plant-potting machine. 1,664,913; Apr. 3.
- Beyer, Arthur J. A., assignor to J. H. Bell, Philadelphia, Pa. Manufacturing knitting needles. 1,681,512; Aug. 21.
- Beyer, Bertrand E., assignor to American Bevel Glass Company, Paterson, N. J. Glass-beveling machine. 1,688,068; Oct. 16.
- Beyer, Otto S., assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y. Thin-walled metal radiator. 1,655,531; Jan. 10.
- Beyer, Otto S., assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y. Automatic punching press. 1,670,648; May 22.
- Beyer, Paul A., Detroit, Mich. Window. 1,669,320; May 8.
- Beyl, Emil A., Minneapolis, Minn. Friction clutch. 1,666,956; Apr. 24.
- Beynon, Rees. (See Dryden, G. B., and Beynon.)
- Bezenberger, Fred K., Cleveland Heights, Ohio, assignor to The Fulton Sylphon Company, Knoxville, Tenn. Method and apparatus for making bellows. 1,655,778; Jan. 10.
- Bezenberger, Fred K., Cleveland Heights, Ohio, assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Flexible metal wall and making same. 1,667,303; Apr. 24.
- Bezenberger, Fred K., Cleveland Heights, Ohio, assignors, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Closed metallic corrugated wall and making same. 1,695,948; Dec. 18.
- Bhosys, Charles W., New York, N. Y. Photographic lighting apparatus. 1,672,597; June 5.
- Bialosky, Samuel J. (See Corey, William R. assignor.)
- Bianchi, Vincent, Lynn, Mass. Leather-finishing machinery. 1,668,997; May 8.
- Blax Flexible Shaft Co. (See Schmid, R., and Wezel, assignors.)
- Rible, P. M., et al. (See Jones, Hugh J., assignor.)
- Bice, Walter H. and W. E., Detroit, Mich. Hydraulic transmission control. 1,673,487; June 12.
- Bice, William E. (See Bice, Walter H. and W. E.)
- Bicek, Frank J., Le Sueur Center, Minn. Sickie-bar section. 1,684,616; Sept. 18.
- Bicheroux, Max, Herzogenrath, Germany, assignor to Maatschappij tot Beheer en Exploitatie van Octroolen, Amsterdam, Netherlands. Process and apparatus for the manufacture of plate glass. 1,673,098; June 12.
- Bicheroux, Max, Aix-la-Chapelle, Germany, assignor to Maatschappij tot Beheer en Exploitatie van Octroolen, Amsterdam, Netherlands. Apparatus for making high-grade plate glass. 1,673,138; June 12.
- Bicheroux, Max, Aix-la-Chapelle, Germany, assignor to Maatschappij tot Beheer en Exploitatie van Octroolen, Amsterdam, Netherlands. Manufacture of raw plate glass. 1,673,347; June 12.
- Bickford, Charles A., Riverside, Ill. Golf apparatus and target. 1,656,718; Jan. 17.
- Bickford, Clarence R., Northwood Narrows, N. H. Chimney cleaner. 1,683,379; Sept. 4.
- Bickford, Clarence W., et al. (See Wurga, Kalman, assignor.)
- Bickford, Frederick E., Rochester, N. Y. Container for food products. 1,684,938; Sept. 18.
- Bickford, Mary, et al. (See Wurga, Kalman, assignor.)
- Bicknell, Rupert C., Toronto, Ontario, Canada. Spring suspension for automobile chassis frames. 1,677,948; July 24.
- Bicks, Jean W., Evanston, Ill., assignor to Spenced Perfume Company, South Bend, Ind. Bottle or similar container. Des. 76,116; Aug. 21.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Antiseptic, antifouling, germicidal waterproof coatings. 1,689,008; Oct. 23.
- Biddle, Arthur, Trenton, N. J., assignor to United Products Corporation of America. Composition of gum chicle, rubber, and an aqueous colloid. 1,691,460; Nov. 13.
- Biddle, John M., assignor to Union Special Machine Company, Chicago, Ill. Looper support for sewing machines. 1,681,458; Aug. 21.
- Biddle & Smart Company. (See Houle, Francis T., assignor.)
- Biddle, William C., et al. (See Corbin, Elbert A., jr., assignor.)
- Bidoire, Maxime A. L., Paris, France. System of propulsion for ships. 1,688,376; Oct. 23.
- Bidwell, George L., Riegelsville, Pa., assignor to The Warren Manufacturing Company, Riegelsville, N. J. Method of and apparatus for making multiply paper. 1,682,826; Sept. 4.
- Bieberstein, Frank A., Milwaukee, Wis. Vest. 1,667,526; Apr. 24.
- Bieberstein, Frank A., Milwaukee, Wis. Vest. 1,677,913; July 24.
- Biederman, William, Sesekinika, Ontario, Canada. Projecting spring trap for trapping fur-bearing animals. 1,666,728; Apr. 17.
- Biedermann, Paul R. G., Los Angeles, Calif. Electric heater. 1,693,133; Nov. 27.
- Biegler, Louis T., Aberdeen, S. Dak. Automobile lifter. 1,683,020; Sept. 4.
- Biehler Joseph G., et al. (See Pulver, Henry H., assignor.)
- Biek, William G., and G. D. Rice, Dowagiac, Mich. Electric fixture. 1,666,729; Apr. 17.
- Bieler, William W., Hays, Kans. Power hammer. 1,685,447; Sept. 25.
- Bien, Albert H., Philadelphia, Pa. Textile fabric. Des. 74,776; Mar. 27.
- Bien, Albert H., Philadelphia, Pa. Textile fabric or similar article of manufacture. Des. 76,912; Nov. 20.
- Bien, Louis H., Palo Alto, Calif. Processing and dehydrating apparatus. 1,664,018; Mar. 27.
- Bienstock, Anna E., Newark, N. J. Attachment for cooking utensils. 1,693,974; Dec. 4.
- Bienvenu, Frank A., assignor, by mesne assignments, to Catelli Macaroni Products Corporation Limited, Montreal, Quebec, Canada. Workstand. 1,691,634; Nov. 13.
- Bier, Emanuel R., Winnipeg, Manitoba, Canada. Tool handle. 1,663,826; Mar. 27.
- Bier, Lizzie M., assignor to C. F. Hickok Co., Sidney, Ohio. Candy container. 1,664,282; Mar. 27.
- Bierbaum, Christopher H., assignor to Lumen Bearing Company, Buffalo, N. Y. Bearing alloy. 1,687,924; Oct. 16.
- Bierbower, Richard C., San Antonio, Tex. Automatic magnetic switch. 1,696,107; Dec. 18.
- Bierbrauer, Otto A. (See Helland, N. E., Harrison, and Bierbrauer.)
- Bierce, Harold E., Pasadena, Calif. Decolorizing vegetable oils. 1,696,338; Dec. 25.
- Bierman, Frank H., Minneapolis, Minn. Clutch and clutch-actuating mechanism. 1,662,598; Mar. 13.
- Bierman, George H. (See Kinney, L. W., and Bierman.)
- Biermanns, Josef, Karlshorst, near Berlin, Germany, assignor to General Electric Company. Corona-preventing apparatus. 1,683,152; Sept. 4.

- Biers, Chris T., Lamoille, Ill. Rim for vehicle wheels. 1,676,725; July 10.
- Biersach, Hugo, assignor to Evinrude Motor Company, Milwaukee, Wis. Magazine for the storage of spare parts. 1,675,087; June 26.
- Biette, Henry C., Detroit, assignor of twenty per cent to J. S. Longtin, Wyandotte, and ten per cent to E. C. Schaffer, Detroit, Mich. Coffee percolator. 1,681,656; Aug. 21.
- Bidex Products Company. (See Grotenhuis, William J., assignor.)
- Bigelow Arch Company. (See Bigelow, Jack E., assignor.)
- Bigelow, Carle M., Newton, Mass. Surface coating articles. 1,662,816; Mar. 20.
- Bigelow Company, The. (See Welter, Gustave, assignor.)
- Bigelow, Frank M., Jeannette, Pa. Glass mold. 1,683,755; Sept. 11.
- Bigelow, Jack E., Pittsburgh, Pa., assignor, by mesne assignments, to Bigelow Arch Company, Detroit, Mich. Furnace-wall construction. 1,670,490; May 22.
- Bigger, Robert L. (See Johnson, William T., assignor.)
- Biggert, Florence C., jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill and method of rolling. 1,669,550; May 15.
- Biggert, Florence C., jr., Crafton, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Strip mill. 1,676,176; July 3.
- Biggert, Florence C., jr., Crafton, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Flying shears. 1,684,617; Sept. 18.
- Biggert, Florence C., jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Multiple shears. 1,678,458; July 24.
- Biggert, Florence C., jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Sheet-opening mechanism. 1,680,082; Aug. 7.
- Biggert, Florence C., jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Continuous sheet mill and making finished sheets. 1,695,910; Dec. 18.
- Biggs, Charles P., assignor to W. H. Crawford, Mound City, Mo. Electrically-heated dispensing pump. 1,675,689; July 3.
- Biggs, Noah B., assignor to F. J. Anthony, Wichita, Kans. Derrick. 1,667,582; Apr. 24.
- Bigler, Oscar A., Wyoming, Ohio. Bathing cap. 1,695,005; Dec. 11.
- Bigney, S. O., & Company. (See Bigney, Sidney O., assignor.)
- Bigney, S. O., Company. (See Payette, Joseph A., assignor.)
- Bigney, Sidney O., assignor to S. O. Bigney & Company, Attleboro, Mass. Bracelet book. 1,654,718; Jan. 3.
- Bigney, Sidney O., assignor to S. O. Bigney & Company, Attleboro, Mass. Bracelet chain. 1,692,809; Nov. 27.
- Bigold, Walter C., San Francisco, Calif. Composing stick. 1,693,105; Nov. 27.
- Bigony, Thomas W., Philadelphia, Pa. Toothbrush. 1,682,548; Aug. 28.
- Bihl, Henry J. (See Bihl, John P. and H. J.)
- Bihl, John P. and H. J., Newport, Ky. Battery-lead connection or clamp. 1,680,201; Aug. 7.
- Bihl, William E., Chicago, Ill., assignor to Iron Mountain Company. Refrigerator control mechanism. 1,654,523; Jan. 3.
- Bijur, Joseph, assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y. Engine starting apparatus. 1,664,847; Apr. 3.
- Bijur, Joseph, New York, N. Y. Coupling. 1,682,720; Aug. 28.
- Bijur, Joseph, New York, N. Y. Coupling and the like. 1,682,721; Aug. 28.
- Bijur, Joseph, New York, N. Y. Coupling and the like. 1,682,722; Aug. 28.
- Bijur, Joseph, New York, assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting apparatus. 1,660,987; Feb. 28.
- Bikin, Bruno. (See Andronowicz, John, assignor.)
- Bilan, John, Flint, Mich. Electric radiator. 1,661,281; Mar. 6.
- Bilbao, José, Habana, Cuba. Aircraft. 1,682,263; Aug. 28.
- Biles, Reginald W., Balcombe, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Protective arrangement for alternating-current electric circuits. 1,655,307; Jan. 3.
- Bilhartz, Charles, Strasburg, France. Machine for the production of textile fabrics. 1,666,591; Apr. 17.
- Bilhartz, Charles, Strasburg, France. Loom. 1,684,789; Sept. 18.
- Bilhorn Construction Company. (See Bilhorn, Walter E., assignor.)
- Bilhorn, Peter P., Chicago, Ill. Folding organ. 1,663,238; Mar. 20.
- Bilhorn, Walter E., assignor to Bilhorn Construction Company, St. Louis, Mo. Concrete anchor. 1,695,523; Dec. 18.
- Bill, Charles E. (See O'Neill, Edwin H., assignor.)
- Billar, David J., assignor to Day-Brite Reflector Company, St. Louis, Mo. Reflector housing for display-case lights. Des. 74,818; Apr. 3.
- Billerbeck, Henry E., Glenside, Pa. Electric-circuit controller. 1,682,549; Aug. 28.
- Billeter, Otto, E. Rothlin, and J. Peyer, assignors to Chemical Works formerly Sandoz, Basel, Switzerland. Manufacture of easily-soluble anesthetics of the metamimobenzoic acid ester series. 1,678,317; July 24.
- Billig, Fred W. (See Sparks, W., Schofield, Johnson, and Billig.)
- Billig, Fred W., assignor to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,684,906; Sept. 18.
- Billings, Clarence E. (See Fatscher, G. C. and Billings.)
- Billings, George P., Albany, Wis. Roof-framing rule. 1,683,438; Sept. 4.
- Billings & Spencer Company, The. (See Clark, R. S., Prime, and Talcott, assignors.)
- Billings & Spencer Company, The. (See Dowd, John H., assignor.)
- Billingsley, P. L., Company, The. (See Billingsley, Percy L., assignor.)
- Billingsley, Percy L., Orlando, Fla., assignor to The P. L. Billingsley Company, Cincinnati, Ohio. Sawing device. Re17,987; Sept. 25.
- Billingsley, Percy L., assignor of one-fourth to M. O. Overstreet, Orlando, Fla. Saw tooth. 1,666,987; Apr. 24.
- Billner, Karl P., Stockholm, Sweden, assignor to The Aerocrete Corporation of America, New York, N. Y. Porous concrete floor. 1,660,370; Feb. 28.
- Bills, Edward C., Redondo Beach, Calif. Trolling spoon. 1,661,688; Mar. 6.
- Billstrom, Edwin J., Rockford, Ill. Clamp attachment. 1,669,443; May 15.
- Billstrom, Edwin J., Rockford, Ill. Clamp. 1,670,297; May 22.
- Bilney, Alwyn, A. H. (See Cooper, A. J., and Bilney.)
- Bilodeau, Henry, Wilkes-Barre, Pa. Individual cake mold. 1,690,526; Nov. 6.
- Bilrtrite Collar Company. (See Williams, Howard E., assignor.)
- Bilty, Charles H., Milwaukee, and A. E. Tellefsen, West Allis, Wis. Drainpipe guide. 1,679,559; Aug. 7.
- Binder Bros., Inc. (See Rolle, Friedrich A. K., assignor.)
- Binder, Gottfried H., Orange, N. J. Spot anchor. 1,681,634; Aug. 21.
- Binder, Harry, assignor to Luxor Electrical Fixture Corp., Brooklyn, N. Y. Combined strap and shield for a lighting fixture. Des. 76,848; Nov. 13.
- Binder, Leo J., Spokane, Wash. Grate. 1,677,809; July 17.
- Binder, Louis, Newark, N. J. Box. 1,654,781; Jan. 3.
- Binder, Peter E. (See Cullen, F. J., Binder, and Harshman.)
- Bindner, Julius R., St. Louis, Mo. Shank for turn shoes. 1,686,791; Oct. 9.
- Bindschedler, Theodore S., assignor to Burroughs Adding Machine Co., Detroit, Mich. Make and break switch for adding machines. 1,658,036; Feb. 7.
- Bing, Julius, assignor to Magnet-Werk G. m. b. H. Eisenach, Spezialfabrik für Elektromagnet-Apparate, Eisenach, Germany. Electromagnetic chuck. 1,659,616; Oct. 30.
- Bing & Bing, Inc. (See Shaw, John W., assignor.)
- Bing, Bridget T., New York, N. Y. Sanitary toilet-seat cover. 1,676,940; July 10.
- Bing, Julius, Eisenach, assignor to the firm Magnet-Werk G. m. b. H. Eisenach Spezial-Fabrik für Elektromagnet-Apparate, Eisenach, Thuringia, Germany. Method of and apparatus for disintegrating bulky scrap metal. 1,665,806; Apr. 10.
- Bing, Julius, assignor to Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet Apparate, Eisenach, Germany. Magnetic chuck. 1,667,766; May 1.
- Bing Werke. (See Schwarzenhauer, Waldemar, assignor.)
- Bing-Werke, vorm. Gebr. Bing Aktiengesellschaft. (See Habicht, Georg, assignor.)
- Bingham, James K., Cincinnati, Ohio. Compound tool. 1,668,262; May 1.
- Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Electrical apparatus. 1,685,223; Sept. 25.
- Binger, Louis, Norton, Kans. Planter attachment for plows. 1,665,873; Apr. 10.
- Binger, Nikolaus, Pittsburgh, Pa. Floor scraper. 1,665,766; Apr. 10.
- Bingham, Pierre C., New York, N. Y. Medicinal spraying device. 1,658,830; Feb. 14.
- Binkele, Herman C., Tigard, Oreg. Copyholder. 1,685,041; Sept. 18.
- Binks, Harry D., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Gang spray. 1,658,220; Feb. 7.
- Binks, Melvin J., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Spray-gun head. 1,655,253; Jan. 3.
- Binks, Melvin J., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Flat-spray appliance. 1,655,254; Jan. 3.
- Binks, Melvin J., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Coating-material separation. 1,655,255; Jan. 3.
- Binks, Melvin J., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Spray-gun-head constructor and draft equalizer for spray rooms. 1,655,256; Jan. 3.

- Binks, Melvin J., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Spray-gun head. 1,655,257; Jan. 3.
- Binks Spray Equipment Co. (See Binks, Harry D., assignor.)
- Binks Spray Equipment Co. (See Binks, Melvin J., assignor.)
- Binks Spray Equipment Co. (See Hersleb, William, assignor.)
- Binney Castings Company, The. (See Binney, Ralph L., assignor.)
- Binney, Ralph L., assignor to The Binney Castings Company, Toledo, Ohio. Nonferrous casting. 1,665,435; Apr. 10.
- Binns, Edward H. (See Binns, Ralph H., assignor.)
- Binns, Edward H., et al. (See De Hart, William A., assignor.)
- Binns, Ralph H., et al. (See De Hart, William A., assignor.)
- Binns, Ralph H., Pittsburgh, Pa., assignor of two-sevenths to E. H. Binns. Flexible closure. 1,655,982; Jan. 10.
- Binns, Ralph H., assignor of two-sevenths to E. H. Binns, Pittsburgh, Pa. Flexible closure. 1,680,362; Aug. 14.
- Binocular Stereoscopic Film Company. (See Fairall, Harry K., assignor.)
- Binz, Arthur, and C. Räth, Berlin, Germany. Preparation of heterocyclic arsenic compounds. 1,661,871; Mar. 6.
- Binz, Arthur, and C. Räth, Berlin, Germany. Preparing nitropyridine arsenic acids. 1,675,402; July 3.
- Binz, Arthur, and C. Räth, Berlin, Germany. Manufacture of 2-hydroxy-bromo-5-pyridin arsonic acid. 1,680,587; Aug. 14.
- Binz, Arthur, Berlin, and C. Räth, Rangsdorf, Germany. Preparation of organic arsenic compounds. 1,667,237; Apr. 24.
- Binz, Arthur, Berlin, and C. Räth, Rangsdorf, Germany. Reduction of arsenic acids. 1,667,238; Apr. 24.
- Binz, Arthur, Berlin, and C. Räth, Rangsdorf, Germany. Preparation of arsenic compounds. 1,678,760; July 31.
- Birbaum, Harry A., assignor of one-half to A. S. Cobden, Troy, N. Y. Dispensing device. 1,679,237; July 31.
- Birch, Thomas H., Milwaukee, Wis. Brake-cylinder release valve. 1,679,600; Aug. 7.
- Birch, William T., Chicago, Ill. Pedal cover. 1,674,849; June 26.
- Bircher Co., The. (See Keiser, Arthur J., assignor.)
- Birchfield, Robert W., assignor to Heggie Simplex Boiler Company, Joliet, Ill. Making boilers. Re17,033; July 17.
- Bird, Andrew D., Memphis, Tenn. Game. 1,656,413; Jan. 17.
- Bird, Bailey G., and H. D. Wright, McComas, W. Va. Electric power reel. 1,674,239; June 19.
- Bird, Charles B., Minneapolis, Minn. Liquid-fuel burner. 1,671,340; May 29.
- Bird, Clifton, Hardesty, Okla. Automobile abstract. 1,678,666; July 31.
- Bird, Elmer B., Little Rock, Ark. Producing gasoline from natural gases. 1,656,813; Jan. 17.
- Bird, Eugene H., assignor to The Koppers Company, Pittsburgh, Pa. Treatment of fuel gas. 1,654,782; Jan. 3.
- Bird, Eugene H., assignor to The Koppers Company, Pittsburgh, Pa. Gas-purification process and apparatus. 1,660,741; Feb. 28.
- Bird, Frank A., Salt Lake City, Utah. Concentrating oxidized ores and minerals. 1,686,064; Oct. 2.
- Bird, Frank, Hamilton, assignor to Bird's Patents Limited, Auckland, New Zealand. Operating means for fanlights and the like. 1,695,755; Dec. 18.
- Bird, George W., Great Falls, Mont. Steering gear for automobiles. 1,690,049; Oct. 30.
- Bird, George H. (See Hutt, J., and Bird.)
- Bird, John C., assignor to Union Steam Pump Company, Battle Creek, Mich. Valve mechanism for steam engines. 1,661,154; Mar. 6.
- Bird, Lee, Rock Springs, Ga. Combined groundworking and pulverizing machine. 1,681,835; Aug. 21.
- Bird, Lester F., Irvington, N. J., assignor to General Electric Company. Signaling system. 1,696,590; Dec. 25.
- Bird Machine Company. (See Clarke, Ralph S., assignor.)
- Bird Machine Company. (See Laird, Isaac L., assignor.)
- Bird, Oscar J., Howell, Mich. Auto truck winch. 1,658,878; Feb. 14.
- Bird, Robert M., Charlottesville, Va. Electric fuse. 1,660,828; Feb. 28.
- Bird's Patents Limited. (See Bird, Frank, assignor.)
- Birdsall, Charles G. (See McCann, J. J., and Birdsall.)
- Birdsall, Charles G. (See Yngve, V., and Birdsall.)
- Birdsall, James E. (See Varnum, A. C., and Birdsall.)
- Birdsall, Wilfred T., Montclair, N. J., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Slide holder. 1,679,928; Aug. 7.
- Birdsey, Charles R., Hinsdale, assignor to The United States Gypsum Co., Chicago, Ill. Plaster-board bundle. 1,696,877; Dec. 25.
- Birdsey, Charles R., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Delivery guide. 1,666,161; Apr. 17.
- Birdsey, Charles R., Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill. Apparatus for making lap-edged plaster sheathing board. 1,676,318; July 10.
- Biren, Simon, Brooklyn, N. Y. Corn and bunion protector. 1,690,395; Nov. 6.
- Birge, M. H., & Sons Co. (See Burchfield, Charles E., assignor.)
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Anchor. 1,659,348; Feb. 14.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Coating apparatus. 1,661,150; Feb. 28.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Coating apparatus. 1,662,042; Mar. 6.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Painting apparatus. 1,691,374; Nov. 13.
- Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Auger. 1,691,540; Nov. 13.
- Birkett, Lynn, Downsville, Wis. Vacuum-operated register. 1,656,134; Jan. 10.
- Birkholtz, Fred C., Mercerville, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Spool head. 1,656,032; Jan. 10.
- Birkholz, Hans E., assignor to National Air Filter Company, Chicago, Ill. Air filter. 1,690,813; Nov. 6.
- Birkholz, Richard G., Milwaukee, Wis., assignor to Penn Metal Company, Cambridge, Mass. Expanded-metal machine. 1,676,517; July 10.
- Birkigt, Marc, Bois-Colombes, France. Template for grinding machines. 1,656,814; Jan. 17.
- Birkigt, Marc, Bois-Colombes, France. Grinding machine. 1,660,291; Feb. 21.
- Birks, Falconer, M., London, England. Desuperheater. 1,662,452; Mar. 13.
- Birnbaum, Charles, Brooklyn, N. Y. Ring. Des. 74,538; Feb. 28.
- Birney, William N., Willoughby, assignor of one-half to M. H. McKenna, Cleveland, Ohio. Autotruck mechanical dump hoist. 1,665,340; Apr. 10.
- Birnstock, William W., assignor to Vapor Heating Company, York, Pa. Modulating vapor valve. 1,659,477; Feb. 14.
- Birnstock, William W., assignor to Vapor Heating Company, York, Pa. Modulating valve. 1,662,659; Mar. 13.
- Birrell, Lawrence H., Salt Lake City, Utah, assignor of one-half to A. N. Rosenbaum, Los Angeles, Calif. Double lock box. 1,680,661; Aug. 14.
- Bisbee, Frederick C., Cranford, N. J., assignor to American Telephone and Telegraph Company. Recording system. 1,654,633; Jan. 3.
- Bisbee, Ralph F. (See Matthews, H. D., and Bisbee.)
- Bischan, William, Bronx, assignor to Bot-Lok Co. Inc., New York, N. Y. Milk-bottle lock. 1,681,213; Aug. 21.
- Bischof, Bernhard, assignor to Swiss Locomotive and Machine Works, Winterthur, Switzerland. Compressor. 1,672,148; June 5.
- Bischof, Ulrich, Horgen, Switzerland, assignor, by mesne assignments, to Smyth Manufacturing Company, Hartford, Conn. Saddle for the tables of thread-stitching machines. 1,684,342; Sept. 11.
- Bisel, Othello J. (See Bisel, Wilber S. and O. J.)
- Bisel, Wilber S. and O. J., assignors of one-half to G. Baudry, Atchison, Kans. Wire-winding machine. 1,679,804; Aug. 7.
- Bisey, Sunker A., New York, N. Y. Lubrication of molds. 1,680,112; Feb. 21.
- Bischoff, Eugene M., Pasadena, Calif. Chair. 1,664,103; Mar. 27.
- Bishop & Babcock Manufacturing Company, The. (See Palm, John V. O., assignor.)
- Bishop & Babcock Manufacturing Company, The. (See Sebring, James A., assignor.)
- Bishop, Benjamin S. T. (See Gifford, A. J., and Bishop.)
- Bishop, Benjamin S. T., Shrewsbury, and H. A. Jacobson, Worcester, Mass., assignors to Leland-Gifford Company. Electric reversing device for tapping machines. 1,677,744; July 17.
- Bishop, Clarence M., assignor to Pendleton Woolen Mills, Portland, Ore. Blanket. Des. 75,352; May 29.
- Bishop Company, The. (See Bishop, Frederick R., assignor.)
- Bishop, Edward, Syracuse, N. Y. Star and cross puzzle. 1,657,736; Jan. 31.
- Bishop, Ernest L., Lindsay, Calif. Filter. 1,680,848; Aug. 14.
- Bishop, Ezra F., assignor of one-half to R. W. Dimock, Oakland, Calif. Vending show case. 1,691,461; Nov. 13.
- Bishop, Frederick R., North Attleboro, Mass. Optical mounting. Des. 75,999; Aug. 14.
- Bishop, Frederick R., assignor to The Bishop Company, North Attleboro, Mass. Bridge for an ophthalmic mounting. Des. 76,517; Oct. 9.
- Bishop, George E., Cleveland, Ohio. Automobile inclosure. 1,656,908; Jan. 24.
- Bishop, George E., Cleveland, Ohio. Automobile inclosure. 1,688,681; Oct. 23.
- Bishop, Glenn A., Evanston, Ill. Radiolog. 1,686,677; Oct. 9.
- Bishop, Harry J., Kansas City, Mo. Apparatus for treating soil. 1,667,923; May 1.
- Bishop, James A., deceased, Mascoutah, Ill.; L. H. Bishop, administratrix. Valve. 1,683,153; Sept. 4.
- Bishop, James A., deceased, Mascoutah, Ill.; L. H. Bishop, administratrix. Valve. 1,683,154; Sept. 4.

- Bishop, James A., deceased, Mascoutah, Ill.; L. H. Bishop, administratrix. Radio receiving apparatus. 1,689,224; Oct. 30.
- Bishop, James O., Torrance, Calif. Torch-operating mechanism. 1,687,001; Oct. 9.
- Bishop, Joseph W., and B. C. Booth, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Wilmington, Del. Combined phonograph and radio apparatus. 1,695,911; Dec. 18.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Machine for making billiard chalk or the like. 1,659,077; Feb. 14.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Toilet-seat hinge. 1,679,202; July 31.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Switch. 1,682,211; Aug. 28.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Combined phonograph and radio apparatus. 1,685,394; Sept. 25.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Automatic pin-setting machine. 1,692,796; Nov. 20.
- Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Combined phonograph and radio receiving apparatus. 1,692,797; Nov. 20.
- Bishop, Lulu H., administratrix. (See Bishop, James A.)
- Bishop, Mabel M., Milwaukee, Wis. Instructional musical-harmony card game. 1,675,528; July 3.
- Bishop, Oakley M., Wilmington, Del., and M. S. Thompson, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dye powder and process of manufacture. 1,659,131; Feb. 14.
- Bishop, Reginald, London, England. Cutting steering gears. 1,673,488; June 12.
- Bishop, Reginald, London, England. Work holder or fixture for use in cutting cams. 1,673,489; June 12.
- Bishop, Travis L., et al. (See Rowley, Benjamin F., assignor.)
- Bismarckhütte, Firm. (See Jaworski, Paul, assignor.)
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical lamp. Des. 75,094; May 8.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric flasher switch mechanism. 1,676,850; July 10.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products, Inc. Cleveland, Ohio. Transmission mechanism. 1,689,193; Oct. 30.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products, Incorporated, Cleveland, Ohio. Apparatus for electrically heating metal parts. 1,691,562; Nov. 13.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products, Incorporated, Cleveland, Ohio. Heating furnace. 1,692,614; Nov. 20.
- Bissell, Richard E., Cleveland Heights, assignor to Thompson Products Inc., Cleveland, Ohio. Tool for rotating valve heads. 1,694,699; Dec. 11.
- Bissett, John W., Garrison, Pa. Pulley. 1,663,154; Mar. 20.
- Biszantz, Fred, assignor to The National Grave Vault Co., Galion, Ohio. Dumping body. 1,670,232; May 15.
- Biszantz, Fred, assignor to The National Grave Vault Co., Galion, Ohio. Dumping body. 1,671,884; May 29.
- Biszantz, Fred, assignor, by mesne assignments, to The Central Ohio Steel Products Company, Galion, Ohio. Dumping body. 1,682,882; Sept. 4.
- Biszantz, Fred, assignor, by mesne assignments, to The Central Ohio Steel Products Company, Galion, Ohio. Dumping body. 1,693,543; Nov. 27.
- Bitetto, Vincent, Ozone Park, N. Y., assignor of one-half to B. Kurzweil. Rotary toy device. 1,659,423; Feb. 14.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,658,758; Feb. 7.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,667,834; May 1.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,680,444; Aug. 14.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,683,439; Sept. 4.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural reinforce element. 1,688,957; Oct. 23.
- Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,688,958; Oct. 23.
- Bittner, Fredwill, Los Angeles, Calif. Marking tool. 1,665,400; Apr. 10.
- Bittner, William, Brooklyn, N. Y. Sheet-metal-bending machine. 1,691,032; Nov. 13.
- Bitzenburger, Frank C., Los Angeles, Calif. Yieldable back support for seats. 1,663,898; Mar. 27.
- Bitzer, Christian, New York, N. Y. Sewing-table attachments. 1,695,082; Dec. 11.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,003; May 1.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,004; May 1.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,005; May 1.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,006; May 1.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,007; May 1.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,008; May 1.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,353; May 29.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,604; June 26.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,605; June 26.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,606; June 26.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 75,771; July 17.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 76,599; Oct. 16.
- Biva, Lucien, Brooklyn, N. Y., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 76,600; Oct. 16.
- Bivins, Luther R. (See Wooten, M. F., Bivins, and Nicholas.)
- Bixby, Everett H., Astoria, Oreg. Extension grip for electric-lamp connectors. 1,668,043; May 1.
- Bixby, Walter. (See Hathaway, E. F., and Bixby.)
- Bixby, Walter, assignor to Shawmut Engineering Company, Dorchester, Mass. Mechanism for and threading yarn carriers. 1,656,815; Jan. 17.
- Bixby, Walter, assignor to Shawmut Engineering Company, Dorchester, Mass. Yarn carrier or tube frame and receivers or tubes therefor. 1,670,434; May 22.
- Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Bearing for demountable spools. 1,681,894; Aug. 21.
- Bixler, James E. (See Smith, T. B., and Bixler.)
- Bixler, L. B. Henry. (See Bixler, William L. and L. B. H.)
- Bixler, Walter S., Connelleville, Pa. Coat badge or similar article. Des. 75,607; June 26.
- Bixler, William L. and L. B. H., Fresno, Calif. Pick off for conveyer systems. 1,664,393; Apr. 3.
- Bizzarri, Anthony, New York, N. Y. Baby carriage or similar article. Des. 74,163; Jan. 3.
- Bizzarri, Anthony, assignor, by mesne assignments, to Specialty Patents Holding Co., Inc., New York, N. Y. Automobile body. Des. 74,594; Mar. 6.
- Bizzarro, Frank, assignor to Everkleen Spark Plug Corporation, New York, N. Y. Spark plug. 1,660,591; Feb. 28.
- Bjorge, Oscar B., assignor to Clyde Iron Works, Duluth, Minn. Drive for cable-winding drums. 1,659,455; Feb. 14.
- Bjorge, Oscar B., Portland, Oreg., assignor to Clyde Iron Works, Duluth, Minn. Demountable winding drum. 1,685,519; Sept. 25.
- Bjork, Edmund. (See Gillingham, A., and Bjork.)
- Bjorklund, Axel W., et al. (See Krohn, Emil, assignor.)
- Bjorklund, Robert, Brooklyn, N. Y. Valve grinder. 1,169,105; Oct. 23.
- Bjorkman, Axel W., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Coil-spreading device. 1,650,847; Aug. 14.
- Bjorkman, Axel W., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Coil-winding device. 1,685,597; Sept. 25.
- Bjorkstedt, William G., Jamaica, N. Y. Treating aluminum containing minerals. 1,681,921; Aug. 28.
- Bjornlie, Julius, Minneapolis, Minn. Rim tool. 1,673,439; June 12.
- Bjornnson, Carl A. (See Clark, C. P., and Bjornnson.)
- Bjornson, Björn G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Repeater circuits. 1,689,318; Oct. 30.
- Bjornson, Björn G., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeater circuits. 1,666,676; Apr. 17.
- Bjur, Carl, Yakima, Wash. Rear axle for motor vehicles. 1,660,113; Feb. 21.
- Blache, Hans H., Hellerup, near Copenhagen, Denmark. Stuffing box for propeller shafts. 1,683,756; Sept. 11.
- Blacher, Benjamin, assignor to Blacher Brothers, Providence, R. I. Fastener for bag frames. 1,695,706; Dec. 18.
- Blacher Brothers. (See Blacher, Benjamin, assignor.)
- Black, Archibald, Garden City, N. Y. Building construction. 1,683,600; Sept. 11.
- Black, Austin L., Colorado Springs, Colo. Sleeve holder. 1,667,583; Apr. 24.

- Black, Charles D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Removing metal cores. 1,656,312; Jan. 17.
- Black-Clawson Company, The. (See Kutter, Herman L., assignor.)
- Black-Clawson Company, The. (See Martindale, Homer D., assignor.)
- Black and Decker Manufacturing Company, The. (See Graves, John E., assignor.)
- Black and Decker Manufacturing Company, The. (See Stumpf, Walter, assignor.)
- Black, Earl. (See Black, Ermine P. and E.)
- Black, Ermine P. and E., Carey, Ohio. Mop holder. 1,660,592; Feb. 28.
- Black, Frank J., Crafton, Pa. Boring bar. 1,668,351; May 1.
- Black, Harold S., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Translating circuits. 1,675,876; July 3.
- Black, Harold S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reducing cross talk in carrier-current signaling systems. 1,676,627; July 10.
- Black, Harold S., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Translating system. 1,686,792; Oct. 9.
- Black, John C., Destrehan, La. Process and apparatus for fractionating hydrocarbon oils. 1,692,072; Nov. 20.
- Black, John C., Los Angeles, Calif. Refining oil. 1,656,997; Jan. 24.
- Black, John C., Los Angeles, and J. R. Coward, Watson, Calif. Apparatus for controlling pressure. 1,673,490; June 12.
- Black, John C., Los Angeles, and W. H. Low, Long Beach, assignors to Pan American Petroleum Company, Los Angeles, Calif. Purifying hydrocarbons. 1,696,377; Dec. 25.
- Black, Jotham F., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming sheet glass. 1,680,588; Aug. 14.
- Black, Lee J., Beaumont, Tex. Combined guide plug and float valve for well casings. 1,659,478; Feb. 14.
- Black, Lee J., Beaumont, Tex. Drum assembly. 1,662,410; Mar. 13.
- Black, Lee J., Beaumont, Tex. Crown block for derricks. 1,668,139; May 1.
- Black, Lee J., Beaumont, Tex. Steel walking beam. 1,682,833; Sept. 4.
- Black, Lester C., Los Angeles, Calif. Rotary disk drill bit. 1,655,176; Jan. 3.
- Black, Lester C., Los Angeles, Calif. Well-drilling tool. 1,691,623; Nov. 13.
- Black, Lester C., Los Angeles, Calif. Well-drilling tool. 1,694,679; Dec. 11.
- Black, Millard S., Huntington Park, Calif. Casing perforator. 1,683,858; Sept. 11.
- Black, Nathaniel S., Newtonville, assignor to The Casey Foster Co., Boston, Mass. Convertible hand truck and vehicle. 1,679,325; July 31.
- Black, Percy S., Fort Worth, Tex. Electric swivel socket. 1,665,018; Apr. 3.
- Black Rock Manufacturing Company, The. (See Hammond, G. L., Messinger, and Nicholas, assignors.)
- Black, Sivalis & Bryson Manufacturing Company. (See Raymond, Gwynne, assignor.)
- Black, T. C. (See Spiering, Charles W., assignor.)
- Black, Victor D., Jr. (See Bernhardt, R. P., and Black.)
- Black, William M., Boston, Pa. Railway tie. 1,672,876; June 12.
- Black, William R. (See Lashley, T. H., and Black.)
- Black, William V., Pittsburgh, Pa. Dispensing bit. 1,669,851; May 15.
- Blackburn, Ernest. (See Newton, G. V., and Blackburn.)
- Blackburn, Guy W., Elgin, Ill. Heat pencil. 1,656,690; Jan. 17.
- Blackburn, Guy W., Elgin, Ill. Burnishing machine. 1,671,665; May 29.
- Blackburn, Guy W., Elgin, Ill. Speedometer. 1,679,203; July 31.
- Blackburn, Guy W., Elgin, Ill. Antiglare device. 1,691,107; Nov. 13.
- Blackburn, Jasper, Webster Groves, Mo. Cable hanger. 1,682,737; Sept. 4.
- Blackburn, Jasper, Webster Groves, Mo. Earth anchor. 1,658,155; Feb. 7.
- Blackburn, Jasper, Webster Groves, Mo. Automatic pre-selector and shifting device for sliding gear transmissions. 1,661,992; Mar. 6.
- Blackburn, Jasper, Webster Groves, and A. Albrecht, St. Louis, Mo.; said A. Albrecht assignor to said J. Blackburn. Galvanizing. 1,663,037; Mar. 20.
- Blackburne, Frederick W., London, England, assignor to Otis Elevator Company, New York, N. Y. Escalator safety device. 1,695,083; Dec. 11.
- Blacker, William, Stalybridge, England. Apparatus for beating gold leaf or sheets of other metal and such like. 1,677,513; July 17.
- Blackett, Alexander H., administrator. (See Blackett, William C.)
- Blackett, William C., deceased; A. H. Blackett, administrator, Wellesley, assignor to Badger Fire Extinguisher Company, Boston, Mass. Automobile trailer connection. 1,672,598; June 5.
- Blackford Window Glass Company. (See Hart, Thomas B., assignor.)
- Blackhall, John R., Joliet, Ill. Drawbar. 1,692,109; Nov. 20.
- Blackhawk Manufacturing Company. (See Pfauter, Edward M., assignor.)
- Blackington, R. & Co. (See Ballou, Walter B. and H. M., and Wall, assignors.)
- Blackinton, R. & Co. (See Ballou, Howard M., assignor.)
- Blackledge, John W., Chicago, Ill. Vehicle spring regulator. 1,661,650; Mar. 6.
- Blackman, Albert E., Mount Vernon, N. Y. Radiator cover. 1,671,008; May 22.
- Blackman, Albert E., Mount Vernon, N. Y. Mail box. 1,685,222; Sept. 25.
- Blackman, Albert E., Mount Vernon, N. Y. Mail box. 1,695,524; Dec. 18.
- Blackman, Horace L., and O. B. Hjorth, assignors to The Parker Pen Company, Janesville, Wis. Pen-gripping device. 1,669,036; May 8.
- Blackman, Josephine W., New Haven, Conn. Trellis. 1,664,019; Mar. 27.
- Blackmore, Lloyd, Highland Park, Mich., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Refrigerator control. 1,658,323; Feb. 7.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Lamp. 1,658,549; Feb. 7.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Adjustable light support for reflectors. 1,658,550; Feb. 7.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Adjustable light support for reflectors. 1,658,551; Feb. 7.
- Blackmore, Lloyd, Highland Park, assignor to C. Wood, Detroit, Mich. Advertising rack. 1,670,708; May 22.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Head-lamp reflector. 1,670,837; May 22.
- Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Windshield weather-strip. 1,680,006; Aug. 7.
- Blackmore, Lloyd, Highland Park, and M. W. McConkey, Ferndale, assignors to General Motors Corporation, Detroit, Mich. Automobile shipping device. 1,655,129; Jan. 3.
- Blackshere, Lewis D., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Bending-chamber fire box. 1,655,934; Jan. 10.
- Blackshere, Lewis D., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass drawing apparatus. 1,680,240; Aug. 7.
- Blackstone, George M. (See Watts, Richard E., assignor.)
- Blackstone Mfg. Co., The. (See More, G., and Oberg, assignors.)
- Blackwell, Daniel W., San Diego, Calif. Double-acting door hinge. 1,635,043; Jan. 3.
- Blackwell, Ernest C., assignor to Spaulding Fibre Company, Inc., Rochester, N. H. Molding counters. 1,656,162; Jan. 17.
- Blackwell, George M., assignor to The B and G Display Company, Denver, Colo. Display attachment for candy boxes. 1,672,196; June 5.
- Blackwell, George M., assignor to The B and G Display Company, Denver, Colo. Display attachment for candy boxes. 1,672,197; June 5.
- Blackwell, Otto B., Plandome, N. Y., assignor to American Telephone and Telegraph Company. Voice-operated echo suppressor. 1,674,679; June 26.
- Blackwell, Otto B., Plandome, N. Y., and H. A. Affel, Maplewood, N. J., assignors to American Telephone and Telegraph Company, Carrier amplitude-control system. 1,681,972; Aug. 28.
- Blackwell, Otto B., Plandome, N. Y., and De L. K. Martin, West Orange, N. J., assignors to American Telephone and Telegraph Company. Multiple channel radioreceiver. 1,676,244; July 10.
- Blackwood, Oswald H., assignor to The Koppers Company, Pittsburgh, Pa. Recording optical pyrometer. 1,692,923; Nov. 27.
- Blades, Arthur, and F. D. Van Valkenburg, Detroit, Mich., assignors, by mesne assignments, to Dodge Brothers, Inc. Gear-chamfering machine and chamfering gear teeth. 1,680,083; Aug. 7.
- Blades, Newton, and L. V. Marks, assignors to The Sterling Telephone & Electric Company Limited, London, England. Impulse transmitter for automatic telephone systems. 1,662,141; Mar. 13.
- Blaemire, Mark P. (See Hill, Grover C., assignor.)
- Blaetz, Harry M., assignor to Royal Electrotype Company, Philadelphia, Pa. Backing electrotype plates. 1,676,628; July 10.
- Blaikie, Charles D. (See Durand, Moise H., assignor.)
- Blaikie, John S., Toronto, Ontario, Canada. Guide for meat slicers. 1,692,810; Nov. 27.
- Blaikie, Kenneth G. (See Matheson, H. W., and Blaikie.)
- Blaine, Joseph R., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Gripper mechanism. 1,675,592; July 3.
- Blaine, Joseph R., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press ductor mechanism. 1,683,243; Sept. 4.
- Blaine, Joseph R., Oak Park, assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing-press blanket clamp. 1,686,065; Oct. 2.
- Blair, Benjamin. (See Parsons, C. A., Rosen, Grey, and Blair.)

- Blair, Blucher. (See Wallace, Frank W., assignor.)
- Blair, Edward M., Thomasville, assignor of one-half to H. H. Foust, High Point, N. C. Safety attachment for journal boxes. 1,690,050; Oct. 30.
- Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe sole. Des. 74,252; Jan. 17.
- Blair, George W., assignor to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Shoe. 1,684,660; Sept. 18.
- Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Slider-operated fastener. 1,692,196; Nov. 20.
- Blair, Isaac J., et al. (See Hays, Clarence R., assignor.)
- Blair, James C., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Annealing leer. 1,655,935; Jan. 10.
- Blair, James C., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,680,241; Aug. 7.
- Blair, James C., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass down flow apparatus. 1,692,615; Nov. 20.
- Blair, John G., Poplar, England. Lighting ships' lifeboats and the like. 1,676,977; July 10.
- Blair, Minnie. (See Blair, O. M., and Williams, assignors.)
- Blair, Orville M., and W. E. Williams; said O. M. Blair assignor to M. Blair, San Francisco, Calif. Towel-vending device. 1,683,519; Sept. 4.
- Blair, Robert S., Sound Beach, Conn. Meter. 1,654,915; Jan. 3.
- Blair, Robert S., Stamford, Conn. Optical projection. 1,657,878; Jan. 31.
- Blair, Robert S., Stamford, Conn. Projection of bullets and other projectiles. 1,663,899; Mar. 27.
- Blair, Robert S., Stamford, Conn. Landing gear for aeroplanes. 1,668,887; May 8.
- Blair, Robert S., Stamford, Conn. Construction for flatirons. 1,681,214; Aug. 21.
- Blair, Robert S., Stamford, Conn. Railway signaling. 1,684,386; Sept. 18.
- Blair, Robert S., Stamford, Conn. Wave motor. 1,688,032; Oct. 16.
- Blair, Robert S., Stamford, Conn. Athletic apparatus. 1,688,033; Oct. 16.
- Blair, Rolandis A., Fort Wayne, Ind. Rail anchor. 1,693,804; Dec. 4.
- Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,679,646; Aug. 7.
- Blair, Roland B. (See Lawrence, E. G., and Blair.)
- Blair, William E., and V. D. Kauth, Buffalo, N. Y. Automatic shut-off device. 1,669,280; May 8.
- Blaisdell, Harrison O., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,693,705; Dec. 4.
- Blaisdell, William W., New York, N. Y. Treating oil shales and other bituminous materials. 1,684,007; Sept. 11.
- Blake, Belden H., Canton, Ohio. Golf pad. 1,681,389; Aug. 21.
- Blake, C. C., Incorporated. (See Blake, Charles C., assignor.)
- Blake, C. C., Incorporated. (See La Chapelle, Euclid I., assignor.)
- Blake, Charles C., Brookline, assignors to C. C. Blake, Incorporated, Boston, Mass. Staple-making machine. 1,660,952; Feb. 28.
- Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Shoes. 1,677,612; July 17.
- Blake Electric Mfg. Company. (See Smith, Harry C., assignor.)
- Blake, Francis H., 2d, Clayton, N. Y. Windshield cleaner. 1,684,907; Sept. 18.
- Blake, Frank C., deceased, by R. L. Blake, administratrix, assignor to Lazote Inc., Wilmington, Del. Manufacture of hydrogen. 1,692,811; Nov. 27.
- Blake, George E., Fort William, Ontario, Canada. Blanket warmer. 1,659,719; Feb. 21.
- Blake, George E., Springfield, Mass., and J. H. Bruninga, St. Louis, Mo., assignors, by mesne assignments, to H. Hyman, New York, N. Y. Spotlight. 1,661,784; Mar. 6.
- Blake, Harold D., Cleveland Heights, and J. E. Stone, Cleveland, Ohio, assignors to General Electric Company. Coating for glass surfaces. 1,672,857; June 5.
- Blake, Harold S., Attleboro, Mass. Air control for oil burners. 1,660,032; Feb. 21.
- Blake, Isabelle B., New York, N. Y. Folding box. 1,685,016; Sept. 18.
- Blake, James E., Co. (See Blake, William H., assignor.)
- Blake, John A., Greenwood, S. C. Surgical suturing instrument. 1,656,467; Jan. 17.
- Blake & Johnson Company. (See Lynch, J. M., and Gil-mour, assignors.)
- Blake, Lionel J. B., Bishops Stortford, England. Mixing machine. 1,693,688; Dec. 4.
- Blake, Moffitt & Towne. (See Hoblick, Benjamin M., assignor.)
- Blake, Nickolas. (See Ermatinger, Peter, assignor.)
- Blake, Preston L., Amarillo, Tex. Typewriter copy-holder and line marker. 1,675,784; July 3.
- Blake, R. P., et al. (See Simpson, Arthur E., assignor.)
- Blake, Roberta L., administratrix. (See Blake, Frank C.)
- Blake, Willard W. (See Amat, R., and Blake.)
- Blake, William G., Seattle, Wash., assignor of one-half to B. M. Filmer, Vancouver, British Columbia, Canada. Bumper. 1,672,243; June 5.
- Blake, William H., assignor to James E. Blake Co., Attleboro, Mass. Hairbrush. 1,666,081; Apr. 17.
- Blake, William H., assignor to James E. Blake Co., Attleboro, Mass. Portable lighter. 1,667,835; May 1.
- Blake, William O., Sidney, Ohio. Paper-folding machinery. 1,655,491; Jan. 10.
- Blake, William P., et al. (See Long, Wilber L., assignor.)
- Blakeley, George H., assignor to Bethlehem Steel Company, Bethlehem, Pa. H beam. Re17,004; June 19.
- Blakeley, George H., assignor to Bethlehem Steel Company, Bethlehem, Pa. H beam. 1,658,831; Feb. 14.
- Blakely, Clarence E., Ute, assignor of one-half to W. A. Blakely, Grand Center, Iowa. Curtain rod. 1,686,141; Oct. 2.
- Blakely, Phylander, Plano, Tex. Double-row stalk cutter. 1,696,186; Dec. 25.
- Blakely, Sidney R., Jamaica Plain, Mass. Boot and shoe and making the same. 1,693,542; Nov. 27.
- Blakely, Wilbur A. (See Blakely, Clarence E., assignor.)
- Blakely, William W. (See Goodspeed, Charles A., assignor.)
- Blakeslee, G. S., & Co. (See Anstiss, George P., assignor.)
- Blakeslee, George R., executor. (See Blakeslee, George S.)
- Blakeslee, George S., Oak Park, Ill., deceased; G. R. Blakeslee, executor. Machine for washing and drying sheet-metal boxes or cans. 1,692,812; Nov. 27.
- Blakeslee, George S., deceased, Oak Park, Ill.; G. R. Blakeslee, executor. Dishwashing machine. 1,686,511; Oct. 9.
- Blakeslee, Henry J. (See Bartlette, H. R., and Blakeslee.)
- Blakeslee, Henry J., West Hartford, Conn. Kilovolt-ampere demand meter. 1,655,492; Jan. 10.
- Blakeslee, Henry J., Hartford, Conn. Electric-meter-testing apparatus. 1,680,849; Aug. 14.
- Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Metal working. 1,691,878; Nov. 13.
- Blakeslee, John R., Cleveland, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Forging mechanism. 1,691,879; Nov. 13.
- Blalock, Charles E., and G. H. Eckstein, Los Angeles, Calif. Piano. 1,664,587; Apr. 3.
- Blalock, Ira J. (See Atteberry, A. R., and Blalock.)
- Blanc, David W., assignor, by mesne assignments, to The Kingsley-Miller Company, Chicago, Ill. Radiator-cap lock. 1,673,861; June 19.
- Blanc, Gian A., Rome, Italy. Separation of chlorides of aluminum and potassium present in mixed solutions obtained in the treatment of leucite. 1,656,769; Jan. 17.
- Blancafort, Antonio, La Garriga, Barcelona, Spain. Road map. 1,680,200; Aug. 7.
- Blanchard, Alfred, assignor to Otis Company, Ware, Mass. Yarn-conditioning machine. 1,686,548; Oct. 9.
- Blanchard, Benjamin F., Fullerton, Calif. Hydraulic underreamer. 1,675,325; July 3.
- Blanchard, Forrest S., Stoneham, assignor to Ideal Can Company, Everett, Mass. Safety can. 1,687,120; Oct. 9.
- Blanchard, Frederick C., Dorchester, Mass. Lubricator. 1,655,779; Jan. 10.
- Blanchard, Frederick C., Dorchester, Mass. Lubricating system. 1,685,976; Oct. 2.
- Blanchard, Frederick C., Detroit, Mich. Lubricator. 1,680,278; Aug. 14.
- Blanchard, Frederick C., assignor to Detroit Lubricator Company, Detroit, Mich. Lubricator. 1,676,473; July 10.
- Blanchard, Harold L., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Withdrawing means for side-slip web detectors. 1,668,393; May 1.
- Blanchard, Joseph, Sydney, New South Wales, Australia. Exhaust-gas muffler for internal-combustion engines. 1,685,701; Sept. 25.
- Blanchard, Julian. (See Whiting, D. F., and Blanchard.)
- Blanchard, Julius M., Oak Park, assignor of one-half to J. W. Mabbs, Chicago, Ill. Fireplace. 1,681,606; Aug. 21.
- Blanchard, Julius M., Oak Park, assignor of one-half to J. M. Mabbs, Chicago, Ill. Shipping box. 1,696,341; Dec. 25.
- Blanchard Machine Company, The. (See Spencer, Henry K., assignor.)
- Blanchard, Zephir A., Montreal, Quebec, Canada. Vise and mount therefor. 1,691,956; Nov. 20.
- Blanchfield, James J., New York, N. Y. Combined toe pad, callus relievier, and bunion shield. 1,656,135; Jan. 10.
- Bland, Austin G. (See Weatherly, Wilson E., assignor.)
- Bland, George E., et al. (See Brown, William R., assignor.)
- Bland, John, Tinton, S. Dak. Screen. Re17,173; Dec. 25.
- Blanding, Forrest H., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Detachable handle for drills. 1,667,280; Apr. 24.
- Blanding, Forrest H., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Hammer drill. 1,675,326; July 3.
- Blanding, Joseph E., New London, Conn. Fuel-feed device. 1,658,026; Feb. 7.
- Blandin, Robert L., Providence, R. I. Heat exchanger. 1,655,086; Jan. 3.

- Blando, Frank, New York, N. Y. Press-operating means. 1,673,308; June 12.
- Blando, Frank, New York, N. Y. Press. 1,675,444; July 3.
- Blando, Frank, New York, N. Y. Press. 1,675,445; July 3.
- Blank, Ernst, Eitorf-on-the-Sieg, Germany. Brushlike implement for painting with liquid substances. 1,682,657; Aug. 28.
- Blank, George W., Philadelphia, Pa. Flexible button. 1,680,033; Aug. 7.
- Blankart, André, Basel, Switzerland, assignor to The Hoffmann-La Roche Chemical Works, New York, N. Y. Alkyl derivatives of diphenolsaltine and making same. 1,667,239; Apr. 24.
- Blankenship, William J., Valdosta, Ga. Sleeping pillow. 1,664,537; Apr. 3.
- Blanks, William C., Austin, Tex., and H. F. Snyder and J. Mikulasek; said Snyder and said Mikulasek assignors to the Maytag Company, Newton, Iowa. Insect-destroying device. 1,654,783; Jan. 3.
- Blankstein, Hyman, Chicago, Ill. Resistance element for electric irons and the like. 1,660,784; Feb. 28.
- Blanning, Edwin J. (See Jones, G. J., and Blanning.)
- Blanshan, Russell R., Buffalo, N. Y. Garment. 1,691,957; Nov. 20.
- Blaringhem, Auguste J. A., Mazingarbe, assignor to Société Anonyme d'Éclairage et d'Applications Électriques, Aaras, Pas-de-Calais, France. Extraction of krypton and xenon from air. 1,670,014; May 15.
- Blaser, Henry, Manzanola, Colo. Hog holder. 1,661,064; Feb. 28.
- Blasi, Harvey D., Detroit, Mich. Safety aeroplane. 1,681,761; Aug. 21.
- Blasiar, Arthur F., Guilford, N. Y. Torpedo. 1,683,124; Sept. 4.
- Blaskewitz, William, assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Furnace. 1,668,189; May 1.
- Blaskewitz, William, assignor to Clayton & Lambert Manufacturing Co., Detroit, Mich. Generator apparatus. 1,669,551; May 15.
- Blatterman, Albert S., Asbury Park, N. J., assignor to Ware Radio, Inc. Radiofrequency amplifier and making and operating the same. 1,684,939; Sept. 18.
- Blattner, David G. (See Frederick, H. A., and Blattner.)
- Blattner, David G., Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound measuring. 1,673,037; June 12.
- Blattner, Frederick, jr., and E. Janke, Brooklyn, N. Y. Cooking apparatus. 1,677,227; July 17.
- Blau, Fritz, F. Koref, and K. Moers, Charlottenburg, Germany, assignors to General Electric Company. Tungsten filament and making it. 1,670,292; May 22.
- Blauser, John M., assignor to Martin-Parry Corporation, York, Pa. Sliding-door-fastening mechanism for vehicle bodies. 1,669,227; May 8.
- Blauvelt, Frederic D., Montclair, N. J. Plumber's trap. Des. 76,217; Sept. 4.
- Blauvelt, George A., Springfield, Ill. Automobile headlight-control switch. 1,667,965; May 1.
- Blauvelt, William G., New York, N. Y., assignor to American Telephone and Telegraph Company. Trunking system. 1,666,988; Apr. 24.
- Blauvelt, William G., New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone-exchange system. 1,681,215; Aug. 21.
- Blaw, Jacob B., deceased, Atlantic City, N. J.; S. H. Blaw, executrix. Portable fire-nozzle support. 1,667,342; Apr. 24.
- Blaw, Jacob B., deceased; S. H. Blaw, executrix, Atlantic City, N. J. Interior-wall construction. 1,693,572; Nov. 27.
- Blaw-Knox Company. (See Boyrie, Harry E., assignor.)
- Blaw-Knox Company. (See Bradshaw, Grant D., assignor.)
- Blaw-Knox Company. (See de Fries, Walter, assignor.)
- Blaw-Knox Company. (See Marshall, Ira W., assignor.)
- Blaw-Knox Company. (See Rawley, Wayne, assignor.)
- Blaw-Knox Company. (See Robin, P. T., and Venable, assignors.)
- Blaw-Knox Company. (See Shipman, William P., assignor.)
- Blaw-Knox Company. (See Sloan, Alonzo H., assignor.)
- Blaw-Knox Company. (See Venable, William M., assignor.)
- Blaw, Sadie H., executrix. (See Blaw, Jacob B.)
- Blazer, Clyde P., Nehalem, Oreg. Jelly-bag holder. 1,664,658; Apr. 3.
- Bleck, Herman, Hammond, Ind. Animal trap. 1,686,432; Oct. 2.
- Blecke, Fred, Luckey, Ohio. Ensilage harvester. 1,665,401; Apr. 10.
- Blecker, William M., assignor to E. A. Langenbach, Canton, Ohio. Continuous-sheet-rolling apparatus. 1,667,412; Apr. 24.
- Blecker, William M., assignor to E. A. Langenbach, Canton, Ohio. Continuous-sheet-rolling method. 1,667,413; Apr. 24.
- Blecker, William M., assignor to E. A. Langenbach, Canton, Ohio. Doubler. 1,671,221; May 29.
- Bleeker, George W., et al., trustees. (See Pendleton, Pyam L., assignor.)
- Bleeker, Warren F., Boulder, Colo. Producing an impervious chemical material. 1,660,371; Feb. 28.
- Bleeker, Warren F., Boulder, Colo. Impervious chemical material and its production. 1,686,197; Oct. 2.
- Bleeker, Warren F., Boulder, Colo. Impervious material. 1,694,730; Dec. 11.
- Bleitner, Eduard. (See Hartmann, O. H., and Bleitner.)
- Blenko, Walter J. (See Shields, P. W., and Blenko.)
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. Des. 77,216; Dec. 18.
- Blesie, Rudolf R., Renwick, Iowa. Ventilator. 1,658,663; Feb. 7.
- Blessing, John G., Oak Forest, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Punching die. 1,678,319; July 24.
- Blessman, Charles, jr., assignor to The Reel Novelty Mfg. Co., Toledo, Ohio. Reel for conducting cords. 1,693,884; Dec. 4.
- Bletcher, Ralph E. (See Bucknell, E. H., and Bletcher.)
- Bletcher, Ralph E., and E. H. Bucknell, Los Angeles, Calif. Escutcheon. Des. 76,452; Oct. 2.
- Bleuel, William H., Detroit, Mich. Spring-forming machine. 1,676,598; July 10.
- Blevins, Thomas B., and J. C. Phillips, Long Beach, Calif. Auto signal device. 1,694,616; Dec. 11.
- Blewett, Joseph A., Philadelphia, Pa. Watch charm or similar article. Des. 75,824; July 24.
- Blewett, Stephen N. (See Buchenan, L. W., and Blewett.)
- Blickman, Harry, et al. (See Wray, C. F., and Blickman, assignors.)
- Blickman, Manuel, et al. (See Wray, C. F., and Blickman, assignors.)
- Blickman, Saul, et al. (See Wray, C. F., and Blickman, assignors.)
- Blieberger, Charles, New York, N. Y. Acoustic diaphragm. 1,696,565; Dec. 25.
- Blieberger, Charles, assignor of forty-five per cent to A. A. Thomas, New York, N. Y. Apparatus for recording and reproducing sound. 1,681,721; Aug. 21.
- Blier, Morris T., Brooklyn, N. Y. Cigar lighter. 1,658,474; Feb. 7.
- Blincoe, Felix H., Long Beach, assignor of one-fourth to G. M. Peterson, Los Angeles, Calif. Stem-gripping pruning shears. 1,666,253; Apr. 17.
- Blincoe, Joseph E., Wolverhampton, England. Barrel, drum, cask, or the like. 1,691,753; Nov. 13.
- Blinn, Joseph S., New Haven, Conn. Bottle stopper. 1,659,679; Feb. 21.
- Blish, Russell A., and S. J. Poplawski, assignors to Arnold Electric Company, Racine, Wis. Drink mixer. 1,669,689; May 15.
- Bliss Brothers Company. (See Wendelstein, Carl M., assignor.)
- Bliss, Chester T., Melrose Highlands, assignor to Chetlaw Manufacturing Company, Malden, Mass. Electrical Christmas candles. 1,677,998; July 24.
- Bliss Containers, Inc. (See Bliss, Herbert R., assignor.)
- Bliss, Donald M., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Electric-motor control. 1,681,459; Aug. 21.
- Bliss, Donald M., assignor to Bodine Electric Company, Chicago, Ill. Alternating-current commutator motor. 1,683,601; Sept. 11.
- Bliss, Donald M., assignor to Bodine Electric Company, Company. Control system. 1,684,256; Sept. 11.
- Bliss, E. W., Company. (See Beyer, Otto S., assignor.)
- Bliss, E. W., Company. (See Dieter, William, assignor.)
- Bliss, E. W., Company. (See Gueritey, Charles, assignor.)
- Bliss, E. W., Company. (See Kruse, Peter, assignor.)
- Bliss, E. W., Company. (See Strout, Robert W., assignor.)
- Bliss, E. W., Company. (See Towne, Walter M., assignor.)
- Bliss, Edwin L. R., Pittsfield, Mass., assignor to General Electric Company. Valve structure. 1,669,119; May 8.
- Bliss, Elmer F., Schneetady, N. Y., assignor to General Electric Company. Remote-control system. 1,689,516; Oct. 30.
- Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Foot-measuring device for fitting shoes. 1,666,040; Apr. 10.
- Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Display sign. 1,696,878; Dec. 25.
- Bliss, H. R., Company. (See Bliss, Herbert R., assignor.)
- Bliss, Harry H., deceased, and K. Porter, Royal Oak, Mich.; O. M. Bliss, administratrix. Door opener and closer. 1,692,541; Nov. 20.
- Bliss, Herbert R., assignor to Bliss Containers, Inc., Niagara Falls, N. Y. Suit box. 1,680,932; Aug. 14.
- Bliss, Herbert R., assignor to H. R. Bliss Company, Inc., Niagara Falls, N. Y. Sealing shipping cases. 1,687,747; Oct. 16.
- Bliss, Louis W., Paterson, N. J. Producing printed pictures in colors. 1,681,927; Aug. 28.
- Bliss, Olive M., administratrix. (See Bliss, H. H., and Porter.)
- Bliss, Robert H., Syracuse, N. Y. Window. 1,661,162; Mar. 6.
- Bliss, Sherwood C., Kenmore, N. Y. Ramming machine. 1,675,088; June 26.
- Bliziotis, George E., assignor to Consolidated Research Laboratories, Inc., Newark, N. J. Electric condenser and manufacture. 1,682,031; Aug. 28.
- Bliziotis, George E., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Microphone system. 1,684,053; Sept. 11.

- Bloch, L. D., & Company. (See Simon, William J., assignor.)
- Bloch, Leon. (See Richards, P. R., and Bloch.)
- Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. Four-way diverter valve. Re17,034; July 17.
- Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. Valve construction. 1,665,436; Apr. 10.
- Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. Valve-actuating device. 1,669,650; May 15.
- Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. Self-closing basin cock. 1,669,651; May 15.
- Bloch, Leon, assignor to The Republic Brass Company, Cleveland, Ohio. Combined mixing and delivery valve for bath fixtures. 1,690,767; Nov. 6.
- Bloch, Leonard L., New York, N. Y. Meat-slicing machine. 1,688,573; Oct. 23.
- Blocher, Solomon L., Birmingham, Ala. Boiler. 1,669,321; May 8.
- Block, Alexander E., St. Louis, Mo. Shoe and making same. 1,693,218; Nov. 27.
- Block, Joseph. (See Dam, Henry M. R., assignor.)
- Block, Leslie W., Webster Groves, Mo. Hinge. 1,683,814; Sept. 11.
- Block, Leslie W., Webster Groves, Mo. Shingle. 1,690,396; Nov. 6.
- Block, Louis D. (See Van Ness, Frank E. and F. H., assignors.)
- Block, Maurice, assignor to Block Porteller Company, Chicago, Ill. Lighting fixtures. Des. 74,715; Mar. 20.
- Block, Maurice, assignor to Block Porteller Company, Chicago, Ill. Lighting fixtures. Des. 74,716; Mar. 20.
- Block, Monroe, & Co. (See Shawcross, William A., assignor.)
- Block Porteller Company. (See Block, Maurice, assignor.)
- Blocker, Samuel J., Dallas, Tex. Animated sign. 1,678,320; July 24.
- Blode, William O., and L. J. Haming, Louisville, Ky. 1,694,963; Dec. 11.
- Blodgett, Edward C., Kirksville, Mo. Article support. 1,690,711; Nov. 6.
- Blodgett, Herbert C., Kalamazoo, Mich., assignor to Door Control Company, Hartford City, Ind. Automatic electric door control. 1,677,129; July 17.
- Blodgett, Juan J., East Thetford, Vt. Weight-indicating means for mechanical and other milkers. 1,669,894; May 15.
- Blodgett, Sherwood B., Atlanta, Ga. Magic card-elevating apparatus. 1,668,263; May 1.
- Blo-Dry Incorporated. (See Lum, Walter O., assignor.)
- Bloemsma, Bernard J., Wayne, Mich. Tongs. 1,694,525; Dec. 11.
- Blohm, George A. (See Corlew, C. M., and Blohm.)
- Blois, Félix, Paris, France. Apparatus for the enlarging of rings. 1,662,631; Mar. 13.
- Blom, Hjalmar T., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve shield. 1,692,265; Nov. 20.
- Blombery, George F., Lane Cove, near Sydney, New South Wales, Australia. Manufacture of paper, paper board, building boards, roofing and flooring sheets and cloths, and the like. 1,675,244; June 26.
- Blomgren, Henry E., Brooklyn, N. Y. Spring-shackle anti-rattle attachment. 1,684,724; Sept. 18.
- Blomgren, Henry E., Brooklyn, N. Y. Spring-shackle anti-rattle attachment. 1,688,682; Oct. 23.
- Blomquist, August E. R., Cleveland Heights, Ohio. Manicuring implement. 1,682,475; Aug. 28.
- Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Loading block for assembling half bearings for machining. 1,661,163; Mar. 6.
- Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Holding block for broaching half bearings. 1,685,224; Sept. 25.
- Blomstrom, Lowell C., assignor to Federal Mogul Corporation, Detroit, Mich. Apparatus for holding half bearings in position for machining. 1,686,198; Oct. 2.
- Blondo, George, St. Paul, Minn. Antiskid device. 1,671,885; May 29.
- Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear-hobbing machine. 1,660,910; Feb. 28.
- Blood, Burr B., assignor to K. MacKenzie, Chicago, Ill. Collapsible pail. 1,670,709; May 22.
- Blood, Edwin J., Chicago, Ill. Cannon. 1,696,339; Dec. 25.
- Blood, Harold L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Thread-forming mechanism. 1,696,225; Dec. 25.
- Blood, Harold L., North Plainfield, and R. C. Deale, Plainfield, N. J., assignors to Niles-Cement-Pond Company, New York, N. Y. Control system. 1,656,313; Jan. 17.
- Blood, Howard E., Detroit, Mich., assignor, by mesne assignments, to Johnson Automobile Lock Company, St. Louis, Mo. Transmission lock. 1,669,924; May 15.
- Blood Lewis H. (See Nuhn, H., and Blood.)
- Bloodhart, John W., assignor to Midland Chemical Laboratories, Inc., Dubuque, Iowa. Liquid-soap dispenser. Des. 75,205; May 22.
- Bloodhart, John W., assignor to Midland Chemical Laboratories, Inc., Dubuque, Iowa. Liquid-soap dispenser. Des. 76,117; Aug. 21.
- Bloodhart, John W., assignor to Midland Chemical Laboratories, Inc., Dubuque, Iowa. Liquid dispenser. 1,676,851; July 10.
- Bloom, Benjamin L., assignor to Collins Supply and Equipment Company, Scranton, Pa. Spinning-ring holder. 1,663,620; Mar. 27.
- Bloom, Carl G., assignor of one-half to C. M. Minardo, Detroit, Mich. Rim lock. 1,678,550; July 24.
- Bloom, David, Berkeley, Calif. Jar closure. 1,675,920; July 3.
- Bloom, Edgar J., Tiffin, Ohio. Golf-green cup. 1,675,089; June 26.
- Bloom, John S., Independence, Iowa. Corn cutter and making the same. 1,659,424; Feb. 14.
- Bloom, Julius, West Bronx, N. Y. Wave setter for hair-dressing purposes. 1,675,839; July 3.
- Bloom, Louis, and G. A. Cohan, assignors to Grip-Lite Manufacturing Company, Inc., New York, N. Y. Portable garage light. 1,680,723; Aug. 14.
- Bloom, Marcus, assignor to Icy-O Metal Products Company, Incorporated, Charlotte, N. C. Dispensing cabinet. 1,671,886; May 29.
- Bloom, Nathan P., Louisville, Ky. Cabinet for a sound-reproducing instrument or the like. Des. 75,608; June 26.
- Bloom, Nathan P., Louisville, Ky. Cabinet for a sound-reproducing instrument or the like. Des. 76,370; Sept. 25.
- Bloom, Samuel C., Chicago, Ill. Refrigerating coil. 1,684,083; Sept. 11.
- Bloom, Samuel S., New York, N. Y. Campaign button or the like. Des. 76,851; Nov. 13.
- Bloomberg, Casper, New York, N. Y., assignor to Pioneer Suspender Company, Garter. 1,672,599; June 5.
- Bloomer, Charles G., Cranston, and H. F. Sands, Providence, R. I. Window ventilator. 1,685,902; Oct. 2.
- Bloomfield, George T., Orillia, Ontario, Canada. Combined folding rule, bevel, and square. 1,674,882; June 26.
- Bloomfield, Grover. (See Woodruff, J. C., Bloomfield, and Bannister.)
- Bloomfield, Grover, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Zinc oxide catalysts. 1,668,838; May 8.
- Bloser, Parker Z., assignor to The Zaner-Bloser Company, Columbus, Ohio. Penholder. Des. 75,772; July 17.
- Bloss, Richard R., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Wheel for drilling-rig structures. 1,694,350; Dec. 4.
- Bloss, Richard R., assignor to The International Derrick & Equipment Company, Columbus, Ohio. Bull-wheel structure. 1,696,664; Dec. 25.
- Bloss, Richard R., and R. C. Pfeil, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Crown-block bearing. 1,659,989; Feb. 21.
- Bloss, Richard R., H. T. Strout, and H. R. Ansel, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Metal sheeting. 1,659,988; Feb. 21.
- Bloss, Richard R., R. C. Pfeil, and E. B. Maurer, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Sand-reel structure. 1,662,775; Mar. 13.
- Blossom, Carl W., and E. C. Peterson, assignors to The Blossom Lock Company, Cleveland, Ohio. Automobile locking mechanism. 1,674,315; June 19.
- Blossom Lock Company, The. (See Blossom, C. W., and Peterson, assignors.)
- Blouin, Stephen F., assignor of one-third to J. M. Fabre and one-third to A. O. Minks, Baton Rouge, La. Tank-washing machine. 1,657,990; Jan. 31.
- Blount, Harry, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire-drawing-die guard. 1,691,043; Nov. 13.
- Blount Plow Works. (See Phelps, Spencer H., assignor.)
- Blow, Cargill, Winter Haven, Fla. Doorstop. Des. 77,051; Dec. 4.
- Bloxham, Arthur, Contrealt, Quebec, Canada. Roof flashing. 1,666,231; Apr. 17.
- Bloxham, Ralph H., assignor to Chicago Steel Foundry Company, Chicago, Ill. Track liner. 1,662,996; Mar. 20.
- Blue, Charles J. (See Sandin, Arthur L., assignor.)
- Bluehorn, William R., Hartford, Conn. Muzzle attachment for guns. 1,667,186; Apr. 24.
- Bluemel, Gustave, assignor of one-half to Drying Systems, Inc., Chicago, Ill. Conveyor. 1,672,843; June 5.
- Bluemel, Gustave, assignor of one-half to Drying Systems, Inc., Chicago, Ill. Furnace for producing and diluting products of combustion. 1,676,070; July 3.
- Bluhm, Alexandre, assignor to Societe Anonyme Francaise Du "Ferodo," Paris, France. Facing member for brakes and the like. 1,682,319; Aug. 29.
- Bluine Company. (See Tarr, Gardner W., assignor.)
- Blum, Carl K., Brooklyn, N. Y. Packing case. 1,662,100; Mar. 13.
- Blum, Edward, Jr., and W. Chicago, Ill. Photographic transfer. 1,662,632; Mar. 13.
- Blum, Harold T., Glenmont, Ohio. Head covering. 1,683,233; Sept. 4.
- Blum, Harold T., Glenmont, Ohio. Sweatband for head coverings. 1,683,234; Sept. 4.

- Blum, Harold T., Glenmont, Ohio. Sweatband for head coverings. 1,683,326; Sept. 4.
- Blum, Henry L. (See Ingram, Walter M., assignor.)
- Blum, William. (See Blum, Edward, jr., and W.)
- Blumberg, Harry, and M. A. Mikesb, assignors to A. O. Smith Corporation, Milwaukee, Wis. Production of pine couplings by centrifugal casting. 1,678,931; July 31.
- Blumberg, Ralph, Baltimore, Md. Emergency apparatus for damaged ships. 1,660,114; Feb. 21.
- Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. System of distribution. 1,696,591; Dec. 25.
- Blumenauer, Henry P. (See Brisse, F. D., Blumenauer, and Meyer.)
- Blumenberg, Henry, jr., Moapa, Nev., assignor to A. M. Buley, Los Angeles, Calif. Cracking minefetal crude oils. 1,673,491; June 12.
- Blumenberg, Henry, jr., Los Angeles, Calif. Mining boron compounds. 1,696,075; Dec. 18.
- Blumenfeld, Edward G., Brooklyn, N. Y., assignor to La Salle Brass & Bronze Works, Inc. Console table. Des. 76,453; Oct. 2.
- Blumenfeld, Edward G., Brooklyn, N. Y., assignor to La Salle Brass & Bronze Works, Inc. Mirror or similar article. Des. 76,770; Nov. 6.
- Blumenfeld, Joseph, London, England, assignor, by mesne assignments, to Commercial Pigments Corporation. Titanium pigment. Re16,956; May 8.
- Blumenthal, Daniel W. (See Cohn, Hiram, assignor.)
- Blumenthal, Ella, New York, N. Y. Sanitary paper headgear. 1,659,425; Feb. 14.
- Blumenthal, Samuel J., Brooklyn, N. Y. Sleeve-valve engine. 1,671,271; May 29.
- Blumenthal, Sidney, & Co. Inc. (See Gowans, James, assignor.)
- Blumenthal, William, Philadelphia, Pa. Coat shield. 1,664,449; Apr. 3.
- Blumer, Heinrich, Zurich, Switzerland. Three-axled motor vehicle. 1,679,805; Aug. 7.
- Blumfeldt, Alexander, and H. Kaegi, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. 1,654,856; Jan. 3.
- Blunt, James G., Schenectady, N. Y. Truck for locomotive engines. 1,657,777; Jan. 31.
- Blunt, James G., Schenectady, N. Y. Locomotive-frame cross-tie and link support. 1,657,778; Jan. 31.
- Blunt, James G., Schenectady, N. Y. Locomotive-cab turret. 1,658,964; Feb. 14.
- Blunt, James G., Schenectady, N. Y. Truck for railway vehicles. 1,674,632; June 26.
- Blunt, James G., Schenectady, N. Y. Truck for locomotive engines. 1,678,321; July 24.
- Blunt, James G., Schenectady, N. Y. Four-wheel truck for railroad vehicles. 1,678,322; July 24.
- Blunt, James G., Schenectady, N. Y. Truck for railroad vehicles. 1,679,151; July 31.
- Blunt, James G., Schenectady, N. Y. Locomotive-driving-box cellar. 1,684,213; Sept. 11.
- Blunt, James G., Schenectady, N. Y. Locomotive driving box. 1,685,212; Sept. 25.
- Blunt, James G., Schenectady, N. Y. Lateral-motion device for locomotive driving boxes. 1,692,616; Nov. 20.
- Blunt, James G., Schenectady, N. Y. Variable-exhaust nozzle. 1,693,219; Nov. 27.
- Bly, Edwin P., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Pneumatic pipe-cleaning machine. 1,657,779; Jan. 31.
- Bly, Gifford D., Toronto, Ontario, Canada. Bottle-filling device. 1,690,470; Nov. 6.
- Blye Paul W. (See McCurdy, R. G., and Blye.)
- Blystone Manufacturing Company. (See Goldston, David C., assignor.)
- Blyth, John M., Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Picture folder and easel. 1,689,895; May 15.
- Board, E. E., et al. (See Cronenberger, F., and Noyes, assignors.)
- Board, Ernest E., White Lake, S. Dak. Punctureproof composition for pneumatic tires. 1,690,051; Oct. 30.
- Boardman, Charles H., Columbus, Ohio. Vehicle for children. 1,677,017; July 10.
- Boardman, David W., Los Angeles, Calif. Ladder. 1,684,123; Sept. 11.
- Boardman, Leslie. (See Alnsworth, H. W., Likely, and Boardman.)
- Boast, William F., Casper, Wyo. Rule. 1,663,190; Mar. 20.
- Boatright, Lenore, Sausalito, Calif. Jar or similar container. Des. 74,717; Mar. 20.
- Boatright, Lenore, Sausalito, Calif. Radiator cap. Des. 74,912; Apr. 17.
- Boatwright, Jim A., Thomson, Ga. Display hanger. 1,687,423; Oct. 9.
- Boax, John J., McKeesport, Pa., assignor to National Tube to National Tube Company, Pittsburgh, Pa. Radial multiple-spindle drill. 1,677,999; July 24.
- Boax, John J., McKeesport, and B. S. Robinoff, assignors Company. Adjustable die holder. 1,678,000; July 24.
- Bob, Charles V. (See McRae, Randolph J., assignor.)
- Bobb, Raymond C., et al. (See Loescher, Frederick E., assignor.)
- Bobbitt, Ralph D., Norfolk, Va. Crown bearing. 1,677,071; July 10.
- Bobbs, Arthur L., Chappaqua, assignor to Kenneth N. Woodward, trustee, Chappaqua, New Castle, N. Y. Building construction. 1,684,387; Sept. 18.
- Boca, Joseph, Flint, assignor to General Motors Corporation, Detroit, Mich. Door. 1,675,633; July 3.
- Boch, Louise H., New York, N. Y. Kit bag. 1,681,922; Aug. 28.
- Bocinny, J. A. (See Pagenhart, Benjamin F., assignor.)
- Bock, Alfred C. O. (See Glass, C. F., Bock, and Milligan.)
- Bock Laundry Machine Company, The. (See Bock, William E., assignor.)
- Bock, Leon, assignor to Selikoff and Schapiro, Inc., New York, N. Y. Ring setting. Des. 74,210; Jan. 10.
- Bock, Max M., Hamburg Germany. Planet gear. 1,681,694; Aug. 21.
- Bock, Walther, Berlin-Schöneberg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Synchronizing two or more rotating bodies. 1,688,916; Oct. 23.
- Bock, Wilhelm, Passaic, N. J. Thermoelectric stress meter. 1,680,589; Aug. 14.
- Bock, Wilhelm, Lansdale, Pa. Differential drying machine. 1,686,597; Oct. 9.
- Bock, William E., Eagle Point Colony, assignor, by mesne assignments, to The Bock Laundry Machine Company, Toledo, Ohio. Centrifugal machine. 1,671,397; May 29.
- Bock, William E., Eagle Point Colony, assignor, by mesne assignments, to The Bock Laundry Machine Company, Toledo, Ohio. Centrifugal machine. 1,692,804; Nov. 27.
- Bockhoff, Harry W. (See Sterling, R. E., Bockhoff, and Hopkins.)
- Bockhoff, Harry W., assignor to The National Automatic Tool Company, Richmond, Ind. Combined spindle and drill bushing plate. 1,660,372; Feb. 28.
- Bockhoff, William F., assignor to The National Automatic Tool Company, Richmond, Ind. Successive pulley drive for drilling machines. 1,693,018; Nov. 27.
- Bockius, George H., assignor to Diebold Safe & Lock Company, Canton, Ohio. Auxiliary lock. 1,695,136; Dec. 11.
- Bockmühl, Max, R. Schwabe, and G. Ehrhart, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Soporifics containing at least one alkyl group. 1,682,062; Aug. 28.
- Bockmühl, Max, and G. Ehrhart, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Producing alkylated aliphatic nitriles. 1,690,325; Nov. 6.
- Bockmühl, Max, Hochst-on-the-Main, and A. Schwarz, Frankfurt-on-the-Main, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Therapeutically-active aromatic compound containing mercury in a lateral chain and making the same. 1,693,432; Nov. 27.
- Bockstadter, John H., Hastings, Nebr. Garden implement. 1,679,806; Aug. 7.
- Boda, Joseph E., Dixon, Ill., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Wheeled plow. 1,659,234; Feb. 14.
- Boda, Joseph E., Dixon, Ill., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Lever and quadrant mechanism. 1,659,235; Feb. 14.
- Boda, Joseph E., Dixon, Ill., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Land-tilling implement. 1,670,838; May 22.
- Boda, Joseph E., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Power-lift plow. 1,669,037; May 8.
- Boda, Joseph E., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Universal agricultural implement. 1,683,018; Sept. 4.
- Boda, Joseph E., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Universal agricultural implement. 1,683,019; Sept. 4.
- Bodde, Theodore, Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,659,188; Feb. 14.
- Bodde, Theodore, Lewiston, N. Y. Electrical sound-producing apparatus. 1,660,321; Feb. 28.
- Boddie, Clarence A. (See Bradshaw, W. M., and Boddie.)
- Boddie, Clarence A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,657,492; Jan. 31.
- Boddie, Clarence A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carrier-wave telephone system. 1,665,904; Apr. 10.
- Boddie, Clarence A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carrier-wave telephone system. 1,673,548; June 12.
- Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Water-wheel regulator. 1,671,463; May 29.
- Bode, Peter J., St. Louis, Mo. Fishing tackle. 1,696,026; Dec. 18.
- Bode, Robert R., Honolulu, Hawaii. Repair attachment for piano hammer heads. 1,672,297; June 5.
- Boden, George, and G. A. King, Watervury, Conn. Double-pointed pin fastener. Re17,100; Oct. 9.
- Boden, George, and G. A. King, assignors to Scovill Manufacturing Company, Watervury, Conn. Hinged pin fastener. 1,691,880; Nov. 13.

- Boden, George, G. A. King, and L. B. Chapman, assignors to Scovill Manufacturing Company, Waterbury, Conn. Double-pointed pin fastener. Re17,099; Oct. 9.
- Bodendieck, Henry W. (See Tipsord, M. T., and Bodendieck.)
- Bodenhofer, Fanny, New York, N. Y. Window cleaner. 1,662,038; Mar. 6.
- Bodie, William P., Goldville, S. C. Let-off for looms. 1,659,236; Feb. 14.
- Bodine Electric Company. (See Bliss, Donald M., assignor.)
- Bodine, Theodore A., Erie, Pa. Dental face bow. 1,674,088; June 19.
- Bodker, Albert J., Ponchatoula, La. Rotary internal-combustion engine. 1,661,593; Mar. 6.
- Bodkin, John A., New York, N. Y. Screw-spike liner. 1,655,808; Jan. 10.
- Bodle, Virgil H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Shoe-pressing device. 1,657,296; Jan. 24.
- Bodle, Virgil H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for manipulating fasteners and tabs therefor. 1,667,527; Apr. 24.
- Bodle, Virgil H., and F. C. Francisco, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Lasting machine. 1,687,824; Oct. 16.
- Bodmer, Albert, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Permanent-finish vegetable material and producing same. 1,666,082; Apr. 17.
- Bodmer, Albert, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Vegetable yarn and fabric with woollike effects. 1,666,083; Apr. 17.
- Bodmer, Albert, assignor to Heberlein & Co. A. G., Wattwil, Switzerland. Fabric making. 1,688,798; Oct. 23.
- Bodmer, Albert, assignor to Heberlein & Co. A. G., Wattwil, Switzerland. Fabric making. 1,688,799; Oct. 23.
- Bodmer, Albert, assignor to Heberlein & Co. A. G., Wattwil, Switzerland. Dyeing. 1,694,526; Dec. 11.
- Bodor, Andrew, Irvington, N. J., assignor, by mesne assignments, to Reinforced Paper Bottle Corporation, New York, N. Y. Apparatus for making paper bottles. 1,660,411; Feb. 28.
- Bodwell, Paul D., and H. W. Bellows, assignors to Decca Disc Phonograph Company, Waynesboro, Pa. Record holder for talking machines. 1,683,440; Sept. 4.
- Body, Frank, Toronto, Ontario, Canada. Valve-spring lifter. 1,657,194; Jan. 24.
- Body, James L., assignor of one-fourth to A. L. Bushell, Norwich, Ontario, Canada. 1,671,009; May 22.
- Boe, Endre A., Watford City, N. Dak. Cutter guard and ledger plate. 1,675,634; July 3.
- Boe, Hans M., Minneapolis, Minn. Combined dispensing and display stand. Des. 74,349; Feb. 7.
- Boe, Hans M., assignor to Boe Manufacturing Company, Minneapolis, Minn. Oil-display device. 1,691,333; Nov. 13.
- Boe, Hans M., assignor to Boe Manufacturing Company, Minneapolis, Minn. Oil-display device. 1,693,019; Nov. 27.
- Boe, Harry F. (See Hazard, G. E., and Boe.)
- Boe, Helmer J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Housing. 1,654,524; Jan. 3.
- Boe, Kathleen, St. Louis, Mo. Score card. Des. 76,601; Oct. 16.
- Boe Manufacturing Company. (See Boe, Hans M., assignor.)
- Boeck, Peter M., Grand Haven, assignor, by mesne assignments, to J. R. M. Knudsen, Muskegon, Mich. Metal window. 1,662,453; Mar. 13.
- Boecklen, William J., New York, N. Y. Hair-waving pad. 1,656,136; Jan. 10.
- Boedeker, Anthony, Cincinnati, and J. S. Wentworth, Norwood, assignors to Grandtone Radio Corporation, Cincinnati, Ohio. Radio receiving set. 1,670,951; May 22.
- Boegehold, Alfred L., assignor to General Motors Research Corporation, Detroit, Mich. Heat-resisting alloy. 1,680,007; Aug. 7.
- Boegel, Albert M. (See Braun, Harry L., assignor.)
- Boehland, Paul, Milwaukee, Wis. Christmas-tree ornament. Des. 75,206; May 22.
- Boehland, Paul, Milwaukee, Wis. Christmas-tree ornament. 1,690,397; Nov. 6.
- Boehlor, Frank J., Kalamazoo, Mich. Weather strip. 1,675,020; June 26.
- Boehm, Albert J., Princeton, Minn. Wire splicer. 1,665,525; Apr. 10.
- Boehm, Christian C., Rochester, N. Y. Illuminating attachment for surgical instruments. 1,654,634; Jan. 3.
- Boehm, Edward, Duluth, Minn. Baby walker. Des. 75,715; July 10.
- Boehme, Frances, assignor to Estella Lipman, Chicago, Ill. Garment. 1,659,803; Feb. 21.
- Boehme, Otto F., Dover, N. J. Stocking. 1,665,946; Apr. 10.
- Boehringer, C. F., and Soehne G. m. b. H. (See Rothmann, A., and Hilleken, assignors.)
- Boehringer, C. H., Sohn Chemische Fabrik. (See Häusler, Alfred, assignor.)
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Shade holder or similar article. Des. 74,539; Feb. 28.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket plate or similar article. Des. 74,819; Apr. 3.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Arm for an electric wall bracket plate or similar article. Des. 74,820; Apr. 3.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 74,821; Apr. 3.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Body frame for lighting fixtures or similar articles. Des. 74,913; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Canopy for electric-lighting fixtures or similar articles. Des. 74,914; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 74,915; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket plate or similar article. Des. 74,916; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 74,917; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket plate or similar article. Des. 74,918; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 74,919; Apr. 17.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket plate or similar article. Des. 74,920; Apr. 17.
- Boehringer, John A., Springfield, N. Y., assignor to Star Chandelier Co., Inc. Shade for a lighting fixture or a similar article. Des. 75,095; May 8.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Combined strap and arm for lighting fixtures or similar articles. Des. 75,207; May 22.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall-bracket plate or similar article. Des. 75,543; June 19.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Strap for lighting fixtures or similar articles. Des. 75,609; June 26.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Front plate for an electric wall bracket or similar article. Des. 75,894; July 31.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket or similar article. Des. 75,895; July 31.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Chandelier or similar article. Des. 75,896; July 31.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Combined strap and arm for lighting fixtures or similar articles. Des. 75,897; July 31.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Electric wall bracket or similar article. Des. 75,898; July 31.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Hanging lighting fixture. Des. 76,118; Aug. 21.
- Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Ceiling Plate for Lighting Fixtures or Similar Articles. Des. 76,371; Sept. 25.
- Boeing Airplane Company. (See Campbell, Edward S., assignor.)
- Boeing Airplane Company. (See Haase, H. H., and Arnold, assignors.)
- Boeing Airplane Company. (See Haberlin, John F., assignor.)
- Boeing Airplane Company. (See Monteith, Charles N., assignor.)
- Boeing Airplane Company. (See Sanders, John C., assignor.)
- Boelkow, Frederic E., and F. W. O. Listing, assignors to Durable Floor Corporation, Milwaukee, Wis. Elastic composition floor. Re17,010; June 26.
- Boelter, Richard, and E. Bartz, Berlin, Germany, assignors to General Electric Company. Snap-switch movement. 1,684,257; Sept. 11.
- Boenig, Joseph, Decatur, Ill. Fruit picker. 1,670,796; May 22.
- Boeniger, Melchior, assignor to Chemical Works, formerly Sandoz, Basel, Switzerland. Diazotizable azodyestuffs. 1,686,947; Oct. 9.
- Boening, Joseph, Scott, Saskatchewan, Canada. Folding tennis racket. 1,673,614; June 12.
- Boeppler, Louis, Oakland, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Lock for folding boxes. 1,682,165; Aug. 28.
- Boes, George F., La Fayette, Ind. Building tile. 1,670,095; May 15.
- Boesch Lamp Company. (See Savery, Edwin, assignor.)
- Boese, Edward H., Villa Park, Ill., assignor to Chicago Portrait Company, Chicago, Ill. Picture frame. Des. 74,654; Mar. 13.
- Boese, John L., Fond du Lac, Wis. Fruit-picking implement. 1,664,240; Mar. 27.

- Boessneck, Ernst, Gesellschaft mit beschränkter Haftung. (See Lieberknecht, Paul, assignor.)
- Boettcher, Gustav A., assignor to Multi-Needle Engineering Corporation, Jamaica, N. Y. Mechanical movement and regulating device. 1,683,650; Sept. 11.
- Boettge, Charles C., assignor to Berlin Tanning and Manufacturing Company, Berlin, Wis. Headgear. 1,655,007; Jan. 3.
- Boettger, Bernhard A., Denison, Iowa. Extension carrier for truck bodies. 1,655,308; Jan. 3.
- Boeye, Paul F., St. Paul, Minn., assignor to Waldorf Paper Products Company. Constructing shipping cases. 1,684,725; Sept. 18.
- Bogaerts, Hubert, Berlin-Halensee, Germany. Producing oil paintings. 1,660,593; Feb. 28.
- Bogardus, Arthur G., assignor to Universal Oil Products Company, Chicago, Ill. Condenser. 1,674,850; June 26.
- Bogart, William C., Los Angeles, Calif. Trolling head. 1,688,110; Oct. 16.
- Bogaskie, Frank, Johnstown, N. Y. Safety envelope. 1,673,038; Jun. 12.
- Bogdanovich, Andrew M., Portland, Oreg. Submarine lifeboat. 1,655,645; Jan. 10.
- Bogdonawich, Joseph A., Ringtown, Pa. Vegetable cutter. 1,677,543; July 17.
- Boger, Heber. (See Middleton, Ernest G., assignor.)
- Boggs, Atwood L., Stoughton, Mass. Dispensing apparatus. 1,684,258; Sept. 11.
- Boggs, Guy E. (See McElroy, David W., assignor.)
- Boggs, Guy E., Kaufman, Tex. Cotton-picking machine. 1,691,148; Nov. 13.
- Boggs, Irvine P., Wheeling, W. Va. Artificial limb. 1,692,975; Nov. 27.
- Boggs, Samuel W., Chevy Chase, Md. Drawing device. 1,692,326; Nov. 20.
- Boggs, William E., and A. F. Davis, assignors to Pelican Well Tool & Supply Company, Shreveport, La. Belt clamp. 1,674,944; June 26.
- Bogin, Charles. (See Gabriel, C. L., and Bogin.)
- Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Purification of butyric aldehyde. Re17,157; Dec. 11.
- Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitrocellulose composition. 1,659,906; Feb. 21.
- Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Dibutyl mesotartrate. 1,659,907; Feb. 21.
- Bogren, Edward C., Portland, Oreg. Waxed-paper container. 1,657,737; Jan. 31.
- Bogue, Robert D., assignor to The Cincinnati Candy Company, Cincinnati, Ohio. Candy stick. 1,668,524; May 1.
- Bogue, Robert D., and H. J. Fromhold, assignors to The Cincinnati Candy Company, Cincinnati, Ohio. Decorating wrapped candy. 1,660,250; Feb. 21.
- Bohannan, Robert S., assignor to H. M. Barrett, Birmingham, Ala. Easer joint. 1,665,906; Apr. 10.
- Bohl, Alexander L., Medford, Oreg. Combined check-book holder and bill fold. 1,679,807; Aug. 7.
- Böhle, Karl, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Manufacturing kettle-shaped hollow bodies. 1,688,111; Oct. 16.
- Böhling, Rudolf H., assignor to the firm Rohrbogenwerk Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Apparatus for straightening the ends of bent pipes. 1,680,008; Aug. 7.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiver. 1,657,145; Jan. 24.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Lighting and ignition switch. 1,684,940; Sept. 18.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,691,375; Nov. 13.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,693,588; Dec. 4.
- Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Distributor. 1,696,340; Dec. 25.
- Bohlman, Ernest A., and J. D. Shannon, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Socket. 1,671,760; May 29.
- Böhm, Georg, Kiel, assignor to Fried. Krupp Germania-werft Aktiengesellschaft, Kiel Gaarden, Germany. Thrust bearing with fluid friction. 1,684,693; Sept. 18.
- Böhm, Georg, Kiel, assignor to Fried. Krupp Germania-werft Aktiengesellschaft, Kiel-Gaarden, Germany. Thrust bearing with fluid friction. 1,688,519; Oct. 23.
- Böhm, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for governing speed of asynchronous motors. 1,681,568; Aug. 21.
- Böhm, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Speed-control means for high-frequency generators. 1,691,222; Nov. 13.
- Böhm, Viktor, Vienna, Austria. Dyeing apparatus for hat bodies. 1,680,115; Feb. 21.
- Böhme, Kurt, Berlin-Siemensstadt, and K. Giese, Nowawes, assignors to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt, near Berlin, Germany. Bank contact for telephone switches. 1,687,121; Oct. 9.
- Bohn Aluminum & Brass Corporation. (See Britt, Fred, assignor.)
- Bohn Aluminum and Brass Corporation. (See Eggenweller, C. W., and Fiegel, assignors.)
- Bohn Aluminum & Brass Corporation. (See Fiegel, William J., assignor.)
- Bohn Aluminum and Brass Corporation. (See Fiegel, W. J., and Enderick, assignors.)
- Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
- Bohn, William J., assignor to Alvey Manufacturing Company, St. Louis, Mo. Conveyer. 1,676,978; July 10.
- Bohne, William A. (See Peirson, C. H., and Bohne.)
- Bohnenblust, Arnold, Riley, Kans. Suction force pump. 1,665,082; Apr. 3.
- Bohner, Clyde C., East Orange, assignor to Tung-Sol Lamp Works, Newark, N. J. Projector lamp for motor vehicles. 1,675,690; July 3.
- Bohner, Clyde C., Maplewood, assignor to Tung-Sol-Lamp Works, Newark, N. J. Manufacturing electric bulbs and bulb blanks for use therein. 1,694,363; Dec. 11.
- Böhner, Georg. (See Unger, O., and Böhner.)
- Bohnhardt, Charles F. H., assignor of one-half to J. R. Baril, Long Beach, Calif. Floating roof and sealing means therefor. 1,666,525; Apr. 17.
- Bohnsack, John A. (See Hauserman, E. F., Mowery, and Bohnsack.)
- Bohnsack, John A., Cleveland Heights, assignor to The E. F. Hauserman Company, Cleveland, Ohio. Floor shim. 1,675,593; July 3.
- Bohr, Frank M., Boston, Mass. Shoe. Des. 74,655; Mar. 13.
- Bohr, Frank M., Boston, Mass. Boot or shoe and manufacturing same. 1,695,225; Dec. 11.
- Boicourt, John L., Fort Worth, Tex. Guide bearing for sucker and pull rods. 1,659,940; Feb. 21.
- Boldin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Making a size or dressing. 1,677,614; July 17.
- Boldin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Prepared starch material and making it. 1,677,615; July 17.
- Boles, Henry A., Middlebury, Vt. Seat back. 1,679,238; July 31.
- Bois, Nathaniel, San Francisco, Calif. Stair structure. 1,673,178; June 12.
- Boiselle, Leland J., assignor to Hydro Electric Mfg. Co., Milwaukee, Wis. Dishwashing machine. 1,655,354; Jan. 3.
- Boisselier, Earl D., assignor to American Flyer Mfg. Co., Chicago, Ill. Window construction for toy cars. 1,693,191; Nov. 27.
- Boisvert, Anthime, Victoriaville, Quebec, Canada. Slicing machine. 1,670,233; May 15.
- Boivin, Napoleon, Berlin, N. H. Paper-towel cabinet. 1,661,357; Mar. 6.
- Bojac Manufacturing Co. (See Batcheller, Hugh W., assignor.)
- Boka, George, San Diego, Calif. Shaving brush. 1,681,836; Aug. 21.
- Boker, Vitus A., Minneapolis, Minn. Thermostat. 1,665,341; Apr. 10.
- Bokum, William F. (See Allen, T. W., and Bokum.)
- Bokum, William F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Weighing feeder. 1,660,249; Feb. 21.
- Bol, Cornelis, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Vacuum pump. 1,664,398; Apr. 3.
- Bol, Cornelis, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 1,695,226; Dec. 11.
- Bold, Frederick W., Chelsea, assignor to C. H. Pearson, Brookline, Mass. Fuse. 1,662,695; Mar. 13.
- Bold, Frederick W., Chelsea, assignor to C. H. Pearson, Brookline, Mass. Time fuse for aerial bombs. 1,681,390; Aug. 21.
- Boldt, Max, Yorktown, Tex. Tractor cultivator. 1,671,507; May 29.
- Boldt, Richard, San Francisco, Calif. Seat for girders and beams. 1,667,619; Apr. 24.
- Bolduc, David J., San Francisco, Calif. Metal hair tube. 1,676,681; July 10.
- Bolens, Harry W. (See Strite, George T., assignor.)
- Bolens, Harry W., Port Washington, Wis. Cultivator. 1,685,903; Oct. 2.
- Bolens, Harry W., G. T. Strite, and C. J. Travers, assignors of one-third to said Bolens, one-third to said Strite, and one-third to said Travers, Fort Washington, Wis. Hoe arrangement. 1,655,044; Jan. 3.
- Boles, Charles W., Amarillo, Tex. Dispensing device. 1,688,609; Oct. 23.
- Boles, Sherman L., San Francisco, Calif. Adjustable head for golf clubs. 1,676,518; July 10.
- Bolger, Thomas P., Gloucester, Mass. Chemical-can rack for ice-cream cabinets. 1,678,763; July 31.
- Bolgiano, Charles W., Washington, D. C. Package-sealing machine. 1,680,009; Aug. 7.
- Bolgiano, John, New York, and W. Reilly, White Plains, N. Y. Propelling means. 1,687,360; Oct. 9.
- Bolick, Charles W., assignor of one-half to G. H. Swift, Draper, N. C. Loom attachment. 1,668,487; May 1.
- Bolinder, Eric A., Stockholm, Sweden. Sawing tool and plane iron. 1,676,071; July 3.

- Bolinder, Erik A., Stockholm, Sweden. Dovetailed stave for barrels and casks. 1,676,319; July 10.
- Bolinders, J. & C. G., Mekaniska Verkstads Aktiebolag. (See de Waern, Bror A., assignor.)
- Bolinger, Ernest E., Emmett, Idaho. Electric water heater. 1,695,227; Dec. 11.
- Bolinger, Harvey L., assignor of one-half to T. W. Noland, Mountain Grove, Mo. Trap nest. 1,688,779; Oct. 23.
- Bollenbach, Willard M. (See Olson, Robert W., assignor.)
- Bollerman, Albert, New York, N. Y. Wire cutter and stripper. 1,685,977; Oct. 2.
- Bolles, William B., Milwaukee, Wis. Fastening device for emergency-exit doors. 1,666,677; Apr. 17.
- Bolling, John E., assignor to Drying Systems, Inc., Chicago, Ill. Thermostat. 1,666,192; Apr. 17.
- Bolling, John E., assignor to Drying Systems, Inc., Chicago, Ill. Valve for controlling oil burners. 1,668,001; May 1.
- Bolling, John E., Chicago, and E. Szekeley, Evanston, assignors of three-fourths to Drying Systems, Inc., Chicago, Ill., and one-fourth to E. Szekeley. Air heater. 1,690,326; Nov. 6.
- Bollinger, Charles, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for performing pressing operations. 1,690,398; Nov. 6.
- Bollinger, William A., Pittsburgh, Pa. Heating apparatus. 1,658,367; Feb. 7.
- Bollmann, August C., St. Louis, Mo., and W. Davies, Granite City, Ill. Plug for electric connections. 1,662,817; Mar. 20.
- Bollmann, Hermann, Hamburg, Germany. Easily-soluble cocoa powder and making same. 1,660,541; Feb. 28.
- Bollmann, Hermann, Hamburg, Germany, assignor, by mesne assignments to M. F. Foster, trustee, Washington, D. C. Purifying phosphatides obtained from oil seeds and the like. 1,667,767; May 1.
- Bollmann, Hermann, Hamburg, Germany, assignor, by mesne assignments, to M. F. Foster, trustee, Washington, D. C. Purifying phosphatides. 1,673,615; June 12.
- Bolotin, Hyman, Chicago, Ill. Wedding ring. Des. 75,407; June 5.
- Bolsinger, Samuel S., Roseburg, Oreg. Electric heating element. 1,680,084; Aug. 7.
- Bolt, James O., Leeds, Ala. Steering device. 1,662,560; Mar. 13.
- Boltersdorf, Josef. (See Seybold, C. and Boltersdorf.)
- Bolton, Andrew C., Miami, Fla. Bias-cutting machine. 1,693,589; Dec. 4.
- Bolton, Myrle S., Rosemeade, Calif. Food product and making the same. 1,687,154; Oct. 9.
- Boltz, Fred S., Mansfield, Mass. Soil water catch basin and heat reclaiming. 1,689,993; Oct. 30.
- Boman, Claes W., Brooklyn, N. Y., and C. Kaiser, Carlstadt, N. J., assignors to Eagle Pencil Company, New York, N. Y. Pencil. 1,683,235; Sept. 4.
- Bommer, Emil, Brooklyn, N. Y. Spring hinge. 1,691,697; Nov. 13.
- Bomze, Jacob. (See Dellaree, F. H., and Bomze.)
- Bonat & Bro. et al. (See Mack, Carl, assignor.)
- Bonat, Harry. (See Bonat, Samuel and H.)
- Bonat, Harry, et al. (See Mack, Carl, assignor.)
- Bonat, Samuel, et al. (See Mack, Carl, assignor.)
- Bonat, Samuel & Bro. (See Lippert, Walter E., assignor.)
- Bonat, Samuel and H., New York, N. Y. Spindle for permanent-hair-waving machines. 1,662,411; Mar. 13.
- Bonavia y Ripoll, Arturo. (See Bonavia y Ripoll, Alberto and A.)
- Bonavia y Ripoll, Alberto and A., Habana, Cuba. Apparatus destined to protect checks and similar documents. 1,663,816; Mar. 27.
- Bond, Alfred J., Auckland, New Zealand. Wheeled-tractor scoop. 1,658,629; Feb. 7.
- Bond, Charles E., Spencerville, Md. Shock absorber. 1,677,949; July 24.
- Bond Foundry & Machine Company. (See Bowen, James, assignor.)
- Bond, John W., Victoria, British Columbia, Canada. Floating sinker. 1,670,184; May 15.
- Bond, John W., Victoria, British Columbia, Canada. Fishing-line attachment. 1,670,185; May 15.
- Bond, Leslie W., Schenectady, N. Y., assignor to General Electric Company. Mechanism for operating electric switches. 1,685,665; Sept. 25.
- Bond, Richard T., Stringtown, Okla. Magazine for air guns. 1,677,810; July 17.
- Bond, Samuel C., Holly Oak, Del. Bottling machine. 1,690,527; Nov. 6.
- Bonds, Albert, Cleveland, Ohio. Apparatus for temperature control. 1,664,965; Apr. 8.
- Bondy Auto Top Company, The. (See Bondy, Charles M., assignor.)
- Bondy, Charles M., assignor to The Bondy Auto Top Company, Cleveland, Ohio. Button. 1,688,520; Oct. 23.
- Bone, Russell, Milledgeville, Ga. Hollow clay-tile building block. 1,683,441; Sept. 4.
- Bonebrake, Ray, South Whitley, Ind. Electrical safety trip. 1,673,222; June 12.
- Bonebright, Herbert B., Chinook, Mont. Planter. 1,690,884; Nov. 6.
- Boners, Christopher A., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Regulating device. 1,655,384; Jan. 3.
- Bonetto, Domenico, St. Louis, Mo. Fluid motor. 1,677,745; July 17.
- Bonfield, Emmons W., assignor to American Box Board Company, Grand Rapids, Mich. Portable container. 1,668,800; May 8.
- Bonge, Charles E., Creighton, assignor of one-third to E. A. Houston and one-third to E. T. Houston, Niobrara, Nebr. Jar-handling tool. 1,667,620; Apr. 24.
- Bongiovanni, Antoni, assignor of one-fourth to J. Fridman, Barnesboro, and one-fourth to S. I. Callet and one-fourth to T. J. Callet, Johnstown, Pa. Shoe-lace-fastening device. 1,696,790; Dec. 25.
- Bongiovanni, Antonio, assignor of one-fourth to J. Fridman Barnesboro, and one-fourth to S. I. Callet, Johnstown, Pa. Shoe-lace-fastening device. 1,696,791; Dec. 25.
- Boniface, Addison O. (See Epps, F. A., Boniface, and Witter.)
- Bonin, Annie P., et al. (See Lapierre, G. J., and Gilligan, assignors.)
- Bonine, Charles E., Melrose Park, Pa. Radio apparatus. 1,696,263; Dec. 25.
- Bonitz, Fred W., Charlotte, N. C. Check valve. 1,658,324; Feb. 7.
- Bonnard, Georges, Le Touvet, France. Treating crape waste. 1,683,520; Sept. 4.
- Bonneau, Joseph C., Webster, Mass. Kier. 1,664,475; Apr. 3.
- Bonnell, Albert W. (See Critser, William, assignor.)
- Bonnell, Harry L. (See Phelps, Phil F., assignor.)
- Bonnell, Kirke L. (See Tohtz, H. W., and Bonnell.)
- Bonner-Charter Corporation. (See Anglada, Joseph A., assignor.)
- Bonner-Charter Corporation. (See Bonner, Clarence E., assignor.)
- Bonner-Charter Corporation. (See Bonner, C. E., and Maughmer, assignors.)
- Bonner-Charter Motor Company. (See Bonner, Clarence E., assignor.)
- Bonner, Clarence E., New York, N. Y., assignor, by mesne assignments, to Bonner-Charter Corporation, Dover, Del. Engine construction. 1,670,298; May 22.
- Bonner, Clarence E., New York, N. Y., assignor to Bonner-Charter Motor Company, Dover, Del. Engine construction. 1,679,463; Aug. 7.
- Bonner, Clarence E., New York, N. Y., assignor, by mesne assignments, to Bonner-Charter Corporation, Dover, Del. Lubricating means. 1,659,319; Oct. 30.
- Bonner, Clarence E., and J. W. Maughmer, New York, N. Y., assignors, by mesne assignments, to Bonner-Charter Corporation, Dover, Del. Engine construction. 1,670,299; May 22.
- Bonner, Douglas E., New York, N. Y. Lighting system for conveyances. 1,657,816; Jan. 31.
- Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)
- Bonney-Floyd Company, The. (See Floyd, Walter B., assignor.)
- Bonney Forge & Tool Works. (See Durham, J. E., jr., and Hume, assignors.)
- Bonney, Homer W., Kingsley, Iowa. Self-adjusting connecting rod. 1,663,582; Mar. 27.
- Bonnot Company, The. (See Bonnot, Louis C., assignor.)
- Bonnot Company, The. (See Sherban, Daniel V., assignor.)
- Bonnot, Louis C. (See Barker, W. M., and Bonnot.)
- Bonnot, Louis C., Louisville, assignor to The Bonnot Company, Canton, Ohio. Disk feeder. 1,679,398; Aug. 7.
- Bonnot, Louis C., Louisville, assignor to The Bonnot Company, Canton, Ohio. Pulverizing mill. 1,690,712; Nov. 6.
- Bonos, Charles, Easton, Pa. Wire cutter. 1,678,551; July 24.
- Bonsall, Charles D., New Kensington, Pa. Load-lifting arrangement. 1,692,197; Nov. 20.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,654,573; Jan. 3.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,659,762; Feb. 21.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,666,115; Apr. 17.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Refrigerator car. 1,669,736; May 15.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,674,089; June 19.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,674,090; June 19.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,674,091; June 19.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,674,463; June 19.
- Bonsall, Charles D., Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill. Car-wall structure. 1,656,033; Jan. 10.
- Bonsall, Charles D., Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill. Car-wall structure. 1,688,133; Oct. 16.

- Bonsall, Charles D., Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill. Car-wall construction. 1,692,198; Nov. 20.
- Bonsieur, Le, Elyria, Ohio. Composite molded article. 1,686,142; Oct. 2.
- Bonsieur, Le, Elyria, Ohio, assignor to The General Industries Company. Vernier dial. 1,658,512; Feb. 7.
- Bontell, Amos C., Pittsfield, Mass. Paper heater. 1,690,661; Nov. 6.
- Booe, John A. (See Seward, R. R., and Booe.)
- Booge, Frank H. (See Daniels, A. L., and Booge.)
- Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lithopone and making same. 1,657,195; Jan. 24.
- Booge, James E., and J. P. Koller, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of sulphate minerals and briquettes therefor. 1,685,772; Oct. 2.
- Booge, James E., M. L. Hanahan, and J. P. Koller, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of lithopone. 1,658,628; Feb. 7.
- Bookmyer, Frank T., Marion, Ohio. Swinging carrier for corn shockers. 1,665,767; Apr. 10.
- Boone, Clinton R., Larchmont, N. Y. Lighter. 1,674,496; June 19.
- Boor, Nicholas J., Clafin, Kans. Cattle yoke. 1,664,394; Apr. 3.
- Boorum & Pease Company. (See Finley, Charles A., assignor.)
- Boorum & Pease Company. (See Kinley, Charles A., assignor.)
- Boorum & Pease Company. (See Von Auw, Alwin, assignor.)
- Boos, August N. E., New York, N. Y. Recording apparatus. 1,676,629; July 10.
- Boosey, Edward W. N., Detroit, Mich. Gas-vent T. 1,668,488; May 1.
- Boosey, Edward W. N., Detroit, Mich. Drainage fitting. 1,669,586; May 15.
- Boosey, Edward W. N., Detroit, Mich. Cover for conduit fittings. 1,680,279; Aug. 14.
- Boosey, Edward W. N., Detroit, Mich. Trench cover and frame. 1,680,280; Aug. 14.
- Boosey, Edward W. N., Detroit, Mich. Closet flange. 1,684,570; Sept. 18.
- Boosey, Edward W. N., Detroit, Mich. Ferrule for connecting plumbing fittings with piping. 1,684,571; Sept. 18.
- Boosey, Edward W. N., Detroit, Mich. Clean-out fitting for plumbing systems. 1,684,572; Sept. 18.
- Booth, Byron C. (See Bishop, J. W., and Booth.)
- Booth, Byron C., Muskegon Heights, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Spring hinge for toilet seats. 1,681,277; Aug. 21.
- Booth, Charles F. (See Carothers, J. N., and Booth.)
- Booth, Charles F., and A. B. Gerber, Anniston, Ala., and P. Logue, Logue, Mo. Saline tri-sodium phosphate and its manufacture. 1,688,112; Oct. 16.
- Booth, Clement. (See Smith, C. O., and Booth.)
- Booth, Clement, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,659,237; Feb. 14.
- Booth, David N., New York, N. Y. Vehicle tire. 1,665,840; Apr. 10.
- Booth, David N., New York, N. Y. Vehicle tire. 1,696,707; Dec. 25.
- Booth, Harry S., East Orange, N. J., and J. P. Ruhl, New Dorp, N. Y. Recording means. 1,660,472; Feb. 28.
- Booth, James S., Detroit, Mich. Braking device for vehicles. 1,657,738; Jan. 31.
- Booth, James S., Detroit, Mich. Torque-tube structure. 1,670,096; May 15.
- Booth, James S., Detroit, Mich. Sleeve-valve gear. 1,680,445; Aug. 14.
- Booth, James S., Detroit, Mich. Charging and distributing device for internal-combustion engines. 1,690,330; Nov. 6.
- Booth, John, Indianapolis, Ind. Rack. Des. 74,350; Feb. 7.
- Booth, Ralph E., Lynn, Mass., assignor to General Electric Company. Indicating devices. 1,694,307; Dec. 4.
- Booth, William K. (See Morris, W. L., and Booth.)
- Booth, William K., Chicago, Ill., assignor to Electrolit Syndicate. Electric fuel igniting. 1,694,053; Dec. 4.
- Booth, William N., Detroit, Mich. Machine for assembling spoked wheels. 1,662,412; Mar. 13.
- Booth, William N., Detroit, Mich. Vehicle wheel. 1,665,437; Apr. 10.
- Booth, William N., Detroit, Mich. Vehicle wheel. 1,667,024; Apr. 24.
- Booth, William N., Detroit, Mich. Vehicle wheel. 1,670,491; May 22.
- Booth, William N., Detroit, Mich. Vehicle wheel. 1,679,113; July 31.
- Booth, William N., Detroit, Mich. Demountable-rim tool. 1,694,527; Dec. 11.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Brake drum. 1,695,526; Dec. 18.
- Booth, William N., assignor to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Wheel hub. 1,695,525; Dec. 18.
- Booth, William T., Flushing, and A. C. Magrath, New Dorp, assignors to Western Electric Company, Incorporated, New York, N. Y. Testing device. 1,690,269; Nov. 6.
- Boothe, Albert, Colfax, Iowa. Stringed musical instrument. 1,684,467; Sept. 18.
- Boothman, Dale M., Oakmont, assignor to Aluminum Seal Company, Pittsburgh, Pa. Container-closing machine. 1,659,546; Feb. 14.
- Boothman, Dale M., Oakmont, assignor to Aluminum Seal Company, Pittsburgh, Pa. Attaching caps to containers and forming hermetic seals. 1,659,547; Feb. 14.
- Boots, Edmund R., East Orange, N. J., and S. A. Eskilson, Stockholm, Sweden, assignors to American Gasaccumulator Company, Elizabeth, N. J. Combination day and night reflector signal or sign. 1,655,891; Jan. 10.
- Boots, Edmund R., East Orange, N. J., and S. A. Eskilson, Stockholm, Sweden, assignors to American Gasaccumulator Company, Elizabeth, N. J. Reflector belt. 1,663,791; Mar. 27.
- Boots, William C., assignor to Guyot Brothers Co. Inc., Attleboro, Mass. Expandable bracelet. 1,659,990; Feb. 21.
- Boots, William C., assignor to Guyot Brothers Co. Inc., Attleboro, Mass. Watch bracelet end fastener. 1,659,991; Feb. 21.
- Booty, Philip C. P., Chicago, assignor, by mesne assignments, to L. W. Fricke, Oak Park, Ill. Manicurist's polishing implement. Des. 74,540; Feb. 28.
- Booty, Philip C. P., assignor of one-half to M. T. Daley, Chicago, Ill. Receptacle for face powder and the like. 1,656,878; Jan. 17.
- Booty, Philip C. P., assignor to Innovation Specialties Co., Inc., Chicago, Ill. Hair curler. 1,663,291; Mar. 20.
- Booty, Philip C. P., assignor to M. T. Daley, Chicago, Ill. Receptacle for face powder and the like. 1,680,317; Aug. 14.
- Booty, Philip C. P., assignor to M. T. Daley, Chicago, Ill. Receptacle for face powder and the like. 1,687,748; Oct. 16.
- Boozer, Douglas G. (See Williams, H. W., and Boozer.)
- Bora, Frank A., et al., trustees. (See Arey, Fred C., assignor.)
- Boraks, Louis, Roslindale, Mass. Safety guard for punch presses. 1,668,545; May 8.
- Borchardt, Arthur. (See Heil, J. P., and Borchardt.)
- Borchardt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Deflocculation of colloids. 1,655,045; Jan. 3.
- Borchardt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Concentration of barite. 1,662,633; Mar. 13.
- Borchardt, Walter O., Mountain Lakes, N. J., assignor to The New Jersey Zinc Company, New York, N. Y. Concentration of barite. 1,662,634; Mar. 13.
- Borchert, Fred L., Rockford, Ill. Display device for advertising fruit juices. 1,669,444; May 15.
- Borchert, Fred L., Rockford, Ill. Cup dispenser. 1,683,950; Sept. 11.
- Borchert, Fred L., Rockford, Ill. Confection-making machine. 1,687,707; Oct. 16.
- Borchert, Fred L., Rockford, Ill. Cutting and feeding mechanism for confection-bar-making machines. 1,687,708; Oct. 16.
- Borchert, Fred L., Rockford, Ill. Spring latch. 1,693,706; Dec. 4.
- Borda, Carlos J., Bogota, Colombia. Leveling device. 1,661,993; Mar. 6.
- Borden, Arthur G., Washington, D. C., assignor to The Borden Method Incorporated. Permanent-hair-waving appliance. 1,681,024; Aug. 14.
- Borden Company, The. (See Green, Lee B., assignor.)
- Borden Company, The. (See McClatchie, John M., assignor.)
- Borden Company, The. (See Nonneman, Ira W., assignor.)
- Borden Company, The. (See Taylor, Burt F., assignor.)
- Borden Company, The. (See Ward, William C., assignor.)
- Borden Company, The. (See Young, J. H., and Frink, assignors.)
- Borden, Eugene, and A. Martell, Hollywood, Calif. Radiator-cap ornament. Des. 74,656; Mar. 13.
- Borden, Ira W., Vincennes, Ind. Hand cultivator. 1,670,952; May 22.
- Borden, John F., Alameda, assignor to Oliver Continuous Filter Company, Oakland, Calif. Gas separator. 1,667,139; Apr. 24.
- Borden Method Incorporated, The. (See Borden, Arthur G., assignor.)
- Bordwell, Lavern, New York, N. Y. Beater. 1,676,128; July 3.
- Borel, Joseph, Annecy, France. Automobile head lamp. 1,669,445; May 15.
- Borenstein, Abraham D., Brooklyn, N. Y. Hose supporter. 1,695,573; Dec. 18.
- Borg & Beck Company, The. (See Gamble, David E., assignor.)
- Borg & Beck Company, The. (See Nelson, Gustave C., assignor.)
- Borg & Beck Company, The. (See Reed, Harold V., assignor.)
- Borg, George W. (See Hobbs, John W., assignor.)
- Borge, John, Bellport, N. Y. Refuse burner and water heater. 1,691,462; Nov. 13.
- Borgerding, Henry J. and J. F., Oakland, Calif. Automatic traffic signal. 1,655,590; Jan. 10.
- Borgerding, Joseph F. (See Borgerding, Henry J. and J. F.)

- Borgeson, Sidney E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-unwinding device. 1,677,167; July 17.
- Borgman, Oscar J., Hammond, Ind. Boat-propelling mechanisms. 1,693,590; Dec. 4.
- Bornis, Samson, Philadelphia, Pa. Loom fabric protector. 1,695,137; Dec. 11.
- Borgwardt, Erich. (See Schoeller, W., Feldt, Gehrke, and Borgwardt.)
- Borkert, Anson, Warsaw, Ind. Oarlock. 1,664,153; Mar. 27.
- Borklund, Peter E., Spokane, Wash. Duplex screw driver. 1,695,949; Dec. 18.
- Borkman, George F., Salt Lake City, Utah. Radioreceiver. 1,663,583; Mar. 27.
- Borkman, George F., Salt Lake City, Utah. Eccentrically-pivoted armature mounting for vibratory units. 1,676,380; July 10.
- Borkowicz, John. (See Borkowicz, William, assignor.)
- Borkowicz, William, assignor of one-fourth to J. Borkowicz, Baltimore, Md. Oil burner. 1,666,069; Apr. 17.
- Borland, Albert H., Gebo, Wyo. Bedcover support. 1,675,207; June 26.
- Borland, Bruce, Chicago, Ill. Seal. 1,675,327; July 3.
- Borland, Bruce, Chicago, Ill. Seal. 1,675,328; July 3.
- Borland, Joseph V., Clairton, Pa. By-product coke oven and operating same. 1,658,796; Feb. 14.
- Born, Alfred, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Extrusion press. 1,661,594; Mar. 6.
- Born, Alfred, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Extrusion press. 1,663,331; Mar. 20.
- Born, Alfred, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Extrusion press. 1,670,336; May 22.
- Bornkessel, August L., Westfield, N. J. Making printing plates. 1,658,184; Feb. 7.
- Bornkessel, Max, New York, N. Y. Surgical headlight. 1,638,113; Oct. 16.
- Bornmann, Carl, assignor to Anasco Photoproducts, Inc., Binghamton, N. Y. Camera casing. Des. 74,211; Jan. 10.
- Bornmann, Carl, assignor, by mesne assignments, to Agfa Anasco Corporation, Binghamton, N. Y. Film package. 1,685,802; Oct. 2.
- Bornmann, Carl A., assignor, by mesne assignments, to Agfa Anasco Corporation, Binghamton, N. Y. Catch for camera fronts. 1,675,529; July 3.
- Bornmann, Carl A., assignor, by mesne assignments, to Agfa Anasco Corporation, Binghamton, N. Y. Photographic-film cartridge. 1,679,956; Aug. 7.
- Bornmann, Carl A., assignor by mesne assignments, to Agfa Anasco Corporation, Binghamton, N. Y. Finder. 1,684,531; Sept. 18.
- Bornstein, Joseph, assignor to Sombco, Inc., Boston, Mass. Windshield wiper. 1,689,617; Oct. 30.
- Borough, Willard L. (See McLaine, W. L., and Borough.)
- Borough, Willard L. (See Zublin, J. A., and Borough.)
- Borresen, Helge A., Chicago, Ill. Automobile curtain fastener. 1,660,473; Feb. 28.
- Borresen, Helge A., assignor to The C. H. Hanson Company, Chicago, Ill. Fastening means. 1,668,756; May 8.
- Borris, Morris, New York, N. Y. Loud speaker. Des. 74,164; Jan. 3.
- Borror, Donald, Garnett, Kans. Automobile tire carrier. 1,687,749; Oct. 16.
- Borroughs, Joseph N., Oakland, Calif. Towel cabinet. 1,685,395; Sept. 25.
- Borrowdale, Russell W., assignor to J. Toman, Chicago, Ill. Attachment for printing presses. 1,694,638; Dec. 11.
- Borsbach, Ernst. (See Pistor, G., and Borsbach.)
- Borsenberger, Emil E., assignor to The Whitacre-Greer Fireproofing Company, Waynesburg, Ohio. Die for hollow tile. 1,665,342; Apr. 10.
- Borshoim, Hans T., assignor to Hart Parr Company, Charles City, Iowa. Washing machine. 1,682,212; Aug. 28.
- Borsig, A., G. m. b. H. (See Kindermann, Erich, assignor.)
- Borst, Frederick C., et al. (See Dukesmith, Frank H., assignor.)
- Borzin, Milton H., and A. Mitru, Chicago, Ill. Closure lock. 1,693,544; Nov. 27.
- Bosch, Robert, Aktiengesellschaft. (See Ehrmann, Friedrich, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Fischer, O., and Walther, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Möhrle, Arthur, assignor.)
- Bosch, Robert, Aktiengesellschaft. (See Schmid, A., and Stoll, assignors.)
- Bosch, Robert, Aktiengesellschaft. (See Walther, W., and Rau, assignors.)
- Bosco, George B., Chicago, Ill. Shore-adjusting tool. 1,656,940; Jan. 24.
- Bosco, George B., Chicago, Ill. Sleeper anchor. 1,677,882; July 24.
- Bosco, George B., Chicago, Ill. Bracket for shores. 1,678,177; July 24.
- Bosco, George B., Chicago, Ill. Timber clamp. 1,682,658; Aug. 28.
- Bosco, George B., Chicago, Ill. Timber clamp. 1,692,152; Nov. 20.
- Bose, August Z., Willits, Calif. Cleaning device. 1,655,309; Jan. 3.
- Boshart, Charles R., Lowville, N. Y. Animal tag. 1,691,838; Nov. 13.
- Bosle, Jacob P. (See Baines, J. E., and Bosle.)
- Bosley, Allen E. (See O'Brien, Joseph, assignor.)
- Boss, Lester F., Woods Hole, Mass. Electric cut-out for stills and the like. 1,672,800; June 5.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Testing device and railway-traffic-controlling apparatus. 1,657,493; Jan. 31.
- Bossart, Paul N., assignor to Union Switch & Signal Company, Swissvale, Pa. Electromagnetic apparatus. 1,661,651; Mar. 6.
- Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,667,768; May 1.
- Bosselut, Antoine, Paris, France. Electrical means for controlling lifts and the like. 1,692,542; Nov. 20.
- Bossert Corporation, The. (See Clement, Walter J., assignor.)
- Bossert Corporation, The. (See Jones, James R., assignor.)
- Bossert, Walter F. (See Roughan, John E., assignor.)
- Bossi, Enea, New York, N. Y. assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Liquid-fuel feed. 1,662,101; Mar. 13.
- Bostaph Engineering Co. (See Ramage, Alexander S., assignor.)
- Bostaph, Harvey P., Detroit, Mich. Thread cutter. 1,666,162; Apr. 17.
- Bostedo, Louis G., Oak Park, Ill. Convertible steam and hot-water radiator. 1,694,201; Dec. 4.
- Bostick, Elizabeth H., et al. (See Bostick, Evelyn D., assignor.)
- Bostick, Evelyn D., Columbia, S. C., assignor of fifty-one per cent to E. H. Bostick and one per cent to C. L. Prince. Shirt-sleeve supporter. 1,691,958; Nov. 20.
- Boston Insulated Wire & Cable Company. (See Burley, Harry B., assignor.)
- Boston Machine Works Company. (See Johnson, Lawrence E., assignor.)
- Boston Machine Works Company. (See Osgood, Walter P., assignor.)
- Boston Wire Stitcher Company. (See Briggs, Thomas A., assignor.)
- Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
- Boston Woven Hose & Rubber Company. (See Bruner, Harold G., assignor.)
- Bostroem, August, Roselle, N. J., assignor to S. R. Schwartz, New York, N. Y. Shade mounting. 1,655,087; Jan. 3.
- Bostwick, Henry C. (See Fleiter, A. J., Bostwick, and Miller.)
- Bostwick, William W., et al. (See Tipton, Edward F., assignor.)
- Bosworth, Alfred W., Columbus, Ohio, assignor to Douthitt Engineering Co., Chicago, Ill. Powdered extract of malted grains and making same. 1,658,027; Feb. 7.
- Bosworth, Harry J., Chicago, Ill., assignor to Harry J. Bosworth Company. Dental burner. 1,662,997; Mar. 20.
- Bosworth, Harry J., Company. (See Bosworth, Harry J., assignor.)
- Bosworth, William G., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,656,264; Jan. 17.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Faceplate for electrical wall devices. Des. 75,096; May 8.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Electric candle socket. 1,661,680; Mar. 6.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Two-light plug. 1,672,556; June 5.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Electric switch. 1,684,982; Sept. 18.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Switch or receptacle plate. 1,694,054; Dec. 4.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Combination electric wall fitting. 1,694,158; Dec. 4.
- Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Mounting for electrical devices. 1,694,159; Dec. 4.
- Bothe, Andreas, Orelan, Pa. Pie plate. 1,668,101; May 1.
- Bothwell, Cecil L., and K. C. Barton, East St. Louis, Ill. Lint flue. 1,657,563; Jan. 31.
- Bothwell, Cecil L., and K. C., and R. Barton, National Stock Yards, assignors to Armour & Company, Chicago, Ill. Fiber-removing machine. 1,658,916; Feb. 14.
- Bothwell, Glenn D., Springfield, assignor of one-third to G. J. Bothwell, London, Ontario, Canada. Horn-resonator violin. 1,665,402; Apr. 10.
- Bothwell, Guy J. (See Bothwell, Glenn D., assignor.)
- Bot-Lock Co. Inc. (See Bischan, William, assignor.)

- Bots, Hermann, and A. Catineau, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Bluish sulphurized indophenol dyes and making the same. 1,695,756; Dec. 18.
- Botsford, Claude W., Los Angeles, Calif., assignor to William W. Odell, Pittsburgh, Pa. Generating gas. 1,682,264; Aug. 28.
- Botsford, Claude W., Chicago, Ill., assignor to W. W. Odell, Pittsburgh, Pa. Gas generator. 1,683,155; Sept. 4.
- Botsford, Jeannette J., Spokane, Wash. Hose supporter. 1,672,298; June 5.
- Bottson, René, Auderghem-Brussels, assignor to Société Industrielle des Applications Chimiques, Société Anonyme, Brussels, Belgium. Preparing depilatory substances. 1,683,442; Sept. 4.
- Bott, Edgar S. (See Funk, A. S., and Bott.)
- Bott, Edgar S., and A. S. Funk, La Crosse, Wis. Over-shoe. Des. 76,218; Sept. 4.
- Bott Wister P., assignor of three-fourths to F. C. McClanahan, Homer, La. Display case. 1,689,713; Oct. 30.
- Böttcher, Paul, Atona-Bahrenfeld, near Hamburg, Germany. Dovetailing, cogging, and indenting machine. 1,694,115; Dec. 4.
- Böttger, Oskar. (See Schettler, G. A., and Böttger.)
- Böttger, Oskar, Frankfurt-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather-working machine. 1,694,437; Dec. 11.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Sales book. 1,672,838; June 5.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold book. 1,673,309; June 12.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Sales-check holder. 1,676,726; July 10.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales book. 1,680,933; Aug. 14.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifold sales book. 1,691,914; Nov. 20.
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. Des. 76,372; Sept. 25.
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. Des. 76,373; Sept. 25.
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. Des. 76,454; Oct. 2.
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. Des. 76,455; Oct. 2.
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. Des. 76,852; Nov. 13.
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. Des. 76,913; Nov. 20.
- Bottomley, Edward, and F. Welch, Sheridan, Wyo. Track-cleaning attachment for loading machines. 1,681,089; Aug. 14.
- Bottoms, Paschal L., Amarillo, Tex. Scaffold. 1,673,862; June 19.
- Botts, Raymond A., Stockton, Calif. Heat control for cooking utensils. 1,692,153; Nov. 20.
- Botzford, Willis H., et al. (See Perkins, Nathan W., assignor.)
- Boucek, James J., Hallick, and J. Trefney, Cleveland, Ohio. Hot-air furnace. 1,663,434; Mar. 20.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyeglass frame. Des. 76,602; Oct. 16.
- Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frame. Des. 76,661; Oct. 23.
- Boucher Cork Company. (See Grupe, William F., assignor.)
- Bouchery, August, Brooklyn, assignor of one-half to J. O. Seifort, Auburndale, Flushing, N. Y. Lock. 1,675,594; July 3.
- Boudette, Clayton M., Revere, Mass. Sound-reproducing apparatus. 1,670,234; May 15.
- Boudin, Louis, St. Gobain, assignor to Société Anonyme des Manufacturiers des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus for forming sheet glass. 1,654,784; Jan. 3.
- Boudios, Edmond E., Paris, assignor to Les Fils de Emile Boudios, Romilly, s/Seine, Aube, France. Knitting machine for the manufacture of corsets and belts. 1,675,691; July 3.
- Boughner, Harry R. (See Sage, R. W., and Boughner.)
- Boughton, Solon J., assignor to The Willys-Overland Company, Toledo, Ohio. Universal joint. 1,673,492; June 12.
- Bouharoun, Sliman E., Waterbury, Conn. Folding chair. 1,683,327; Sept. 4.
- Bouillon, Alexandre, Liege, Belgium. Laying tramway lines. 1,678,552; July 24.
- Bouillon, Constant, assignor to The Hendry Machine Company, Torrington, Conn. Clamping mechanism for machine tools. 1,666,484; Apr. 17.
- Bouillon, Constant, assignor to The Hendry Machine Company, Torrington, Conn. Manual feeding mechanism for machine tools. 1,680,590; Aug. 14.
- Bouin, Charles, Boston, Mass. Lamp house. 1,675,595; July 3.
- Boulaud, Antonin, assignor to Societe du Carburateur Zenith, Lyon, France. Filter. 1,685,326; Oct. 23.
- Boulogne, Arthur, Levallois-Perret, France. Pivoting emergency seat. 1,664,766; Apr. 3.
- Bouman, Martinus P. A. (See Vies, S. I., and Bouman.)
- Bound Brook Oil-Less Bearing Company. (See Claus, Carl, assignor.)
- Bounos, Louis, Valdeese, N. C. Apparatus for dyeing yarn. 1,681,088; Aug. 14.
- Bourcier, Francois E., Paris, France. Stretching device for hides and skins of animals and the like. 1,660,292; Feb. 21.
- Bourgeois, Clarence H., assignor to The Houghton Elevator & Machine Company, Toledo, Ohio. Switch-operating mechanism. 1,691,915; Nov. 20.
- Bourgeois, John B., Worcester, Mass. Fuse cut-out. 1,682,365; Aug. 28.
- Bourgeois, Robert J., Oak Park, assignor to W. D. Smith Silver Company, Chicago, Ill. Coffeepot or similar article. Des. 74,294; Jan. 24.
- Bourges, Carl, Hagen, assignor to Metallisator Berlin A. G., Berlin, Germany. Separating apparatus. 1,695,362; Dec. 18.
- Bourgognion, Julianus W. M., and C. L. Phillips, Nijmegen, Netherlands. Treating water. 1,683,521; Sept. 4.
- Bourgon, Joseph H. (See Pierce, H. S., and Bourgon.)
- Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Automobile bracing attachment. 1,654,675; Jan. 3.
- Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Top construction. 1,671,807; May 29.
- Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,671,808; May 29.
- Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Body construction. 1,692,543; Nov. 20.
- Bourjois, Inc. (See Guillaume, Paul M., assignor.)
- Bourke, Thomas B., Rockampton, and G. P. Setter, Northgate, near Brisbane, Queensland, Australia. Gearless differential. 1,661,028; Feb. 28.
- Bourleaux, Fernand, Saint-Quentin, France. Furnace for heating rivets by means of oxygen and acetylene gases. 1,677,467; July 17.
- Bourn Rubber Manufacturing Company. (See Phillips, Victor B., assignor.)
- Bourne-Fuller Company, The. (See Chapin, Fred H., assignor.)
- Bourne-Fuller Company, The. (See Newpher, Charles F., assignor.)
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weigh beam. 1,664,502; Apr. 3.
- Bousfield, Alfred, assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Track scale. 1,685,978; Oct. 2.
- Boushon, Fred J., Mellen, Wis. Stone gatherer. 1,672,746; June 5.
- Bouslog, John G., Anaheim, Calif. Rod rack. 1,684,008; Sept. 11.
- Bousman, Claude D., Kansas City, Kans. Lime spreader. 1,686,143; Oct. 2.
- Boustead, Mary E., Minneapolis, Minn. Division board for truck bodies. 1,686,433; Oct. 2.
- Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,659,189; Feb. 14.
- Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Ophthalmic temple. 1,664,966; Apr. 3.
- Boutin, Alfred, Victoriaville, Quebec, Canada. Brake. 1,667,924; May 1.
- Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,686,948; Oct. 9.
- Bouton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator-control system. 1,687,654; Oct. 16.
- Bouvier, George A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming stranded articles. 1,684,532; Sept. 18.
- Bouvier, George A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-twisting apparatus. 1,684,533; Sept. 18.
- Bouvier, Maurice E., and L. U. Hugoniot, Lyon, assignors to Societe Chimique des Usines du Rhone, Paris, France. Preparation of ethylidene diacetate. 1,680,760; Aug. 14.
- Bouy, Jules, New York, N. Y. Support or similar article. Des. 74,822; Apr. 3.
- Bovard, Fritz, Bern, Switzerland. Manufacturing match packages. 1,683,651; Sept. 11.
- Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bonding. 1,682,109; Aug. 28.
- Bovey, Thomas, Chicago, Ill. Automobile heater. 1,693,473; Nov. 27.
- Bovier, Archie M., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Record strip. 1,681,168; Aug. 21.
- Bovier, Archie M., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Composite manifold strip. 1,681,513; Aug. 21.
- Boving, Jens O., Westminster, London, England. Apparatus for rarefying gases. 1,664,347; Mar. 27.
- Boving, Jens O., Westminster, London, England. Apparatus for raising liquids. 1,672,198; June 5.

- Boving, Jens O., Westminster, England. Air-lift pump. 1,677,265; July 17.
- Boving, Jens O., Westminster, London, England. Absorption refrigerating apparatus. 1,678,242; July 24.
- Boving, Jens O., Westminster, London, England. Apparatus for raising liquids. 1,696,792; Dec. 25.
- Bowdan, Melvin, Los Angeles, Calif. Combination solid and pneumatic tire. 1,678,419; July 24.
- Bowden, Henery M., Allandale, Ontario, Canada. Brake-beam assembly. 1,681,090; Aug. 14.
- Bowe, David W., Detroit, Mich. Roller. 1,655,130; Jan. 3.
- Bowen, Carl R., Wilmington, Calif. Air brake. 1,696,665; Dec. 25.
- Bowen, Charles O., Dora, Ala., assignor to W. B. Miller, trustee, Wallins Creek, Ky. Electric locomotive. 1,684,779; Sept. 18.
- Bowen, David R., Ansonia, Conn., J. M. Dardis, Baner, Cuba, and F. Farrel, jr., New Haven, Conn., assignors, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane-grinding mill. 1,670,097; May 15.
- Bowen, Dudley A., New York, N. Y. Connector. 1,677,326; July 17.
- Bowen, Ernest W., London, England. Manufacture of fuel briquettes. 1,667,304; Apr. 24.
- Bowen, Ernest W., London, England. Furnace more particularly for drying fuel. 1,670,606; May 22.
- Bowen, George W., San Diego, Calif. Hydrocarbon burner. 1,679,152; July 31.
- Bowen, George W., assignor to Illinois Watch Case Company, Elgin, Ill. Making watchcases. 1,680,281; Aug. 14.
- Bowen, Howard E., Baltimore, Md. Meat-seasoning fork. 1,661,595; Mar. 6.
- Bowen, James, Mannheim, Pa., assignor to Bond Foundry & Machine Company, Caster. 1,680,446; Aug. 14.
- Bowen, Pauline E., Minneapolis, Minn. Vanity purse. Des. 74,718; Mar. 20.
- Bowen Products Corporation. (See Bacon, Chester A., assignor.)
- Bowen, Richard E., Los Angeles, Calif. Adjustable vehicle seat. 1,685,770; Oct. 2.
- Bowen, Roy E., Indianapolis, Ind. Fuse. 1,674,633; June 26.
- Bowen, Troy A. L., Tulsa, Okla. Pumping-derrick reinforcing. 1,656,900; Jan. 24.
- Bowen, William S., Westfield, N. J. Gas burner. 1,677,811; July 17.
- Bowen, William S., Westfield, N. J. Reaction turbine. 1,681,607; Aug. 21.
- Bowen, William S., Westfield, N. J. Centrifugal disintegrator for liquids. 1,692,617; Nov. 20.
- Bowen, William S., Westfield, N. J. Separation and liquefaction of gases. 1,694,308; Dec. 4.
- Bower, George W., Schenectady, N. Y., assignor to General Electric Company. Electric-current collector. 1,658,703; Feb. 7.
- Bower, George W., Schenectady, N. Y., assignor to General Electric Company. Connector for strain insulators. 1,680,724; Aug. 14.
- Bower, Justus H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Air-conditioning system. 1,678,101; July 24.
- Bower, Robert C., St. Louis, Mo. Logging and indicating device for radio receiving sets. 1,685,803; Oct. 2.
- Bower, Sigmond, assignor of one-half to C. G. Hensley, Brooklyn, N. Y. Hanger. 1,690,614; Nov. 6.
- Bower, William M., assignor to Linotype and Machinery Limited, London, England. Production of accented characters in typographical composing and casting machines. 1,657,494; Jan. 31.
- Bowers, Arlan L., Briarlow, assignor to F. M. Mahan, Pawhuska, E. McCarty, Wynona, and C. H. Besse, Burfan, Okla. Oil-well derrick. 1,675,635; July 3.
- Bowers, Augustus W., and C. N. Prouty, Spencer, Mass. Double-welt shoe. 1,681,279; Aug. 21.
- Bowers, Carmon S. (See Feather, Luther M., assignor.)
- Bowers, Claude E., Los Angeles, Calif. Outlet-box hanger. 1,667,025; Apr. 24.
- Bowers, Claude E., Los Angeles, Calif. Pipe hanger. 1,669,446; May 15.
- Bowers, Claude E., Los Angeles, Calif. Anchor for sleepers. 1,670,875; May 22.
- Bowers, Claude E., Los Angeles, Calif. Slide for extension tables. 1,692,618; Nov. 20.
- Bowers, Dana W., Wilderness, Va. Ore-roasting apparatus. 1,662,811; Mar. 20.
- Bowers Earl E., Shickley, Nebr. Corn-seed-severing implement. 1,671,694; May 29.
- Bowers, Ernest C. (See Rosenbaum, L. F., and Bowers.)
- Bowers, Frank, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Automatically-operated soot blower. 1,680,125; Aug. 7.
- Bowers, Frank, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler-tube cleaner. 1,680,202; Aug. 7.
- Bowers, Frank E., Indianapolis, Ind. Washing-liquid clarifier and purifier. 1,687,235; Oct. 9.
- Bowers, Frederick M., Chester, Pa. Welder's shield. 1,680,725; Aug. 14.
- Bowers, R. E., et al. (See Culver, Thomas R., assignor.)
- Bowers, W. W. (See Condit, George M., assignor.)
- Bowers, Walter G. (See Smith, C. A., and Bowers.)
- Bowers, William J. (See Moore, W. D., Loring, and Bowers.)
- Bowersox, Albert S., Fletcher, Ohio. Automobile signal. 1,687,053; Oct. 9.
- Bowersox, Joseph W., Los Angeles, Calif. Mattress-making apparatus. 1,687,002; Oct. 9.
- Bowland, Andreas, Wilkinsburg, Pa. Valve for fluid-fuel burners. 1,678,459; July 24.
- Bowler, William E., Niagara Falls, N. Y., assignor to The Spirella Company, Meadville, Pa. Wire straightening and cutting machine. 1,663,969; Mar. 27.
- Bowler, William E., Niagara Falls, N. Y., assignor to The Spirella Company, Meadville, Pa. Machine for severing wire fabric. 1,675,747; July 3.
- Bowles, Hardy, Shreveport, La. Building tile. 1,656,163; Jan. 17.
- Bowling Green Poultry Supply Company, The. (See Pierce, Esta M., assignor.)
- Bowling Green Trust Company, executor. (See Atkinson, William B.)
- Bowlsby, Philip H. (See Ross, S. E., and Bowlsby.)
- Bowlus, Claude A., Birmingham, Mich. Arc welding machine. 1,684,726; Sept. 18.
- Bowlus, Glenn H., Los Angeles, Calif. Oil-storage-tank breather. 1,678,376; July 24.
- Bowlus, Henry C., assignor to A. D. Hosterman, Springfield, Ohio. Flushing and ventilating apparatus for closets. 1,664,588; Apr. 3.
- Bowman, A. M. (See Hamaker, Rex G., assignor.)
- Bowman, Arthur R., Prineville, Oreg. Transmission for automobiles. 1,657,991; Jan. 31.
- Bowman, Fred E., and G. F. Cameron, Anchorage, Alaska. Iron holder. 1,696,518; Dec. 25.
- Bowman, George. (See Dowall, R. L., and Palmer, assignors.)
- Bowman, George H., Company, The. (See Fisher, Robert E., assignor.)
- Bowman, George J., Bartle, Calif. Chain tightener and holder. 1,663,621; Mar. 27.
- Bowman, George S., assignor of one-third to S. W. Linthicum, James, Md. Closure for receptacles. 1,672,877; June 12.
- Bowman, George W., Seymour, Tex. Nut lock. 1,667,305; Apr. 24.
- Bowman, Glenn F. (See Vogt, Clarence C., assignor.)
- Bowman, Harvey M., Mountain View, Calif. Safety bumper. 1,683,283; Sept. 4.
- Bowman, Herbert S., Chicago, Ill. Calendar. 1,692,199; Nov. 20.
- Bowman, Hyman D., Pittsburgh, Pa. Fluid-mixing device. 1,686,199; Oct. 2.
- Bowman, John G., assignor of one-half to W. C. Haseltine, Kansas City, Mo. Valved spark plug. 1,685,017; Sept. 18.
- Bowman, Lee M., assignor of one-third to J. B. Primm and one-third to T. L. Shepherd, Los Angeles, Calif. Device for commercial radio reception and operation. 1,696,519; Dec. 25.
- Bowman, Newton K., Bowdill, Ohio. Bit. 1,677,950; July 24.
- Bowman, William C., Frisco, Tex. Pulling apparatus. 1,673,179; June 12.
- Bowmaster, John O., Orbisonia, Pa. Screening machine. 1,685,013; Sept. 18.
- Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Directive antenna. 1,680,363; Aug. 14.
- Bown, Ralph, Maplewood, N. J., and H. S. Hamilton, New York, N. Y., assignors to American Telephone and Telegraph Company. Radio transmission system. 1,668,757; May 8.
- Bowser, S. F., & Company. (See Opitz, William H., assignor.)
- Box Patents Corporation. (See Shafer, Carl R., assignor.)
- Boxboard Products Company. (See Kondoff, Mathias R., assignor.)
- Boxer, Maurice, San Francisco, Calif. Hair curler. 1,667,188; Apr. 24.
- Boxer, Maurice, assignor to Beauty Parlor Designator Manufacturing Corporation, San Francisco, Calif. Display device. 1,675,154; June 26.
- Boyce, Charles P. (See Donald, F. E., and Boyce.)
- Boyce, Edward C., New York, N. Y. Golf club. 1,665,523; Apr. 10.
- Boyce, Edwin D., Norristown, Pa. Tool guard. 1,685,213; Sept. 25.
- Boyce, Harrison H. (See Hebig, Henry C., assignor.)
- Boyce, Harrison H., Jericho, N. Y. Motor-heat indicator. Des. 75,208; May 22.
- Boyce, Harrison H., Jericho, N. Y. Indicating instrument for automobile radiator caps and the like. 1,667,026; Apr. 24.
- Boyce, Harrison H., Jericho, N. Y. Temperature-indicating apparatus for vehicle propelling motors. 1,667,027; Apr. 24.
- Boyce, Harrison H., Jericho, N. Y. Illuminating means for motor heat indicators. 1,695,707; Dec. 18.
- Boyce-Ite Products, Incorporated. (See Orelup, J. W., and Lee, assignors.)
- Boyce, James. (See Anderson, Harry F., assignor.)
- Boyce, James W., Hartford, Conn. Golf club. 1,654,916; Jan. 3.

- Boyce, John E., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Governor-operated switch. 1,655,408; Jan. 10.
- Boyce, Reginald D., Hendon, London, England. Multiple-cylinder reciprocating air and like pump. 1,659,238; Feb. 14.
- Boyce, William D., New York, N. Y. Smoke consumer and soot blower. 1,678,764; July 31.
- Boyce, William S. (See Bell, E. H., and Boyce.)
- Boyd, Clarence A., St. Paul, Minn. Electric waffle iron. 1,672,299; June 5.
- Boyd, Cora R., et al. (See Boyd, John R., assignor.)
- Boyd, Elton L., and J. T. Johnson, Haldton, Okla. Combination working barrel and sand trap. 1,684,295; Sept. 11.
- Boyd, Frank L., Cat Creek, assignor to R. L. Cook, Shelby, and E. B. Coolidge, Lewistown, Mont. Pipe grip. 1,669,322; May 8.
- Boyd, George B., Dunellen, N. J. Hydraulic brake for vehicles. 1,661,029; Feb. 28.
- Boyd, James H. C., Clough, England. Scissors, shears, and like implements. 1,671,569; May 29.
- Boyd, James K., Wilkensburg, and F. F. Slick, North Brad-dock, Pa. Rail joint. 1,696,108; Dec. 18.
- Boyd, John, Byron, Calif. Hay rake and buncher. 1,684,573; Sept. 18.
- Boyd, John R., Galena, assignor of one-fourth to G. Meyer, Westerville, Ohio, one-fourth to M. B. Driscoll, Washington, D. C., and one-half to C. R. Boyd. Fire extinguisher. 1,671,398; May 29.
- Boyd, John S., assignor by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,000; Aug. 14.
- Boyd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,219; Sept. 4.
- Boyd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,220; Sept. 4.
- Boyd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,221; Sept. 4.
- Boyd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,222; Sept. 4.
- Boyd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,223; Sept. 4.
- Boyd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 76,224; Sept. 4.
- Boyd, John S., assignor to John S. Boyd Co., Inc., Williams-town, Mass. Textile fabric. Des. 76,374; Sept. 25.
- Boyd, John S., Co. (See Boyd, John S., assignor.)
- Boyd, Louis, Connellsville, Pa. Leaf turner. 1,689,106; Oct. 23.
- Boyd, Samuel, Danielson, Conn., assignor to Draper Corporation, Hopedale, Mass. Filling wound-yarn carrier. 1,672,844; June 5.
- Boyd Textile Corporation. (See Boyd, John S., assignor.)
- Boyd, Truman O., et al. (See Ross, Warren A., assignor.)
- Boyd, William H., Passaic, N. J., assignor to Liptak Fire-Brick Arch Co., Mexico, Mo. Furnace wall. 1,657,453; Jan. 31.
- Boyden, Elias W., Spokane, Wash. Waving hair. 1,671,177; May 29.
- Boydston, Frank T. (See Wilson, Edwin W., assignor.)
- Boye, James H., Chicago, Ill. Tie back for side drapes. Des. 75,472; June 12.
- Boye, James H., Chicago, Ill. Curtain and portière rod. Des. 75,675; July 3.
- Boye, James H., Chicago, Ill. Curtain and portière rod. Des. 75,716; July 10.
- Boye, James H., Chicago, Ill. Curtain and portière rod. Des. 75,717; July 10.
- Boye, James H., Chicago, Ill. Curtain and portière rod. Des. 75,718; July 10.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain and portière rod. Des. 76,771; Nov. 6.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain and portière rod. Des. 76,772; Nov. 6.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain and portière rod. Des. 76,773; Nov. 6.
- Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
- Boye Needle Company, The. (See Flannery, John L., assignor.)
- Boyer, Alexander B., administrator. (See Cross, Charles S.)
- Boyer, Asberry, Canton, Mo. Valve-spring retainer. 1,658,403; Feb. 7.
- Boyer, Edwin S., Plainfield, N. J., assignor to American Hard Rubber Company, New York, N. Y. Battery box or the like and detachable handles therefor. 1,657,523; Jan. 31.
- Boyer, Ferdinand, and R. Weler, Paris, France. Arrangement for lifting the wheels of vehicles. 1,668,625; May 8.
- Boyer Fire Apparatus Company. (See Allen, J. E., and Schwoeppel, assignors.)
- Boyer, Willet. (See Updegrave, C. A., and Shollen-berger, assignors.)
- Boyetown Burial Casket Co. (See Mory, Enos L., assignor.)
- Boyes, Estella M., New York, N. Y. Dress or similar article. Des. 76,375; Sept. 25.
- Boyet, John F., Covington, Ky., assignor of one-half to W. W. Burns, Washington, D. C. Toy. 1,675,482; July 3.
- Boykin, Burwell, jr., Beaumont, Tex. Steel pitman. 1,657,146; Jan. 24.
- Boykin, Burwell, jr., Beaumont, Tex. Brake drum for bull wheels and the like. 1,674,851; June 26.
- Boykin, Robert O., assignor to N. B. Vail, Los Angeles, Calif. Cake former for continuous rotary filters. 1,666,279; Apr. 17.
- Boylan, Edward R., Los Angeles, Calif. Dying-out machine. 1,685,309; Sept. 25.
- Boyle, Clete L. (See Klingler, J. D., and Boyle.)
- Boyle, Eldridge R., Washington, D. C. Bathing compartment. 1,687,711; Oct. 16.
- Boyle, Frank H. (See Rogers, H. J., and Boyle.)
- Boyle, Jacob C., Indianapolis, Ind. Locomotive-cab-window protector. 1,665,019; Apr. 3.
- Boyle, Jacob C., Indianapolis, Ind. Locomotive cab-window protector. 1,674,423; June 19.
- Boyle, James F., assignor to Airships Incorporated, Hammondsport, N. Y. Inflatable boat. 1,686,366; Oct. 2.
- Boyle, James J., New York Mills, N. Y. Treating spun yarns in the course of their manufacture. 1,692,717; Nov. 20.
- Boyle, Leo V., et al. (See Lapierre, G. J., and Gilligan, assignor.)
- Boyle Manufacturing Company. (See Boyle, Willis J., jr., assignor.)
- Boyle Manufacturing Company. (See Newman, Henry R., assignor.)
- Boyle, William E., assignor, by mesne assignments, to Engineering Products Corporation, Inc., New York, N. Y. High-tension cable joint. 1,655,258; Jan. 3.
- Boyle, William E., and H. R. Searing, assignors to Engineering Products Corporation, Inc., New York, N. Y. Forming high-tension cable joints or splices for underground systems. 1,693,365; Nov. 27.
- Boyle, Willis J., jr., assignor to Boyle Manufacturing Company, Los Angeles, Calif. Pressure-test apparatus. 1,690,713; Nov. 6.
- Boyne, Frank C., Graton, Calif. Capsule injector. 1,694,246; Dec. 4.
- Boyne, John J., Buffalo, N. Y. Water-closet. 1,692,368; Nov. 20.
- Boynton, Alexander, San Antonio, Tex. Combination washing tool and swab. 1,664,283; Mar. 27.
- Boynton, Alexander, San Antonio, Tex. Polished-rod rotator. 1,667,240; Apr. 24.
- Boynton, Alexander, San Antonio, Tex. Device for cementing wells. 1,667,649; Apr. 24.
- Boynton, Alexander, San Antonio, Tex. Polished-rod rotor. 1,672,244; June 5.
- Boynton, Alexander, San Antonio, Tex. Polished-rod rotor. 1,673,223; June 12.
- Boynton, Alexander, San Antonio, Tex. Polished-rod rotor. 1,673,224; June 12.
- Boynton, Alexander, San Antonio, Tex. Method of and device for cementing wells. 1,673,616; June 12.
- Boynton, Alexander, San Antonio, Tex. Polished-rod rotator. 1,686,261; Oct. 2.
- Boynton, Alexander, San Antonio, Tex. Stage-lift flowing device. 1,686,262; Oct. 2.
- Boynton, Alexander, San Antonio, Tex. Rotary reamer. 1,686,403; Oct. 2.
- Boynton, Alexander, San Antonio, Tex. Method of and apparatus for cementing oil, gas, and water wells. 1,687,424; Oct. 9.
- Boynton, Charles B., East Orange, assignor to Perco Heater Corporation, Newark, N. J. Boiler. 1,664,914; Apr. 3.
- Boynton, Garwood T., assignor of one-half to M. L. Hahn, Dayton, Ohio. Pneumatically-controlled air valve. 1,681,278; Aug. 21.
- Boynton, Jesse L., assignor of fifty per cent to C. A. Marshall, New York, N. Y. Method and apparatus for timing the use of electrical circuits. 1,664,873; Apr. 3.
- Boynton, Sidney H., Los Angeles, Calif. Making mosaic. 1,666,232; Apr. 17.
- Boynton, Solon D., Boston, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,691,004; Nov. 6.
- Boynton, Stanley E., Oak Park, assignor to C. E. Reed, McHenry Township, Ill. Lathe. 1,662,561; Mar. 13.
- Boynton, Stanley E., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working apparatus. 1,667,028; Apr. 24.
- Boynton, Stanley E., Rochester, N. Y., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Shaping machine for irregular forms. 1,691,429; Nov. 13.
- Boynton, Vern K., Beaumont, Tex., assignor to Perry & Webster, Inc., New York, N. Y. Apparatus for fume control. 1,675,403; July 3.
- Boyrie, Harry E., San Francisco, Calif., assignor to Andrews-Bradshaw Company, Pittsburgh, Pa. Fluid separator. 1,674,945; June 26.
- Boyrie, Harry E., San Francisco, Calif., assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Separator. 1,686,066; Oct. 2.

- Boyron, Gaston, New York, N. Y. Submarine safety device. 1,674,791; June 19.
- Boys, Charles V., Westminster, London, England. Heat interchanger. 1,680,850; Aug. 14.
- Boyton, John C., Cleveland, Ohio. Conduit clamp. 1,687,750; Oct. 16.
- Boyton, John C., Cleveland, and W. H. Doodridge, Lakewood, Ohio. Conduit fitting. 1,669,447; May 15.
- Boys, Porter & Co. (See McGee, E. I., and Reid, assignors.)
- Bo-Zar Engraving Studios, Inc. (See Sass, Fred, assignor.)
- Bozeman, John F., West Columbia, and J. D. Cole, Orange, Tex. Drill stem. 1,662,358; Mar. 13.
- Božić, Dobrovoje, Belgrade, Serbia. Distributor for fluid-pressure brakes. 1,679,348; Aug. 7.
- Bozonier, Eddy. (See Williams, C., and Francois, assignors.)
- Brace, Porter H. (See Harrington, G. F., and Brace.)
- Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,655,983; Jan. 10.
- Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermo-static material. 1,660,911; Feb. 28.
- Brace, Porter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Permanent-magnet steel. 1,678,001; July 24.
- Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,680,407; Aug. 14.
- Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Loud speaker. 1,685,979; Oct. 2.
- Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermo-static element. 1,689,814; Oct. 30.
- Brace, Porter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-responsive device. 1,695,877; Dec. 18.
- Brace, William R., Newark, N. J. Metal door. 1,687,537; Oct. 16.
- Bracewell, Russell S., South Hadley, Mass., assignor to The Marvellum Company. Dye printing fabrics with a free nonrepeated design. 1,668,934; May 8.
- Brach, E. J., & Sons. (See Stryker, Auriol M., assignor.)
- Brach, Emil J. (See Morrison, R. F., and Elder, assignors.)
- Brach, Leon S., East Orange, assignor to L. S. Brach Manufacturing Co., Newark, N. J. Extension-cord connector. 1,669,038; May 8.
- Brach, Leon S., East Orange, assignor to L. S. Brach Manufacturing Co., Newark, N. J. Electric soldering iron. 1,669,039; May 8.
- Brach, L. S., Manufacturing Co. (See Brach, Leon S., assignor.)
- Brack, Conrad M., Great Bend, Kans. Rotary spiral plow. 1,690,922; Nov. 6.
- Brack, Julius L., Twining, Mich. Cultivator. 1,675,636; July 3.
- Bracken, William A., assignor of one-half to W. B. Jones, Augusta, Kans. Awning. 1,672,600; June 5.
- Brackenbury, Lionel B. (See Brackenbury, William L. and L. B.)
- Brackenbury, William L. and L. B., El Centro, Calif. Ball-race housing means for differential transmission mechanisms. 1,668,352; May 1.
- Brackensey, Auguste H., London, England. Sign. 1,668,449; May 1.
- Brackett, Edward M., et al. (See Mulroney, John E., assignor.)
- Brackett, Edward M. and F. M., Topeka, Kans. Strip-feeding device. 1,670,337; May 22.
- Brackett, Edward M. and F. M., Topeka, Kans. Cut-off mechanism for stripping machines. 1,678,667; July 31.
- Brackett, Edward M. and F. M., Topeka, Kans. Intermit-tent feeding device. 1,694,202; Dec. 4.
- Brackett, Francis W., Colchester, England. Screening apparatus. 1,684,305; Sept. 11.
- Brackett, Fred, et al. (See Mulroney, John E., assignor.)
- Brackett, Fred M. (See Brackett, Edward M. and F. M.)
- Brackett Stripping Machine Company, The. (See Mulroney, John E., assignor.)
- Bradburn, Curtis E., Garden City, Kans. Jack. 1,696,520; Dec. 25.
- Bradbury, Clifford C., Glencoe, Ill., assignor to Hydraulic Brake Company, Detroit, Mich. Nonexpansive hose. 1,666,365; Apr. 17.
- Bradbury, Clifford C., Glencoe, Ill. Variable-pitch gear. 1,675,596; July 8.
- Bradbury, George E., Chicago, Ill. Fastening. 1,687,538; Oct. 16.
- Bradbury, George E., Chicago, Ill. Building and construction. 1,689,320; Oct. 30.
- Bradbury, Royall D., Andover, Mass. Fabric structure. 1,668,935; May 8.
- Bradbury, Stone & Company. (See Stone, Jerome N., assignor.)
- Bradbury, Walter W., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wood-wheel-turning machine. 1,661,320; Mar. 6.
- Braddock, Edward I., deceased, Cleveland, Ohio; R. H. Montgomery, executor. Gear chain. 1,685,019; Sept. 18.
- Braddock, Edward I., deceased, Cleveland, Ohio; R. H. Montgomery, executor. Slip joint. 1,690,714; Nov. 6.
- Braden, Marshall H., assignor to The Nu-Way Corporation, Rock Island, Ill. Hot-water heater. 1,691,334; Nov. 13.
- Bradford, Allen, Portland, Oreg. Airship. 1,656,137; Jan. 10.
- Bradford, Charles W., Southgate, Calif. Oil radiator. 1,666,485; Apr. 17.
- Bradford, Henry B., Wilmington, assignor to Edge Moor Iron Company, Edge Moor, Del. Water tube for furnace walls. 1,677,887; July 24.
- Bradford, Nathan T., Terra Bella, Calif. Pump. 1,668,708; May 8.
- Bradford Patents Corporation, The. (See Rodman, Thomas E., assignor.)
- Bradley, Addison B., Indianapolis, Ind. Hand washer for clothes. 1,663,109; Mar. 20.
- Bradley, Charles E., and C. D. Mason, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear lining. 1,677,428; July 17.
- Bradley, Charles E., and G. L. Van Dinter, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastener-covering method and means. 1,693,805; Dec. 4.
- Bradley, Charles E., and G. L. Van Dinter, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Fastener covering and making same. 1,693,835; Dec. 4.
- Bradley, Edward E., Stonington, Conn., and I. R. Rowe, Westerly, R. I., assignors to The Atwood Machine Company, Stonington, Conn. Winding and reeling machine. 1,676,885; July 10.
- Bradley, Frank L., Cincinnati, Ohio. Building block or brick. 1,689,107; Oct. 23.
- Bradley, James P., and O. A. Prough, Weed, Calif. Theft signal switch. 1,667,650; Apr. 24.
- Bradley, Leslie C., assignor to W. & T. Avery, Limited, Birmingham, England. Coin-freed delivery mechanism. 1,663,508; Mar. 20.
- Bradley, Merrill L., Detroit, assignor to Universal Power Shovel Company, Highland Park, Mich. Clutch mechanism and control therefor. 1,677,327; July 17.
- Bradley Pulverizer Company. (See Gibson, William A., assignor.)
- Bradley Pulverizer Company. (See Gibson, W. A., and Burke, assignors.)
- Bradley Washfountain Company (See Heine, Herman E., assignor.)
- Bradley Washfountain Company. (See Schlesinger, L., and Heine, assignors.)
- Bradley, William A., deceased; I. S. Thyle, administrator, San Francisco, Calif. Automatic discharge valve. 1,664,020; Mar. 27.
- Bradley, William H., Ripon, Calif. Preparing and preserving citrus fruit. 1,673,493; June 12.
- Bradley, William T., Linn, Mo. Sharpening apparatus. 1,666,678; Apr. 17.
- Bradnack, John H., New Haven, Conn., assignor to The Tubular Products Company, Southington, Conn. Smoker's stand. Des. 76,518; Oct. 9.
- Bradnack, John H., New Haven, assignor to The Tubular Products Company, Southington, Conn. Smoker's stand. 1,681,025; Aug. 14.
- Bradnack, John H., New Haven, assignor to The Tubular Products Company, Southington, Conn. Stand for smoker's sets. 1,681,026; Aug. 14.
- Bradner, Donald B., Gordon Heights, Del. Purification of organic compounds. 1,696,539; Dec. 25.
- Bradner, Donald B., Hamilton, Ohio, assignor, by mesne assignments, to Federal Laboratories, Inc., Pittsburgh, Pa. Method and apparatus for dispersing toxic and other irritant substances. Rel.8,841; Jan. 3.
- Bradner, Donald B., Edge Moor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing basic aluminum sulphate and the product thereof. 1,663,435; Mar. 20.
- Bradner, Donald B., Philadelphia, Pa., and N. E. Oglesby, Edgewood, Md., assignors, by mesne assignments, to Federal Laboratories, Inc., Pittsburgh, Pa. Process and apparatus for dispersing irritants. 1,695,223; Dec. 11.
- Bradner, Hosea T., Cleveland, Ohio. Match package. 1,682,110; Aug. 28.
- Bradnow, Ernest W. (See Koeppler, Albert C., assignor.)
- Bradshaw, Charles A., et al. (See Fawcett, Alvin A., assignor.)
- Bradshaw, Charles T., assignor to E. Carraigne, Philadelphia, Pa. Electric motor. 1,679,957; Aug. 7.
- Bradshaw, Frank F., Oxford, N. C. Apparatus for loading and unloading aeroplanes while in flight. 1,654,957; Jan. 3.
- Bradshaw, Grant D., Pittsburgh, assignor, by mesne assignments, to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,678,844; July 31.
- Bradshaw, Grant D., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Fluid separator. 1,686,067; Oct. 2.
- Bradshaw, Hawley S., et al. (See Fawcett, Alvin A., assignor.)

- Bradshaw, Julius C., Mobile, Ala. Railroad crossing. 1,687,054; Oct. 9.
- Bradshaw, Lawrence, Bainbridge, N. Y. Sized cellulose-fiber product and making. 1,672,705; June 5.
- Bradshaw, William M., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,686,727; Oct. 9.
- Bradshaw, William M. and C. A. Boddie, Wilkensburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Water-wheel regulator. 1,658,965; Feb. 14.
- Brady, Arthur C., Brooklyn, assignor to Chas. Freshman Co. Inc., New York, N. Y. Rheostat. 1,691,916; Nov. 20.
- Brady, Charles R., Toronto, Ontario, Canada. Mechanical toy. 1,655,984; Jan. 10.
- Brady, Charles T., Detroit, Mich. Combination smoking stand and lamp. Des. 74,165; Jan. 3.
- Brady, Charles T., Detroit, Mich. Parlor lamp. Des. 74,411; Feb. 14.
- Brady, Charles T., Detroit, Mich. Illuminated hand magnifying glass. Des. 74,719; Mar. 20.
- Brady, Charles T., Detroit, Mich. Dental wall lamp. Des. 74,777; Mar. 27.
- Brady, Charles T., Detroit, Mich. Illuminated hand magnifying glass. Des. 76,519; Oct. 9.
- Brady, Charles T., Detroit, Mich. Illuminated hand glass. Des. 77,288; Dec. 25.
- Brady, Charles T., Detroit, Mich. Desk unit magnifying lamp. Des. 77,289; Dec. 25.
- Brady, Charles T., Detroit, Mich. Examination lamp. 1,680,126; Aug. 7.
- Brady, Francis E., jr., Muncie, Ind., assignor of one-third to R. A. Oppenheim and one-third to D. Oppenheim, Detroit, Mich. Rotary pump. 1,671,399; May 29.
- Brady, Glen D., Detroit, Mich., and A. C. Roebuck, assignors to The Enterprise Optical Manufacturing Company, Chicago, Ill. Carbon holder. 1,659,576; Feb. 21.
- Brady, Helen S., Tacoma, Wash. Door-opening mechanism. 1,671,222; May 29.
- Brady, James F., South Milford, Ind. Moth trap. 1,658,589; Feb. 7.
- Brady, Terrice G., and C. Nelkin, New York, N. Y. Fabric grip. 1,683,125; Sept. 4.
- Brady, Thomas, East Orange, N. J. Game. 1,662,231; Mar. 13.
- Brady, Thomas, East Orange, assignor to Otis Elevator Company, Jersey City, N. J. Gate. 1,654,857; Jan. 3.
- Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Electromechanical interlock. 1,665,526; Apr. 10.
- Brady, Thomas, East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Retiring cam. 1,669,075; May 8.
- Brady, Thomas, East Orange, assignor to Otis Elevator Company, Jersey City, N. J. Lubricating mechanism. 1,680,761; Aug. 14.
- Brady, Thomas, East Orange, N. J., assignor, by mesne assignments, to Otis Elevator Company, New York, N. Y. Door-closure mechanism. 1,685,081; Sept. 25.
- Brady, Thomas, East Orange, assignor to Otis Elevator Company, Jersey City, N. J. Gate mechanism. 1,685,225; Sept. 25.
- Brady, William. (See Hachenberg, Louis, assignor.)
- Brady, William A., Ohiopyle, Pa. Hammer attachment for paintbrushes. 1,667,651; Apr. 24.
- Braecklein, Alfred H., assignor to J. F. Hindes and G. A. Frick, trustees, Baltimore, Md. Mask. 1,671,010; May 22.
- Braecklein, Alfred H., assignor, by mesne assignments, to J. F. Hindes and G. A. Frick, trustees, Baltimore, Md. Inhaler. 1,671,011; May 22.
- Braemer, William G. R., Haddonfield, N. J., assignor to Universal Humidifying Company. Humidifying apparatus. 1,656,414; Jan. 17.
- Braff, Albin F., and F. Ottoson, Superior, Wis. Door-check and holder. 1,655,008; Jan. 3.
- Braff, Albin F., and F. Ottoson, Superior, Wis. Door-check and holder. 1,661,164; Mar. 6.
- Bragard, Theodor, assignor to Macao-Walzenmuhlen-Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Apparatus for milling chocolate and like plastic materials. 1,656,164; Jan. 17.
- Bragdon, Herbert J., assignor to Chicago Stopper Company, Chicago, Ill. Bottle stopper. 1,656,165; Jan. 17.
- Bragdon, Herbert J., assignor to Chicago Stopper Co., Chicago, Ill. Stopper. 1,658,917; Feb. 14.
- Bragg, Alfred O., Niagara Falls, N. Y., assignor to International Bleaching Corporation. Bleaching animal and vegetable materials. 1,662,951; Mar. 20.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Safety control for power-actuated brake mechanism. 1,658,325; Feb. 7.
- Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Poppet-valve mechanism for power actuators and the like. 1,679,762; Aug. 7.
- Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
- Bragg-Kliesrath Corporation. (See Price, Harold W., assignor.)
- Bragonier, Reginald. (See Meyers, F. B., and Darney, assignors.)
- Brahman, Herbert G., Hillsdale, Mich. Roost and dropping board assembly. 1,688,780; Oct. 23.
- Brainard, Florence H., Loue Rock, Wis. Varnish and paint removing compound. 1,657,147; Jan. 24.
- Brainard, Frank K., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electromagnetic clutch. 1,671,057; May 22.
- Brainard, George C. (See Fitch, J. A., and Brainard.)
- Brainard, George C., J. A. Fitch, and E. E. Wolters, assignors to The General Fireproofing Company, Youngstown, Ohio. Fireproof safe construction. 1,666,486; Apr. 17.
- Brainard, George C., J. A. Fitch, and G. T. Gourley, assignors to The General Fireproofing Company, Youngstown, Ohio. Adjustable-compartment metal drawer. 1,677,544; July 17.
- Brainard, Lewis J. (See Sykes, Charles J., assignor.)
- Brainard, William W., New York, N. Y. Hog gambrel. 1,695,138; Dec. 11.
- Braitmayer, Otto E., assignor to The Tabulating Machine Company, New York, N. Y. Duplicating machine. 1,691,917; Nov. 20.
- Brake, George U., Fort Wayne, Ind. Window-cleaning device. 1,661,358; Mar. 6.
- Bramble, Jesse, assignor to The Graham Glass Company, Evansville, Ind. Bottle or the like. Des. 77,052; Dec. 4.
- Bramble, Jesse, assignor to The Graham Glass Company, Evansville, Ind. Bottle or the like. Des. 77,053; Dec. 4.
- Bramble, Jesse, assignor to The Graham Glass Company, Evansville, Ind. Bottle or the like. Des. 77,054; Dec. 4.
- Bramley, Matthew F., Cleveland, Ohio. Subgrade runway. 1,668,546; May 8.
- Bramley-Moore, Swinfen, White Plains, N. Y. Crushing, grinding, and refining machine. 1,692,884; Nov. 27.
- Bramley-Moore, Swinfen, White Plains, N. Y., assignor of one-half to J. McIntyre, Portobello, Midlothian, Scotland. Grinding, refining, and mixing machine. 1,675,191; June 26.
- Bramley-Moore, Swinfen, White Plains, N. Y., assignor of one-half to J. McIntyre, Portobello, Midlothian, Scotland. Grinding, refining, and mixing machine. 1,692,903; Nov. 27.
- Brammer, Anthony C. (See Meier, E. C., and Brammer.)
- Branagan, Leo P. (See Doogood, L. J., and Branagan.)
- Branan, Frank. (See Greene, Frederic C., assignor.)
- Branch, Benjamin A., and G. C. Schnurr, Long Beach, Calif. Saw-filing machine. 1,678,279; July 24.
- Branch, Burl, Toronto, Ontario, Canada. Barking drum. 1,672,300; June 5.
- Branchen, Leonard E. (See Prachel, C. U., and Branchen.)
- Branchen, Leonard E., and C. U. Prachel, assignors to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity characteristics of cellulose acetate. 1,658,368; Feb. 7.
- Brand, Achill W., Morro Bay, Calif. Exercise cushion. 1,668,489; May 1.
- Brand, Charles, White Plains, assignor to Ajax-Brand Lock Corporation, New York, N. Y. Safety door fastener. 1,684,790; Sept. 18.
- Brand Company. (See Laughlin, Robert, assignor.)
- Brand, Edward D., assignor to The McClary Manufacturing Co., London, Ontario, Canada. Electric element. 1,680,010; Aug. 7.
- Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Variable-ratio transformer. 1,658,664; Feb. 7.
- Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Protective apparatus. 1,681,514; Aug. 21.
- Brand, George P., Westport, Conn. Transmission and tracker mechanism unit. 1,686,225; Oct. 2.
- Brand, Harry R., New York, N. Y. Mechanism for controlling business. 1,672,362; June 5.
- Brand, Harry R., New York, N. Y. Commodity control. 1,682,827; Sept. 4.
- Brand, Harry R., New York, N. Y. Mechanism and method for controlling business. 1,682,828; Sept. 4.
- Brand, John J. F., assignor to Hydraulic-Press Brick Company, Roseville, Ohio. Embossing machine for bricks. 1,672,747; June 5.
- Brand, Smart, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Multiplex signaling system. 1,669,448; May 15.
- Brand, Smart, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Multiplex signaling system. 1,669,449; May 15.
- Brand, Smart, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Synchronization in multiplex signaling. 1,669,450; May 15.
- Brandau, Harold L., assignor to Huttig Manufacturing Co., Muscatine, Iowa. Automatic core cutter and laying-up machine. 1,663,335; Mar. 20.
- Brandegger, Willy, Stuttgart, Germany. Sound-producing instrument. 1,678,553; July 24.
- Brandell, Claus O., Chicago, assignor to Concrete Tile Machinery Company, Cicero, Ill. Tile-making machine. 1,659,349; Feb. 14.
- Brandes Laboratories, Inc. (See Brigham, Cecil E., assignor.)
- Brandes Laboratories Inc. (See Celenza, Nicholas J., assignor.)

- Brandes Laboratories, Inc. (See Gerns, William H., assignor.)
- Brandes Laboratories, Inc. (See Ghormley, Joseph M., assignor.)
- Brandes Laboratories, Inc. (See Moss, David H., assignor.)
- Brandes Laboratories, Inc. (See Oakley, G. E. J., and Smith, assignors.)
- Brandes Laboratories, Inc. (See Ray, John N., assignor.)
- Brandes Laboratories, Inc. (See Rowe, Charles R., assignor.)
- Brandes Laboratories, Inc. (See Vansickle, Melvin E., assignor.)
- Brandes Laboratories, Inc. (See White, Charles D., assignor.)
- Brandes Laboratories, Inc. (See Worthington, Everett, assignor.)
- Brandford, Iver M., Roman, Mont. Windmill. 1,670,186; May 15.
- Brandl, Robert B., St. Paul, Minn. Sheet-metal joint. 1,669,690; May 15.
- Brandon, Arthur H., Los Angeles, Calif. Automatic vibrating power shut-off. 1,679,929; Aug. 7.
- Brandon, Della, Oak Park, Ill. Skin preparation. 1,675,840; July 3.
- Brandon, Martin, Toledo, Ohio. Container and manufacturing same. 1,669,691; May 15.
- Brandstetter, Josef, Chicago, Ill. Automatic stop for electrically-driven phonographs. 1,684,084; Sept. 11.
- Brandt, Abram, assignor to Jos. Brandt & Bro., New York, N. Y. Artificial-horsehair upholstery fabric. 1,676,886; July 10.
- Brandt Automatic Cashier Company. (See Brandt, Edward J., assignor.)
- Brandt, Carl A. (See Brooks, C. E., and Brandt.)
- Brandt, Carl A., Great Neck, N. Y. Water screen. 1,676,245; July 10.
- Brandt, Carl A. W., Great Neck, assignor to The Superheater Company, New York, N. Y. Boiler. 1,680,127; Aug. 7.
- Brandt, Carl A. W., Great Neck, assignor to The Superheater Company, New York, N. Y. High-pressure water-tube boiler. 1,680,128; Aug. 7.
- Brandt, Charles D., New York, N. Y. Radiator cover. 1,668,538; May 1.
- Brandt, David G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for treating oil. 1,681,321; Aug. 21.
- Brandt, Edward J., assignor to Brandt Automatic Cashier Co., Watertown, Wis. Coin-paying machine. 1,665,343; Apr. 10.
- Brandt, Edward J., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin-sorting machine. 1,668,626; May 8.
- Brandt, Edwin P., Casper, Wyo. Snubber. 1,657,953; Jan. 31.
- Brandt, Francis J., assignor of two-thirds to Hollweck & Bauer, Philadelphia, Pa. Indicating means for vending machines. 1,686,949; Oct. 9.
- Brandt, Harrison D., Sharon Hill, Pa. Necktie press. 1,662,562; Mar. 13.
- Brandt, John W., Elyria, Ohio. Cycle saddle. 1,670,563; May 22.
- Brandt, Jos., & Bro. (See Brandt, Abram, assignor.)
- Brandt, Otto C., St. Paul, Minn. Hose coupling. 1,668,547; May 8.
- Brandt, Rudolph, assignor to Petry and Brandt, San Francisco, Calif. Machine for drilling and counter-sinking brake linings. 1,678,207; July 24.
- Brandt, Stella, New York, N. Y., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. Des. 76,225; Sept. 4.
- Brandt, Stella, New York, N. Y., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. Des. 76,226; Sept. 4.
- Brandt, Stella, New York, N. Y., assignor to Waite Carpet Company, Oshkosh, Wis. Rug. Des. 76,284; Sept. 11.
- Brandt, William F. (See Baker, L. E., and Brandt.)
- Brandt, William F., assignor to Wayne Company, Fort Wayne, Ind. Foot valve. 1,681,169; Aug. 21.
- Brandtjen & Kluge, Incorporated. (See Kluge, Abel and E., assignors.)
- Brandwein, Henry G., Chicago, Ill. Mattress. 1,666,280; Apr. 17.
- Brandwood, John, Southport, England, and J. Brandwood, Waban, Mass. Winding of yarns upon beams. 1,688,800; Oct. 23.
- Brandwood, Joseph. (See Brandwood, John and J.)
- Brandwood, Joseph, Waban, Mass. Bobbin. 1,669,451; May 15.
- Branington, Edwin O., assignor of one-half to O. A. Peters, Rochester, N. Y. Water motor. 1,661,872; Mar. 6.
- Brann & Wolff. (See Ackermann, Gottlieb, assignor.)
- Branner, George R., Daytona, Fla. Animal collar. 1,688,261; Oct. 16.
- Brannock, Charles F., Syracuse, N. Y. Foot-measuring instrument. 1,682,366; Aug. 28.
- Brannstrom, Gustaf V., and V. J. Carlson, Chicago, Ill. Brush. 1,689,517; Oct. 30.
- Bransky, Oscar E. (See Glair, H. F., and Bransky.)
- Bransky, Oscar E., assignor to Standard Oil Company, Whiting, Ind. Oil-soluble naphthalene compound. 1,681,657; Aug. 21.
- Branson, David E., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Apparatus and method for electrical transmission of pictures. 1,687,489; Oct. 16.
- Branson, David E., Bloomfield, N. J., and R. B. Shanck, Flushing, N. Y., assignors to American Telephone and Telegraph Company. Composite set. 1,681,216; Aug. 21.
- Branson, Earl, Vannack, Mont. Body brace. 1,678,584; July 24.
- Branson, James E., Cincinnati, Ohio. Machine for cutting concave surfaces. 1,688,781; Oct. 23.
- Branson, Walter J., assignor, by mesne assignments, to Robbins & Myers, Inc., Springfield, Ohio. Centrifugal operating mechanism. 1,694,700; Dec. 11.
- Branston, Bernard, Brooklyn, assignor to Lehman Brothers Silverware Corporation, New York, N. Y. Beverage urn or similar article. Des. 75,473; June 12.
- Brant, Don D., Long Beach, Calif. Sucker rod elevator. 1,657,780; Jan. 31.
- Branthaver, Milton E., Shadygrove, Pa., assignor to The American Milling and Refining Company. Apparatus for the treatment of ores. 1,681,695; Aug. 21.
- Branthaver, Milton E., Shadygrove, Pa., assignor to The American Milling and Refining Company. Liquid treatment of roasted ores. 1,681,696; Aug. 21.
- Brantley, John E., Upper Darby, assignor to Atlantic Oil Producing Company, Philadelphia, Pa. System of determining core dip. 1,692,885; Nov. 27.
- Brantley, Oliver W., Jackson Heights, and W. M. Brantley, assignors to Careful Carpet Cleaning Company, Incorporated, New York, N. Y. Cleaning machine. 1,654,635; Jan. 3.
- Brantley, Oliver W., Jackson Heights, and W. M. Brantley, Elmhurst, assignors to Careful Carpet Cleaning Company, Incorporated, New York, N. Y. Cleaning machine. 1,654,676; Jan. 3.
- Brantley, Warner M. (See Brantley, Oliver W. and W. M.)
- Branum, Solomon C., assignor of one-half to J. E. Mason, Oklahoma City, Okla. Sack holder. 1,678,852; July 10.
- Braren, Lorenz K., Munich, assignor to firm: Friedrich Deckel Präzisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Gear transmission. 1,694,031; Dec. 4.
- Brase, Wilhelm, assignor of one-half to C. Graaff, Berlin, Germany. Sewing machine with several needles. 1,676,853; July 10.
- Braselton, Chester H. (See MacLaren, Fred B., assignor.)
- Braselton, Chester H., New York, N. Y. Liquid-supply system. 1,686,891; Oct. 9.
- Braselton, Chester H., Toledo, Ohio. Producing white lead. 1,655,723; Jan. 10.
- Brass Goods Mfg. Co. (See Hyatt, Frank S., assignor.)
- Brass Products Company. (See Kuehl, Herman W., assignor.)
- Brassett, H. A., & Company. (See Dougan, Charles E., assignor.)
- Brassett, Herman A., Kenilworth, Ill. Die block and treating steel for use in the manufacture thereof. 1,687,825; Oct. 16.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Stencil duplicating machine. 1,666,193; Apr. 17.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Interleaving device. 1,682,699; Aug. 28.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Control mechanism for interleaving duplicating machines. 1,682,700; Aug. 28.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Mount for drawing tables and the like. 1,683,443; Sept. 4.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Stencil duplicating machine. 1,687,003; Oct. 9.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Static-discharge device for rotary stencil duplicating machines. 1,696,750; Dec. 25.
- Brassington, John W., Port Arthur, Ontario, Canada, assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Paper-manufacturing machine. 1,660,643; Feb. 28.
- Braswell, Alfred P., Bellflower, Calif. Weight regulator for rotary drills. 1,660,033; Feb. 21.
- Bratt, Harry C., Dayton, Ohio. Golf tee or the like. 1,681,391; Aug. 21.
- Brauckmeyer, Rudolf, Grunberg i/Schlesien, Germany. Degreasing raw wool. 1,693,106; Nov. 27.
- Brauer, Arthur J., Glendale, F. P. Wagner, and W. S. Overton, assignors to Brauer Bros. Shoe Co., St. Louis, Mo. Making boots or shoes. 1,661,321; Mar. 6.
- Brauer Bros., Inc. (See Brauer, Edward J., assignor.)
- Brauer Bros. Mfg. Co. (See Brauer, Edward J., assignor.)
- Brauer Bros. Shoe Co. (See Brauer, A. J., Wagner, and Overton, assignors.)
- Brauer, Edward J., St. Louis, Mo., assignor to Brauer Bros., Inc. Holster. 1,696,708; Dec. 25.
- Brauer, Edward J., University City, assignor to Brauer Bros. Mfg. Co., St. Louis, Mo. Golf bag. 1,655,532; Jan. 10.
- Brauer, Walter, Seminole, Okla. Valve-seat puller. 1,683,757; Sept. 11.

- Brauer, Walter, Seminole, Okla. Hydraulic casing hook. 1,696,378; Dec. 25.
- Braugh, Roger S., Seattle, Wash. Flying machine. 1,656,468; Jan. 17.
- Brault, François, and André Cordier, Levallois-Perret, France. Brake mechanism. 1,694,203; Dec. 4.
- Braun, Carl F., San Francisco, Calif. Evaporator and method of operation. 1,662,142; Mar. 13.
- Braun, Carl F., Pasadena, Calif. Heat-exchange apparatus. 1,662,143; Mar. 13.
- Braun, Carl F., Pasadena, Calif. Heat-exchanging apparatus. 1,683,236; Sept. 4.
- Braun, Gaius A. (See Maury, Alfred D., assignor.)
- Braun, Harry L., assignor to A. M. Boegel, Toronto, Ontario, Canada. Floor polisher. 1,660,412; Feb. 28.
- Braun, Herman F. (See Laughlin, S. L., Braun, and Smith.)
- Braun, Justus, Nuremberg, Germany. Compressor. 1,664,733; Apr. 3.
- Braun, Nicholas, St. Louis, Mo. Outlet hood. 1,695,527; Dec. 18.
- Braun, Philip N. (See Christ, S. R., and Braun.)
- Braun, Philip N. (See Clisson, A. B., and Braun.)
- Braun, Philip N., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Shirt-pressing machine. (cuff, yoke, and neckband.) 1,669,076; May 8.
- Braun, Philip N., assignor to The Prosperity Company Inc., Syracuse, N. Y. Valve mechanism for pressing machines. 1,674,240; June 19.
- Braun, Philip N., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,676,423; July 10.
- Braun, Philip N., assignor to the Prosperity Company Inc., Syracuse, N. Y. Pressing machine. 1,679,019; July 31.
- Braun, Philip N., assignor to The Prosperity Company Inc., Syracuse, N. Y. Shirt-pressing machine (tail holder). 1,686,811; Oct. 2.
- Braun, Philip N., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Combined laundry pressing machine and work conveyer. 1,687,967; Oct. 16.
- Braun, Philip N., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Multiple-pressing machine. 1,691,635; Nov. 13.
- Braun, Philip N., and S. T. Hart, assignors, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pad for pressing machines. 1,665,654; Apr. 10.
- Braun, William F. H., Wynnewood, assignor to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Lawn mower. 1,663,900; Mar. 27.
- Braunsdorf, Otto, E. Holzapfel, Hochst-on-the-Main, and P. Nawiasky, Ludwigshafen-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Halogen derivative of the benzanthrone series and making same. 1,677,545; July 17.
- Braunsdorf, Reginald K. (See Moffit, T. O., and Braunsdorf.)
- Braunstein, Achille, assignor to Anchor Corrugating Construction Co., New York, N. Y. Building construction. 1,688,134; Oct. 16.
- Braus, Leon, New York, N. Y. Sofa. Des. 74,657; Mar. 13.
- Brautigam, George W. (See Koenig, E. O., and Brautigam.)
- Brawn, Dennis F., assignor, by mesne assignments, to Eaton Axle & Spring Company, Cleveland, Ohio. Bracing means for tubular filler members. 1,682,367; Aug. 28.
- Bray, Joseph F., Westerly, R. I. Steam bobbin. 1,654,525; Jan. 3.
- Bray, Mellen N., assignor to Tubular Rivet & Stud Company, Boston, Mass. Machine for setting fasteners. 1,672,149; June 5.
- Bray, Mellen N., assignor to Tubular Rivet & Stud Company, Boston, Mass. Fastener-inserting machine. 1,683,652; Sept. 11.
- Bray, Norris B., Kimball, S. Dak. Weather stripping for doors and windows. 1,658,282; Feb. 7.
- Bray, Patrick H., Huntington Beach, Calif. Packer for working barrels. 1,692,485; Nov. 20.
- Bravman, Benjamin. (See Zelkowitz, Nathan and H. L., and Bravman.)
- Brayton, Ernest, et al. (See Harris, Marie, assignor.)
- Brayton, Grant E., et al. (See Leeper, Jesse C., assignor.)
- Brayton, Harold M., Dover, N. J. Combination fuse. 1,655,591; Jan. 10.
- Brayton, Harold M., Dover, N. J. Locking device for fuses. 1,662,952; Mar. 20.
- Brayton, Harold M., Dover, N. J. Combination instantaneous and delay fuse. 1,672,150; June 5.
- Brayton, Harold M., Dover, N. J. Powder time fuse. 1,675,530; July 3.
- Brayton, Harold M., Dover, N. J., assignor to Secretary of War of the United States of America. Supersensitive fuse for drop bombs. 1,690,331; Nov. 6.
- Breecinski, Carl, Mauston, Wis. Elevating grain. 1,686,793; Oct. 9.
- Breaker, Harry O., Buffalo, N. Y. Heat-treating furnace. 1,694,964; Dec. 11.
- Breakstone Bros. Inc. (See Josephson, Louis, assignor.)
- Brecht, Emil, and R. Fugmann, Guben, Germany. Blowing machine for the manufacture of hats. 1,679,851; Aug. 7.
- Brecht, Emil, and R. Fugmann, Guben, Germany. Manufacture of wool felts. 1,694,032; Dec. 4.
- Breckenridge, Gerald F. (See Crowell, R. B., and Breckenridge.)
- Breckenridge, Karl S., Chicago, Ill., assignor to American Can Company, New York, N. Y. Can. 1,690,441; Nov. 6.
- Bredbury, Owen W., Reading, Mass. Loosening roll for carding machines. Re16,893; Mar. 13.
- Bredel, Frederick A., St. Louis, Mo. Coking retort oven. 1,657,657; Jan. 31.
- Bredenberg, Alfred Camplain, N. Y., assignor of one-half to T. W. & C. B. Sheridan Company, and one-half to The Sheridan Iron Works. Press. 1,687,968; Oct. 16.
- Bredsvold, Paul A., Chicago, Ill. Reflecting lamp shade. Des. 75,148; May 15.
- Breed, Alfred V., assignor to Curtis Machine Corporation, Jamestown, N. Y. Wood-carving machine. 1,689,108; Oct. 23.
- Breed, Charles W., Western Springs, Ill. Splice bar. 1,690,471; Nov. 6.
- Breed, James S., Houston, Tex. Lineman's wrench. 1,659,015; Feb. 14.
- Breeden, Alfred J., Grinnell, Iowa. Catcher attachment for lawn sweepers and the like. 1,664,659; Apr. 3.
- Breedon, Edward V., et al. (See Browning, Robert D., assignor.)
- Breen, Emma B., Houston, Tex. Lingerie clasp. 1,685,020; Sept. 18.
- Breen, Frederick P., Springfield, Mass. Spiral drive device. 1,685,702; Sept. 25.
- Breer, Carl. (See Freeman, L. C., Maynard, and Breer.)
- Breer, Carl, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Making piston pins. 1,670,564; May 22.
- Breese, Charles P. (See Brown, E., and Breese.)
- Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Fluid-fuel-burning apparatus. 1,660,857; Feb. 28.
- Breese, James L., jr., Lake Forest, assignor to Oil Devices Corporation, Chicago, Ill. Burning liquid fuels. 1,680,085; Aug. 7.
- Breeze, Fred, jr., Wyoming, Ohio, assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Packing asphalt. 1,666,730; Apr. 17.
- Brégeat, Jean H., Paris, France. Recovery of volatile solvents. 1,663,155; Mar. 20.
- Bréguet, Louis, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Propeller. 1,663,512; Mar. 20.
- Breidenbach, George, Chicago, Ill. Removable closure. 1,676,379; July 10.
- Breidenbach, Henry C., Dayton, Ohio. Veneer-log-scoring mechanism. 1,691,897; Nov. 13.
- Breidt, Jakob, Port Washington, N. Y. Antitheft alarm. 1,689,909; Oct. 30.
- Breisch, Edgar W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mercury-arc-rectifier starting device. 1,657,495; Jan. 31.
- Breisch, Edgar W., Edgewood, and F. B. Falknor, Wilkensburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,682,476; Aug. 28.
- Breisl, Albert, Vienna, Austria. Apparatus for producing gas and coke in alternately-working water-gas generators. 1,691,636; Nov. 13.
- Breister, Albert J. (See Sander, H. J., and Breister.)
- Breitenbach, James M., Battle Creek, Mich. Side-wall register rack. 1,667,099; Apr. 24.
- Breitenbach, Peter, Bochum, Germany. Stripping brush. 1,689,855; Oct. 30.
- Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Self-opening die head. 1,683,126; Sept. 4.
- Breitenstein, Albert F., assignor to The Geometric Tool Co., New Haven, Conn. Self-opening die head. 1,689,768; Oct. 30.
- Breitenstein, Arthur L., deceased, Akron, Ohio; M. B. Breitenstein, administratrix. 1,676,630; July 10.
- Breitenstein, Maude E., administratrix. (See Breitenstein, Arthur L.)
- Breithaupt, Oscar, Detroit, Mich. Nail container and dispenser. 1,659,763; Feb. 21.
- Breithaupt, Oscar, Detroit, Mich. Nail container and dispenser. 1,683,328; Sept. 4.
- Breitzkrentz, Emma B., Henderson, Minn. Vegetable cutter. 1,656,415; Jan. 17.
- Breitwieser, Edward, assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Incinerator. 1,671,964; June 5.
- Breitzke, William, Detroit, Mich. Metal-polishing composition. 1,669,281; May 8.
- Brekke, Oscar, Minnesota, Minn. Trailer guide. 1,669,452; May 15.
- Brell, Jules J., New York, N. Y. Scouring device. 1,689,769; Oct. 30.
- Brell, Jules J., New York, N. Y. Scouring device. 1,692,244; Nov. 20.
- Bremer, Charles M., Chicago, Ill. Printing-plate-holding means. 1,662,232; Mar. 13.
- Bremer, Fred J., assignor to The Mosler Safe Company, Hamilton, Ohio. Bolt work for safes and the like. 1,675,155; June 26.

- Bremer, Frederick G., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,667,528; Apr. 24.
- Bremer, Frederick G., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,667,529; Apr. 24.
- Bremer, Frederick G., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Bumper structure. 1,667,530; Apr. 24.
- Bremer, Frederick G., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Bumper structure. 1,668,228; May 1.
- Bremer, Frederick G., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,684,259; Sept. 11.
- Bremer, Frederick G., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,696,187; Dec. 25.
- Bremer, Norman C., assignor to Morse Chain Company, Ithaca, N. Y. Oiling device for drive chains. 1,682,829; Sept. 4.
- Bremer, William S., St. Louis, Mo., assignor to St. Louis Aluminum Company. Electric percolator. 1,659,561; Feb. 21.
- Brendlin, Adolf, Knapsack, near Cologne, Germany. Device for cleaning tubes or the like. 1,693,134; Nov. 27.
- Brenck, Hans. (See Rothe, F., and Brenck.)
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,654,677; Jan. 3.
- Breneman, Paul E., assignor to C. R. Wilson Body Company, Detroit, Mich. Door for vehicle bodies. 1,655,592; Jan. 10.
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,656,719; Jan. 17.
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,656,720; Jan. 17.
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Top construction. 1,656,721; Jan. 17.
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., and Detroit, Mich. Top construction. 1,656,722; Jan. 17.
- Breneman, Paul E., assignor to C. R. Wilson Body Company, Detroit, Mich. Metallic-framed sectional vehicle body. 1,659,350; Feb. 14.
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Body construction. 1,669,370; May 8.
- Breneman, Paul E., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Body construction. 1,676,599; July 10.
- Breneman, Paul E., Detroit, Mich., assignor, by mesne assignments, to Murray Body Corporation. Vehicle body. 1,687,264; Oct. 9.
- Breneman, Paul E., assignor to C. R. Wilson Body Company, Detroit, Mich. Vehicle body. 1,693,836; Dec. 4.
- Brenessel, Charles, Los Angeles, Calif. Collar attachment. 1,690,715; Nov. 6.
- Breninger, Clyde W., Canton, Ohio. Life preserver. 1,667,414; Apr. 24.
- Brenkert, Joseph W., San Diego, Calif. Pocketed moving-surface game. 1,674,681; June 26.
- Brennan, Arthur T., Detroit, Mich. Method of and apparatus for manufacturing screen-frame stock. 1,661,714; Mar. 6.
- Brennan, Bernard G., Chicago, Ill. Meat-cutting table. 1,686,122; Oct. 2.
- Brennan, Bernard G., Chicago, Ill. Machine for transferring and chopping animal carcasses. 1,686,121; Oct. 2.
- Brennan, Clark A., Minneapolis, Minn. Railway-car brake. 1,680,968; Aug. 14.
- Brennan, Edward J., Oelwein, Iowa. Automatic crank-pin lubricator. 1,658,791; Feb. 14.
- Brennan, James S., Attleboro, Mass. Ornamental lighting structure. 1,662,359; Mar. 13.
- Brennan, John E., and C. C. Loomis, Ilion, N. Y., assignors to Remington Arms Company, Inc. Firearm. 1,662,025; Mar. 6.
- Brennan, Michael J., St. Paul, Minn. Axle-generator belt remover. 1,666,592; Apr. 17.
- Brennan, Thomas H., Chicago, Ill. Inductance coil. 1,665,947; Apr. 10.
- Brennan, Thomas H., Chicago, Ill. Construction for radio receiving inductances. 1,680,851; Aug. 14.
- Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing for railway cars. 1,673,389; June 12.
- Brenne, Arild M., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,680,282; Aug. 14.
- Brenneis, Louis, Oxnard, Calif., assignor to Brenneis Manufacturing Company. Cultivator. 1,685,478; Sept. 25.
- Brenneis Manufacturing Company. (See Brenneis, Louis, assignor.)
- Brenneman, Ivo G., Blue Ball, Pa. Nut lock. 1,677,266; July 17.
- Brenner, Reinhold F., New Haven, Conn. Casement-window operator. 1,692,073; Nov. 20.
- Brenner, Robert S., Union City, N. J., and J. Scott, Stapleton, N. Y., assignors to Standard Oil Development Company. Sign. Des. 76,456; Oct. 2.
- Brent, George E., Nashville, Tenn. Shaft holdfast. 1,672,601; June 5.
- Brent, George F., Eugene, Oreg. Piston. 1,679,020; July 31.
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Electric welding of can bodies. 1,663,970; Mar. 27.
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Cover-feeding means. 1,675,245; June 26.
- Brenzinger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Washing or dyeing material. 1,678,053; July 24.
- Brero, Francesco, Turin, Italy. Electric machine for welding metallic tubes or pipes. 1,692,245; Nov. 20.
- Brero, Francesco, Turin, Italy. Electric upsetting or jolting machine. 1,692,327; Nov. 20.
- Breslauer, Joseph, and E. de Luserna, assignors to Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland. Rendering calcium cyanamide free from dust. 1,691,044; Nov. 13.
- Breslauer, Max, Leipzig, Germany. Photographic reproduction of books, drawings, and the like for reprints. 1,656,138; Jan. 10.
- Breslauer, Max, Leipzig, Germany. Photographic apparatus. 1,678,460; July 24.
- Bresler, Benjamin R., Bridgeport, Conn. Waste-valve-operating mechanism. 1,678,102; July 24.
- Brest, Albert, New Castle, Pa. Furnace cleaner. 1,695,169; Dec. 11.
- Bretaud, Joseph V., Detroit, Mich., assignor to Swedish Crucible Steel Company. Wheel and rim mounting. 1,679,892; Aug. 7.
- Breton, Charles C., Depew, N. Y. Locking foldable joint. 1,654,958; Jan. 3.
- Breton, Jules L., Bellevue, France. Dishwashing machine. 1,656,139; Jan. 10.
- Breton, Jules L., Bellevue, France. Dish washing, sterilizing, and drying machine. 1,681,839; Aug. 21.
- Breton, Jules-Louis, Bellevue, France. Dish washing and drying machine. 1,682,063; Aug. 28.
- Breton, Paul, Bellevue, France. Cleaning means. 1,690,472; Nov. 6.
- Brett, Edward H. (See Kebrer, B. F., and Brett.)
- Brett, Jack. (See Morton, E. D., and Brett.)
- Brett, Roy C., Cleveland Heights, assignor to The Puro Water Filter Company, Cleveland, Ohio. Water cooler for use with refrigerators. 1,656,507; Jan. 17.
- Brettschneider, William F., St. Paul, Minn. Signal. 1,676,766; July 10.
- Bretz, Robert B., El Reno, Okla., assignor of one-half to A. C. Schroeder, Syracuse, N. Y. Commutator. 1,669,806; May 15.
- Bretzlaff, W. Herbert. (See Donley, Harold B., assignor.)
- Brewbaker, Jess W. (See Dowdy, R. F., and Brewbaker.)
- Brewer, Charles A., Darien, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y. Treating cloth, fabrics, etc. 1,669,077; May 8.
- Brewer, Charles A., Noroton Heights, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y. Sadiron. 1,674,092; June 19.
- Brewer, Charles A., Noroton Heights, Conn., assignor to Cannon Engineering Co., Brooklyn, N. Y. Electric steam generator. 1,682,320; Aug. 28.
- Brewer, F. C., et al. (See Panghorn, Redmond H., assignor.)
- Brewer, Hazel E., Seattle, Wash. Combination garment. 1,696,620; Dec. 25.
- Brewer, Hugh R., Wichita, Kans. Friction means for window-shade rollers. 1,691,463; Nov. 13.
- Brewer, Oscar Z., Spokane, Wash., assignor of one-half to H. H. McNeill, New York, N. Y. Carboy-shipping container. 1,667,029; Apr. 24.
- Brewer, Robert E. (See Fay, R. D., and Brewer.)
- Brewer, Robert W. A., Philadelphia, assignor to K. C. Acton, Bryn Athyn, Pa. Valve mechanism for internal-combustion engines. 1,656,770; Jan. 17.
- Brewer, Robert W. A., Philadelphia, assignor to H. F. Pitcairn, Bryn Athyn, Pa. Construction and mounting of a valve mechanism for internal-combustion engines. 1,656,771; Jan. 17.
- Brewer, Robert W. A., Philadelphia, assignor to H. F. Pitcairn, Bryn Athyn, Pa. Valve mechanism for internal-combustion engines. 1,670,876; May 22.
- Brewer, Roger W., Winston-Salem, N. C. Shoe-tree. 1,658,475; Feb. 7.
- Brewer-Titchener Corporation. (See Higgins, George H., assignor.)
- Brewer-Titchener Corporation, The. (See Wenn, F. D., and Stannard, assignors.)
- Brewer-Titchener Corporation, The. (See Winans, Daniel M., assignor.)
- Brewington, Philip J., Corpus Christi, Tex. Lavatory. 1,659,851; Feb. 21.
- Brewster, Ellis W., Plymouth, assignor to Plymouth Cordage Company, North Plymouth, Mass. Rope. 1,660,065; Feb. 21.
- Brewster, Harry C., Shreveport, La. Drilling machine. 1,676,129; July 3.
- Brewster, Oswald C., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Apparatus for converting hydrocarbon oils. 1,681,658; Aug. 21.
- Brewster, Oswald C., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Converting hydrocarbon oils. 1,694,092; Dec. 4.

- Brewster, Percy D., East Orange, N. J., assignor to Wyko Projector Corporation. Film-feeding device for projectors. 1,679,399; Aug. 7.
- Brewster, Ruby T., New York, N. Y. Closure for receptacles for perfumery products. Des. 74,166; Jan. 3.
- Brewster, Ruby T., New York, N. Y. Vanity case. Des. 75,354; May 29.
- Breyer, Frank G. (See Singmaster, J. A., Breyer, and Bunce.)
- Breyer, Frank G., Bronxville, assignor of one-half to J. A. Singmaster, New York, N. Y. Method and apparatus for utilizing and burning anthracite dust coal and the like. 1,672,405; June 5.
- Breyer, Frank G., and E. H. Bunce, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Built-up vertical zinc retort. 1,680,726; Aug. 14.
- Breyer, Frank G., Palmerton, and C. W. Farber, Bowmans-town, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Lithopone. 1,690,099; Nov. 6.
- Breyer, Frank G., E. H. Bunce, and J. H. Weikel, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc oxide. 1,664,767; Apr. 3.
- Brick, Perry A., assignor to The National Grave Vault Co., Gallon, Ohio. Dumping truck. 1,663,537; Mar. 27.
- Bricker, Orrin W., Cleveland, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Rail-bond straightener. 1,675,785; July 3.
- Bridge & Beach Manufacturing Company. (See Bridge, George L., assignor.)
- Bridge, George L., Clayton, assignor to Bridge & Beach Manufacturing Company, St. Louis, Mo. Combined radiating and circulating gas heater. 1,666,679; Apr. 17.
- Bridge, Herbert H., Detroit, Mich. Priming device. 1,682,953; Sept. 4.
- Bridge, Walter G., Newton, assignor to C. E. Parkhurst, Somerville, Mass. Dental attachment. 1,686,950; Oct. 9.
- Bridgeport Brass Company. (See Bright, Weston F., assignor.)
- Bridgeport Brass Company. (See Oakley, Erastus G., assignor.)
- Bridgeport Hardware Manufacturing Corporation, The. (See Hobbs, W. F., and Anderson, assignors.)
- Bridges, James B., Richmond, Va. Rail-aligning tool. 1,669,595; May 15.
- Bridges, John R. (See Crawford, G. C., and Bridges.)
- Bridgewater, Ernest R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Colored vulcanized rubber and making the same. 1,663,436; Mar. 20.
- Bridgewater, George H., Maryville, and C. M. Goben, Collinsville, Ill. Door-operating mechanism for swinging doors of garages and the like. 1,696,379; Dec. 25.
- Bridgham, Arthur L., Boston, Mass. Lubricating device. 1,682,659; Aug. 28.
- Bridgham, Barton C., San Francisco, Calif. Adjustable light reflective-transmissive element. 1,656,998; Jan. 24.
- Bridgham, Barton C., San Francisco, Calif. Light-diffusing means. 1,659,764; Feb. 21.
- Bridgman, Harry, assignor to Bridgman & Rubin, Inc., New York, N. Y. Machine for folding and securing box-cover margins. 1,657,954; Jan. 31.
- Bridgman, Margaret, Canadensis, Pa. Handkerchief or the like. Des. 76,603; Oct. 16.
- Bridgman, Margaret, Canadensis, Pa. Handkerchief or the like. Des. 76,604; Oct. 16.
- Bridgman, Margaret, Canadensis, Pa. Handkerchief or the like. Des. 76,605; Oct. 16.
- Bridgman & Rubin, Inc. (See Bridgman, Harry, assignor.)
- Bridgman & Rubin, Inc. (See Smith, Harry B., assignor.)
- Briesse, Alfred, Wheeling, and R. Callow, Boggs Run, W. Va. Machine for countersinking pipe couplings. 1,686,841; Oct. 9.
- Briesemeister, Martin H., South Milwaukee, Wis. Dice-box. 1,660,066; Feb. 21.
- Briesen, Fritz v., trustee. (See Terwilliger, Charles O., assignor.)
- Brigg, Walter J., Epping, Sydney, New South Wales, Australia. Shoe. 1,679,400; Aug. 7.
- Briggs, Arthur J. (See Benner, R. C., Briggs, and Fink.)
- Briggs, Arthur J., Syracuse, N. Y., assignor to National Carbon Company, Inc. Extruded depolarizing bobbin. 1,671,401; May 29.
- Briggs, Arthur J., Syracuse, N. Y., assignor to Onondaga Steel Company, Inc. Metallurgical furnace. 1,687,925; Oct. 16.
- Briggs Bituminous Composition Company. (See Williamson, William C., assignor.)
- Briggs, Burdett B., Chicago, Ill. Air moistener for internal-combustion engines. 1,660,431; Feb. 28.
- Briggs, Francis W., Medford, Mass. Rim-removing device. 1,686,068; Oct. 2.
- Briggs, Frederick, assignor to Briggs Packing Co., Washington, D. C. Openwork container for treating meats. 1,676,816; July 10.
- Briggs, Frederick, assignor to Briggs Packing Co., Washington, D. C. Scrapple package. 1,678,632; July 31.
- Briggs, George L., Brooklyn, N. Y. Stocking. Des. 77,055; Dec. 4.
- Briggs, Henry Hasbrouck Heights, N. J. Internal-combustion motor. 1,687,425; Oct. 9.
- Briggs, Howard O., Minneapolis, Minn. Cord holder for vacuum cleaners, lamps, and the like. 1,665,200; Apr. 10.
- Briggs, John C., Coventry, England. Internal-combustion engine. 1,671,400; May 29.
- Briggs, Leslie F. (See Thompson, W., and Briggs.)
- Briggs, Lyman J. (See Heyl, P. R., and Briggs.)
- Briggs Manufacturing Company. (See Clark, James H., assignor.)
- Briggs Manufacturing Company. (See Kennedy, Elmer M., assignor.)
- Briggs Manufacturing Company. (See Klehler, Frederick, assignor.)
- Briggs Manufacturing Company. (See La Bean, William J., assignor.)
- Briggs Manufacturing Company. (See Lundberg, Everett E., assignor.)
- Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
- Briggs Manufacturing Company. (See Maise, H. C., and Marshall, assignors.)
- Briggs Manufacturing Company. (See Marshall, William, assignor.)
- Briggs Manufacturing Company. (See Marshall, W., and Camiener, assignors.)
- Briggs Manufacturing Company. (See Roberts, Ralph S., assignor.)
- Briggs, Marie, San Diego, Calif. Nursing bottle cover and nipple support. 1,687,004; Oct. 9.
- Briggs Packing Co. (See Briggs, Frederick, assignor.)
- Briggs, Stephen F., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 1,662,487; Mar. 18.
- Briggs, Stephen F., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Key-controlled lighting and ignition switch. 1,667,716; May 1.
- Briggs, Stephen F., assignor, by mesne assignments, to E. B. H. Tower, Jr., Milwaukee, Wis. Electric motor. 1,694,247; Dec. 4.
- Briggs, Stephen F., and E. N. Jacobi, assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Latch switch. 1,687,490; Oct. 16.
- Briggs & Stratton Corporation. (See Briggs, S. F., and Jacobi, assignors.)
- Briggs & Stratton Corporation. (See Briggs, Stephen F., assignor.)
- Briggs & Stratton Corporation. (See Coughlin, Charles L., assignor.)
- Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
- Briggs & Stratton Corporation. (See Mack, Perry E., assignor.)
- Briggs & Stratton Corporation. (See Soreng, Edgar M., assignor.)
- Briggs, Thomas A., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Packaging staples or the like and package produced thereby. 1,665,051; Apr. 3.
- Briggs, Thomas A., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Fastener or staple. 1,671,695; May 29.
- Briggs, Thomas A., Providence, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Packaging staples and package produced thereby. 1,671,809; May 29.
- Briggs, William P., New Bedford, Mass. Adapter for plug and cut-outs. 1,675,637; July 3.
- Briggs, William P., New Bedford, Mass. Cut-out and plug. 1,680,969; Aug. 14.
- Brigham, Cecil E., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound-reproducing apparatus. 1,673,661; June 12.
- Bright Automatic Machine Co. (See Zeitlin, Herbert, assignor.)
- Bright, David M., Winnipeg, Manitoba, Canada. Wrench. 1,662,413; Mar. 13.
- Bright, Maurice S., Houston, Tex. Adjustable tray support. 1,666,084; Apr. 17.
- Bright Star Battery Company. (See Koretzky, Harry M., assignor.)
- Bright Star Battery Company. (See Leser, Frederick, assignor.)
- Bright, Weston F., Longmeadow, Mass., assignor to Bridgeport Brass Company, Bridgeport, Conn. Automatic flushing valve. 1,683,062; Sept. 4.
- Briley, Benjamin F., Shattuck, Okla. Workbench-vise screw. 1,689,770; Oct. 30.
- Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
- Brill, J. G., Company, The. (See Brooks, James A., assignor.)
- Brill, J. G., Company, The. (See Worms, Jacques, assignor.)
- Brilliant Glass Products, Inc. (See Frolking, Stanley H., assignor.)
- Brillion Iron Works. (See Ariens, Henry, assignor.)
- Brillo Manufacturing Company. (See Field, Crosby, assignor.)
- Brimm, Daniel J., Jr., West Hempstead, N. Y., assignor to Ireland Aircraft Inc. Stabilizer-adjusting mechanism. 1,691,376; Nov. 13.
- Brinard Sales & Construction Company. (See Moffett, C. W., and Briney, assignors.)
- Brinell, Joseph, Reading, Pa. Bearing and method of making it. 1,686,951; Oct. 9.

- Brindle, Robert, jr., West Orange, N. J., assignor to General Electric Company. Method of and mechanism for feeding beads. 1,673,731; June 12.
- Briney, Mark R. (See Moffett, C. W., and Briney.)
- Bringhenti, Plinio, Milan, Italy. Process and device for concentrating incrusting or corrosive solutions. 1,682,265; Aug. 28.
- Brininger, Samuel, and R. H. Gilbert, Clyde, Ohio. Spreader. 1,655,780; Jan. 10.
- Brink, Lewis R., assignor to Barnhart Brothers & Spindler, Chicago, Ill. Metal alloy. 1,671,952; May 29.
- Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Rim-feeding device. 1,687,468; Oct. 9.
- Brinkerhoff, Frederic H., Belleville, N. J. Pilot-light-controlled gas valve. 1,675,638; July 3.
- Brinkman, Harry J., Dayton, Ohio. Toy pool table. 1,656,416; Jan. 17.
- Brinkman, Lewis A., Chicago, Ill. Pelorus. 1,665,527; Apr. 10.
- Brinkman, Sebastian G., Perth Amboy, N. J. Refrigerator. 1,667,281; Apr. 24.
- Brinkmann, Ernst, Berlin-Schöneberg, Germany. Multi-color printing on rotary presses. 1,673,060; June 12.
- Brinkmeyer, Stella L. (See Gill, W. L., Mudgett, and Bennett, assignors.)
- Brinall Manufacturing Company. (See Stack, Maurice J., assignor.)
- Brinall Manufacturing Company, Inc. of Delaware. (See Stack, Maurice J., assignor.)
- Brinton, H., Co. (See Collar, George D., jr., assignor.)
- Brinton, Howard G., Pittsfield, Mass., assignor to General Electric Company. Electrolytic cell. 1,674,497; June 19.
- Brinton, Willard C., assignor to Terminal Engineering Company, Inc., New York, N. Y. Freight-weighting device. 1,667,717; May 1.
- Brinton, Willard C., assignor to Terminal Engineering Company, Inc., New York, N. Y. Steering gear. 1,691,020; Nov. 6.
- Brinton, William C., jr., Larkspur, assignor to The Greasometer Corporation, San Francisco, Calif. Grease cup. 1,657,196; Jan. 24.
- Brinton, William C., jr., Larkspur, assignor to The Greasometer Corporation, San Francisco, Calif. Washer. 1,673,440; June 12.
- Brinton, William C., jr., assignor to Philbrin Corporation, Kennett Square, Pa. Contact maker and interrupter. 1,683,444; Sept. 4.
- Bridoy, Bernard, assignor to Truscon Steel Company, Youngstown, Ohio. Reinforced-concrete roadway. 1,685,562; Sept. 25.
- Brisbois, Nicholas M., Stockholm, assignor to National Paper Products Company, San Francisco, Calif. Plant protector. 1,690,716; Nov. 6.
- Brise, Frank D., H. P. Blumenauer, and E. C. Meyer, Worcester, Mass. Car heater. 1,658,966; Feb. 14.
- Brisson, Walter W., Norway, Mich. Heating system. 1,663,874; Mar. 27.
- Bristol, Carlton W. (See Kuntney, G. W., and Bristol.)
- Bristol Company, The. (See Bristol, William H., assignor.)
- Bristol Company, The. (See Koester, Herman, assignor.)
- Bristol Company, The. (See Kuntney, G. W., and Bristol, assignors.)
- Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Measuring instrument. 1,686,263; Oct. 2.
- Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Separable arm construction for measuring instruments. 1,689,182; Oct. 23.
- Bristol, Harry R., Findlay, Ohio, assignor of one-half to J. S. Bristol, Charleston, W. Va. Building construction. 1,677,267; July 17.
- Bristol, Jay S. (See Bristol, Harry R., assignor.)
- Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Valve. 1,659,388; Feb. 14.
- Bristow, Bruce A., Toronto, Ontario, Canada. Game apparatus. 1,669,156; May 8.
- British Aluminum Company, The. (See Gwyer, A. G. C., and Phillips, assignors.)
- British Cotton Industry Research Association, The, et al. (See Oxley, Arthur E., assignor.)
- British Drug Houses, Limited, The. (See Ellis, Henry A., assignor.)
- British Drug Houses, Limited, The. (See Pope, William J., assignor.)
- British Dyestuffs Corporation. (See Horsfall, R. S., Lawrie, and Hill, assignors.)
- British Dyestuffs Corporation. (See Saunders, K. H., and Goodwin, assignors.)
- British Dyestuffs Corporation. (See Thornley, Sidney, assignor.)
- British Dyestuffs Corporation Limited. (See Baddley, J., Chorley, and Butler, assignors.)
- British Dyestuffs Corporation Limited. (See Cronshaw, C. J. T., and Naughton, assignors.)
- British Dyestuffs Corporation Limited. (See Dyson, G. M., Mason, and Renshaw, assignors.)
- British Dyestuffs Corporation Limited. (See Everatt, R. W., and Rodd, assignors.)
- British Dyestuffs Corporation Limited. (See Horsfall, R. S., and Lawrie, assignors.)
- British Dyestuffs Corporation Limited. (See Imbert, Georges, assignor.)
- British Dyestuffs Corporation Limited. (See Payman, J. B., and Wignall, assignors.)
- British Dyestuffs Corporation Limited. (See Perkin, W. H., and Bunbury, assignors.)
- British Dyestuffs Corporation Limited. (See Rodd, E. H., and Everatt, assignors.)
- British Oil and Coke Mills Limited, The. (See McNicoll, David, assignor.)
- British Steel Piling Company, The. (See Hiley, Alfred, assignor.)
- British Synthetics Limited. (See Higgins, Eric B., assignor.)
- Britnell, Charles A., Marrickville, near Sydney, New South Wales, Australia. Cleaning the cock connections between mains and service or branch pipes. 1,675,968; July 3.
- Britsch, Otto C. (See Rothenberg, H., and Britsch.)
- Britt, Benjamin H. (See Ward, W. S., and Britt.)
- Britt, Benjamin H., Bronx, N. Y., assignor, by mesne assignments, to Commercial Truck Company, Philadelphia, Pa. Axle construction. 1,661,815; Mar. 6.
- Britt, Fred, assignor, by mesne assignments, to Bohn Aluminum & Brass Corporation, Detroit, Mich. Valve. 1,689,321; Oct. 30.
- Britton, Jim, Bessemer, Ala. Portable shoe shop. 1,689,771; Oct. 30.
- Britton, John F., El Paso, Tex. Camp stove. 1,669,852; May 15.
- Britton, Nathan G., Newberne, W. Va. Device for plugging oil wells. 1,671,223; May 29.
- Britts, Samuel P., Roanoke, Va. Tie. 1,673,099; June 12.
- Brix, Harold, assignor to Sharp & Smith, Chicago, Ill. Syringe. 1,667,454; Apr. 24.
- Brixey, Austin D., Greenwich, Conn., assignor to The Replitura Corporation. Moving-picture cabinet. 1,655,809; Jan. 10.
- Brixey, Austin D., Greenwich, Conn., assignor to The Replitura Corporation. Moving-picture and sound-reproducing machine. 1,674,946; June 26.
- Broad, William. (See Hochstetter, F. W., and Broad.)
- Broadbent, Charles, Atlantic City, N. J., assignor of one-half to H. L. Parker, Germantown, Pa. Massage implement. 1,686,598; Oct. 9.
- Broadbent, Martin A. (See Matthew, F. H., Broadbent, and Vosgerau.)
- Broadhurst, Frank S., Watertown, Mass. Rotary heat exchanger. 1,689,189; Oct. 30.
- Broadhurst, Herbert F., London, England. Apparatus for filling bottles, tins, or other containers. 1,665,948; Apr. 10.
- Broadhurst, Herbert F., London, England. Apparatus for filling containers. 1,675,208; June 26.
- Broadley, Henry, Walkerville, Ontario, Canada. Advertising and display device. 1,682,884; Sept. 4.
- Broadmeyer, Albert, assignor to W. O. Hickok Mfg. Company, Harrisburg, Pa. Ruling machine. 1,660,116; Feb. 21.
- Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet detector and stop. 1,664,057; Mar. 27.
- Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Ruling machine. 1,666,989; Apr. 24.
- Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Stop mechanism for sheet-feeding apparatus. 1,675,246; June 26.
- Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Inspecting apparatus. 1,685,761; Sept. 25.
- Broadwood, John, & Sons Limited. (See Collen, Robert H., assignor.)
- Broady, Harry. (See Flodin, H. G., and Gustafsson, assignors.)
- Broberg, Elmer, assignor to Elco Tool and Screw Corporation, Rockford, Ill. Fall support for desks and the like. 1,674,883; June 26.
- Broberg, Luther F., et al. (See Crane, Samuel G., assignor.)
- Broechl, Dalmiro F. (See Harris, Ralph C., assignor.)
- Broch, John, Corona, N. Y. Hatrack. Des. 76,002; Aug. 14.
- Broch, John, Corona, N. Y. Hatrack. Des. 76,119; Aug. 21.
- Broche, Léon J., St. Cloud, France, assignor to Tropenas Company, New York, N. Y. Method and apparatus for use in the manufacture of glassware. 1,670,058; May 15.
- Broche, Léon J., assignor, by mesne assignments, to Kimble Glass Company, Vineland, N. J. Machine for finishing glass tubes, bars, vials, bottles, and the like. 1,664,154; Mar. 27.
- Broche, Léon J., assignor to Kimble Glass Company, Vineland, N. J. Machine for making and finishing glass bars, rods, tubes, bottle necks, and the like. 1,675,156; June 26.
- Brock, Clarence A., Detroit, Mich. Conveyor chain. 1,687,005; Oct. 9.
- Brock, Edward L., administrator. (See Brock, M., and Seely.)
- Brock, Edwin C., Minneapolis, Minn. Bread-slicing machine. 1,683,445; Sept. 4.
- Brock, Harry, and J. Dautch, Buffalo, N. Y. Shoe stretcher. 1,660,912; Feb. 28.
- Brook, Heinrich, Knapsack, near Cologne, Germany. Wiring system for transformers for multiphase furnaces. 1,669,453; May 15.

- Brock, Holden, assignor of one-half to J. Brock, St. Louis, Mo. Machine for forming plastic tile. 1,694,579; Dec. 11.
- Brock, Jacob M., New York, N. Y. Doll-arm-actuating mechanism. 1,654,917; Jan. 3.
- Brock, James. (See Brock, Holden, assignor.)
- Brock, Matthias, deceased, Boston; E. L. Brock, administrator, Beverly, and T. H. Seely, Malden, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Tack-handling mechanism. 1,658,074; Feb. 7.
- Brock, Richard R., Brooklyn, N. Y. Broom-handle brace. 1,689,109; Oct. 23.
- Brock, William E., Sacramento, Calif. Edge trimmer. 1,656,554; Jan. 17.
- Brockett, Bluford W., Cleveland Heights, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Speaking panel for jails or the like. 1,687,280; Oct. 9.
- Brockett, Bluford W., Cleveland Heights, assignor of one-half to The American Laundry Machinery Company, Norwood, Ohio, and one-half to United States Hoffman Machinery Corporation, New York, N. Y. Pressing machine. 1,689,473; Oct. 30.
- Brockett, William F., Dodge City, Kans. Pile remedy. 1,674,353; June 19.
- Brockhagen, Eugene F. (See Brockhagen, George J., assignor.)
- Brockhagen, George J., assignor of one-half to E. F. Brockhagen, Brooklyn, N. Y. Golf-ball-teeing device. 1,695,006; Dec. 11.
- Brocklebank, Arthur P., Elizabeth, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 1,689,910; Oct. 30.
- Brockman, Frederick, jr., East Yonkers, N. Y. Reed for musical wind instruments. 1,667,836; May 1.
- Brockmeyer, August W. (See Brockmeyer, Joseph A., assignor.)
- Brockmeyer, Joseph A., Brookline, Pa. Self-expanding piston. 1,683,380; Sept. 4.
- Brockmeyer, Joseph A., Brookline, assignor to A. W. Brockmeyer, Philadelphia, Pa. Piston. 1,655,177; Jan. 3.
- Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Air-cooled internal-combustion engine. 1,666,194; Apr. 17.
- Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Piston ring or assembly. 1,682,477; Aug. 28.
- Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Engine-cooling system. 1,683,602; Sept. 11.
- Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Tractor. 1,689,546; Oct. 30.
- Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Power tire pump. 1,691,108; Nov. 13.
- Brockway, Don M., Los Angeles, Calif. Delivery apparatus. 1,676,072; July 3.
- Brode, Johannes, and A. Johannsen, Ludwigshafen-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Carrying out catalytic oxidations in the gaseous or vapor state. 1,693,915; Dec. 4.
- Broderick, Arthur F., Jersey City, N. J. Clothesline-cleaning device. 1,679,401; Aug. 7.
- Broderick-Son-Raymond Company. (See Raymond, Lambert L., assignor.)
- Brodfehrer, Bismarck B., B. W. Freeman, and C. A. Jester, Cincinnati, Ohio, assignors, by mesne assignments, to said Freeman. Red for shoe ornamenting machinery. 1,696,834; Dec. 25.
- Brodie, Herbert, assignor of one-half to A. R. Saunders, Detroit, Mich. Brake-operating mechanism. 1,664,732; Apr. 3.
- Brodsky, Gregory, Worcester, Mass. Pressing or punching machine. 1,684,296; Sept. 11.
- Brodtkorb, August C. (See Brodtkorb, Edward A. and A. C.)
- Brodtkorb, Edward A. and A. C., Edgeley, N. Dak. Crate. 1,673,180; June 12.
- Brody, Nathan S., Cleveland, Ohio. Stringed-instrument player. 1,667,925; May 1.
- Broersma, Charles, Tony, Wis. Teat dilator. 1,693,545; Nov. 27.
- Brogden, Ernest M., assignor to Brogdex Company, Winter Haven, Fla. Treating fruit and the like. 1,671,923; May 29.
- Brogden, Ernest M., Santa Monica, Calif., assignor to Brogdex Company, Winter Haven, Fla. Handling fresh fruits. 1,671,924; May 29.
- Brogden, Ernest M., Santa Monica, Calif., assignor to Brogdex Company, Winter Haven, Fla. Process and apparatus for forming a protective and preservative coating upon fruit and the like. 1,692,286; Nov. 20.
- Brogden, Ernest M., Santa Monica, and M. L. Trowbridge, Palms, Calif., assignors to Brogdex Company, Winter Haven, Fla. Preparation of fresh fruit for market. 1,693,575; Nov. 27.
- Brogden, Ernest M., assignor to Brogdex Company, Winter Haven, Fla. Fruit-treating apparatus. 1,680,260; Aug. 7.
- Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Window. 1,685,060; Sept. 18.
- Brogdex Company. (See Brogden, Ernest M., assignor.)
- Brogdex Company. (See Brogden, E. M., and Trowbridge, assignors.)
- Brogdex Company. (See Conklin, Archie W., assignor.)
- Brogdex Company. (See Jamieson, Charles M., assignor.)
- Brogdex Company, The. (See Skinner, Bronson C., assignor.)
- Brohman, Samuel F., Cochin, Saskatchewan, Canada. Railroad tie. 1,685,980; Oct. 2.
- Brohmeier, Friedrich. (See Rottmann, F., and Brohmeier.)
- Broholm, Edwin W., Twodot, Mont. Shocking machine. 1,682,595; Aug. 28.
- Broido, Anna G. F., et al., administrators. (See Broido, Benjamin.)
- Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Controlling flow through superheaters. 1,661,106; Feb. 28.
- Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Apparatus for draining and cleaning superheaters. 1,662,953; Mar. 20.
- Broido, Benjamin, deceased, New York, N. Y.; A. G. F. Broido and The National City Bank of New York, administrators. Pipe joint. 1,662,954; Mar. 20.
- Broido, Benjamin N., assignor to The Superheater Company, New York, N. Y. Water-cooled furnace wall. 1,673,390; June 12.
- Broido, Benjamin N., assignor to The Superheater Company, New York, N. Y. Separately fired superheater. 1,674,424; June 19.
- Broido, Benjamin N., assignor to The Superheater Company, New York, N. Y. Apparatus for joining pipes. 1,675,329; July 3.
- Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Furnace-wall construction. 1,676,246; July 10.
- Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Water-tube boiler. 1,676,631; July 10.
- Broido, Benjamin N., assignor to The Superheater Company, New York, N. Y. Separately-fired superheater. 1,691,698; Nov. 13.
- Broido, Benjamin, New York, N. Y., and R. M. Swartz, Bogota, N. J., assignors to The Superheater Company, New York, N. Y. Superheater header. 1,692,154; Nov. 20.
- Broken Hill Proprietary Company, The. (See Power, W. P., and Lewis, assignors.)
- Broluska, Amel E., Detroit, Mich. Spark plug. 1,661,405; Mar. 6.
- Broluska, Amel E., Detroit, Mich. Casing for pneumatic tubes. 1,661,461; Mar. 6.
- Broluska, Amel E., Detroit, Mich. Tire structure. 1,661,462; Mar. 6.
- Brombacher, Julius, Santa Monica, Calif. Mixing device. 1,671,464; May 29.
- Bromley, John, Closter, N. J., assignor to A. G. Spalding & Bros., New York, N. Y. Ankle supporter. 1,658,037; Feb. 7.
- Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 1,682,111; Aug. 28.
- Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Device for applying revenue stamps to package-wrapping material to prepare it for use in packaging machines. 1,672,514; June 5.
- Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Machine for labeling circular articles. 1,675,692; July 3.
- Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Valveless pump or compressor. 1,689,419; Oct. 30.
- Bronberger, Frank, Northport, N. Y. Air cushion. 1,678,972; July 31.
- Brons, Jan, assignor to Naamlooze Vennootschap Appingedammer Bronsmotorenfabriek, Appingedam, Netherlands. Rotary pump. 1,660,913; Feb. 28.
- Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air gauge. 1,663,540; Mar. 27.
- Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Rim nut. 1,675,597; July 3.
- Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Steering wheel. 1,677,616; July 17.
- Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Quick-detachable dust cap. 1,692,024; Nov. 20.
- Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board. 1,660,307; Feb. 21.
- Bronson, Budd, Lakewood, assignor to The Ohio Rubber Company, Cleveland, Ohio. Running board or other tread member. 1,660,308; Feb. 21.
- Bronson, Edmond B., Blue Island, Ill. Lantern. 1,667,343; Apr. 24.
- Bronson, Edmond B., Blue Island, Ill. Electric lantern. 1,667,706; Apr. 24.
- Bronson, Oscar A., Minneapolis, Minn. Cover for an electrical switch box. Des. 76,227; Sept. 4.
- Bronson, Randolph F., Brooklyn, assignor to The Lionel Corporation, New York, N. Y. Block system for toy electric railroads. 1,655,088; Jan. 3.

- Brønster, Miller, Brooklyn, assignor to The Anchor Mfg. Co., New York, N. Y. Glass dish. Des. 74,475; Feb. 21.
- Brønster, Miller, Brooklyn, assignor to The Anchor Mfg. Co., New York, N. Y. Covered dish. Des. 74,476; Feb. 21.
- Brønster, Miller, Brooklyn, assignor to The Anchor Mfg. Co., New York, N. Y. Glass dish. Des. 74,477; Feb. 21.
- Brønster, Miller, Brooklyn, assignor to The Anchor Mfg. Co., New York, N. Y. Glass dish. Des. 75,209; May 22.
- Brønster, Miller, Brooklyn, assignor to The Anchor Mfg. Co., New York, N. Y. Dish. Des. 75,210; May 22.
- Brookby, Harry E., Chicago, Ill., and C. K. Roos, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Cementitious material. 1,668,548; May 8.
- Brookby, Harry E., Evanston, Ill., and C. Absmeier, Grand Rapids, Mich., assignors to United States Gypsum Company, Chicago, Ill. Apparatus for making plaster wall board. 1,689,322; Oct. 30.
- Brooke, Frank W., Pittsburgh, Pa. Bar-heating furnace. 1,654,678; Jan. 3.
- Brooke, Frank W., Pittsburgh, Pa. Heating bar. 1,682,112; Aug. 28.
- Brooke, George A., jr., Germantown, Pa. Pressure control. 1,668,353; May 1.
- Brooker, Edwin A., London, England. Tobacco pipe. 1,669,855; May 15.
- Brookins Manufacturing Company. (See Brookins, Walter R., assignor.)
- Brookins, Walter R., assignor to Brookins Manufacturing Company, Dayton, Ohio. Liquid measure. 1,666,085; Apr. 17.
- Brookman, John H., Cedar Rapids, Iowa. Lifting device for vehicle wheels. 1,689,772; Oct. 30.
- Brookman, John H., Cedar Rapids, Iowa. Lifting device for vehicle wheels. 1,689,773; Oct. 30.
- Brookman, John H., Cedar Rapids, Iowa. Lifting device for vehicle wheels. 1,689,774; Oct. 30.
- Brooks Cabinet Company, et al. (See Brooks, Clarence H., assignor.)
- Brooks, Charles E. (See Casey, W. F. J., Cavin, and Brooks.)
- Brooks, Charles E., Montreal, Canada, and C. A. Brandt, Great Neck, N. Y.; said Brandt assignor to The Superheater Company, New York, N. Y. Steam locomotive. 1,676,247; July 10.
- Brooks, Clarence H., Norfolk, Va., assignor, by mesne assignments, to Brooks Cabinet Company, Inc., Norfolk, Va., and Manning Manufacturing Company, (Incorporated), Rutland, Vt. Ice-cream cabinet. 1,688,959; Oct. 23.
- Brooks, Edward A., assignor of one-half to F. E. Gunter, and one-half to L. C. Thompson, W. H. Sippal, and J. E. Farnsworth, Pittsburgh, Pa. Cooling device. 1,673,732; June 12.
- Brooks Engineering Corporation. (See Brooks, Stephen H., assignor.)
- Brooks, George W., Topeka, Kans. Metallic nonskid tread. 1,674,712; June 26.
- Brooks, George W., Topeka, Kans. Nonskid metal covering for stair treads, thresholds, and the like. 1,674,713; June 26.
- Brooks, George W., Topeka, Kans. Nailing insert. 1,691,265; Nov. 13.
- Brooks, Horace I., and M. D. Norman, Dallas, Tex. Spring lubricator. 1,691,223; Nov. 13.
- Brooks, J. B., and Company Limited. (See Snell, George C. S., assignor.)
- Brooks, James A., Kirklyn, assignor to The J. G. Brill Company, Philadelphia, Pa. Car seat. 1,684,306; Sept. 11.
- Brooks, John A., Detroit, Mich. Fluid-tight packing. 1,692,403; Nov. 20.
- Brooks, John C., Paterson, N. J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom. 1,667,306; Apr. 24.
- Brooks, John C., Paterson, N. J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom shuttle. 1,679,647; Aug. 7.
- Brooks, Joseph, Toronto, Ontario, Canada, assignor to The Ludlow Valve Manufacturing Company, Troy, N. Y. Valve-stem lubricator. 1,656,555; Jan. 17.
- Brooks, Joshua T., Edgeworth, and E. A. Skowron, Pittsburgh, Pa.; said Skowron assignor to said Brooks. Rail anchor. 1,682,478; Aug. 28.
- Brooks, Robert, Ashton-on-Mersey, and E. H. Croft, Leeds, England, assignors to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,658,918; Feb. 14.
- Brooks, Robert A., Chicago, Ill. Float-controlled admission valve. 1,670,300; May 22.
- Brooks, Stanley G., assignor to The D. L. Auld Company, Columbus, Ohio. Automobile name plate. 1,660,117; Feb. 21.
- Brooks Steam Motors Limited. (See Dellng, Eric H., assignor.)
- Brooks, Stephen H., Los Angeles, Calif., assignor to Brooks Engineering Corporation. Safety valve for storage tanks. 1,681,697; Aug. 21.
- Brooks, Stephen H., assignor to Brooks Engineering Corporation, Los Angeles, Calif. Flame arrester. 1,681,698; Aug. 21.
- Brooks, Stephen H., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Liquid-level indicator. 1,689,941; Oct. 30.
- Brooks, William C. (See Barhoff, F. W., and Brooks.)
- Brooks, William J., Letchworth, England. Calendar. 1,675,483; July 3.
- Brooks, William L., Ardmore, Okla. Gas stove. 1,694,839; Dec. 11.
- Broome, Ernest L., Tarrytown, N. Y. Dam construction. 1,670,710; May 22.
- Broomhall, Harley, assignor to Shelby Metal Products Company, Shelby, Ohio. Operating mechanism for door latches. 1,659,589; Feb. 21.
- Broomhall, Harley, assignor to The Shelby Metal Products Company, Shelby, Ohio. Knob mounting. 1,666,781; Apr. 17.
- Broomhall, Harley, assignor to The Shelby Metal Products Company, Shelby, Ohio. Latch and dogging means therefor. 1,687,926; Oct. 16.
- Brophy, Dorothy H., and W. A. Ruggles, Schenectady, N. Y., assignors to General Electric Company. Method and apparatus for storing alkali metals. 1,635,666; Sept. 25.
- Brophy, Gerald R. (See Hegel, G. W., and Brophy.)
- Brophy, Gerald R., Schenectady, N. Y., assignor to General Electric Company. Metallic gear and making the same. 1,662,026; Mar. 6.
- Brophy, James H., Deer Park, assignor of one-half to V. C. Emerick, Locke, Wash. Exterminating device for rats, squirrels, and other pests. 1,678,178; July 24.
- Brophy, James M., Hattiesburg, Miss. Dog-operating mechanism and knee cushion for sawmill carriages. 1,660,118; Feb. 21.
- Brophy, John J., Salem, and W. E. Broughton, assignors to The Turner Tanning Machinery Company, Peabody, Mass. Machine for treating hides, skins, and leather. 1,682,032; Aug. 28.
- Brophy, John P., Cleveland Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Automatic stay-bolt-threading machine. 1,666,732; Apr. 17.
- Brosch, Conrad C., Morgan, Minn. Adjustable tongue attachment for vehicle hounds. 1,671,850; May 29.
- Brosius, Edgar E., Pittsburgh, Pa. Cinder-notch stopper. 1,661,745; Mar. 6.
- Brosius, Edgar E., Pittsburgh, Pa. Furnace-tapping machine. 1,688,327; Oct. 23.
- Brosius, Edward E., Spokane, Wash. Cigarette-holder case. 1,667,065; Apr. 24.
- Brotelle, Octave, Brussels, Belgium. Hat. 1,680,852; Aug. 14.
- Brothers, Edwin S., Brooklyn, N. Y. Water motor. 1,668,936; May 8.
- Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Voltage regulator with thermostatic compensator. 1,660,322; Feb. 28.
- Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Enameling cradle. 1,669,587; May 15.
- Brotz, Anton F., assignor to Kohler Company, Kohler, Wis. Facilitating starting of automatic generating plants. 1,672,112; June 5.
- Brotz, Frank G., assignor to Kohler Company, Kohler, Wis. Cover for dishwashers and the like. 1,662,818; Mar. 20.
- Brotz, Frank G., Kohler, assignor to Kohler Company, Kohler, Wis. Swinging-spout valve. 1,678,377; July 24.
- Broughton, Arthur E., Minneapolis, Minn. Machine and method for drying macaroni. 1,676,474; July 10.
- Broughton, Berlin A., Cleveland Heights, assignor to Delta Engineering Laboratories, Inc., Cleveland, Ohio. Motometer light. 1,670,565; May 22.
- Broughton, Berlin A., Cleveland Heights, assignor to Delta Engineering Laboratories, Inc., Cleveland, Ohio. Automobile head lamp. 1,689,378; Oct. 30.
- Broughton, Berlin A., Cleveland Heights, assignor to Delta Engineering Laboratories, Inc., Cleveland, Ohio. Lens for automobile headlights. 1,689,911; Oct. 30.
- Broughton, Walter C., Kansas City, Mo. Knockdown building. 1,654,858; Jan. 3.
- Broughton, Winn E. (See Brophy, J. J., and Broughton.)
- Brouse, William H. D., Toronto, Ontario, Canada. Rotary pump. 1,681,392; Aug. 21.
- Broussouse, Fernand L., Paris, France. Damping oscillations for use with suspension leaf springs and the like. 1,683,522; Sept. 4.
- Brower, Charles E., and C. N. Hines, Yuma, Colo. Seeding machine. 1,676,130; July 3.
- Brower, Albert O., Huntington, N. Y. Amusement device. 1,675,209; June 28.
- Brower, Albert O., Huntington, N. Y. Surface projectile. 1,686,124; Oct. 2.
- Brower, James S., St. Louis, Mo. Incubator. 1,658,759; Feb. 7.
- Brower, John D., jr., Piedmont, Calif. Direction indicator. 1,663,971; Mar. 27.
- Brower, William C., Gloversville, N. Y. Piston construction. 1,665,438; Apr. 10.
- Brower, William M., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Instrument control. 1,696,380; Dec. 25.
- Brown, A. G., Boveri & Cie. (See Frey, Karl, assignor.)
- Brown, Albert. (See Peck, R. G., and Brown.)

- Brown, Albert C., Chicago, Ill. Soap dish. 1,696,666; Dec. 25.
- Brown, Alexander T., Syracuse, N. Y. Mower-bar construction. 1,672,363; June 5.
- Brown, Alfred, Gore, New Zealand. Electric heating unit or element. 1,659,479; Feb. 14.
- Brown, Alfred B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Operating and extruding presses. 1,654,526; Jan. 3.
- Brown, Alfred B., Caldwell, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine framework. 1,677,168; July 17.
- Brown, Alton, assignor to The Peerless Carbon Black Company, Edgewood, Pa. Cigar lighter. Des. 75,408; June 5.
- Brown, Anthony W., Gainesville, Fla. Bottle mixing, inspecting, and crating apparatus. 1,679,402; Aug. 7.
- Brown, Arch M., Chickasha, Okla. Shock absorber for automobile and other springs. 1,688,683; Oct. 23.
- Brown, Arlen J., Erie, Pa. Trap. 1,668,927; May 8.
- Brown, Arthur E., Philadelphia, Pa., assignor to Brown & Bailey Company. Display box. 1,669,856; May 15.
- Brown, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor for dynamo-electric machines. 1,685,739; Sept. 25.
- Brown, Arthur L., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thinning varnish. 1,660,914; Feb. 28.
- Brown, Arthur L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensation product and making the same. 1,680,408; Aug. 14.
- Brown, Arthur L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Treating fibrous material. 1,695,912; Dec. 18.
- Brown, Avery E., assignor to Berkshire magneto Co., Pittsfield, Mass. Magneto-electric machine. 1,679,069; July 31.
- Brown & Bailey Company. (See Brown, Arthur E., assignor.)
- Brown & Bailey Company. (See Keppler, Albert E., assignor.)
- Brown, Ben E. (See Siegmund, H. O., and Brown.)
- Brown, Ben E., Mountain Lakes, assignor to B. E. Laboratories, Inc., East Orange, N. J. Sound-reproducing apparatus. 1,667,531; Apr. 24.
- Brown & Bigelow. (See Fischer, Howard L., assignor.)
- Brown & Bigelow. (See Fischer, H. L., and Ward, assignors.)
- Brown & Bigelow. (See Harris, Blaine H., assignor.)
- Brown & Bigelow. (See Kristofek, F. J., and Benson, assignors.)
- Brown & Bigelow. (See Kristofek, F. J., and Hammerquist, assignors.)
- Brown & Bigelow. (See Kristofek, Frank J., assignor.)
- Brown & Bigelow. (See Swift, George L., assignor.)
- Brown & Bigelow. (See Ward, Charles A., assignor.)
- Brown, Boveri & Cie. (See Seitz, Oskar, assignor.)
- Brown Brothers Welding Company. (See Brown, Hugh F., assignor.)
- Brown and Brown, Inc. (See Brown, Chalmers S., assignor.)
- Brown, Cal V., Santa Barbara, Calif. Holding device for smokers' articles. 1,663,156; Mar. 20.
- Brown, Carl A., and A. C. Nielsen, Cleveland, Ohio, assignors to General Electric Company. Glass-severing method and apparatus therefor. 1,659,590; Feb. 21.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Terry loom. 1,657,429; Jan. 24.
- Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Picker mechanism for looms. 1,676,214; July 3.
- Brown, Chalmers S., assignor to Brown and Brown, Inc., Lima, Ohio. Locking manhole cover. 1,687,969; Oct. 16.
- Brown, Charles A. (See Davol, George K., assignor.)
- Brown, Charles A., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Furniture pedestal and method of manufacture. 1,671,402; May 29.
- Brown, Charles A., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Furniture pedestal. 1,671,696; May 29.
- Brown, Charles A., Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Chair. 1,694,617; Dec. 11.
- Brown, Charles R., Kansas City, Mo., and H. E. Nelson, Keokuk, Iowa. Manufacturing corn sugar. 1,690,359; Nov. 6.
- Brown, Charles R., Kansas City, Mo., and H. E. Nelson, Keokuk, Iowa. Manufacturing starch and glucose. 1,690,360; Nov. 6.
- Brown, Charles D., assignor of one-half to G. H. Richards, Minneapolis, Minn. Safe and vault protecting means. 1,670,134; May 15.
- Brown, Charles H., Flushing, N. Y. Shoe. 1,656,556; Jan. 17.
- Brown, Charles H., Flushing, N. Y. Foot-measuring apparatus. 1,667,100; Apr. 24.
- Brown, Charles H., Breckenridge, Tex. Underreamer. 1,659,514; Feb. 14.
- Brown, Charles H., Breckenridge, Tex. Repairing tools. 1,663,367; Mar. 20.
- Brown, Charles H., Breckenridge, Tex. Underreamer. 1,677,812; July 17.
- Brown, Charles M., Toronto, Ontario, Canada. Production of alumina. 1,675,157; June 26.
- Brown, Charles S., Syracuse, N. Y. Pump or lubricator and system. 1,656,658; Jan. 17.
- Brown, Charles S., Syracuse, N. Y. Universal-joint construction. 1,656,659; Jan. 17.
- Brown, Charles S., Syracuse, N. Y. Ball-and-socket joint and forming the same. 1,673,310; June 12.
- Brown, Charles S., Yoakum, Tex. Broken-pipe extractor. 1,672,053; June 5.
- Brown, Chester H., Kopperl, Tex. Lawn swing. 1,683,237; Sept. 4.
- Brown, Christopher, Charleroi, Pa., assignor to Pittsburgh Plate Glass Company. Glass-snapping machine. 1,660,323; Feb. 28.
- Brown, Clarence W., Los Angeles, Calif. Trolley-wheel carrier. 1,662,233; Mar. 13.
- Brown, Colin, Rochester, N. Y. Spraying device. 1,684,661; Sept. 18.
- Brown, Clement, Birmingham, England. Carburetor for internal-combustion engines. 1,686,123; Oct. 2.
- Brown Company. (See Burke, Edmund, assignor.)
- Brown Company. (See Burke, E., and Ives, assignors.)
- Brown Company. (See Daw, Joseph, assignor.)
- Brown Company. (See Johnson, Charles A., assignor.)
- Brown Company. (See Parker, Howard, assignor.)
- Brown Company. (See Richter, George A., assignor.)
- Brown Company. (See Richter, G. A., and Schur, assignors.)
- Brown Company. (See Richter, G. A., Van Arsdell, and Gosselink, assignors.)
- Brown Company. (See Root, Bertwell C., assignor.)
- Brown Company. (See Schur, Milton O., assignor.)
- Brown Company. (See Sherman, John C., assignor.)
- Brown Company. (See Van Arsdell, Wallace B., assignor.)
- Brown, Cora E. (See Newell, L. S., and Brown.)
- Brown, Cornelius M., Newark, N. J. Puzzle. 1,655,216; Jan. 3.
- Brown, Cuthbert J. (See Wilson, C. H., and Brown.)
- Brown, David, assignor to David Brown & Sons, Limited, Lockwood, Haddersfield, England. Centrifugal machine for casting metal. 1,691,464; Nov. 13.
- Brown, David L., Summit, N. J., assignor to Dr. D. Gordon. Lubricating device. 1,668,002; May 1.
- Brown, David S., et al. (See Strickland, Clarence E., assignor.)
- Brown, David, & Sons, Limited. (See Brown, David, assignor.)
- Brown, Davis, assignor of one-half to W. A. Riddell, Bucyrus, Ohio. Indicator board. 1,694,639; Dec. 11.
- Brown, Donald F., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Control of tubs or trucks in collieries or the like. 1,672,364; June 5.
- Brown, Donald M., Prince Rupert, British Columbia, Canada. Electrical insulating knob. 1,668,581; May 8.
- Brown, E. C., Company, The. (See Brown, Edward C., assignor.)
- Brown, E. C., Company, The. (See Waters, Gilbert C., jr., assignor.)
- Brown, E. T. (See Hochstein, Ludwig, assignor.)
- Brown, Earl G., Oakland, Calif. Metallic spreader for wood forms. 1,683,446; Sept. 4.
- Brown, Edward C., assignor to The E. C. Brown Company, Rochester, N. Y. Atomizer. 1,696,428; Dec. 25.
- Brown, Edward T., assignor to Ford Motor Company, Detroit, Mich. Manufacture of glass. 1,692,813; Nov. 27.
- Brown, Edwin H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 1,655,833; Jan. 10.
- Brown, Ellsworth, Dayton, Ohio, and C. P. Breese, Norfolk, Va. Multiple-engine drive gear. 1,664,399; Apr. 3.
- Brown, Elmer B., assignor to The Fleischmann Company, New York, N. Y. Coiling and drying materials. 1,694,807; Dec. 11.
- Brown, Elsie, Buffalo, N. Y. Pleasure car. 1,673,494; June 12.
- Brown, Eric, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Machine bearing. 1,696,667; Dec. 25.
- Brown, Ernest D., Meridian, Miss. Automobile brake. 1,653,131; Jan. 3.
- Brown, Francis N., jr., assignor of one-half to F. N. Brown, sr., El Paso, Tex. Casting machine. 1,666,843; Apr. 17.
- Brown, Francis P., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Grinding machine. 1,683,859; Sept. 11.
- Brown, Frank N., sr. (See Brown, Francis N., jr., assignor.)
- Brown, Fred E., Pomona, Calif. License-plate holder. Des. 74,474; Feb. 21.
- Brown, Fred E., sr., assignor to J. N. Smith Company, Detroit, Mich. Ventilating windshield. 1,655,217; Jan. 3.
- Brown, Frederick W., Columbus, assignor of one-half to G. R. Austin, Bellefontaine, Ohio. Dolomite cement and process of producing the same. 1,682,479; Aug. 28.
- Brown, George, Oneonta, and A. B. Applier, Albany, N. Y. Forming projections in recesses. 1,679,349; Aug. 7.
- Brown, George A., St. Paul, Minn. Oil-dispensing apparatus. 1,683,021; Sept. 4.
- Brown, George E. W., Rushville, Ind. Attachment for work benches. 1,673,139; June 12.
- Brown, George H., Nevada, Mo. Automatic porch light. 1,661,994; Mar. 6.

- Brown, George H., Newton, Mass. Condenser. 1,693,173; Nov. 27.
- Brown, George L., Huntingdon Valley, Pa. Handling capsules for filling. 1,667,066; Apr. 24.
- Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Electric cut-out. 1,665,841; Apr. 10.
- Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Electric fuse. 1,669,157; May 8.
- Brown, George R., Croydon, near Sydney, New South Wales, Australia. Electric switch. 1,671,965; June 5.
- Brown, George R., New Haven, Conn. Hydraulic system and means for propelling vessels. 1,694,840; Dec. 11.
- Brown, George W., Bloomington, Ill. Buckle. 1,696,293; Dec. 25.
- Brown, George W., Cape Elizabeth, Me. Lead pencil. 1,664,058; Mar. 27.
- Brown, George W., Quincy, Mass., assignor to Tubular Rivet & Stud Co., Boston, Mass. Lacing-stud-setting machine. 1,692,246; Nov. 20.
- Brown, Gra C., and G. F. McNulty, assignors to The Reynolds Machine Company, Massillon, Ohio. Screw-driving machine. 1,683,815; Sept. 11.
- Brown, Harold, Kansas City, and G. R. Uhl, Tongonoxie, Kans., assignors to The Mid-Continent Equipment and Supply Company. Air-venting valve. 1,663,157; Mar. 20.
- Brown, Harold H., Centerport, N. Y. Automobile jack. 1,657,781; Jan. 31.
- Brown, Harold M., Elmhurst, Ill. Antenna. 1,684,009; Sept. 11.
- Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 1,655,453; Jan. 10.
- Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,680,129; Aug. 7.
- Brown, Harold W., and A. E. Bailey, jr., Schenectady, N. Y., assignors to General Electric Company. Vibratory device. 1,684,260; Sept. 11.
- Brown, Harry D., assignor to Cinema Studios Supply Corporation, Los Angeles, Calif. Rheostat. 1,682,113; Aug. 28.
- Brown, Harry W., Philadelphia, and G. O. Wilkinson, Ardmore, Pa. Universal inductance device for radio receiving apparatus. 1,671,625; May 29.
- Brown, Henry B., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,675,531; July 8.
- Brown, Henry K., assignor to Cook Laboratories, Inc., Chicago, Ill. Syringe. 1,694,766; Dec. 11.
- Brown, Herbert D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,683,156; Sept. 4.
- Brown, Herbert D., Schenectady, N. Y., assignor to General Electric Company. Rectifying system. 1,689,518; Oct. 30.
- Brown, Herman E., Kingston, N. Y., and J. H. Stover, Nutley, N. J., assignors, by mesne assignments, to Respro Inc., Providence, R. I. Impregnated fabric and making the same. 1,680,497; Aug. 14.
- Brown, Horatio W., Concord, assignor to Bemis Industries, Inc., Boston, Mass. Process of and apparatus for mixing and applying mortar. 1,670,677; May 22.
- Brown, Hugh F., assignor to Brown Brothers Welding Company, San Francisco, Calif. Burner holder. 1,692,924; Nov. 27.
- Brown, Hugh F., assignor to Brown Bros. Welding Company, San Francisco, Calif. Burner holder. 1,692,925; Nov. 27.
- Brown, Hugh S., Roselle Park, N. J., assignor to The Hubron Company, Inc. Portable-boring machine. 1,674,189; June 19.
- Brown Instrument Company, The. (See Brown, Richard P., assignor.)
- Brown Instrument Company. (See Harrison, Thomas R., assignor.)
- Brown, James A., Bristol, Tenn. Chute. 1,672,199; June 5.
- Brown, James C., assignor to E. Fredericks, Inc., New York, N. Y. Hair-treating method and composition. 1,681,170; Aug. 21.
- Brown, James F., Shaler Township, Allegheny County, Pa. Saw. 1,689,618; Oct. 30.
- Brown, James F., Cincinnati, Ohio. Sales chart. 1,692,886; Nov. 27.
- Brown, James H., Baltimore, Md. Slide holder. 1,690,965; Nov. 6.
- Brown, James H., Boston, Mass., assignor to Brown Lock Nut Company. Lock nut. 1,689,225; Oct. 30.
- Brown, James M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Field discharge switch. 1,685,936; Oct. 2.
- Brown, James M., deceased, Pittsburgh, Pa.; J. D. Brown, administratrix. Clutch device. 1,689,857; Oct. 30.
- Brown, Jane D., administratrix. (See Brown, James M.)
- Brown, Jesse B., (See Anderson, H. S., and Brown.)
- Brown, John L., Catonsville, Md. Thermostatic device. 1,679,070; July 31.
- Brown, John M., assignor to Crystal Oil Burner Corporation, Irvington, N. J. Oil burner. 1,655,936; Jan. 10.
- Brown, John M., assignor to Crystal Oil Burner Corporation, Irvington, N. J. Oil burner. 1,655,937; Jan. 10.
- Brown, John T., Brooklyn, N. Y. Coal-saving attachment for furnaces. 1,659,456; Feb. 14.
- Brown, John W., Mfg. Co., The. (See Donley, Harold B., assignor.)
- Brown, John W., Mfg. Co. (See Jording, Christian H., assignor.)
- Brown, John W., Manufacturing Company, The. (See Jording, Christian H., assignor.)
- Brown, John Y., and J. R. Browning, Everettville, W. Va. Bending machine. 1,677,746; July 17.
- Brown, Julian S., Syracuse, N. Y. Sliding-gear power-transmission mechanism. 1,674,093; June 19.
- Brown, Kenneth R., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Gelatinized explosive composition. 1,686,952; Oct. 9.
- Brown, Kirk, Montclair, N. J. Gauge for liquids. 1,661,995; Mar. 6.
- Brown, Ladura A., Uniontown, Pa. Safety electric coupler. 1,658,832; Feb. 14.
- Brown, Levander, jr. (See Edwards, G. O., and Brown.)
- Brown-Lipe Gear Company. (See Carhart, George C., assignor.)
- Brown-Lipe Gear Company. (See Spase, Charles B., assignor.)
- Brown-Lipe Gear Company. (See Sweet, Henry W., assignor.)
- Brown, Lloyd, Des Moines, Iowa. Therapeutic lamp. 1,690,717; Nov. 6.
- Brown, Lloyd J., Evanston, assignor to E. P. Smith, Springfield, Ill. Safety device for brake beams. 1,664,538; Apr. 8.
- Brown, Lloyd J., Evanston, assignor to E. Payson Smith, Chicago, Ill. Quick take-up and release hand brake for railroad cars. 1,679,403; Aug. 7.
- Brown, Lloyd L., Spokane, Wash. Circuit breaker. 1,670,649; May 22.
- Brown Lock Nut Company. (See Brown, James H., assignor.)
- Brown, Louis J., Buffalo, N. Y. Layout device. 1,671,341; May 29.
- Brown, Loyal C. (See Yost, C. L., and Brown.)
- Brown, Lucy M. S., Winchester, Idaho. Fly-paper holder. 1,663,437; Mar. 20.
- Brown, Luther F., New Freedom, assignor to Red Lion Carton Company, Inc., Red Lion, Pa. Folding box. 1,668,549; May 8.
- Brown, Lz A., Alto, assignor to Corduroy Tire Company, Grand Rapids, Mich. Tire. 1,662,599; Mar. 13.
- Brown, Marion, and J. Green, National Home, Wis. Safety gate for railway crossings. 1,675,447; July 3.
- Brown, Maurice H., North Baltimore, Ohio. Horse-collar cap. 1,669,324; May 8.
- Brown, Max, assignor to Royal Metal Lighting Fixture Co., Inc., New York, N. Y. Lighting-fixture bracket or article of similar nature. Des. 76,178; Aug. 28.
- Brown, Millard D., assignor to Continental Mills, Inc., Philadelphia, Pa. Knitted fabric. Des. 74,351; Feb. 7.
- Brown, Millard D., assignor to Continental Mills, Inc., Philadelphia, Pa. Knitted fabric. Des. 74,658; Mar. 13.
- Brown, Millard D., assignor to Continental Mills, Inc., Philadelphia, Pa. Knitted fabric. Des. 74,861; Apr. 10.
- Brown, Millard D., assignor to Continental Mills, Inc., Philadelphia, Pa. Knitted fabric. Des. 76,376; Sept. 25.
- Brown, Milton L., Los Angeles, Calif. Garbage pail with nondetachable cover. 1,663,901; Mar. 27.
- Brown, Mortimer J., Niagara Falls, and E. A. Harding, La Salle, assignors to Roessler & Hasslacher Chemical Company, New York, N. Y. Producing hydrocyanic acid. 1,680,662; Aug. 14.
- Brown, Newton N., assignor to Gold Medal Camp Furniture Company, Racine, Wis. Collapsible bar. 1,676,073; July 3.
- Brown, Newton N., assignor to Gold Medal Camp Furniture Co., Racine, Wis. Chair. 1,676,074; July 3.
- Brown, Newton N., assignor to Gold Medal Camp Furniture Manufacturing Company, Racine, Wis. Collapsible pole. 1,679,513; Aug. 7.
- Brown, Newton N., assignor to Gold Medal Camp Furniture Manufacturing Company, Racine, Wis. Folding furniture. 1,679,514; Aug. 7.
- Brown, Orie O., Roseville, Ohio. Shipping receptacle. 1,689,068; Oct. 23.
- Brown, Orin B., St. Louis, Mo. Portable electric lamp. 1,670,566; May 22.
- Brown, Orville W., Romulus, N. Y. Coconut-severing device. 1,671,887; May 29.
- Brown, Paul, Herndon, Kans. Operating mechanism for circuit controllers. 1,690,473; Nov. 6.
- Brown, Paul R., Coulee, Wash. Rotary valve. 1,659,078; Feb. 14.
- Brown, Percy W., Derby, England. Mechanical stoker. 1,660,542; Feb. 28.
- Brown, Perry O., assignor of one-half to G. V. Backstrom, St. Vincent, Minn. Oil lubricator. 1,674,153; June 19.
- Brown, Peter, Chicago, Ill., assignor to O-Cedar Corp'n. Mop. 1,683,816; Sept. 11.
- Brown, Peter, Chicago, Ill., assignor to O-Cedar Corp'n. Mop head. 1,683,817; Sept. 11.
- Brown, Peter, Chicago, Ill., assignor to O-Cedar Corp'n. Carton and method of wrapping mops. 1,687,655; Oct. 16.

- Brown, Phelps, Springfield, Mass. Armature-actuating mechanism for magnetos. 1,658,028; Feb. 7.
- Brown, Phelps, Springfield, Mass. Armature actuating mechanism. 1,674,094; June 19.
- Brown, Phelps, Springfield, and I. E. Hendrickson; said Hendrickson assignor to Wico Electric Company, West Springfield, Mass. Magnet. 1,692,718; Nov. 20.
- Brown, Ralston B., Los Angeles, Calif. Mixing apparatus. 1,686,953; Oct. 9.
- Brown, Ray M., Yonkers, assignor, by mesne assignments, to American Throttle Company, New York, N. Y. Balanced multiple throttle. 1,662,955; Mar. 20.
- Brown, Ray W., assignor to Barney Oldfield Manufacturing Company, Los Angeles, Calif. Machine for cutting compound curves. 1,680,853; Aug. 14.
- Brown, Raymond L., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,689,856; Oct. 30.
- Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Thermoelectric pyrometer. 1,659,804; Feb. 21.
- Brown, Robert E., Olean, N. Y. Knife. Des. 76,520; Oct. 9.
- Brown, Robert F., Dayton, Ohio, assignor, by mesne assignments to Oxford Varnish Corporation, Detroit, Mich. Reproducing artistic designs. 1,685,396; Sept. 25.
- Brown, Robert R., Montclair, N. J. Dental boss holder. 1,658,221; Feb. 7.
- Brown, Robert S. (See Klein, C. A., and Brown.)
- Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Adjustable cutting tool. 1,673,039; June 12.
- Brown, Roy E., assignor of forty-nine per cent to P. C. Caffee, Portland, Oreg. Lock. 1,678,420; July 24.
- Brown, Roy W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Instrument pump. 1,687,469; Oct. 9.
- Brown, Samuel F., Heth, Ark. Cross-row cotton blocker. 1,694,204; Dec. 4.
- Brown, Samuel J., Maplewood, Mo. Toy. 1,662,998; Mar. 20.
- Brown, Sandford, Montclair, N. J., assignor, by mesne assignments, to Halowax Corporation, New York, N. Y. Chlorination. 1,672,878; June 12.
- Brown, Sandford, Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y. Making impregnated fabrics. 1,673,797; June 19.
- Brown & Sharpe Manufacturing Company. (See Brown, Francis P., assignor.)
- Brown and Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
- Brown & Sharpe Mfg. Company. (See Jack, Findlay, assignor.)
- Brown & Sharpe Mfg. Company. (See Sparks, Earl C., assignor.)
- Brown Stamping Company, The. (See Grove, William I.)
- Brown, Stephen A. (See Westbrooks, R. G., and Brown.)
- Brown, Sumner E., Dedham, Mass. Focusing device for automobile headlights. 1,662,360; Mar. 13.
- Brown, Sumner E., Dedham, Mass. Lamp-focusing device. 1,694,765; Dec. 11.
- Brown, Theodore P., et al., trustees. (See Tunstall, William B., assignor.)
- Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Lister plow and planter. 1,688,034; Oct. 16.
- Brown, Thomas A., Lake Charles, La. Fixture hanger. 1,679,706; Aug. 7.
- Brown, Thomas N. Fort Wayne, Ind. Ironing machine. 1,679,808; Aug. 7.
- Brown Valve & Manufacturing Company. (See Morgan, Glen W., assignor.)
- Brown, Vincent H., Ozone Park, N. Y., assignor to Radio Corporation of America. Signal-monitoring system. 1,678,973; July 31.
- Brown, Walter, Toledo, Ohio. Forming cutting tools. 1,657,063; Jan. 24.
- Brown, Walter, Toledo, Ohio. Cutting tool for lathes, planers, etc. 1,689,474; Oct. 30.
- Brown, Walter J. (See Robinson, E. Y., and Brown.)
- Brown, Walter J., Eversley, England, assignor, by mesne assignments, to Metropolitan-Vickers Electrical Company, Limited. High-frequency signaling system. 1,677,268; July 17.
- Brown, Walter J., Davenport Park, England, assignor to Westinghouse Electric & Manufacturing Company. Heat-treating method. 1,687,656; Oct. 16.
- Brown, Walter L., Gravette, Ark. Pitman. 1,679,707; Aug. 7.
- Brown, Walter W., Erie, Pa., assignor to General Electric Company. Making contact tips. Re17,108; Oct. 23.
- Brown, Walter W., Erie, Pa., assignor to General Electric Company. Making contact tips. 1,672,706; June 5.
- Brown, Walter W., Erie, Pa., assignor to General Electric Company. Controller handle. 1,683,157; Sept. 4.
- Brown, Warren G., Detroit, Mich. Pump. 1,684,468; Sept. 18.
- Brown, Westgarth S. F., and J. Maina, London, England. Variable-speed gearing. 1,672,868; June 12.
- Brown, Westgarth S. F., and J. Maina, London, England. Variable-speed gear. 1,673,863; June 19.
- Brown, Westgarth S. F., and J. Maina, London, England. Variable-speed gearing. 1,694,808; Dec. 11.
- Brown, Wilbur F., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass. 1,656,691; Jan. 17.
- Brown, Wilbur F., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,670,435; May 22.
- Brown, Wilbur F., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,670,436; May 22.
- Brown, Wilbur F., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,692,619; Nov. 20.
- Brown, Wilfred, Detroit, Mich. Rubber or overshoe receptacle. 1,671,977; June 5.
- Brown, Wilfred J., New York, N. Y. Combination pipe cleaner. 1,689,226; Oct. 30.
- Brown, William. (See Loman, Arthur J., assignor.)
- Brown, William A., et al. (See Corbin, Elbert A., Jr., assignor.)
- Brown, William A., Philadelphia, Pa. Emergency convection heater. 1,694,160; Dec. 4.
- Brown, William E., Pottsboro, Tex. Roundabout. 1,671,403; May 29.
- Brown, William I., assignor to The Jennison-Wright Company, Toledo, Ohio. Flooring. 1,669,652; May 15.
- Brown, William J., Savanna, Ill. Adjustable blocking for cars. 1,665,439; Apr. 10.
- Brown, William M., Johnston, Pa. Conveyor. 1,683,653; Sept. 11.
- Brown, William R., assignor of one-half to G. E. Bland, and one-fourth to W. E. Cox, Denison, Tex. Automobile awning. 1,672,926; June 12.
- Brown, William S., assignor of one-fourth to K. W. Dennis and one-fourth to O. B. Keister, Knoxville, Tenn. Injector. 1,671,851; May 29.
- Brown, William W., Oak Lane, Pa., assignor, by mesne assignments, to H. W. Butterworth & Sons Company. Automatic release for wringers. 1,688,408; Oct. 23.
- Brown, William W., Oak Lane, Pa., assignor, by mesne assignments, to H. W. Butterworth & Sons Company. Wringer. 1,688,684; Oct. 23.
- Brown, William W., Schenectady, N. Y., assignor to General Electric Company. Automatic antenna regulator. 1,684,261; Sept. 11.
- Brown, William W., Wichita, Kans. Edge trimmer for lawns. 1,654,574; Jan. 3.
- Brownback, Henry L., Norristown, Pa., assignor to Brownback Motor Laboratories, Inc., New York, N. Y. Aerially-propelled speed boat. 1,686,264; Oct. 2.
- Brownback Motor Laboratories, Inc. (See Brownback, Henry L., assignor.)
- Browne, Alfred L., East Orange, N. J. Pressure-controlling liquid seal. 1,682,550; Aug. 28.
- Browne, Arthur L., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Valve-grinding compound. 1,669,596; May 15.
- Browne, Lawrence L., Kansas City, Kans. Weather strip. 1,658,029; Feb. 7.
- Browne, Lyle W., assignor to The Fisher Governor Company, Marshalltown, Iowa. Liquid-controlling device. 1,677,096; July 10.
- Browne, Michael I., Delia, Kans. Power plant. 1,670,953; May 22.
- Browne, Milton W., Kansas City, Mo. Forced-air circulation and refrigeration in refrigerator cars. 1,670,187; May 15.
- Browne-Morse Company. (See Morse, Frank C., assignor.)
- Browne, Vere B., Brackenridge, Pa. Manufacture of alloys. 1,658,879; Feb. 14.
- Browne, Walter A., assignor to The Warthen Train Control Corporation, Washington, D. C. Speed-governing mechanism. 1,655,009; Jan. 3.
- Browne, William G., Yonkers, N. Y., and R. W. Olmsted, San Francisco, Calif. Advertising sign. Des. 74,659; Mar. 13.
- Browne, William G., Yonkers, N. Y., and R. W. Olmsted, San Francisco, Calif. Advertising sign. Des. 74,660; Mar. 13.
- Browne, William G., Yonkers, N. Y., and R. W. Olmsted, San Francisco, Calif. Advertising sign. Des. 74,661; Mar. 13.
- Browne, William G., Yonkers, N. Y., and R. W. Olmsted, San Francisco, Calif. Advertising sign. Des. 74,852; Apr. 3.
- Brownell, Barnett M. (See Bauer, Albert L., assignor.)
- Brownell, Barnett M., J. H. Sherer, St. Louis, Mo., and M. F. Ward, East St. Louis, Ill. Water-gauge fitting. 1,659,079; Feb. 14.
- Brownell, Barnett M., St. Louis, Mo., assignor to Diamond Metal Products Co. Pipe coupling. 1,664,848; Apr. 3.
- Brownell, Frank A., Rochester, N. Y. Arch support. 1,657,367; Jan. 24.
- Brownell, Frank A., Rochester, N. Y. Circuit-controlling means for ignition circuits of motor vehicles. 1,692,155; Nov. 20.
- Brownell, George L., Worcester, Mass. Spool support for twisting machines and the like. 1,665,083; Apr. 3.
- Brownie Corporation, The. (See Andress, Frank J., assignor.)
- Browning, Clarence P. (See Foertsch, Charles W., assignor.)
- Browning Company, The. (See Murfey, G. A., and Meyer, assignors.)
- Browning, George. Computing machine. 1,685,583; Sept. 25.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Adjustable nozzle. 1,656,417; Jan. 17.

- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric iron. 1,665,768; Apr. 10.
- Browning, George, Wilmette, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sheath for cable connections to electric-iron plugs. 1,669,409; May 15.
- Browning, John, administrator. (See Browning, John M.)
- Browning, John M., Ogden, Utah; J. Browning, administrator. Barrel-cooling device for firearms. 1,666,887; Apr. 24.
- Browning, John M., deceased, Ogden, Utah; J. Browning, administrator. Cartridge-feeding device for automatic firearms. 1,692,328; Nov. 20.
- Browning, John R. (See Brown, J. Y., and Browning.)
- Browning, Lester E., Stockton, Calif. Football game. 1,671,465; May 29.
- Browning, Raymond E. (See Cocks, S. J., and Browning.)
- Browning, Robert D., assignor of one-third to C. M. Crafton, Orange, and one-third to E. V. Breeden, Gordonsville, Va. Harvester thrasher. 1,662,736; Mar. 13.
- Brownlee, Henry, Port Hope, Ontario, Canada. Escape device for submarines. 1,686,892; Oct. 9.
- Brownlee, William K., Toledo, Ohio. Replaceable floating bridge part for glass furnaces. 1,657,106; Jan. 24.
- Brownlee, William K., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Continuous tank furnace. 1,670,098; May 15.
- Brownlee, William K., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Glass furnace. 1,695,528; Dec. 18.
- Brownridge, James B., Toronto, Ontario, Canada. Anti-rail-creeping device. 1,695,993; Dec. 18.
- Brownryer, Nelson R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Car wheel. 1,695,529; Dec. 18.
- Broyles, Samuel G., Battle Mountain, Nev. Honey rick. 1,685,021; Sept. 18.
- Brozeit, Carl, Mulheim-Ruhr-Styrum, Germany. Pneumatic apparatus for cutting coal and the like. 1,673,899; June 19.
- Bruckack, Theodore M. (See Linaker, F. W., and Bruckack.)
- Bruckack, Theodore M., Du Bois, Pa. Soot cleaner for boilers. 1,688,482; Oct. 23.
- Brubaker, Walter S., Oakland, assignor, by mesne assignments, to Granberg Meter Corporation, San Francisco, Calif. Strainer. 1,673,391; June 12.
- Brubaker, William A., Akron, Ohio. Vulcanization. 1,665,440; Apr. 10.
- Bruce, Albert W. (See Barker, S. S., and Bruce.)
- Bruce, Alfred W., New York, N. Y. Frame for railroad vehicles. 1,678,323; July 24.
- Bruce, Alfred W., New York, N. Y. Frame for railroad vehicles. 1,678,324; July 24.
- Bruce, Alfred W., New York, N. Y. Locomotive truck. 1,679,153; July 31.
- Bruce, Alfred W., New York, N. Y. Truck for railroad vehicles. 1,679,601; Aug. 7.
- Bruce, Alfred W., New York, N. Y. Locomotive boiler. 1,682,692; Aug. 28.
- Bruce, Alfred W., New York, N. Y. Locomotive boiler. 1,682,723; Aug. 28.
- Bruce, Alfred W., New York, N. Y., and J. B. Ennis, Paterson, N. J. Method of and apparatus for controlling the cut-off of distribution valves of locomotives. 1,692,620; Nov. 20.
- Bruce, Alonzo R., Mexia, and E. T. Thornton, Wortham, Tex. Belt clamp. 1,688,262; Oct. 16.
- Bruce, Daniel C., Nashville, Tenn. Composition of matter. 1,685,981; Oct. 2.
- Bruce, E. (See Gray, James L., assignor.)
- Bruce, E. L. Company. (See Fetz, Werner, assignor.)
- Bruce, Josephine B. (See Bruce, Leo L., assignor.)
- Bruce, Leo L., Holliston, assignor to J. B. Bruce, Gardner, Mass. Beam form. 1,690,361; Nov. 6.
- Bruce Macbeth Engine Company, The. (See Bassett, Alvin J., assignor.)
- Bruce, Malvern L. (See Nelson, Charles S., assignor.)
- Bruce, Malvern L. (See York, Allen B., assignor.)
- Bruce, Thomas M., Calumet, Okla. Cotton-gin-breast-actuating device. 1,681,837; Aug. 21.
- Bruce, William M., jr., Springfield, Ohio. Telegraphy. 1,658,404; Feb. 7.
- Bruce, William M., jr., Springfield, Ohio. Radioreceiver. 1,663,110; Mar. 20.
- Bruce, William M., jr., assignor to The United Telegraph & Cable Company, Springfield, Ohio. Wireless translating device. 1,668,998; May 8.
- Brichmann, Arthur, Tyler, Minn. Automatic railway gate. 1,656,469; Jan. 17.
- Bruckel, Jerome, Avon, N. Y. Sadiron holder. 1,660,474; Feb. 28.
- Brickel, Waldemar, Berlin, Germany, assignor to General Electric Company. Adjustable device. 1,656,418; Jan. 17.
- Brickel, Waldemar, Berlin, Germany, assignor to General Electric Company. Synchronizing apparatus. 1,683,158; Sept. 4.
- Brucker, Henry, Newark, N. J., assignor to American Aluminum Ware Company. Spool. 1,666,404; Apr. 17.
- Brucker, Henry, Newark, N. J., assignor to American Aluminum Ware Company. Seamed tube. 1,670,135; May 15.
- Brucker, Henry, Newark, N. J., assignor to American Aluminum Ware Company. Spool. 1,677,051; July 24.
- Bruckmann, Peter C., St. Louis, Mo. Driving mechanism. 1,670,877; May 22.
- Bruckner, Charles C. (See McKeown, S. C., and Bruckner.)
- Bruckner, Henry B., Jersey City, N. J. Doll structure. 1,660,594; Feb. 28.
- Bruckner, Robert E., Hastings-on-Hudson, assignor to Doherty Research Company, New York, N. Y. Isothermal air compressor. 1,681,280; Aug. 21.
- Bruckner, Rudolph E., Bayside, N. Y., assignor to National Gauge and Equipment Company, La Crosse, Wis. High-pressure gauge casing having an explosion vent. 1,682,033; Aug. 28.
- Bruckshaw, Herbert S., assignor to The Chatwood Safe Company Limited, Bolton, England. Reinforcement for safes, strong rooms, and the like. 1,674,714; June 26.
- Bruder, August J., Holly, Mich. Toilet seat. 1,695,530; Dec. 18.
- Bruderlein, Charles, New York, N. Y. Shoe cleaner. 1,663,972; Mar. 27.
- Brudewold, Canute L. (See Norris, Robert A., assignor.)
- Brucek, Joseph, New York, N. Y. Bowl with wrist support. 1,681,569; Aug. 21.
- Brucek, Theodore M., assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter. 1,678,179; July 24.
- Brucek, Theodore M., assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter. 1,696,264; Dec. 25.
- Bruckne, Julius R., and H. L. Clark, assignors to Glibb Welding Machines Company, Bay City, Mich. Apparatus for lap welding. 1,684,169; Sept. 11.
- Brueggemann, Frank J., East St. Louis, Ill. Feeding device. 1,674,634; June 26.
- Bruel, Lawrence, Brooklyn, N. Y., assignor to Gas Refrigeration Corporation, Scranton, Pa. Evaporator for refrigerating apparatus. 1,688,377; Oct. 23.
- Bruel, Lawrence. (See Otto, S., and Bruel.)
- Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,692,814; Nov. 27.
- Brunner, John, New York, N. Y. Internal-combustion engine. 1,686,794; Oct. 9.
- Brügger, Saverio, Como, Italy. Stopping device for looms. 1,688,782; Oct. 23.
- Brügger, Xaver, Horgen, Zurich, Switzerland. Skeln holder for thread-spooling machines. 1,664,155; Mar. 27.
- Brunger, Carolina. (See Brunger, Frederick, assignor.)
- Brunger, Frederick, assignor of one-half to C. Brunger, South Boston, Mass. Combination step and extension ladder. 1,672,020; June 5.
- Bruhn, Friedrich W. G., Berlin-Wilmersdorf, Germany. Recording device. 1,681,460; Aug. 21.
- Brujines, Johannes. (See Hoist, G., Oosterhuis, and Brujines.)
- Brum, Isaac A., Chicago, Ill. Frame construction. 1,691,371; Nov. 13.
- Brumbaugh, Andrew K., assignor to The Autocar Company, Ardmore, Pa. Storage-battery container. 1,678,033; July 24.
- Brumbaugh, Isaac V., Washington, D. C., assignor to American Stove Company, St. Louis, Mo. Stove. 1,663,438; Mar. 20.
- Brumbly, Martin G., et al. (See Akeyson, S. M., and Ferlin, assignors.)
- Brunner, William C., Milwaukee, Wis. Putting game. 1,689,475; Oct. 30.
- Brunner, William C., Milwaukee, Wis. Ball-returning golf apparatus. 1,689,476; Oct. 30.
- Brumfield, William L. (See Ruzsicska, O., and Brumfield.)
- Brumm, Emile, Lyon, France. Apparatus for the casting of melted metals under pressure. 1,669,323; May 8.
- Brump, Herbert L., assignor to The Day-Fan Electric Company, Dayton, Ohio. Centrifugal switch. 1,696,621; Dec. 25.
- Brundage, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for vulcanizing pneumatic tires. 1,681,973; Aug. 28.
- Brundidge, Sarah F., New York, N. Y. Face lifter. 1,674,541; June 19.
- Brundy, David N., Los Angeles, Calif. Perforated casing. 1,664,734; Apr. 3.
- Bruene, Friedrich, Milwaukee, Wis. Machine for making sheet-metal pipe elbows. 1,679,893; Aug. 7.
- Bruneau, Hudger, Woonsocket, R. I. Can opener. 1,693,020; Nov. 27.
- Bruneau, Hudger, Woonsocket, assignor to Rhode Island Warp Stop Equipment Company, Pawtucket, R. I. Warp stop motion for looms. 1,690,921; Nov. 6.
- Brunell, Leo W., Foxboro, assignor of one-third to E. F. Upham and one-third to E. W. Calkins, Boston, Mass. Treating sheet material with heat. 1,665,185; Apr. 3.
- Brunell, Orville W. (See Greeley, J. T., and Brunell.)
- Brunelle, Frank O., Meriden, Conn. Lock. 1,684,908; Sept. 18.
- Brunelle, Louis O. (See Rousseau, J. E., and Brunelle.)
- Bruner, Clifford J., Columbus, Ohio. Urinal. 1,672,748; June 5.
- Bruner, Francis A., Inc. (See Murray, Robert J., assignor.)

- Bruner, Harold G., Wakefield, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Hose nipple. 1,662,051; Mar. 13.
- Bruner, Simon. (See Ritter, Saul, assignor.)
- Bruner, Simon, Far Rockaway, N. Y. Watchcase and the like. 1,655,411; Jan. 10.
- Brunette, Arthur O., Kelowna, British Columbia, Canada. Heater for sawdust or coal dust. 1,687,539; Oct. 16.
- Brunetti, Leonello, San Francisco, Calif. Tower. 1,658,880; Feb. 14.
- Brunhoff, Edward, Cincinnati, Ohio. Display and vending apparatus. 1,676,682; July 10.
- Brunhoff, Edward, Wyoming, Ohio. Humidor display lid. 1,676,683; July 10.
- Brunhoff, Edward, Wyoming, Ohio. Display stand. 1,686,954; Oct. 9.
- Brunhoff, Edward, Cincinnati, Ohio. Display lid. 1,686,955; Oct. 9.
- Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Bottle-washing apparatus. 1,662,144; Mar. 13.
- Brunhoff Manufacturing Company, The. (See Brunhoff, Edward, assignor.)
- Brunhüner, Georg. (See Wenz, J., Alvera, and Brunhüner.)
- Bruni, Pasquale, Fort Lee, N. J. Combination implement. 1,696,076; Dec. 18.
- Bruninga, John H. (See Blake, G. E., and Bruninga.)
- Bruninga, John H., and E. P. Evers, St. Louis, Mo., assignors to H. Hyman, New York, N. Y. Battery hand lamp. 1,661,785; Mar. 6.
- Brunings, Henry H., Brooklyn, assignor to Americana Lithographic Company, New York, N. Y. Making etched printing plates. 1,665,842; Apr. 10.
- Brunk, Harold J., Chicago, Ill., assignor to C. F. Pease Company. Rear-discharge attachment for blue-print driers. 1,669,552; May 15.
- Brunkow, Almon T., Duluth, Kans. Extracting tool. 1,652,954; Sept. 4.
- Brunnell, Earl C., Stratford, Conn., assignor to J. J. King, New York, N. Y. Safety razor. 1,678,933; July 31.
- Brunner, Ernest H. D. (See Bushell, B. D., Ewing, and Brunner.)
- Brunner, Eugen, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Landing bumper for airships. 1,694,873; Dec. 11.
- Brunner, John, Chicago, Ill. Apparatus for cooling car wheels. 1,674,884; June 26.
- Brunner, Matthew J. (See Pinkel, A. F., and Brunner.)
- Brunträger, Franz. (See Kränzlein, G. Voss, and Brunträger.)
- Bruno, C., & Son, Inc. (See Stark, Theodore H., assignor.)
- Bruno, William A., Astoria, N. Y. Electric coil and inductance. 1,655,178; Jan. 3.
- Brunow, Gunther H., Port Arthur, Tex. Relief valve. 1,679,763; Aug. 7.
- Brunswick-Balke-Collender Co., The. (See Berg, Hans, assignor.)
- Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
- Brunswick-Balke-Collender Company, The. (See Bishop, J. W., and Booth, assignors.)
- Brunswick-Balke-Collender Company, The. (See Booth, Byron C., assignor.)
- Brunswick-Balke-Collender Company, The. (See Kennedy, Robert E., assignor.)
- Brunswick-Balke-Collender Co., The. (See Miller, John O., assignor.)
- Brunswick-Balke-Collender Company, The. (See Nystrom, Martin, assignor.)
- Brunswick-Balke-Collender Company, The. (See Spring, Joseph, assignor.)
- Brunswick-Balke-Collender Company, The. (See Thompson, George L., assignor.)
- Brunzel, Karl, Coblenz, Germany. Drying air in mines. 1,658,114; Feb. 7.
- Brusch, Helmuth, Chicago, Ill. Safety fender. 1,665,251; Apr. 10.
- Brusch, Helmuth, Chicago, Ill. Automobile. 1,665,441; Apr. 10.
- Brush, Alanson P., Detroit, Mich. Energy-storage unit. 1,663,647; Mar. 27.
- Brush, Alanson P., Detroit, Mich. Manifold for internal-combustion engines. 1,670,492; May 22.
- Brush, Alanson P., Detroit, Mich., assignor to The Simplex Piston Ring Co. of America, Inc., Cleveland, Ohio. Internal-combustion engine. 1,616,894; Mar. 6.
- Brush, Charles F., Jr., assignor to The Brush Laboratories Company, Cleveland, Ohio. Making beryllium and aluminum oxides. 1,656,660; Jan. 17.
- Brush, Charles F., Jr., Cleveland, Ohio, and R. D. Fay, Nahant, Mass., assignors to The Brush Laboratories Company, Cleveland, Ohio. Measuring the rate of mass flow and the temperature of fluids and apparatus therefor. 1,691,600; Nov. 13.
- Brush Laboratories Company, The. (See Brush, Charles F., Jr., assignor.)
- Brush Laboratories Company, The. (See Brush, C. F., Jr., and Fay, assignors.)
- Brush Laboratories Company, The. (See Grundman, Fred W., assignor.)
- Brush Laboratories Company, The. (See Sawyer, Charles B., assignor.)
- Brush, Mittie T., Dublin, N. H. Reenforced transparent sheet and making the same. 1,686,649; Oct. 9.
- Brush, Nathan A., Joliet, Ill., assignor to The Greif Bros. Cooperage Co., Cleveland, Ohio. Head for barrels. 1,674,682; June 26.
- Brust, Walter W., Weston, W. Va. Box-cutting machine. 1,675,247; June 26.
- Brust, Walter W., Weston, W. Va. Cutting device. 1,689,110; Oct. 23.
- Bruton, William C., Berkeley, Calif., assignor to American Manganese Steel Company, Chicago, Ill. Rotary screen or plate for producing same. 1,694,498; Dec. 11.
- Brütsch, Hans. (See Knecht, O., and Brütsch.)
- Brutto, Frank. (See Gagliardi S., and Brutto.)
- Bruynis, Carel, The Hague, Netherlands. Switch. 1,658,511; Feb. 7.
- Bryan, Benjamin B., Jr., New York, N. Y. Applying to useful purposes the energy developed through the momentum of moving trains. 1,687,927; Oct. 16.
- Bryan, George A., Peru, Ind., assignor to Bryan Harvester Company. Steam generator. 1,672,480; June 5.
- Bryan, George H. (See Bullock, E. W., and Bryan.)
- Bryan, George H. (See Gleason, J. E., Bryan, Finsen, and Slade.)
- Bryan, Harry, W. H. Ross, and J. R. Adams, Washington, D. C., assignors to the Government and the People of the United States of America. Spraying device. 1,670,711; May 22.
- Bryan Harvester Company. (See Bryan, George A., assignor.)
- Bryan, James T. (See Marston, Richard E., assignor.)
- Bryan, Murrice T., Redondo Beach, Calif. Liquid-fuel vaporizer. 1,682,065; Aug. 28.
- Bryan Screw Machine Products Company, The. (See Gille, George W., assignor.)
- Bryan, William E., assignor to Slack & Parr Limited, Kegworth, Derby, England. Petrol and other measured quantity delivery pump. 1,679,021; July 31.
- Bryans, H. H. trustee. (See Filer, Adelbert F., assignor.)
- Bryant, Albert H., and E. G. Tuck, Portland, Oreg. Raft for transporting timber. 1,682,064; Aug. 28.
- Bryant, Benjamin O. (See Le Boeuf, Frank, assignor.)
- Bryant, Clarence R., and A. F. Weiss, St. Louis, Mo. Automobile radiator shutter. 1,662,844; Mar. 20.
- Bryant, Edward W. (See Corell, J. J., and Bryant.)
- Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
- Bryant Electric Company, The. (See Anderson, C. E., and Keefe Jr., assignors.)
- Bryant Electric Company, The. (See Forstrom, Edward E., assignor.)
- Bryant Electric Company. (See Hammerstrom, Oscar, assignor.)
- Bryant Electric Company, The. (See Hammerstrom, O., and Engstrom, assignors.)
- Bryant Electric Company, The. (See McKinley, Benjamin P., assignor.)
- Bryant Electric Company, The. (See Thomas, George B., assignor.)
- Bryant Electric Refrigerator Corporation. (See Bryant, Forrest, L., assignor.)
- Bryant, Forrest L., Binghamton, N. Y. Condenser. 1,663,995; Mar. 27.
- Bryant, Forrest L., Johnson City, N. Y., assignor to Bryant Electric Refrigerator Corporation, Wilmington, Del. Quick-make and quick-break switch. 1,665,529; Apr. 10.
- Bryant, Forrest L., Johnson City, N. Y., assignor to Bryant Electric Refrigerator Corporation, Wilmington, Del. Refrigerating unit. 1,693,433; Nov. 27.
- Bryant, Frank H., Mill Valley, Calif. Tire shoe. 1,695,450; Dec. 18.
- Bryant, Frank L., Joliet, Ill. Valve. 1,688,035; Oct. 16.
- Bryant, Frank W., West Lafayette, Ind., assignor to The Phi Kappa Tau Fraternity, Indianapolis, Ind. Fraternity badge. Des. 76,732; Oct. 30.
- Bryant Heater and Manufacturing Company, The. (See Fox, Otto, assignor.)
- Bryant, Henry E., Providence, assignor to Tubular Woven Fabric Company, Pawtucket, R. I. Machine for winding strip material into tubular form. 1,668,758; May 8.
- Bryant, Leslie R., assignor of one-half to W. L. Bass, Hattiesburg, Miss. Track-gauge indicator. 1,681,091; Aug. 14.
- Bryant, Roderick W., Omaha, Nebr. Rerailing block. 1,681,281; Aug. 21.
- Bryant, Roger H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio loud-speaker assembly. 1,664,241; Mar. 27.
- Bryant, Ozro N., Moores, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,664,849; Apr. 3.
- Bryant, Thomas W., Torrington, Conn. Golf club. 1,680,447; Aug. 14.
- Bryant, Waldo G., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Jump-ring coupling. 1,685,042; Sept. 18.
- Bryant, William A., Orlando, Fla. Wave motor. 1,674,885; June 26.
- Bryant, William L., Springfield, Vt. Micrometer gauge. 1,676,248; July 10.
- Bryce Brothers Company. (See Dithridge, James D., assignor.)

- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Wireless synchronizing clock system. 1,657,105; Jan. 24.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Current-inducing device for record-controlled machines. 1,658,023; Jan. 31.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Record-controlled machine. 1,658,024; Jan. 31.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Brush reading device for combinational hole records. 1,664,539; Apr. 3.
- Bryce, James W., Bloomfield, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Sorting machine. 1,667,837; May 1.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Alarm device for clocks in signaling systems. 1,676,075; July 3.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Synchronizing clocks. 1,687,491; Oct. 16.
- Bryce, James W., Binghamton, N. Y., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,661,555; Mar. 6.
- Bryce, James W., Binghamton, N. Y., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,661,556; Mar. 6.
- Bryce, James W., Binghamton, N. Y., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,669,853; May 15.
- Bryce, James W., Bloomfield, and A. M. Robinson, East Orange, N. J., assignors to International Time Recording Company of New York, Endicott, N. Y. Time recorder. 1,671,968; June 5.
- Brydon, Andrew W. (See Hodgart, J. H., and Brydon.)
- Brynelson, Arthur W., Augusta, Ga. Roundabout. 1,685,627; Sept. 25.
- Brysilka, Limited. (See Schubert, Friedrich W., assignor.)
- Bryson, Charles R. (See Templeton, David K., assignor.)
- Bryson, John N., et al. (See Grames, Lawrence R., assignor.)
- Bryson, Tandy A., and J. J. McKeon, Troy, N. Y., assignor, by mesne assignment, to General Laundry Machinery Corporation, Philadelphia, Pa. Treating fabrics. 1,687,122; Oct. 9.
- Bryzky, Antoni, Minneapolis, Minn. Windmill. 1,674,316; June 19.
- Bub, Leopold, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-Main, Germany. Manufacture of pure urea. 1,659,190; Feb. 14.
- Bubb, Harry A., Monroe, La. Breakfast set. 1,668,759; May 8.
- Buben, William, St. Louis, Mo. Camera-holding stand. 1,666,770; Apr. 17.
- Buc, Hyum E. (See Hopkins, M. B., and Buc.)
- Buc, Hyum E., Roselle, N. J., assignor to Standard Oil Development Company. Drier and the combination thereof with drying oils. 1,686,484; Oct. 2.
- Buc, Hyum E., Roselle, N. J., assignor to Standard Oil Development Company. Drier and the combination thereof with drying oils. 1,686,485; Oct. 2.
- Buc, Hyum E., Roselle, N. J., assignor to Standard Oil Development Company. Drier and the combination thereof with drying oils. 1,686,486; Oct. 2.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Combined lighting fixture and mail box. Des. 74,412; Feb. 14.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture panel. Des. 74,541; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture plate. Des. 74,542; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture panel. Des. 74,543; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture plate. Des. 74,544; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture arm. Des. 74,545; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture arm. Des. 74,546; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture plate. Des. 74,547; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture plate. Des. 74,548; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting wall fixture. Des. 74,549; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting wall fixture. Des. 74,550; Feb. 28.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Electric-lighting-fixture ring. Des. 77,056; Dec. 4.
- Buccini, Hugo A., assignor to Victory Lamp Company, Philadelphia, Pa. Combined lighting fixture and mailbox. 1,659,351; Feb. 14.
- Buccini, Luigi, Ansonia, Conn. Device for hanging curtains on sinks. 1,671,224; May 29.
- Buchan, Hugh G., Rahway Township, Union County, N. J. File. 1,660,543; Feb. 28.
- Buchanan, Clarence S. (See Buchanan, John W. and C. S.)
- Buchanan, Frank, assignor to Crouse-Hinds Company, Syracuse, N. Y. Traffic signal. 1,666,041; Apr. 10.
- Buchanan, Frank, and K. W. Mackall, assignors to Crouse-Hinds Company, Syracuse, N. Y. Lamp. 1,673,100; June 12.
- Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Separating cyanides from mixtures. 1,660,667; Feb. 28.
- Buchanan, Guy H., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Making hydrocyanic acid from crude cyanides. 1,667,938; May 1.
- Buchanan, Guy H., Westfield, N. J., and G. Barsky, assignors to American Cyanamid Company, New York, N. Y. Recovering oxalates. 1,687,480; Oct. 9.
- Buchanan, Guy H., Westfield, and P. W. Griffith, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovering combined nitrogen from crude calcium cyanamide. 1,678,721; July 31.
- Buchanan, Guy H., Westfield, and C. M. Hulings, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing potassium ferrocyanide. 1,667,839; May 1.
- Buchanan, Guy H., Westfield, and J. L. Osborne, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacturing formic acid. 1,666,437; Apr. 17.
- Buchanan, Guy H., Westfield, G. B. Winner, Elizabeth, and E. L. Tucker, Roselle, N. J., assignors to American Cyanamid Company, New York, N. Y. Hydrometallurgical process. 1,654,918; Jan. 3.
- Buchanan, Isaac W. P., Lebanon, Tenn. Spraying device. 1,669,282; May 8.
- Buchanan, Isaac W. P., Lebanon, Tenn. Variable spray device. 1,670,235; May 15.
- Buchanan, John W. and C. S., Folkston, Ga. Sap-collecting receptacle. 1,671,888; May 29.
- Buchanan, Monty J., Seattle, Wash. Wall-board-joint filler strip. 1,676,076; July 3.
- Buchanan, Stephen N., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Mounting electrical fittings. 1,675,921; July 3.
- Buchanan, Stephen N., New York, N. Y., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 1,682,738; Sept. 4.
- Buchanan, William C. (See Hall, W. O., and Buchanan.)
- Buchanan-Wollaston, Hugo J., Lowestoft, England. Tightening and gripping device for string employed in the tying of parcels. 1,687,856; Oct. 16.
- Buchanan, Lloyd W., and S. N. Blewett, Stockton, Calif. Combined gum and package-confection case. Des. 76,662; Oct. 23.
- Bucher, Armin. (See Staudinger, H., Tobler, Stocker, Müller, and Bucher.)
- Bucher & Gibbs Plow Company, The. (See Groenke, John H., assignor.)
- Buchet, Conrad R., Long Beach, Calif. Toy speed boat. 1,685,350; Sept. 25.
- Buchet, Conrad R., and T. E. Baker, San Diego, Calif., assignors to G. S. Rogers, J. W. Welch, L. Ruegg, R. W. Heathman, and L. E. Wallis, trustees of the California Holding Company. Grease measuring and dispensing apparatus. 1,668,003; May 1.
- Buchheit, Albert J., et al. (See Fullenlove, McClellan C., assignor.)
- Buchheit, Henry F., Milwaukee, Wis. Shade-roller support. 1,668,140; May 1.
- Buchheit, William, et al. (See Fullenlove, McClellan C., assignor.)
- Buchholz, Alfred R. (See Mueller, T. G., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt.)
- Buchholz, Frank. (See Buchholz, William C. and F.)
- Buchholz, René F., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Resistance element. 1,656,901; Jan. 24.
- Buchholz, Theodor, Berlin-Zehlendorf-West, Germany. Rail fastening. 1,658,665; Feb. 7.
- Buchholz, Theodor, Berlin-Zehlendorf-West, Germany. Rail fastening. 1,659,229; Feb. 14.
- Buchholz, William C. and F., Brooklyn, N. Y. Illuminated dial. Re17,017; July 3.
- Buchli, Jacob, Winterthur, Switzerland. Driving arrangement for electrically-driven rail vehicles. 1,655,010; Jan. 3.
- Buchli, Jacob, Winterthur, Switzerland. Motor-driven rail vehicle. 1,655,409; Jan. 10.
- Buchli, Jacob, Winterthur, Switzerland. Motor-driven rail vehicle. 1,656,902; Jan. 24.
- Buchli, Jacob, Winterthur, Switzerland. Oil-motor-driven locomotive. 1,677,704; July 17.
- Buchli, Jacob, Winterthur, Switzerland. Driving gear for electrically-driven locomotives. 1,681,171; Aug. 21.
- Buchli, Jacob, Winterthur, Switzerland. High-pressure steam boiler for locomotives. 1,686,893; Oct. 9.

- Buchli, Jacob, Winterthur, assignor to Akiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric locomotive construction. 1,671,099; May 29.
- Buchman, Isidore, assignor to The L. Buchman Co., Inc., Brooklyn, N. Y. Pillow or cushion. 1,661,690; Mar. 6.
- Buchman, L., Co., The. (See Buchman, Isidore, assignor.)
- Buchner, Max, Hanover-Kleeefeld, Germany, assignor to A. F. Meyerhofer, Zurich, Switzerland. Production of hydrofluoric acid from fluorine and silicic substances. 1,664,848; Mar. 27.
- Buchner, Max, Hanover-Kleeefeld, Germany, assignor to A. F. Meyerhofer, Zurich, Switzerland. Production of carbonates. 1,675,786; July 3.
- Buchner, Max, Hanover-Kleeefeld, Germany, assignor to A. F. Meyerhofer, Zurich, Switzerland. Production of soluble salts of organic compounds possessing acid character. 1,683,159; Sept. 4.
- Buchner, Max, Hanover-Kleeefeld, Germany, assignor to A. Meyerhofer, Zurich, Switzerland. Manufacturing complex hydrofluoric salt. 1,685,628; Sept. 25.
- Buchner, Oswald, Hongg, near Zurich, Switzerland. Day-light projecting screen. 1,666,808; Apr. 17.
- Buchner, Rudolph, Sydney, New South Wales, Australia. Prepayment message receiving and delivering device. 1,688,114; Oct. 16.
- Buchwalter, Marguerite A., New York, N. Y. Lamp. Des. 76,340; Sept. 18.
- Buchwalter, Marguerite A., New York, N. Y. Flowerpot or similar article. Des. 76,606; Oct. 16.
- Buchwalter, Marguerite A., New York, N. Y. Candlestick or similar article. Des. 77,217; Dec. 18.
- Buck, Ainsworth, Incorporated. (See Bardello, Antonio, assignor.)
- Buck, Edward C., Port of Spain, Trinidad, British West Indies. Attachment for Abney levels. 1,675,158; June 26.
- Buck, Everett A. (See Malloy, M. J., and Buck.)
- Buck, Frank E., Baltimore, Md. Tool for footwear fitters. 1,657,454; Jan. 31.
- Buck, Henry L., et al. (See Mason, Charles T., assignor.)
- Buck, James W., assignor of one-half to C. L. Dean, New York, N. Y. Silencing machine. 1,663,543; Mar. 27.
- Buck, Nelson E., D. W. Roper, and A. P. Thoms, Chicago, Ill. Cable joint. 1,689,323; Oct. 30.
- Buck, Nelson E., D. W. Roper, and A. P. Thoms, Chicago, Ill. Cable joint. 1,689,420; Oct. 30.
- Buck, Ralph L., Jamestown, N. Y. Oil-well-cleaning device. 1,672,200; June 5.
- Buckert, Homer A., St. Louis, and E. K. Hall, University City, Mo. Misalignment indicator for wheels. 1,665,252; Apr. 10.
- Buckert, Homer A., St. Louis, and E. K. Hall, University City, Mo. Receding or disappearing caster or roller. 1,686,894; Oct. 9.
- Buckert, Homer A., St. Louis, and E. K. Hall, University City, Mo. Wheel-alignment indicator. 1,686,895; Oct. 9.
- Buckert, Homer A., St. Louis, and E. K. Hall, University City, Mo. Automobile creeper. 1,686,896; Oct. 9.
- Buckeye Box Company, The. (See Abraham, William, assignor.)
- Buckeye Jack Manufacturing Company, The. (See Rodman, C. J., and Bates, assignors.)
- Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
- Buckeye Steel Castings Company, The. (See Bush, S. P., and Larsen, assignors.)
- Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)
- Buckeye Steel Castings Company, The. (See Larsen, Jacob C., assignor.)
- Buckeye Steel Castings Company, The. (See Larsen, J. C., and Orr, assignors.)
- Buckeye Steel Castings Company, The. (See McPherson, John S., assignor.)
- Buckeye Steel Castings Company, The. (See Whitridge, J. C., and Johnson, assignors.)
- Buckeye Steel Castings Company, The. (See Wolfe, Harry H., assignor.)
- Buckeye Traction Ditcher Company, The. (See George, Charles L., assignor.)
- Buckham, Charles W., New York, N. Y. Building. 1,694,309; Dec. 4.
- Buckham, George T. (See Dawson, A. T., and Buckham.)
- Buckham, George T. (See Dawson, A. T., Buckham, and White.)
- Buckingham, Benjamin J., assignor to M. M. Mayer, Chicago, Ill. Display apparatus. 1,680,034; Aug. 7.
- Buckingham, Benjamin J., assignor to M. M. Mayer, Chicago, Ill. Display apparatus. 1,680,035; Aug. 7.
- Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Testing machine for threaded members. 1,656,314; Jan. 17.
- Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Internal-gear-generating machine. 1,660,915; Feb. 28.
- Buckingham, Francis. (See Tretch, W. J., and Buckingham.)
- Buckingham, Fremont H., Detroit, Mich., assignor to Toledo Scale Company, Toledo, Ohio. Indicating device. 1,671,272; May 29.
- Buckingham & Hecht. (See Wiel, Eli H., assignor.)
- Buckingham, William H., assignor of one-half to S. Salzburg, Mayfield, Pa. Guard for hand straps. 1,667,307; Apr. 24.
- Buckland, Bruce O., and G. B. Warren, Schenectady, N. Y., assignors to General Electric Company. Geared turbine installation. 1,677,026; July 10.
- Buckle, Horace L. T., Iver Heath, England, assignor to Victor Talking Machine Company, Camden, N. J. Talking machine. 1,683,160; Sept. 4.
- Buckle, Horace L. T., Iver Heath, England, assignor to Victor Talking Machine Company. Automatic brake for talking machines. 1,685,872; Oct. 2.
- Bucklen, Herbert E., Elkhart, Ind. Propeller. 1,686,069; Oct. 2.
- Buckley, Edward H., Philadelphia, Pa. Tubular insulator. 1,678,054; July 24.
- Buckley, Ernest P., New York, N. Y., assignor, by mesne assignments, to Permex Corporation of America. Valve mechanism. 1,683,523; Sept. 4.
- Buckley, John, Brooklyn, N. Y. Full hydraulic brake. 1,669,325; May 8.
- Buckley, Joseph B., Detroit, Mich. Combination game board and score counter. 1,694,965; Dec. 11.
- Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph conductor. 1,662,956; Mar. 20.
- Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Dynamometer. 1,666,680; Apr. 17.
- Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,668,888; May 8.
- Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine cable. 1,681,515; Aug. 21.
- Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of continuously-loaded electrical conductors. 1,689,324; Oct. 30.
- Buckley, Oliver E., Maplewood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Magnetic alloy. 1,695,088; Dec. 11.
- Buckley, Oliver E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 1,696,265; Dec. 25.
- Buckley, Thomas F., Scranton, Pa. Spring-forming machine. 1,685,415; Sept. 25.
- Buckman, Edward A., and T. F. Morson, Santa Ana, Calif. Internal-combustion engine. 1,672,869; June 12.
- Buckman, Frederick A., Auburn, N. Y., assignor to International Harvester Company, Chicago, Ill. Disk for tillage implements. 1,663,239; Mar. 20.
- Buckman, Nellie L., Santa Ana, Calif. Quickly-detachable valve cap. 1,692,621; Nov. 20.
- Buckminster, Ira C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on parts of boots and shoes. 1,686,728; Oct. 9.
- Bucknan, Joseph S., Jr., and W. F. De Groat, Fort Lauderdale, Fla. Combined awning and shutter. 1,668,938; May 8.
- Bucknell, Ernest H. (See Bletcher, R. E., and Bucknell.)
- Bucknell, Ernest H., and R. E. Bletcher, Los Angeles, Calif. 1,656,772; Jan. 17.
- Buckner, Hugo J., Hanford, Calif. Automobile signal switch. 1,680,854; Aug. 14.
- Buckner, William A., Fresno, Calif. Slow-speed-rotation facilitator for sprinkler heads. 1,668,582; May 8.
- Buck's Stove & Range Company, The. (See Templeton, Jones T., assignor.)
- Buckwalter Stove Company. (See Hewitt, Frank W., assignor.)
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rolling mill. 1,664,156; Mar. 27.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rolling mill. 1,664,157; Mar. 27.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Closure for bearings. 1,667,507; Apr. 24.
- Bucky, Gustav, New York, N. Y. Adjustable carrier for photographic-plate holders. 1,658,833; Feb. 14.
- Bucky, Gustav, New York, N. Y. X-ray tube. 1,679,332; July 31.
- Bucky, Gustav, New York, N. Y. X-ray tube. 1,679,894; Aug. 7.
- Bucyrus-Erie Company. (See Armstrong, Edwin J., assignor.)
- Bucyrus-Erie Company. (See Bager, Svante R. W. M., assignor.)
- Bucyrus-Erie Company. (See Fykse, Mitchell L., assignor.)
- Bucyrus-Erie Company. (See Lemp, Hermann, assignor.)
- Buda Company, The. (See Gormley, Frank L., assignor.)
- Buda Company, The. (See Morrill, Lewis H., assignor.)
- Buda, Pasquale, New York, N. Y., assignor of one-fourth to F. Horowitz, St. Louis, Mo. Stream motor. 1,684,469; Sept. 18.
- Budd, Edward G., Manufacturing Company. (See D'Ardenne, Walter H., assignor.)
- Budd, Edward G., Manufacturing Co. (See Delsley, Edward J., assignor.)

- Budd, Edward G., Manufacturing Company. (See Kelley, George L., assignor.)
- Budd, Edward G., Manufacturing Company. (See Klein-smith, Frederick, assignor.)
- Budd, Edward G., Manufacturing Company. (See Led-winka, Joseph, assignor.)
- Budd, Edward G., Manufacturing Company. (See Mayer, William J., assignor.)
- Budd, Edward G., Manufacturing Co. (See Meadowcroft, Joseph W., assignor.)
- Budd, Edward G., Manufacturing Co. (See Valentine, William A., assignor.)
- Budd, Edward G., assignor to Budd Wheel Company, Philadelphia, Pa. Rolling wheel rims. 1,595,581; Dec. 18.
- Budd, Howard L., Brooklyn, N. Y. Vase or similar article. Des. 75,825; July 24.
- Budd, Howard L., Brooklyn, N. Y. Shaker or similar article. Des. 76,285; Sept. 11.
- Budd, Howard L., assignor to Friedman Silver Co., Inc., Brooklyn, N. Y. Cup or similar article. Des. 75,409; June 5.
- Budd, Howard L., New York, N. Y., assignor to Friedman Silver Co., Inc. Platter or similar article. Des. 75,410; June 5.
- Budd, Howard L., New York, N. Y., assignor to Friedman Silver Co., Inc. Pitcher or similar article. Des. 75,411; June 5.
- Budd Wheel Company. (See Budd, Edward G., assignor.)
- Budd Wheel Company. (See Furbush, Richard, assignor.)
- Budd Wheel Company. (See Hunt, J. Harold, assignor.)
- Budd Wheel Company. (See Kelley, George L., assignor.)
- Budd Wheel Company. (See Ledwinka, Joseph, assignor.)
- Budd Wheel Company. (See Ludwick, Herbert V., assignor.)
- Budd Wheel Company. (See Nelson, Emil A., assignor.)
- Budd Wheel Company. (See Smith, John W., assignor.)
- Budd Wheel Company. (See Tarbox, John P., assignor.)
- Budde, Harry D., St. Louis, Mo. Liquid meter. 1,658,038; Feb. 7.
- Budny, Maciej, Garfield Heights, Ohio. Paper-marker fastener. 1,667,241; Apr. 24.
- Budreau, George, Francesville, Ind., assignor to International Harvester Company. Draft connection. 1,659,016; Feb. 14.
- Budwig, Maurice, and J. N. Schneider, Cleveland, Ohio. Infantile napkin. 1,694,161; Dec. 4.
- Buechler, Joseph C., Hague, N. Dak. Check-book clamp. 1,678,055; July 24.
- Buedingen, William L., Milwaukee, Wis. Magnetic toy. 1,674,095; June 19.
- Buehler, Leon, jr. (See Small, N. M., and Buehler.)
- Buehler, Louis E. G., Oak Park, Ill. Power-transmission means. 1,668,709; May 8.
- Buel, Hillhouse, Seattle, Wash., assignor of one-half to W. P. Hammond, Scarsdale, N. Y. Composition for preserving food products. 1,680,934; Aug. 14.
- Buel, Walter, St. Louis, Mo. Grave cover. 1,683,654; Sept. 11.
- Buell, Roy D. (See Flewelling, Edmund T., assignor.)
- Buente, Charles F., assignor to Concrete Products Company of America, Pittsburgh, Pa. Method of and apparatus for forming concrete pipe. 1,684,858; Sept. 18.
- Buerger, Charles B., assignor to Gulf Refining Company, Pittsburgh, Pa. Apparatus for and process of distilling oils. 1,666,042; Apr. 10.
- Buerger, Charles B., assignor to Gulf Refining Company, Pittsburgh, Pa. Pressure-still process. 1,672,801; June 5.
- Buerger, Charles B., assignor to Gulf Oil Burner Company, Pittsburgh, Pa. Liquid-fuel burner. 1,685,804; Oct. 2.
- Buerger, Charles B., assignor to Gulf Oil Burner Company, Pittsburgh, Pa. Liquid-fuel burner. 1,685,836; Oct. 2.
- Buff, Louis F., Jamaica Plain, Mass. Shaft bearing. 1,674,317; June 19.
- Buffalo Bolt Company. (See Mollnow, Edward A., assignor.)
- Buffalo Bolt Company. (See Topping, Charles P., assignor.)
- Buffalo Brake Beam Company. (See Campo, James A., assignor.)
- Buffalo Brake Beam Company. (See Crone, Seth A., assignor.)
- Buffalo Co-Operative Stove Co. (See Breitwieser, Edward, assignor.)
- Buffalo Co-Operative Stove Co. (See Schamberg, George, assignor.)
- Buffalo Forge Company. (See Carrier, Willis H., assignor.)
- Buffalo Forge Company. (See Yates, Arthur T., assignor.)
- Buffalo Foundry & Machine Company. (See How, Harlan W., assignor.)
- Buffalo Foundry & Machine Co. (See Lavett, Charles O., assignor.)
- Buffalo Hammer Mill Corporation. (See Mursch, John, assignor.)
- Buffalo Hammer Mill Corporation. (See Mursch, J., and Schutte, assignors.)
- Buffalo Pressed Steel Company. (See Gould, J. H., and Hyatt, assignors.)
- Buffalo Pressed Steel Company. (See Haas, Lucien L., assignor.)
- Buffalo Pressed Steel Company. (See MacKenzie, R. J., and Haas, assignors.)
- Buffalo Refractory Corporation. (See Farish, William A., assignor.)
- Buffalo-Springfield Roller Co., The. (See O'Connor, Robert E., assignor.)
- Bufat, Edward F., Knoxville, Tenn. Molding apparatus. 1,669,807; May 15.
- Buffington, John R., assignor to Decarie Incinerator Corporation, New York, N. Y. Heat regenerator. 1,687,236; Oct. 9.
- Buffo, Guido, Cordoba, Argentina. Tire. 1,658,426; Feb. 7.
- Buford, Thomas S., Joplin, Mo. Refrigerating display counter. 1,668,939; May 8.
- Buford, William J., Houston, Tex. Automatic valve. 1,657,658; Jan. 31.
- Bugatti, Ettore, Molsheim, France. Contact device for magnetos. 1,695,708; Dec. 18.
- Bugbee, Lucian W., Indianapolis, Ind., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y. Making and marking toric and like lenses. 1,677,382; July 17.
- Bugbee & Niles Co. (See King, Rufus, assignor.)
- Bugenbagen, George H., Minot, N. Dak. Automatic control valve. 1,680,591; Aug. 14.
- Bugg, Owen T., Beacon, assignor to J. H. Warner, Poughkeepsie, N. Y. Rubber article. 1,669,854; May 15.
- Buhl Stamping Company. (See Comp, Charles A., assignor.)
- Bühler, Georg, Steinenkirch, near Geislingen-on-the-Steige, Germany. Suction apparatus. 1,678,932; July 31.
- Buhr, Frederick F., and J. S. Carlson, San Francisco, Calif. Seesaw. 1,656,692; Jan. 17.
- Buhr, Joseph F., Detroit, Mich. Multiple-spindle drill head. 1,696,468; Dec. 25.
- Bubrie, Joseph H., Ruffs Dale, Pa. Toy gun. 1,666,771; Apr. 17.
- Bührig, Wilhelm H. F. (See Corby, R. L., and Bührig.)
- Bühring, Kurt. (See Tengström, H., and Bühring.)
- Buhrke, Alfred E., River Forest, Ill. Golf-club head. Des. 74,413; Feb. 14.
- Buhrke, Alfred E., River Forest, Ill. Golf-club head. Des. 74,414; Feb. 14.
- Buhrke, Alfred E., River Forest, Ill. Golf-club head. Des. 74,415; Feb. 14.
- Buhrke, Alfred E., River Forest, Ill. Golf-club head. Des. 74,416; Feb. 14.
- Buhrke, Alfred E., River Forest, Ill. Golf-club head. Des. 75,013; May 1.
- Buhrke, Alfred E., River Forest, assignor to R. H. Buhrke Company, Chicago, Ill. Golf-club head. Des. 75,009; May 1.
- Buhrke, R. H., Company. (See Buhrke, Alfred E., assignor.)
- Buie, Norman, Stayner, Ontario, Canada. Aeroplane. 1,665,769; Apr. 10.
- Builders Iron Foundry. (See Connet, Frederick N., assignor.)
- Builders Iron Foundry. (See Connet, F. N. and Huxford, assignors.)
- Buist, Lyman O., Toronto, Ontario, Canada. Liquid container. 1,665,770; Apr. 10.
- Buftenkamp, Frank, San Francisco, Calif. Track-laying skate. 1,694,162; Dec. 4.
- Buivid, Michel, Whitestone, N. Y. Badge or similar article. 74,167; Jan. 3.
- Buker, Edward, assignor to Coach and Car Equipment Corporation, Chicago, Ill. Car seat. 1,656,941; Jan. 24.
- Bukolt, Roman B., Stevens Point, Wis. Steering-post mounting. 1,659,852; Feb. 21.
- Bukow, Reinhold, Long Island City, assignor to Hardman Peck & Co., New York, N. Y. Tracking device. 1,676,475; July 10.
- Bulbeck, George, London, England. Demountable hut. 1,683,022; Sept. 4.
- Bull, Arthur A. (See Handy, R. G., and Bull.)
- Bull, Clinton H., assignor of one-half to C. C. Le May, Columbus, Ohio. Rock bit. 1,663,332; Mar. 20.
- Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Roller cutter. 1,658,919; Feb. 14.
- Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Measuring tape. 1,626,956; Oct. 9.
- Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 1,686,957; Oct. 9.
- Bull, Fredrik R., Oslo, Norway. Electric sorting machine for perforated cards. 1,656,999; Jan. 24.
- Bull, Fredrik R., deceased, by Hilditch and U. Strom, Oslo, Norway, executors. Automatic printing machine. 1,675,969; July 3.
- Bull, George E., Belle Vernon, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Machine for forming fabric structures. 1,690,100; Nov. 6.
- Bull, William C., Los Angeles, Calif. Listing, counting, and printing machine. 1,664,768; Apr. 3.
- Bulla, Horace E. (See Reed, M. L., and Bulla.)
- Bulla, Melbern B., El Paso, Tex. Removing car brasses. 1,686,729; Oct. 9.
- Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Automobile bumper. 1,661,786; Mar. 6.

- Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Power chucking device. 1,690,567; Nov. 6.
- Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Turret head for machine tools. 1,690,568; Nov. 6.
- Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Automatic multiple-spindle lathe. 1,696,027; Dec. 18.
- Bullard Machine Tool Company, The. (See Bullard, Edward P., jr., assignor.)
- Bullard Machine Tool Co., The. (See Daniels, Lee G., assignor.)
- Bullard Machine Tool Co., The. (See Henrickson, assignor.)
- Bullard Machine Tool Company, The. (See Kolb, George F., assignor.)
- Bullard, Maurice L., Rutherford, N. J., assignor to P. S. Thorsen & Company, Inc., Brooklyn, N. Y. Heat-insulating wall. 1,660,916; Feb. 28.
- Bullard, William P., Albany, Ga. Feeding means for grading apparatus. 1,688,263; Oct. 16.
- Bullen, Robert J. (See May, E., jr., and Bullen.)
- Buller, Edward J., Monroe, Wash. Radiocabinet. Des. 74,551; Feb. 28.
- Bulletin Co. (See Kearney, George F., assignor.)
- Bulley, George W., assignor to The Miller Rubber Company, Akron, Ohio. Sound-amplifying horn. 1,655,385; Jan. 3.
- Bullington, Frank A., Kansas City, Mo. Internal-combustion engine. 1,676,212; July 3.
- Bullington, Frank A., assignor to Bullington Motors, Kansas City, Mo. Transmission for rotary engines. 1,676,211; July 3.
- Bullington Motors. (See Bullington, Frank A., assignor.)
- Bullis, Carleton H., Cleveland, Ohio. Musical instrument. 1,695,574; Dec. 18.
- Bullis, Henry C., Wilmington, Del. Motion-picture strip. 1,679,708; Aug. 7.
- Bullivant, Francis J., assignor to Valley Electric Company, St. Louis, Mo. Short-circuiting device. 1,684,941; Sept. 18.
- Bullivant, Francis J., assignor to Valley Electric Company, St. Louis, Mo. Electrical connector. 1,686,842; Oct. 9.
- Bullock, Eben F., Cranston, R. I. Paste-tube holder. 1,655,410; Jan. 10.
- Bullock, Edward W., and G. H. Bryan, assignors to Gleason Works, Rochester, N. Y. Indexing mechanism. 1,683,524; Sept. 4.
- Bullock, Edward W., and A. P. Slade, assignors to Gleason Works, Rochester, N. Y. Gear-grinding machine. 1,679,809; Aug. 7.
- Bullock, Orin M., Oakland, Calif. Agricultural implement. 1,662,052; Mar. 13.
- Bullock, Orin M., Oakland, Calif. Cultivator. 1,657,064; Jan. 24.
- Bullock, Thomas H., jr. (See Bullock, Thomas H. and T. H., jr.)
- Bullock, Thomas H. and T. H., jr., New York, N. Y. Holding device. 1,660,742; Feb. 28.
- Bullock, Thomas H. and T. H., jr., New York, N. Y. Fastening device. 1,668,627; May 8.
- Bulman, Elvah O., Grand Rapids, Mich. Collapsible display device. 1,655,593; Jan. 10.
- Bulman, Elvah O., Grand Rapids, Mich. Sectional display device. 1,696,342; Dec. 25.
- Bulman, William V., Philadelphia, Pa. Adjustable supporting chair for wall closets, etc. 1,693,744; Dec. 4.
- Bulmer, James W., Cullingworth, England. Manufacture of cellulose acetate. 1,692,622; Nov. 20.
- Bulova, Adolph, assignor to Bulova Watch Company, Inc., New York, N. Y. Wrist-watch bracelet. 1,676,213; July 3.
- Bulova, Adolph, assignor to Bulova Watch Company, Inc., New York, N. Y. Wrist-strap device. 1,684,054; Sept. 11.
- Bulova, Joseph, assignor to Bulova Watch Company, Inc., New York, N. Y. Display box. 1,681,092; Aug. 14.
- Bulova Watch Company. (See Bulova, Adolph, assignor.)
- Bulova Watch Company. (See Bulova, Joseph, assignor.)
- Bultman, Charles E., deceased; I. M. Bultman, executrix, assignor to E. D. MacDougall, Chicago, Ill. Insulated vessel. 1,676,004; July 3.
- Bultman, Ida M., executrix. (See Bultman, Charles E.)
- Bumbarger, Clarence R., assignor to George W. Johnson Manufacturing Company, Kansas City, Mo. Fire curtain. 1,658,513; Feb. 7.
- Bumbaugh, Ralph R. (See Stone, C. W., Bumbaugh, and Dan.)
- Bump, Edward D., Lakewood, assignor to The Bettcher Stamping & Manufacturing Company, Cleveland, Ohio. Chair. 1,696,153; Dec. 18.
- Bump, Spencer M., Lakewood, assignor, to The Bettcher Stamping & Manufacturing Company, Cleveland, Ohio. Chair-seat mounting. 1,696,154; Dec. 18.
- Bumps, Amos F., Prescott, Ariz. Magazine pencil. 1,657,107; Jan. 24.
- Bundy, Harry W., Detroit, Mich. Apparatus for making multiply strip stock. 1,687,605; Oct. 16.
- Bundy, Samuel D., Pomona, Calif. Refuse receptacle. 1,692,287; Nov. 20.
- Bunbury, Hugh M. (See Perkin, W. H., and Bunbury.)
- Bunce, Earl H. (See Breyer, F. G., and Bunce.)
- Bunce, Earl H. (See Breyer, F. G., Bunce, and Welkel.)
- Bunce, Earl H. (See Singmaster, J. A., Breyer, and Bunce.)
- Bunce, Earl H., and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Metallurgical furnace. 1,674,947; June 26.
- Bundy, Harry W., Detroit, Mich. Method and apparatus for making tubing. 1,685,269; Sept. 25.
- Bundy, Harry W., Detroit, Mich. Making finned tubing. 1,685,270; Sept. 25.
- Bundy, Jehu D., Dekalb, Tex. Railway crossing. 1,674,493; June 19.
- Bundy, Philander R., Indianapolis, Ind. Rim lock. 1,676,684; July 10.
- Bunovac, Frank, St. Louis, Mo. Folding-seat construction for automobile bodies. 1,663,827; Mar. 27.
- Bungay, George W., Plainfield, assignor to Aluminum Die-Casting Corporation, Garwood, N. J. Hydraulic construction. 1,676,249; July 10.
- Bunge, Frederic H., Lomita, Calif. Distillation heater. 1,673,225; June 12.
- Bunge, Julius H. O., London, England, assignor to Hartford-Empire Company, Hartford, Conn. Glass furnace and leer. 1,669,968; May 15.
- Bungeroth, Rudolf, Dusseldorf, Germany. Tube expander. 1,682,724; Aug. 28.
- Bunke, Fred H. (See Cory, J. M., and Bunke.)
- Bunker, Arthur C., Montclair, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Motor-starting switch. 1,676,077; July 3.
- Bunker, Charles A., assignor to H. P. Comstock, Kansas City, Mo. Can-capping machine. 1,689,815; Oct. 30.
- Bunker, Darius W., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Composite heel. 1,681,217; Aug. 21.
- Bunker, Frank S., Long Beach, Calif. Self-locking device for couplings. 1,669,186; May 8.
- Bunker, Frank S., Long Beach, Calif., assignor to J. W. Hughes, Compton, Calif. Pipe tongs. 1,675,748; July 3.
- Bunker, H. M., & Co. (See Gardner, Percy, assignor.)
- Bunker, Ralph A., Yarmouth, Me. Footwear. 1,685,561; Sept. 25.
- Bunker, Samuel F., Chicago, Ill. Key fastener. 1,667,508; Apr. 24.
- Bunnell, Earl C., Stratford, Conn. Eyelash applicator. 1,666,116; Apr. 17.
- Bunnell, Maltby L., Oneonta, N. Y. Display rack. 1,663,397; Mar. 20.
- Bunting, Charles E. (receiver). (See Grove, William I., assignor.)
- Bunting Iron Works. (See Bechaud, Leslie J., assignor.)
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 75,545; June 19.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 76,277; Sept. 4.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 76,521; Oct. 9.
- Bunting, James H., assignor to Susquehanna Silk Mills, Clifton, N. J. Textile fabric. Des. 76,607; Oct. 16.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 76,774; Nov. 6.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 76,849; Nov. 13.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 76,850; Nov. 13.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 77,290; Dec. 25.
- Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills. Textile fabric. Des. 77,291; Dec. 25.
- Bunting, John T., Chicago, Ill. Boiler. 1,655,046; Jan. 3.
- Buote, Frank A. (See Taylor, A. M., and Buote.)
- Buoy, Chester D., assignor to G. H. Williams Company, Erie, Pa. Drag-line excavator. 1,695,480; Dec. 18.
- Burandt, Gustav A. (See Nordgren, A. W., and Burandt.)
- Burandt, Gustav A., assignor to Marquette Manufacturing Company, St. Paul, Minn. Bumperette. 1,674,031; June 19.
- Burandt, Gustav A., and A. W. Nordgren, assignors to Marquette Manufacturing Company, St. Paul, Minn. Accessory merchandiser. 1,683,525; Sept. 4.
- Burbank, Carrie G. (See Williams, Clarence J., assignor.)
- Burbridge, Clarence B., Gardner, Kans., assignor to The Playground Equipment Corporation, Kansas City, Mo. Merry-go-round. 1,674,886; June 26.
- Burch, Donald D., Earlsboro, Okla. Oil-well pump. 1,696,135; Dec. 18.
- Burch, Frederick R., Seattle, Wash. Automatic speed control for windmills. 1,675,159; June 26.
- Burch, George B., New York, N. Y., assignor to L. Stevens, Glen Ridge, N. J. Electric phonograph. 1,671,508; May 29.
- Burch, George B., New York, N. Y., assignor to L. Stevens, Glen Ridge, N. J. Electric phonograph. 1,671,509; May 29.
- Burchard, Albert F. (See Howard, Alonzo, assignor.)
- Burchartz, Heinrich, Gelsenkirchen, Germany, assignor, by mesne assignments, to Centrifugal Pipe Corporation. Casting pipe. 1,678,633; July 31.
- Burchfield, Charles E., assignor to M. H. Birge & Sons Co., Buffalo, N. Y. Wall paper. Des. 77,292; Dec. 25.
- Burckhardt, Ernst, and M. Stärkle, assignors to the firm: Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of emetine. 1,670,059; May 15.

- Burd & Fletcher Company. (See Fehrenkamp, Emil W., assignor.)
- Burd, Gorman C., Newark, N. J., assignor to American Cable Company. Cable hitch. 1,660,829; Feb. 28.
- Burden, Harry C., assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Expansion mandrel. 1,674,635; June 26.
- Burdett, James H., Flossmoor, Ill. Rack. Des. 76,120; Aug. 21.
- Burdett, James H., Homewood, Ill. Display rack. 1,661,406; Mar. 6.
- Burdett, Le Roy, assignor to Messenger Publishing Company, Inc., Chicago, Ill. Sheet-binding machine. 1,694,055; Dec. 4.
- Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Sectional air bag. 1,676,817; July 10.
- Burdette, Richard S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for treating solid-tire material. 1,679,560; Aug. 7.
- Burdick, Charles L., New York, N. Y. Refrigerating and heat-interchanging apparatus. 1,694,370; Dec. 11.
- Burdick, Charles L., assignor to Guggenheim Brothers, New York, N. Y. Heating high-temperature apparatus. 1,685,226; Sept. 25.
- Burdick, Charles L., assignor to Guggenheim Brothers, New York, N. Y. Refrigerating apparatus. 1,694,369; Dec. 11.
- Burdick, Charles L., assignor to Guggenheim Brothers, New York, N. Y. Multiple-tube cleaner. 1,694,371; Dec. 11.
- Burdick, Charles L., London, England. Respirator. 1,695,170; Dec. 11.
- Burdick Corporation, The. (See Anderson, Fritz A., assignor.)
- Burdick Corporation, The. (See Hudson, Walter, assignor.)
- Burdick Corporation, The. (See Kull, Andrew A., assignor.)
- Burdick Corporation, The. (See Lavoisier, Ian J., assignor.)
- Burdick, Fred C. (See Rich, F. E., and Burdick.)
- Burdick, Frederick E., New London, Conn. Making edible rolls. 1,696,343; Dec. 25.
- Burdick, John C., et al. (See Dow, John G., assignor.)
- Burdit, Hugo C., Chicago, Ill. Light. 1,675,877; July 3.
- Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,673,040; June 12.
- Burg, Alex J., St. Paul, Minn. Counter bin. 1,688,521; Oct. 23.
- Burgdorf, Herman, assignor to The Frank A. Rolling Company, Inc., Philadelphia, Pa. Making bags. 1,668,044; May 1.
- Burgener, Charles E., and R. M. Harmon, Louisville, Colo. Variable-resistance device. 1,658,666; Feb. 7.
- Burger, Abraham, Toronto, Ontario, Canada. Smoker's ash receiver. 1,693,268; Nov. 27.
- Burger Eisenwerke Gesellschaft mit beschränkter Haftung. (See Schmidt, Wilhelm, assignor.)
- Burger, Frederick W., Niles, and B. Stockfleth, Berrien Springs, assignors to Clark Tractor Company, Buchanan, Mich. Lifting attachment for shop tractors. 1,660,413; Feb. 28.
- Burger, Frederick W., Niles, and Berger Stockfleth, Berrien Springs, assignors to Clark Tractor Company, Buchanan, Mich. Shop tractor. 1,665,684; Apr. 10.
- Burger, Frederick W., Niles, and B. Stockfleth, Berrien Springs, assignors to Clark Tractor Company, Buchanan, Mich. Throttle-valve-controlling mechanism. 1,670,567; May 22.
- Burger, Frederick W. (See Mogford, E. C., and Burger.)
- Burger, Frederick W. (See Stockfleth, B., and Burger.)
- Burger, Leopold F., Riverside, assignor to International Harvester Company, Chicago, Ill. Powder-dusting machine. 1,691,563; Nov. 13.
- Burgess Battery Company. (See Hodge, Howard D., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Schorger, Arlie W., assignor.)
- Burgess, C. F., Laboratories, Inc. (See Slidell, Kemper, assignor.)
- Burgess, C. F., Laboratories, Inc. (See Weiss, H. F., and Norris, assignors.)
- Burgess, Cecl A., London, Ontario, Canada. Suspender attachment for overalls. 1,673,662; June 12.
- Burgess, Edward W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Steel grid for floors and pavements. Des. 76,179; Aug. 28.
- Burgess, Frank, Wollaston, Mass. Adjustable self-aligning bearing. 1,666,593; Apr. 17.
- Burgess, George A., Waukegan, Ill., assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Electrical time switch. 1,675,292; June 26.
- Burgess, George A., Waukegan, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Coin-controlled electric switch. 1,678,554; July 24.
- Burgess, Harry A., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical wave filter. 1,666,681; Apr. 17.
- Burgess, Joseph E., Astoria, assignor to The United States Printing & Lithograph Company, Brooklyn, N. Y. Display stand. 1,684,124; Sept. 11.
- Burgess, Louis, Bayonne, N. J., assignor to Standard Oil Development Company. Treating emulsions. 1,668,941; May 8.
- Burgess, Louis, Bayonne, N. J., assignor to Standard Oil Development Company. Refining oils. 1,681,895; Aug. 21.
- Burgess, L. P., et al., trustees. (See Burgess, Lysle P., assignor.)
- Burgess, L. P., et al., trustees. (See Gray, Jesse L., assignor.)
- Burgess, Lysle P., Los Angeles, Calif., assignor, by mesne assignments, to L. P. Burgess, D. Daniels, and J. O. Clutter, trustees. Aligning pump liners within pump shells. 1,690,399; Nov. 6.
- Burgess, Martin L., assignor to Marietta Mfg. Co., Indianapolis, Ind. Making decorating glassware. 1,662,295; Mar. 13.
- Burgess, Samuel N., London, England. Wristlet watch. Des. 77,057; Dec. 4.
- Burgess, William A. A. (See Clothier, H. W., and Burgess.)
- Burgess, William A. A., Monkseaton, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Starting and synchronizing of alternating-current dynamo-electric machines. 1,683,284; Sept. 4.
- Burgesser, Leslie D., New York, N. Y., assignor to Spartan Electric Corporation. Tube socket. 1,663,544; Mar. 27.
- Burghard, Edward G. (See von Sydow, Rudolf W., assignor.)
- Burghard, Edward G. (See Worth, Clemens S., assignor.)
- Burghart, Thomas N., Philadelphia, Pa. Nonremovable nut. 1,677,269; July 17.
- Burgher, Clarence L., New York, N. Y. Heating inclosures electrically. 1,660,218; Feb. 21.
- Burkin, Harold O., Santa Barbara, Calif. Vacuum tank. 1,668,394; May 1.
- Burian, Jaroslava, Leonia, N. J., assignor to The Sebring Pottery Company, Sebring, Ohio. Cream pitcher. Des. 74,295; Jan. 24.
- Burk, Archie, assignor of one-half to W. Deziel, Chassell, Mich. Fence post. 1,672,927; June 12.
- Burk, Clarence E., assignor of one-half to The Van Atta Hardware Company, Marion, Ohio. Radio speaker or horn. 1,656,140; Jan. 10.
- Burkart, F., Manufacturing Company. (See Durkee, Alfred C., assignor.)
- Burke, Alfred W., Long Island City, N. Y. Temperature-controlling system. 1,657,065; Jan. 24.
- Burke, Alfred W., Pelham Manor, N. Y. Circuit controller. 1,681,722; Aug. 21.
- Burke, Arthur S., Sioux Falls, S. Dak. Stand construction for posters. 1,671,058; May 22.
- Burke, Charles E. (See Reid, E. E., and Burke.)
- Burke, Charles E., and H. H. Hopkins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin. 1,667,189; Apr. 24.
- Burke Cooling & Heating System Inc. (See Burke, Horace B., assignor.)
- Burke, Edmund, Oak Park, assignor to Crane Co., Chicago, Ill. Bubble cap for bubble-cap towers. 1,674,464; June 19.
- Burke, Edmund, assignor to Brown Company, Portland, Me. Fiber insulator and making the same. 1,691,005; Nov. 6.
- Burke, Edmund, and C. Q. Ives, Portland, Me., assignors to Brown Company, Berlin, N. H. Device for cutting tubes. 1,691,045; Nov. 13.
- Burke, Edward F., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Truing apparatus. 1,671,697; May 29.
- Burke, Emma M. (See Rigney, A. V., and Burke.)
- Burke, Flora I., administratrix. (See Forsyth, William D.)
- Burke, George W., jr., Dayton, Ohio. Fire extinguisher. 1,664,450; Apr. 3.
- Burke, George W., jr., Dayton, Ohio. Fire extinguisher. 1,668,940; May 8.
- Burke, Horace B., Shreveport, La., assignor to Burke Cooling & Heating System Inc. Ventilating system. 1,657,066; Jan. 24.
- Burke, James G. (See Gibson, W. A., and Burke.)
- Burke, James L., Weehawken, N. J. Reel construction and length-measuring means. 1,685,904; Oct. 2.
- Burke, John J., Cincinnati, Ohio. Book-casing-in machine. 1,661,596; Mar. 6.
- Burke Machinery Co., The. (See Trimble, Joseph, assignor.)
- Burke, Matt. (See Hayes, I. B., and Burke.)
- Burke, Milton C., assignor to Merchants Publishing Company, Kalamazoo, Mich. Display stand. 1,682,660; Aug. 28.
- Burke, Nora T., New York, N. Y. Fountain pen. 1,662,957; Mar. 20.
- Burke, Nora T., Stoneham, Mass. Fountain pen. 1,695,913; Dec. 18.
- Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Endless-tread propelling mechanism. 1,654,632; Jan. 3.
- Burke, Paul, and A. Orloff, assignors to Northwest Engineering Corporation, Green Bay, Wis. Automatic brake. 1,662,635; Mar. 13.

- Burke, Robert F., Phoenixville, Pa., assignor to Heine Boiler Company, St. Louis, Mo. Truck-body construction. 1,675,317; July 3.
- Burke, Robert J., assignor to Lincoln Scale Corporation, Pittsburgh, Pa. Check link for scales. 1,695,316; Dec. 18.
- Burke, Walter B., assignor to The Domino System Co., Chicago, Ill. Handicapping device. 1,686,843; Oct. 9.
- Burke, Walter T., Chicago, Ill. Flexible cable adjuster. 1,686,678; Oct. 9.
- Burke, Wilbur B., East Cleveland, Ohio. Mechanism for vulcanizing tires. 1,690,615; Nov. 6.
- Burket, Russell C., Pottsville, Pa. Attachment for concrete mixers. 1,696,751; Dec. 25.
- Burkett, Ira E., Macon, Ga. Loading and dumping device. 1,691,513; Nov. 13.
- Burkett, Obert W., Dallas, Tex. Hosiery. Des. 76,228; Sept. 4.
- Burkenstein, Anton, Chicago, Ill. Marking and stamping tool. 1,686,512; Oct. 9.
- Burkey, Harvey M., Plainfield, N. J., assignor to American Metal Company, Ltd., New York, N. Y. Producing metallic antimony and alloys of antimony and alkali-metal arsenates. 1,654,527; Jan. 3.
- Burkey, Harvey M., Plainfield, N. J., assignor to American Metal Company, Ltd., New York, N. Y. Producing metallic antimony and alloys of antimony and alkali-metal arsenates. 1,654,528; Jan. 3.
- Burkhard, Harold C., Chicago, Ill. Support for removable seat covers. 1,687,826; Oct. 16.
- Burkhardt, Conrad C. C., and E. O. Elliott, Philadelphia, Pa. Locomotive-cab deck. 1,691,797; Nov. 13.
- Burkhardt, Harry L., New York, N. Y., assignor to Ruckstell Sales & Manufacturing Company, Berkeley, Calif. Planetary-gear mechanism. Re17,039; July 17.
- Burkhardt, John. (See Simkins, H. D. and Burkhardt.)
- Burkhardt, Otto, Bayreuth, Germany. Stone saw. 1,662,488; Mar. 13.
- Burkhardt, Paul, assignor to Union Steel Products Company, Albion, Mich. Rack for baked goods. 1,672,245; June 5.
- Burkholder, John C., jr. (See Bancroft, E. P., Burkholder, and Phelps.)
- Burkholder, Noah, Ephrata, Pa. Bailing press. 1,671,966; June 5.
- Burks, Arthur W., Decatur, Ill. Rotary pump. 1,655,749; Jan. 10.
- Burks, Arthur W., Decatur, Ill. Pump. 1,686,549; Oct. 9.
- Burks, Arthur W., Decatur, Ill. Rotary pump. 1,689,579; Oct. 30.
- Burleson, Ambrose L., Berkeley, and N. P. Samantas, San Francisco, Calif. Permanent-wave apparatus. 1,665,253; Apr. 10.
- Burlew, Gilderoy O., Newark, N. J. Abrasive wheel. 1,692,329; Nov. 20.
- Burley, A. M. (See Blumenberg, Henry, jr., assignor.)
- Burley, Harry B., Brookline, Mass., assignor to Boston Insulated Wire & Cable Company. Manufacture of electric wires. 1,674,156; June 19.
- Burley, Thomas, Seattle, Wash. Fireplace heating system. 1,691,465; Nov. 13.
- Burlington Separator Co., The. (See Wheeler, George E., assignor.)
- Burnah Oil Company Limited, The. (See Moore, James, assignor.)
- Burmeister, Frank. (See Soma, A., and Burmeister.)
- Burmester, Louis, Omaha, Nebr. Air-heating furnace. 1,686,070; Oct. 2.
- Burmister, Donald M., New York, N. Y., assignor to The Keuffel & Esser Company, Hoboken, N. J. Surveying instrument. 1,682,034; Aug. 28.
- Burn, Jessie R., San Antonio, Tex. Card-table-cover clamp. Des. 76,229; Sept. 4.
- Burn, John F., London, and J. S. Lancaster, Warwick, England. Rotary mixing machine. 1,666,324; Apr. 17.
- Burn, Lewis, Bath, England. Reversing gear. 1,672,054; June 5.
- Burnam, William L., Kansas City, Mo. Variable resistance. 1,660,251; Feb. 21.
- Burnelli, Vincent J., New York, N. Y. Airplane. 1,662,915; Mar. 20.
- Burnelli, Vincent J., New York, N. Y. Retractable float for flying boats. 1,684,818; Sept. 18.
- Burner, William L. (See Schmohl, A. C., and Burner.)
- Burner, William L., Koppel, Pa., and O. E. Kantenwein, Oak Park, Ill., assignors to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Dump car. 1,678,765; July 31.
- Burness, David P., Los Angeles, Calif. Muffler for automobile horns. 1,672,406; June 5.
- Burnet, Lewis C. (See Helms, E. and Burnet.)
- Burnet, Samuel F., assignor to Laclede-Christy Clay Products Co., St. Louis, Mo. Arch-nose construction. 1,690,088; Oct. 30.
- Burnett, Charley, assignor of one-half to O. J. Burnett and one-half to H. W. Burnett, Washington Court House, Ohio. Stock feeder. 1,673,101; June 12.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,688,610; Oct. 23.
- Burnett, Fred M., et al. (See Whitaker, William T., assignor.)
- Burnett, Howard W., et al. (See Burnett, Charley, assignor.)
- Burnett, John, Pauls Valley, Okla. Automotive cultivator. 1,656,773; Jan. 17.
- Burnett, Otis J., et al. (See Burnett, Charley, assignor.)
- Burnett, Richard W., Chicago, Ill. Angle-cock holder. 1,657,612; Jan. 31.
- Burnett, Richard W., Chicago, Ill. Truck. 1,669,692; May 15.
- Burnett, Walter E., Los Angeles, Calif. Rotary hydraulic bath brush. 1,696,835; Dec. 25.
- Burnett, William J., Glenside, assignor to Beaumont Manufacturing Company, Philadelphia, Pa. Mechanism for actuating the gates of-gravity-discharge hoppers. 1,667,468; Apr. 24.
- Burney, Charles D. (See Wallis, B. N., and Burney.)
- Burnfield, James H., South Akron, Ohio. Dirigible headlight. 1,680,727; Aug. 14.
- Burnham Chemical Company. (See Burnham, George B., assignor.)
- Burnham Chemical Company. (See Gauger, A. W., and Storch, assignors.)
- Burnham, George A., Saugus, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,672,365; June 5.
- Burnham, George A., Saugus, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electrical apparatus and switch. 1,694,618; Dec. 11.
- Burnham, George A., Saugus, assignor to Condit Electrical Manufacturing Corporation, South Boston, Mass. Oil-filled insulating bushing. 1,688,302; Oct. 16.
- Burnham, George A., Saugus, assignor, by mesne assignments to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,689,421; Oct. 30.
- Burnham, George B., assignor to Burnham Chemical Company, Reno, Nev. Washing salts. 1,666,733; Apr. 17.
- Burnham, George B., assignor to Burnham Chemical Company, Reno, Nev. Evaporating brines. 1,696,542; Dec. 25.
- Burnham, Harry S., Schenectady, N. Y. Locomotive. 1,693,220; Nov. 27.
- Burnham, Leland F., Pittsburgh, Pa., assignor to R. D. Nuttal Company. Trolley base. 1,657,455; Jan. 31.
- Burnham, Leland F., Pittsburgh, Pa., L. H. Keim, Los Angeles, Calif., and C. Schafer, Allison Park, Pa., assignors to Westinghouse Electric and Manufacturing Company. Trolley base. 1,687,657; Oct. 16.
- Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Pressure-relief pipe for electrical-apparatus casings. 1,667,621; Apr. 24.
- Burnham, Walter H., and J. E. Floyd, Chicago, Ill.; said Floyd assignor to said Burnham. Laundry conveyer. 1,670,401; May 22.
- Burnley, Robert C., Louisville, Ky. Clothes-pressing machine. 1,682,003; Aug. 28.
- Burnoyl Heating Corporation. (See Angrove, Samuel, assignor.)
- Burns, Alfred, assignor to West Boylston Manufacturing Company, Easthampton, Mass. Woven cord fabric. 1,659,680; Feb. 21.
- Burns, Arthur H., Penn Yan, N. Y. Oar. 1,689,714; Oct. 30.
- Burns, Bartholomew P., assignor of one-fourth to A. Dobscher, Chicago, Ill. Chaise longue. 1,670,019; May 15.
- Burns, Charles St. C., assignor of one-half to F. Kay, Port Arthur, Tex. Cleaner for filtering elements. 1,689,277; Oct. 30.
- Burns, Charles S., assignor of one-half to F. Kay, Port Arthur, Tex. Filter. 1,691,867; Nov. 13.
- Burns, Earl G., and J. A. Davis, Sacramento, Calif. Electric heater. 1,669,588; May 15.
- Burns, Elmer G., Los Angeles, Calif. Universal joint. 1,667,455; Apr. 24.
- Burns, Elmer G., Los Angeles, Calif. Vacuum tank. 1,676,767; July 10.
- Burns, Frank, Gulfport, Miss. Timber conveyer. 1,662,812; Mar. 20.
- Burns, Frank A., Anaconda, Mont. Post. 1,670,236; May 15.
- Burns, Frank B., Chicago, Ill. Soldering tool. 1,690,101; Nov. 6.
- Burns, Gordon E. (See Hall, E. A., and Burns.)
- Burns, Henry J., and G. E. Tollenaar, Spokane, Wash. Pneumatic conveyer. 1,675,090; June 26.
- Burns, Homer S. (See Lundy, W. T. and Burns.)
- Burns, James F., assignor to V V Fittings Company, Philadelphia, Pa. Safety switchboard. 1,665,126; Apr. 3.
- Burns, James J., Cumberland, Md. Display rack. Des. 74,352; Feb. 7.
- Burns, Joseph T., assignor to one-half to C. Y. Hibbs, Philadelphia, Pa. Lighter. 1,682,661; Aug. 28.
- Burns, Katherine E., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 74,212; Jan. 10.
- Burns, Katherine E., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 74,253; Jan. 17.
- Burns, Katherine E., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 74,478; Feb. 21.
- Burns, Katherine E., assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 75,826; July 24.
- Burns, Katherine E., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 76,121; Aug. 21.

- Burns, Katherine E., assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 76,522; Oct. 9.
- Burns, Katherine E., assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 76,663; Oct. 23.
- Burns, Katherine E., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 76,775; Nov. 6.
- Burns, Katherine E., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 76,914; Nov. 20.
- Burns, Robert M., Brooklyn, N. Y., and C. W. Warner, Glen Ridge, N. J., assignors, by mesne assignments, to Western Electric Company, Incorporated. Electro-cleaning. 1,658,222; Feb. 7.
- Burns, Timothy. (See Cort, S. J., Burns, Dougherty, and Lehr.)
- Burns, Walter W. (See Boyet, John F., assignor.)
- Burns, William A., London, England. Illusion device. 1,680,855; Aug. 14.
- Burns, William M. (See Bateman, Harry, assignor.)
- Burr, Edward E., Chicago, Ill. Automobile radiator-cap ornament. Des. 74,168; Jan. 3.
- Burr, Gordon A. (See Gibbs, J. B., and Burr.)
- Burr, Harold L., Rockford, Ill. Shirt. Des. 76,457; Oct. 2.
- Burrage, Albert C. (See Burrage, Albert C., jr., assignor.)
- Burrage, Albert C. (See Heuser, Ralph V., assignor.)
- Burrage, Albert C., jr., Hamilton, assignor, by mesne assignments, to A. C. Burrage, Boston, Mass. Vulcanization of rubber. 1,677,169; July 17.
- Burrall, Fred E., assignor to McIntyre-Burrall Company, Green Bay, Wis. Harness buckle. Des. 76,230; Sept. 4.
- Burrell, D. H., & Co. (See Adams, Zenas P., assignor.)
- Burrell, Edward P., Shaker Heights, and G. W. Drake, Cleveland Heights, assignors to The Warner and Swasey Company, Cleveland, Ohio. Controlling lever for machine tools. 1,685,310; Sept. 25.
- Burrell, Ellis B., Baltimore, Md. Case for licenses, etc. 1,666,117; Apr. 17.
- Burrell, William C., Kankakee, Ill. Seat-signal system. 1,689,227; Oct. 30.
- Burress, John R., Arlington, Tex., assignor to W. A. Cease and W. A. Davis, Tulsa, Okla. Automatic railway gate. 1,676,227; July 3.
- Burri, Jacob J. (See Harer, G. W., and Burri.)
- Burrier, Charles, Middletown, Pa., assignor to United Shoe Machinery Corporation, Paterson, N. J. Horn for sewing machines. 1,672,707; June 5.
- Burroughes, William J., London, England, assignor of one-third to F. A. Roden and one-third to C. Taylor, Santa Monica, Calif. Boiler bottom. 1,676,320; July 10.
- Burroughs Adding Machine Co. (See Bindschedler, Theodore S., assignor.)
- Burroughs Adding Machine Company. (See Butler, Thomas M., assignor.)
- Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
- Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)
- Burroughs Adding Machine Company. (See Raczy, Ernest, assignor.)
- Burrow, George A., assignor to J. Sutherland and C. H. Conrad, trustees, Spokane, Wash. Transmission for shafts. 1,664,349; Mar. 27.
- Burrowes, E. T., Company, The. (See Compton, Percy R., assignor.)
- Burrowes, E. T., Company, The. (See Fields, Harry R., assignor.)
- Burrowes, E. T., Company, The. (See King, William J., assignor.)
- Burrowes, E. T., Company, The. (See Russell, Harry H., assignor.)
- Burrowes, J. Royd, et al. (See Harris, Marie, assignor.)
- Burrows, Charles W., New York, assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Method of and apparatus for testing magnetizable objects. 1,676,632; July 10.
- Burrows, Charles W., New York, assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Apparatus for testing magnetizable objects. 1,686,679; Oct. 9.
- Burrows, Lenah. (See Burrows, Linus P.)
- Burrows, Linus P., deceased, Erie, Pa.; L. B. Archer, executrix, now, by change of name, Lenah Burrows, Navarre, Ohio. Producing gas. 1,695,914; Dec. 18.
- Burrows, William J., St. Paul, Minn. Making lead comes. 1,685,518; Sept. 25.
- Burrows, William R., Newark, N. J., assignor to General Electric Company. Electric lamp. 1,688,783; Oct. 23.
- Burson, Ernest E., and L. J. Moller, Los Angeles, Calif. Electric scaphopore. 1,669,597; May 15.
- Burson Knitting Company. (See Parker, William S., assignor.)
- Burt, Benjamin F., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Sash lifter and latch. 1,689,111; Oct. 23.
- Burt, F. N., Company. (See Carle, Harold, assignor.)
- Burt, F. N., Company. (See Dreux, Alexander H., assignor.)
- Burt, F. N., Company. (See Troust, Jesse E., assignor.)
- Burt, Frederick L., Weehawken, N. J. Game apparatus. 1,693,474; Nov. 27.
- Burt, George P. (See Burt, Peter, J. S., T. W., J. W., and G. P.)
- Burt, Isaac E., Minneapolis, Minn. Necktie rack. 1,675,922; July 3.
- Burt, John W. (See Burt, Peter, J. S., T. W., J. W., and G. P.)
- Burt, Joseph S. (See Burt, Peter, J. S., T. W., J. W., and G. P.)
- Burt Machine Company. (See Wild, Charles H., assignor.)
- Burt, Peter, J. S., T. W., J. W., and G. P., Glasgow, Scotland. Wringer. 1,674,190; June 19.
- Burt, Tom W. (See Burt, Peter, J. S., T. W., J. W., and G. P.)
- Burt, William E., Yuba, Wis. Weed destroyer. 1,661,030; Feb. 28.
- Burt, William J., Holland, Mich. Signaling device for automobiles. 1,679,810; Aug. 7.
- Burtchaeil, Samuel W., Oakland, Calif. Shoe making or repairing apparatus. 1,692,623; Nov. 20.
- Burtis, William H., Sioux Falls, S. Dak. Glare deflector. 1,660,067; Feb. 21.
- Burtis, William H., Plainfield, N. J. Oscillation generator. 1,692,074; Nov. 20.
- Burtner, Jacob H., Boonsboro, Md. Grain drill. 1,691,466; Nov. 13.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,656,315; Jan. 17.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,656,316; Jan. 17.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,656,317; Jan. 17.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,660,858; Feb. 28.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,660,859; Feb. 28.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,660,860; Feb. 28.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,660,861; Feb. 28.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,661,557; Mar. 6.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,661,558; Mar. 6.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,661,559; Mar. 6.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,673,181; June 12.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,673,182; June 12.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,673,183; June 12.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,674,818; June 26.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,679,953; Aug. 7.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,679,959; Aug. 7.
- Burnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Piston for charge-pumping cylinders. 1,688,611; Oct. 23.
- Burnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal combustion engine. 1,692,025; Nov. 20.
- Burton, Alfred, and A. C. York, Leicester, England. Boot and shoe. 1,658,630; Feb. 7.
- Burton, Rhima, New York, N. Y. Educational appliance. 1,689,422; Oct. 30.
- Burton, Charles S., Oak Park, Ill. Function-multiplying device for automatic mechanisms. 1,656,619; Jan. 17.
- Burton, Charles S., Oak Park, assignor, by mesne assignments, to Alemite Manufacturing Corporation, Chicago, Ill. Oil gun. Re17,165; Dec. 18.
- Burton, Chester A. (See Kilgus, C. A., Burton, and Bergmoser.)
- Burton, Edward F., and J. H. Montgomery, assignors to Honey-Butter Company, Los Angeles, Calif. Food product and producing the same. 1,694,680; Dec. 11.
- Burton, Isaac F., deceased; M. E. Burton, executrix, assignor to Visualtone Company of America, Philadelphia, Pa. Spring motor. 1,681,393; Aug. 21.
- Burton, Manie E., executrix. (See Burton, Isaac F.)
- Burton, Oliver M. (See Scott, Harry M., assignor.)
- Burton, Paul C. (See Galloway, R. M., and Burton.)
- Burton, Ralph J. (See Powell, Clarence H., assignor.)
- Burton, Warren D. (See Page, C. B., and Burton.)
- Burtt, Payson D. (See Henry, K. M., and Burtt.)
- Burwell, Arthur W., Niagara Falls, assignor to Alox Chemical Corporation, New York, N. Y. Atomizable mobile fuel product. 1,684,125; Sept. 11.

- Burwell, Arthur W., Niagara Falls, assignor to Alex Chemical Corporation, New York, N. Y. Production of hydrogen of great purity. 1,689,858; Oct. 30.
- Burwell, Arthur W., Chagrin Falls, Ohio, assignor to Alex Chemical Corporation, New York, N. Y. Oxidation of hydrocarbons. 1,690,768; Nov. 6.
- Burwell, Arthur W., Chagrin Falls, Ohio, assignor to Alox Chemical Corporation, New York, N. Y. Making organic acids from petroleum hydrocarbons and product. 1,690,769; Nov. 6.
- Burwell, Ray F., Alexandria, assignor of forty-nine one-hundredths to F. Theanders, Marion, Ind. Table. 1,683,711; Sept. 11.
- Bury, Charles W., New York, N. Y. Automobile radiator. Des. 76,002; Aug. 14.
- Busacker, Emil A., Milwaukee, Wis. Garage-door holder. 1,691,754; Nov. 13.
- Busby, Alvin C., Ellensburg, Wash. Tire holder. 1,686,367; Oct. 2.
- Busby, Ralph B., and L. B. Samanski, Oakland, Calif. Automobile cleaning system. 1,682,830; Sept. 4.
- Busch, Albert, Brunswick, assignor to J. A. von Wulffing, Berlin, Germany. Manufacturing albumin preparations. 1,688,228; Oct. 16.
- Busch, Charles H., assignor to Simmons Company, Kenosha, Wis. Furniture. 1,691,624; Nov. 13.
- Busch, Charles H., assignor to Simmons Company, Kenosha, Wis. Metal furniture. 1,695,411; Dec. 18.
- Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Cork facing for rolls. 1,695,317; Dec. 18.
- Busch, Rudolph, sr., Shelltown, Md. Tractor-operated winch. 1,662,414; Mar. 13.
- Busch-Sulzer Bros.-Diesel Engine Company. (See Philipp, Otto, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Co. (See Rotter, Max assignor.)
- Busch-Sulzer Bros.-Diesel Engine Co. (See Schaer, Charles, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Schaeeren, Ernst, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Co. (See Tacchella, Adolf, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See von Salis, Eduard, assignor.)
- Buschman, Abraham L., Forest Hills, assignor to New York Merchandise Co., Inc., New York, N. Y. Lantern. Des. 75,546; June 19.
- Buse, Otto H., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Mechanical furnace. 1,693,366; Nov. 27.
- Busey, Herbert S., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Wire-drawing bench. 1,659,591; Feb. 21.
- Busey, Ruth, Seattle, Wash. Cap fastener. 1,692,719; Nov. 20.
- Bush, A. G. (See Criner, Harry J., assignor.)
- Bush, Albert A., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Ring-engraving machine. 1,670,136; May 15.
- Bush, Arthur G., Davenport, Iowa. Pivot bolt for automobiles. 1,694,681; Dec. 11.
- Bush, Harry K., Pottstown, Pa., assignor to Reading Foundry and Supply Co. Water cooler. 1,683,381; Sept. 4.
- Bush, Robert R., and C. W. Duke, assignors to Pyle-National Company, Chicago, Ill. Duplex nozzle for locomotives. 1,684,791; Sept. 18.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Spring support. 1,656,166; Jan. 17.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck construction. 1,679,811; Aug. 7.
- Bush, Samuel P., and J. C. Larsen, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,682,480; Aug. 28.
- Busba, Leon, Minneapolis, Minn. Shingle. 1,688,917; Oct. 23.
- Bushby, Joseph S., Los Angeles, Calif. Axle-setting apparatus for autos. 1,653,792; Feb. 14.
- Bushell, Albert L. (See Boyd, James L., assignor.)
- Bushell, Benjamin D., Springs, S. E. T. Ewing, Johannesburg, and E. H. D. Brunner, Springs, Transvaal, South Africa. Electrically heating the ends of rock drills and the like. 1,670,237; May 15.
- Bushell, Benjamin D., Springs, S. E. T. Ewing, Johannesburg, and E. H. D. Brunner, Springs, Transvaal, South Africa. Electric heating. 1,673,226; June 12.
- Bushnell, Charles S. (See Howe, W. K., and Bushnell.)
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Intermittent inductive train control. 1,686,434; Oct. 2.
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train-control system. 1,689,228; Oct. 30.
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,689,229; Oct. 30.
- Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,691,006; Nov. 6.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete mixer. 1,677,813; July 17.
- Bushnell, James E., North Plainfield, assignor to Ransome Concrete Machinery Company, Plainfield, N. J. Boom track for bucket concrete distributors. 1,694,372; Dec. 11.
- Bushnell, Oscar P., Belleville, N. J., assignor, by mesne assignments, to The Arvey Manufacturing Co., Olean, N. Y. Apparatus and method for making fibrous boxes. 1,690,528; Nov. 6.
- Bushong, Grover C., Whittier, Calif. Well mechanism. 1,688,483; Oct. 23.
- Bushwick National Bank. (See Furedy, Frank, assignor.)
- Bushwick National Bank. (See Furedy, F., Schroth, and Favini, assignors.)
- Bushyager, Lee R., Hasbrouck Heights, N. J. Power transmission. 1,696,836; Dec. 25.
- Busold, William, West Orange, assignor to The Trimble Hat Company, Orange, N. J. Hat welt and forming same. 1,695,084; Dec. 11.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Loop support for brake beams. 1,659,853; Feb. 21.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Fourth-point support. 1,659,854; Feb. 21.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam support. 1,659,855; Feb. 21.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Adjustable brake-beam guide. 1,659,856; Feb. 21.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety guard and support for brake beams. 1,662,916; Mar. 20.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Mounting for brake-beam safety bars. 1,680,448; Aug. 14.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Support-arm bracket. 1,681,462; Aug. 21.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Safety guard. 1,681,463; Aug. 21.
- Busse, Harry H., Cleveland, Minn. Condenser assembly control. 1,666,682; Apr. 17.
- Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,665,528; Apr. 10.
- Bussy, Alfred, Paris, France. Splint-forming machine. 1,669,737; May 15.
- Buswell, Leslie, and J. H. Hammond, jr., Gloucester, Mass., said Buswell assignor to said Hammond. Pipe organ. 1,680,036; Aug. 7.
- Buswell, Walter, Bridgeport, Conn., assignor to Standard Compositor Aktiengesellschaft, Berlin, Germany. Typesetting and line-casting machine. 1,663,541; Mar. 27.
- Butcher, Alfred, Roselle Park, N. J. Burning powdered fuel. 1,661,031; Feb. 28.
- Butcher, Charles A., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic reclosing circuit interrupter. 1,677,328; July 17.
- Butcher, Charles A., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,691,377; Nov. 13.
- Butin, Emile A., and L. Girard, Lyon, France. Arrangement for directly reproducing on fabric the required pattern. 1,678,325; July 24.
- Butkovsky, John J. (See Ray, A. B., Doying, and Butkovsky.)
- Butler, Alton W., West Bridgewater, Mass. Paving block. 1,661,407; Mar. 6.
- Butler, Carlton. (See Braddley, J., Chorley, and Butler.)
- Butler, Chancey W., and W. A. Sloper, assignors of one-third to C. O. Sloper, Independence, Oreg. Pump. 1,690,923; Nov. 6.
- Butler, Charles A., Okmulgee, Okla. Drilling tool. 1,660,988; Feb. 28.
- Butler, David, Montezuma, N. Y. Automobile radiator. 1,669,808; May 15.
- Butler, David L., Blackfoot, Idaho. Ball cock. 1,691,224; Nov. 13.
- Butler, Edward S., et al. (See Reilly, Clarence J., assignor.)
- Butler, Emanuel L., Detroit, Mich. Street indicator. 1,666,550; Apr. 17.
- Butler, Fannie M., Hinsdale, Ill. Apparatus for storing dishes. 1,682,885; Sept. 4.
- Butler, Frank D., Tacoma, Wash. Turbine. 1,671,967; June 5.
- Butler, George P., Boston, Mass. Sign. 1,684,470; Sept. 18.
- Butler, Henry E., Scotia, N. Y. Combined button and license-paper holder. 1,694,310; Nov. 4.
- Butler, James A., assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass. Package-labeling machine. 1,678,805; July 31.
- Butler, James B., and J. J. Drumm, Dublin, Irish Free State. Treating vegetable produce. 1,666,551; Apr. 17.
- Butler, James W., and L. W. Burbank, Calif. Douche and syringe. 1,680,762; Aug. 14.
- Butler, John E., Hoosick Falls, N. Y. Separable button. 1,682,771; Sept. 4.

- Butler, John M., and H. A. Torson, Chicago, Ill., assignors to Ring Pneumatic Tool Company. Tool retainer for pneumatic hammers. 1,677,270; July 17.
- Butler, Joseph F., Pittsburgh, Pa. Machine-gun mount. 1,660,595; Feb. 28.
- Butler, Lawrence W. (See Butler, James W. and L. W.)
- Butler Manufacturing Co. (See Norquist, Victor C., assignor.)
- Butler Mfg. Corporation. (See Petilli, Vincent, assignor.)
- Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. Des. 76,286; Sept. 11.
- Butler, W. N., et al., trustees. (See Mathews, Theodore A., assignor.)
- Butler, William J., Cranston, assignor to Henry Lederer & Bro. Inc., Providence, R. I. Pocket cigar lighter. Des. 74,479; Feb. 21.
- Butler, William J., Cranston, assignor to Henry Lederer & Bro. Inc., Providence, R. I. Cigar lighter. 1,666,809; Apr. 17.
- Butner, William R., assignor of one-third to G. R. Magee, Yerington, Nev. Clotheshpin. 1,681,461; Aug. 21.
- Butt, Herbert G., Waltham, Mass. Pipe wrench. 1,658,075 Feb. 7.
- Butt, Howard, assignor to Riley Stoker Corporation, Worcester, Mass. Metallurgical furnace. 1,687,470; Oct. 9.
- Butterfield, Andrew M., Bath, Me. Ship's steering gear. 1,684,307; Sept. 11.
- Butterfield, Fred, & Co. Inc. (See Currier, K. G., and Heinrich, assignors.)
- Butterfield, Louis M., Raymond, N. H., assignor, by mesne assignments, to McVety Toy Company, Corinna, Me. Animated toy. 1,670,060; May 15.
- Butterfield, Percy L. (See Casticum, M., and Butterfield.)
- Butterfield, William V., Greenfield, England. Cord grip for electric fittings and appliances. 1,657,000; Jan. 24.
- Butterick, Naason Z., Miami, Fla. Composition roofing shingle. 1,683,285; Sept. 4.
- Butterick Publishing Company, The. (See Yohus, Paul, assignor.)
- Butterlin, Max. (See Gropp, F., and Butterlin.)
- Butterworth, Arthur B., Port Arthur, Tex. Tank-cleaning device. 1,693,885; Dec. 4.
- Butterworth, H. W., & Sons, Company. (See Brown, William W., assignor.)
- Butterworth, H. W., & Sons Company. (See Ehnts, Frederic H., assignor.)
- Butterworth, H. W., & Sons Company. (See Hensel, W., and Butterworth, assignors.)
- Butterworth, H. W., & Sons Company. (See Rowley, W. S., and Butterworth, assignors.)
- Butterworth, Harry W., jr. (See Hensel, W., and Butterworth.)
- Butterworth, Harry W., jr. (See Rowley, W. S., and Butterworth.)
- Butterworth, Samuel D., Miami Beach, Fla. Column form. 1,670,338; May 22.
- Butterworth, Samuel D., Miami Beach, Fla. Column form. 1,670,339; May 22.
- Butterworth, Samuel D., Miami Beach, Fla. Nailing block. 1,682,662; Aug. 28.
- Butterworth, Thomas C., Mill Valley, Calif. Filing structure. 1,685,448; Sept. 25.
- Buttigieg, John, Elgin, Ill. Novelty tape measure. 1,658,667; Feb. 7.
- Buttigieg, John, Elgin, Ill. Animated toy. 1,660,252; Feb. 21.
- Buttner, Harold H., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Power-line signaling system. 1,669,589; May 15.
- Buttner, Henry F., Kellogg, Idaho. Dental plate and plating same. 1,691,755; Nov. 13.
- Buttner, John C., Pomona, Calif. Stencil. 1,674,680; June 26.
- Buttolph, Leroy J., Grantwood, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Fluorescent palut. 1,658,476; Feb. 7.
- Buttolph, Leroy J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Water-cooled lamp. 1,661,597; Mar. 6.
- Buttolph, Leroy J., Grantwood, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Transformer and circuit. 1,676,768; July 10.
- Button, William S., Riverside, Calif., assignor to Riverside Sheet Metal Works. Orchard heater. 1,696,668; Dec. 25.
- Buttress, George A., Los Angeles, Calif. Lath board. 1,694,640; Dec. 11.
- Butttron, Willard C., Albany, N. Y. Traffic-signal observer. 1,683,951; Sept. 11.
- Butts, De Los C. (See Simon, R., and Butts.)
- Buttschau, Frederick W., Tekoa, Wash. Headlight lens. 1,658,668; Feb. 7.
- Rutz, Joseph E., assignor to General Motors Research Corporation, Dayton, Ohio. Engine valve mechanism. 1,670,839; May 22.
- Buvinger, George A., and C. Warner, assignors to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,672,928; June 12.
- Buvinger, George A., and C. Warner, assignors to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,695,318; Dec. 18.
- Buxbaum, Berthold, Berlin-Charlottenburg, Germany. Joint for the members of bar structures. 1,661,873; Mar. 6.
- Buxton, Francis E., Indianapolis, Ind. Method and control device for lubricating systems. 1,687,827; Oct. 16.
- Buxton & Skinner Printing and Stationery Company. (See Hermann, Otto L., assignor.)
- Buxton, Warner R., Longmeadow, Mass. Coin purse. 1,669,896; May 15.
- Buxton, Warner R., Longmeadow, Mass. Coin purse. 1,669,897; May 15.
- Buxton, Warner R., Longmeadow, Mass. Case for keys and the like. 1,674,032; June 19.
- Buxton, Warner R., Longmeadow, Mass. Key case. 1,691,637; Nov. 13.
- Buzzaird, Raleigh B., Maplewood, N. J. Lock. 1,685,982; Oct. 2.
- Byberg, Jonas J., Silverton, Oreg. Walnut scrubber. 1,672,445; June 5.
- Byde, Clarence E., Fowler, assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Apparatus for grading raisins and the like. 1,660,862; Feb. 28.
- Byerlein, Arthur A., Detroit, Mich. Press. 1,661,874; Mar. 6.
- Byerlein, Arthur A., Detroit, Mich. Clutch. 1,665,999; Apr. 10.
- Byerlein, Arthur A., Detroit, Mich. Stamping press. 1,686,844; Oct. 9.
- Byerlein, Arthur A., Detroit, Mich. Toggle press. 1,696,622; Dec. 25.
- Byerlein, Erle J., Wauwatosa, Wis. Molding-machine platen arm. 1,661,593; Mar. 6.
- Byerlein, Erle J., Wauwatosa, Wis. Foundry jolt squeezer. 1,696,669; Dec. 25.
- Byerlein, Erle J., Wauwatosa, Wis. Method of and machine for casting. 1,696,670; Dec. 25.
- Byerly, Robert W. (See Loomis, Alfred L., assignor.)
- Byerly, Robert W., New York, N. Y. Fire extinguisher and container for fire-extinguishing liquids and other fluids. 1,663,677; Mar. 27.
- Byerly, Robert W., New York, N. Y. Fire extinguisher. 1,663,678; Mar. 27.
- Byers, Burwell B. (See Fortune, Drury D., assignor.)
- Byers, John A. (See Smotzer, M. C., and Byers.)
- Byers Machine Company, The. (See Shaffer, Layton S., assignor.)
- Byers, Stanley, Bedford, Ind. Cushioning handle for pneumatic tools. 1,679,291; July 31.
- Byington, James A., Orlando, Fla. Hand truck. 1,692,624; Nov. 20.
- Byk, Alfred, Charlottenburg, Germany, assignor to General Electric Company. Telephone line. 1,694,248; Dec. 4.
- Bylek, Rudolph, Los Angeles, Calif. Dirigible. 1,657,955; Jan. 31.
- Byles, Frank A., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,683,161; Sept. 4.
- Byles, Frank A., Schenectady, N. Y., assignor to General Electric Company. Electric regulator. 1,694,249; Dec. 4.
- By-Products Coke Corporation. (See Waggoner, C. L., and Thacher, assignors.)
- Byrd, Anthony A., London, England. Hand tool. 1,673,227; June 12.
- Byrd, Britton E., assignor to Mill Devices Company, Durham, N. C. Spooler's knitter. 1,655,011; Jan. 3.
- Byrd, Britton E., Durham, assignor to Mill Devices Company, Inc., Gastonia, N. C. Tractor plow and cultivator. 1,667,880; May 1.
- Byrd, Britton E., assignor to Mill Devices Company, Inc., Gastonia, N. C. Tape fastener. 1,689,859; Oct. 30.
- Byrd, Hugh L., Stockport, assignor to Drey, Simpson & Company, Limited, South Reddish, near Stockport, England. Tensioning yarns or the like in looms, winding, doubling, and other textile machines. 1,675,330; July 3.
- Byrd, John S., assignor, by mesne assignments, to Boyd Textile Corporation, Williamstown, Mass. Textile fabric. Des. 75,544; June 19.
- Byrd, Lee M., Oakland, Calif. Doll. Des. 75,149; May 15.
- Byrne, Charles E., Chicago, Ill. Piano case. Des. 76,733; Oct. 30.
- Byrne, Kingston & Co. (See Carlston, William S., assignor.)
- Byrne, Michael C., Revesby, via Bankstown, New South Wales, Australia. Egg-turning tray. 1,682,321; Aug. 28.
- Byrne, Thomas J., Brooklyn, N. Y. Doll. 1,668,045; May 1.
- Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)
- Byrnes, Irving F., Schenectady, N. Y., assignor to General Electric Company. Amplifier. 1,665,843; Apr. 10.
- Byrnes, James H., Flushing, N. Y. Metal window. 1,677,952; July 24.
- Byrns, Stephen H., Kansas City, Mo. Horn for loud speakers. 1,689,009; Oct. 23.
- Byron Jackson Pump Co. (See Hollander, Aladar, assignor.)
- Byron Jackson Pump Mfg. Co. (See Hollander, A., and Schurman, assignors.)
- Byron & Learned Company. (See Learned, Park R., assignor.)

- Byron, Orra E., assignor to Wolverine Trailer Corporation, Detroit, Mich. Trailer-brake mechanism. 1,686,730; Oct. 9.
- C. & C. Engineering Company. (See Carrey, John O., assignor.)
- C & C Engineering Co. Inc. (See Carrey, John O., assignor.)
- C. G. Spring & Bumper Company, The. (See Dunston, Wayne E., assignor.)
- C. G. Spring & Bumper Company, The. (See Goodrich, Francis H., assignor.)
- C. G. Spring & Bumper Company, The. (See Homan, Clayton H., assignor.)
- C. G. Spring & Bumper Company, The. (See Jandus, Herbert S., assignor.)
- C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Flum, assignors.)
- C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Meyerhuber, assignors.)
- C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Morgan, assignors.)
- C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Rasmussen, assignors.)
- C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Reed, assignors.)
- C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Van Huse, assignors.)
- C. H. C. Co. The. (See Hapgood, Clarence H., assignor.)
- C. L. W. Patents Corporation. (See Wagner, Charles L., assignor.)
- C. Lorenz Aktiengesellschaft. (See Gutzmann, Fritz, assignor.)
- C. Otto Und Comp. Gesellschaft mit beschraenkter Haftung. (See Grasshoff, Eberhard, assignor.)
- C-S Engineering Company. (See Casey, W. F. J., and Cavin, assignors.)
- C-S Engineering Company. (See Schellens, Christopher, A., assignor.)
- C-S Engineering Company. (See Schellens, Eugene L., assignor.)
- C-S Engineering Company. (See Schellens, E. L., and Coffin, assignors.)
- Cabell, Charles A. (See McCormick, J. A., and Cabell.)
- Cable Company, The. (See Hagey, James C., assignor.)
- Cable Company, The. (See Swensen, Alfred, assignor.)
- Cable Corporation, The. (See Cable, Julius L., assignor.)
- Cable, Edna J., Chaffee, Mo. Railway gate and signal. 1,659,805; Feb. 21.
- Cable, Julius L., Boston, Mass. Chair. 1,694,935; Dec. 11.
- Cable, Julius L., assignor to The Cable Corporation, Boston, Mass. Folding cot. 1,654,529; Jan. 3.
- Cable, Julius L., assignor to The Cable Corporation, Boston, Mass. Leg for folding cots. 1,659,941; Feb. 21.
- Cable, Julius L., assignor to The Cable Corporation, Boston, Mass. Folding camp chair. 1,664,059; Mar. 27.
- Cable, Julius L., assignor to The Cable Corporation, Boston, Mass. Folding cot. 1,668,103; May 1.
- Cable, Oswald J., Newtown, near Sydney, New South Wales, Australia. Concrete-wall erection form and form clamp. 1,672,870; June 12.
- Cabot Samuel, Inc. (See Abbott, Charles M., assignor.)
- Cabot, Samuel, Inc. (See Cabot, Samuel, assignor.)
- Cabot, Samuel, Jamaica Plain, assignor to Samuel Cabot, Boston, Mass. Colloidally dispersing solids. 1,662,999; Mar. 20.
- Cabral, Manuel T., Honolulu, Hawaii. Circuit closer for electric alarms. 1,678,555; July 24.
- Cabrera, Charles T., Philadelphia, Pa., assignor of one-fourth to B. J. Macdonald, New York, N. Y., and one-tenth to W. W. Williamson, Philadelphia, Pa. Induction exhauster. 1,676,078; July 3.
- Caccia, Pio, Newark, N. J. Production of direct azo dyestuffs. 1,673,311; June 12.
- Cadden, Charles C. (See Gammeter, J. R., and Cadden.)
- Cadenhead, Arnold L. (See Henry, M. B., and Cadenhead.)
- Cadgene, Ernest, Englewood Cliffs, and G. Dupont, Paterson, N. J. Method and machine for printing fabrics. 1,673,933; June 19.
- Cadgene, Ernest, Englewood Cliffs, and G. Dupont, Paterson, N. J. Fabric printing machine. 1,673,934; June 19.
- Cadioux, Joseph O., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Hospital signal switch. 1,666,639; Apr. 17.
- Cadis, Jean L. (See Coullie, J. G. G., and Cadis.)
- Cadman, Wilson K., Eureka, Kans. Photograph. 1,683,952; Sept. 11.
- Cadoret, Louis A., Pawtucket, R. I. Thread-tensioning means for shuttles. 1,687,320; Oct. 9.
- Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Electric furnace. 1,657,785; Jan. 31.
- Cadwell, Edwin B., Saugerties, N. Y. Snow-removal apparatus. 1,665,685; Apr. 10.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber with aldehyde derivatives and products. 1,662,182; Mar. 13.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber with aldehyde amine condensation products and product. 1,673,549; June 12.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and products obtained thereby. 1,673,550; June 12.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber latex. 1,680,856; Aug. 14.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating latex and the products obtained thereby. 1,680,857; Aug. 14.
- Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacturing rubber articles from latex. 1,680,858; Aug. 14.
- Cadwell, William H., New Britain, Conn. Radiator valve. 1,665,052; Apr. 3.
- Cadwell, William H., and J. Ott, assignors to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Fixed-time flush valve. 1,657,817; Jan. 31.
- Cadwell, William H., J. Ott, New Britain, Conn., and O. C. Kave, Syracuse, N. Y., assignors to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Flush valve. 1,672,366; June 5.
- Cady, George B. (See Walter, Frank J., assignor.)
- Cady, George B., Canastota, N. Y. Machine for counterboring brake linings and the like. 1,665,771; Apr. 10.
- Cady, George B., Canastota, N. Y. Device for opening and closing wire-link loops and the like. 1,668,942; May 8.
- Cady, George B., Canastota, N. Y. Cross-chain link. 1,684,909; Sept. 18.
- Cady, John A., Los Angeles, Calif. Grab for use in wells. 1,682,481; Aug. 28.
- Cady, Lawrence W. (See Baughman, O. F., and Cady.)
- Cady, Sherman W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Four-horse hitch. 1,667,372; Apr. 24.
- Cady, Sherman W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Subsoil packer. 1,673,184; June 12.
- Cady, Sherman W., Richmond, Ind., assignor to International Harvester Company. Chaffer for thrashers. 1,695,532; Dec. 18.
- Cady, Walter H., Brookline, assignor to The Flintkote Company, Boston, Mass. Roof package and binder therefor. 1,686,513; Oct. 9.
- Cady, Walter H., and C. E. Rahr, Brookline, assignors to The Flintkote Company, Boston, Mass. Apparatus for handling asphalt and similar material. 1,683,604; Sept. 11.
- Cady, Walter G., Middletown, Conn., assignor to Radio Corporation of America. Electromechanical system. 1,693,806; Dec. 4.
- Caesar, Irving, New York, N. Y. Cane. 1,660,830; Feb. 28.
- Caesar, Irving, New York, N. Y. Cane. 1,662,102; Mar. 13.
- Caesar, Orville S., Chicago, Ill., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. Re17,131; Nov. 13.
- Caesar, Orville S., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,668,490; May 1.
- Caesar, Orville S., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Heating apparatus for automotive vehicles. 1,668,491; May 1.
- Caesar, Orville S., Chicago, Ill., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Vehicle bumper. 1,673,392; June 12.
- Caffee, Percy C. (See Brown, Roy E., assignor.)
- Cafferata, Louis W., Newark-on-Trent, England. Making reinforced blocks. 1,690,474; Nov. 6.
- Caffrey, James J. (See Jenney, Melvin R., assignor.)
- Cagan, Samuel, and W. S. Nead, Stillwater, Minn. Garment collar. 1,682,831; Sept. 4.
- Cage, Leland A. (See Etheredge, John H., assignor.)
- Cahill, Gerald, Lowell, Mass., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Heat-interchange apparatus and constructing the same. 1,672,708; June 5.
- Cahill, Harry A., Newark, and H. H. Dennis, East Liberty, Ohio. Signaling device. 1,661,875; Mar. 6.
- Cahill, John, Norfolk, Va. Sliding swing door. 1,682,772; Sept. 4.
- Cahill, Thomas E., Ardmore, Pa. Game. 1,683,860; Sept. 11.
- Cahn, Bertram J., trustee et al. (See Rosche, H. J., jr. and Schwartz, assignors.)
- Cain, Art, Indianola, Nebr. Fly shoe. 1,689,112; Oct. 23.
- Cain, Charles C., jr., Westwood, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Mechanism for folding down dry-cell linings. 1,672,301; June 5.
- Cain, John J., Bayonne, N. J. Metal shipping container. 1,685,905; Oct. 2.
- Caine, Charles H. (See Ringwald, Clarence, assignor.)
- Calabi, Giacomo A. (See Furmanik, Giuseppe, assignor.)
- Calafato, Gaetano, Westbury, N. Y. Radiocabinet or similar article. Des. 75,827; July 24.
- Calamita, Pietro, Brooklyn, N. Y. Protective device for vessels. 1,657,915; Jan. 31.
- Calbeck, John H., Joplin, and J. A. Schaeffer, St. Louis, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Storage-battery plate. 1,668,801; May 8.

- Calbeck, John H., Joplin, Mo., assignor to The Eagle-Picher Lead Company, Cincinnati, Ohio. Crude lithopone and improved method of manufacturing the same. 1,669,857; May 15.
- Calco Chemical Co. (See Battagay, Martin, assignor.)
- Calco Chemical Company. (See Linville, C. P., and Mensing, assignors.)
- Calcott, Walter C. (See Schleicher, P. E., and Calcott.)
- Calcott, William S., Penns Grove, and H. W. Daudt, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making tetraalkyl lead. 1,692,926; Nov. 27.
- Calcott, William S., Penns Grove, A. E. Parmelee, Carneys Point, and F. R. Lorrman, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing tetra-ethyl lead. 1,664,021; Mar. 27.
- Calcott, William S., and H. W. Daudt, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of benzoates. 1,692,927; Nov. 27.
- Calder, David O. McGill, Nev. Lamp standard. Des. 74,416; Feb. 14.
- Caldwell, Albert E., assignor to Continental Rubber Works, Erie, Pa. Armored hose. 1,664,060; Mar. 27.
- Caldwell, Charles W., Berea, Transvaal, South Africa. Spring suspension for vehicles. 1,668,669; May 8.
- Caldwell, Edward F., & Co. Inc. (See Klehr, William, assignor.)
- Caldwell, Edward F., & Co. (See Tizley, Arthur J., assignor.)
- Caldwell, Edwin, New York, N. Y. Writing pen. 1,661,746; Mar. 6.
- Caldwell, Edwin, New York, N. Y. Smoker's novelty. 1,691,564; Nov. 13.
- Caldwell, Edwin, New York, N. Y. Pipe holder. 1,695,533; Dec. 18.
- Caldwell, Edwin de H., Fredonia, assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive power reverse gear. 1,668,304; May 1.
- Caldwell, Frank E., North Mankato, Minn. Weather strip. 1,683,162; Sept. 4.
- Caldwell, Frank W. (See Fales, E. N., and Caldwell.)
- Caldwell, Frank W. (See McCauley, E. G., and Caldwell.)
- Caldwell, Iva M., Maryville, Mo. Tire rim. 1,687,426; Oct. 9.
- Caldwell, James F., Watts, Calif. Aquatic vehicle. 1,687,194; Oct. 9.
- Caldwell, Louis P., Kansas City, Mo. Vegetable-matter drier. 1,666,617; Apr. 17.
- Caldwell, Lyle, assignor to The Celite Company, Los Angeles, Calif. Treating liquids. 1,691,266; Nov. 13.
- Caldwell, Myron H., and I. Green, New York; said Green assignor to Arthur C. E. Hamilton, Mount Vernon, N. Y. Magazine pencil. 1,666,405; Apr. 17.
- Caldwell, Otto H., Houston, Tex. Cutter. 1,679,022; July 31.
- Caldwell, William A., Manila, assignor of one-fourth to J. McCallister, Limay, P. I. Signal. 1,671,852; May 29.
- Caldwell, William L. (See Sturm, J., and Caldwell.)
- Caldwell, William L., Indianapolis, Ind. Order blank. 1,667,622; Apr. 24.
- Calestini, Luigi, Tarsagno, Italy. Automobile jack structure. 1,669,410; May 15.
- Caley, John T. (See Hill, John W., assignor.)
- Calhoun, George E. (See Wilkes, C. H., and Calhoun.)
- Calhoun, John W., Chester, Pa. Bottom for water meters. 1,681,027; Aug. 14.
- Calhoun, William D., Seattle, Wash. Forced-draft fan inclosure. 1,688,850; Oct. 23.
- California Almond Growers Exchange. (See Bailey, David R., assignor.)
- California Canning Machinery Co. (See Wilcox, George, assignor.)
- California Card Manufacturing Company. (See Helquest, William J., assignor.)
- California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
- California Cotton Mills Co. (See Millar, John R., assignor.)
- California Cotton Mills Company. (See Mitchell, Alister S., assignor.)
- California Cyanide Company. (See Metzger, F. J., and Bauer, assignors.)
- California Cyanide Company. (See Neuls, Joseph D., assignor.)
- California Cyanide Company. (See Poindexter, R. W., Jr., and Dolley, assignors.)
- California Holding Company. (See Buchet, C. R., and Baker.)
- California Production Company. (See Palmer, Eli J., assignor.)
- California Restaurant Equipment Company. (See Haak, G. E., and Kimberley, assignors.)
- California Six Wheel Company. (See Rodin, Charles F., assignor.)
- California Transit Company. (See Ahrens, Richard M., assignor.)
- California Transit Company. (See McAbee, Louis U., assignor.)
- Calkins, Arthur H., et al. (See Hays, Clarence R., assignor.)
- Calkins, Cecil, Albany, Oreg. Locking plug for extension cords. 1,694,056; Dec. 4.
- Calkins, Claude C., Spokane, Wash. Seed-treating machine. 1,690,718; Nov. 6.
- Calkins, Edward C., Brooklyn, N. Y. Steam cooker. 1,659,806; Feb. 21.
- Calkins, Edward W., et al. (See Brunell, Leo W., assignor.)
- Calkins, Frederic A., Waterbury, Conn. Fastener for tire chains. 1,664,158; Mar. 27.
- Calkins & Holden. (See Clarke, James A., assignor.)
- Calkins, William G., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hydraulic-brake solution. 1,666,871; Apr. 17.
- Call, Benjamin G., Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y. Tuyere. 1,656,723; Jan. 17.
- Call, Isaac S., Savannah, Ga. Display apparatus. 1,656,557; Jan. 17.
- Callaghan, Cornelius J., Columbus, Ohio. Window or door structure. 1,660,253; Feb. 21.
- Callahan, Christian E., assignor to The Pioneer Rubber Company, Willard, Ohio. Assembly disk for elastic material. 1,680,318; Aug. 14.
- Callahan, George H., Gloucester, N. J. Hose coupling. 1,693,367; Nov. 27.
- Callahan, Michael J., New York, N. Y. Heating and ventilating unit. 1,692,330; Nov. 20.
- Callahan, Robert L., Louisville, Ky. Sack filler. 1,686,404; Oct. 2.
- Callan, Bernard J., assignor to Johnson Bronze Company, New Castle, Pa. Control attachment for engine lathes. 1,674,465; June 19.
- Callan, Harry H., Lexington, Ky. Clothes-pressing machine. 1,662,696; Mar. 13.
- Callan, John G. (See Webb, S. W., Callan, and Allen.)
- Callan, John G., Cambridge, Mass. Liquid-level indicator. 1,667,769; May 1.
- Callan, Luke H., Bristol, R. I. Road. 1,693,807; Dec. 4.
- Callan, William D., Duluth, assignor to Economic Powdered Products Company, Minneapolis, Minn. Dehydrating apparatus. 1,682,596; Aug. 28.
- Callery, William S., Dixon, Calif. Traction device. 1,661,996; Mar. 6.
- Calleson, Amos, Brooklyn, N. Y. Bottle filling and sealing machine. 1,668,264; May 1.
- Callet, Samuel E., et al. (See Bongiovanni, Antonio, assignor.)
- Callet, Tobias J., et al. (See Bongiovanni, Antonio, assignor.)
- Callin, Ralph C., Wetmore, Colo. Door knocker. Des. 74,254; Jan. 17.
- Callis, Conrad C. (See Kraus, C. A., and Callis.)
- Callis, Conral C. (See Kraus, C. A., and Callis.)
- Callison, Abner F., New York, N. Y. Swiveled wheel for supporting portable containers. 1,676,381; July 10.
- Callister, Lee O., assignor of one-half to A. W. Doyle, Sheridan, Wyo. Electric safety device for automobiles. 1,689,715; Oct. 30.
- Callow, Russell. (See Briese, A., and Callow.)
- Callum, Preston D., Baltimore, Md. Guard for knife-sharpening steels. 1,667,282; Apr. 24.
- Callsen, Albert, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Induction meter. 1,695,878; Dec. 18.
- CalorOil Burner Corporation. (See Grant, Albert E., assignor.)
- Calpin, Raymond, Everett, assignor to A. S. Campbell Company, East Boston, Mass. Curtain-window installation. 1,671,059; May 22.
- Calpin, Raymond, Everett, assignor to A. S. Campbell Company, East Boston, Mass. Curtain-window installation. 1,671,060; May 22.
- Calpin, Raymond, Everett, assignor to A. S. Campbell Company, East Boston, Mass. Curtain-window installation. 1,671,061; May 22.
- Calpin, Raymond, Everett, assignor to A. S. Campbell Company, East Boston, Mass. Curtain-window installation. 1,671,062; May 22.
- Calverley, John E., Preston, and W. E. Highfield, assignors to The English Electric Company, Limited, London, England. Electric converting apparatus. 1,656,972; Jan. 24.
- Calverley, John E., Preston, and W. E. Highfield, assignors to The English Electric Company Limited, London, England. Electric converting apparatus. 1,667,242; Apr. 24.
- Calvert, Sebastian L. (See Chancellor, V., and Calvert.)
- Calvert, William, et al. (See Le Bus, John E., assignor.)
- Calvo, Frank, Waterbury, Conn. Callous protector. 1,668,229; May 1.
- Calvo, José, New York, N. Y. Flying toy. 1,675,970; July 3.
- Cam Manufacturing Company. (See Meunier, Charles A., assignor.)
- Cambria, Dominick, et al. (See Bartolotta, Sebastiano G., assignor.)
- Cambridge Laboratories, Inc. (See Smith, Charles G., assignor.)
- Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
- Cambridge Rubber Company. (See Dunbar, E. W., and Dempsey, assignors.)
- Cambridge Rubber Company. (See Westling, Herman, assignor.)
- Cambron, John R., Evansville, Ind. Swinging automobile headlight. 1,689,167; Oct. 23.

- Camden, Andrew B., assignor of one-half to P. Newman, Durant, Okla. Street-marking device. 1,658,283; Feb. 7.
- Camel Company. (See Beauchamp, W. A., and Darrow, assignors.)
- Camel Company. (See Fehr, E. J., and Darrow, assignor.)
- Camel Company. (See Julien, Bartholomew, assignor.)
- Camel Company. (See Tobin, K. J., and Darrow, assignors.)
- Camel Company. (See Tobin, K. J., Wasberg, and Madland, assignors.)
- Camel Company. (See Treptow, G. R., and Eklind, assignors.)
- Camel Company. (See Wasberg, A., and Darrow, assignors.)
- Cameli, Philip, Wilmington, Del. Switch-point depressor and hold-down device. 1,682,597; Aug. 28.
- Camelo, Dominick J., Tupper Lake, N. Y. Grave marker. Des. 75,474; June 12.
- Cameo Refrigerator Corporation. (See Covell, Ernest G., assignor.)
- Cameras, Optical unit for. O. Wittel. 1,676,595; July 10.
- Cameron, Allan A., assignor to O. C. Ritz Woller, Chicago, Ill. Ornament for automobile radiator cap or similar article. Des. 74,353; Feb. 7.
- Cameron, Angus, Sommerstown, assignor of fifty-two one-hundredths to W. D. Knight, Cornwall, Ontario, Canada. Wheel-rim locking and contracting appliance. 1,667,243; Apr. 24.
- Cameron Appliance Company. (See Dissel, Theodore A., assignor.)
- Cameron Can Machinery Company. (See Cameron, William, assignor.)
- Cameron, Charles L., Dayton, Ohio. Iron holder. 1,669,858; May 15.
- Cameron, Guy F. (See Bowman, F. E., and Cameron.)
- Cameron, Hugh M., Woodhaven, assignor to John Chatillon & Sons, New York, N. Y. Scale. 1,659,389; Feb. 14.
- Cameron, Hugh M., New York, N. Y., assignor to Elder & Robinson, Chicago, Ill. Counter scale. 1,683,861; Sept. 11.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Protective guard for winding or other machines. Re17,145; Nov. 27.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Rewind shaft. 1,670,607; May 22.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 1,678,326; July 24.
- Cameron, James A., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,692,815; Nov. 27.
- Cameron, James N., Johannesburg, Transvaal, South Africa. Paper fastener or clip. 1,661,165; Mar. 6.
- Cameron, John A., Monroe, N. Y. Mail box. Des. 74,296; Jan. 24.
- Cameron Machine Company. (See Cameron, James A., assignor.)
- Cameron Machine Company. (See Johnstone, Robert M., assignor.)
- Cameron, Robert F. (See Holcomb, Jarrett C., assignor.)
- Cameron, Will J., Chicago, Ill. Nasal retractor or speculum. 1,664,660; Apr. 3.
- Cameron, Will J., Chicago, Ill. Diagnostic instrument. 1,693,021; Nov. 27.
- Cameron, William, assignor to Cameron Can Machinery Company, Chicago, Ill. Can-feeding mechanism. 1,674,636; June 26.
- Cameron, Wm., & Co. Inc. (See Johnston, William D., assignor.)
- Cameto, Leon, assignor to Modern Foundry and Pattern Works, Oakland, Calif. Clothes-washing-machine agitator. 1,681,464; Aug. 21.
- Camby, Musaffer D., Berlin, Germany, assignor to General Electric Company. Protection of electric systems. 1,658,704; Feb. 7.
- Camienor, Paul M. (See Marshall, W., and Camienor.)
- Camineti, Anthony, Jr., San Francisco, Calif. Dirigible headlight. 1,668,046; May 1.
- Camineti, Anthony, Jr., San Francisco, Calif. Dirigible headlight. 1,668,047; May 1.
- Caminez, Harold, Farmingdale, N. Y. Engine mounting. 1,681,219; Aug. 21.
- Caminez, Harold, Farmingdale, N. Y. Piston. 1,687,265; Oct. 9.
- Camm, Sydney. (See Sigrist, F., and Camm.)
- Cammen, Leon, New York, N. Y. Apparatus for the annealing of metals in continuous cold rolling. 1,676,685; July 10.
- Camp, Charles H., Brooklyn, assignor to The Delaware, Lackawanna & Western Coal Co., New York, N. Y. Method of and apparatus for heating clay products in kilns or ovens. 1,656,167; Jan. 17.
- Camp, Curtis B. (See Stokes, Charles L., assignor.)
- Camp, Hiram W., Tulsa, Okla., assignor to Doherty Research Company, New York, N. Y. Process and apparatus for treating hydrocarbon oils. 1,657,524; Jan. 31.
- Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Dynamometer. 1,696,148; Dec. 18.
- Camp, Troy E., Stephenson, Miss. Cant support and guide. 1,695,757; Dec. 18.
- Campagna, Fred J., Independence, Iowa. Bag filler. 1,655,583; Jan. 10.
- Campagna, Salvatore. (See Laviano, B., Alesse, and Campagna.)
- Campbell, A. S., Company. (See Calpin, Raymond, assignor.)
- Campbell, A. S., Company. (See Campbell, Alphonso S., assignor.)
- Campbell, Alexander, Tyrrell, Ohio. Toy horse. 1,661,463; Mar. 6.
- Campbell, Alphonso S., West Medford, assignor to A. S. Campbell Company, East Boston, Mass. Curtain window. 1,680,011; Aug. 7.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway-car construction. 1,684,010; Sept. 11.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car. 1,686,798; Oct. 9.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car. 1,688,685; Oct. 23.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car. 1,688,851; Oct. 23.
- Campbell, Arthur J. (See Moore, B. J., and Campbell.)
- Campbell, Arthur T., assignor to Band-Bound Box Company, Seattle, Wash. Box-blank folding and fastening machine. 1,688,115; Oct. 16.
- Campbell, Ben J., Hoboken, N. J. Dynamic optometer and eye-testing apparatus. 1,680,663; Aug. 14.
- Campbell, C. H. (See Carpenter, William A., assignor.)
- Campbell, Carleton W., assignor to Moll Manufacturing Company, Denver, Colo. Electrically-heated steam boiler. 1,670,437; May 22.
- Campbell, Charles C., Washington, D. C. Spark plug. 1,695,632; Dec. 18.
- Campbell, Charles, London, England, assignor to The Tabulating Machine Company, New York, N. Y. Record-card-controlled statistical machine. 1,658,022; Jan. 31.
- Campbell, Charles, London, England, assignor, by mesne assignments, to The Tabulating Machine Company, New York, N. Y. Record-card-operated statistical machine. 1,667,881; May 1.
- Campbell, Charles, London, England, assignor to The Tabulating Machine Company, Endicott, N. Y. Total-taking device. 1,681,152; Aug. 14.
- Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 1,682,482; Aug. 28.
- Campbell, Charles H., et al. (See Campbell, Charles H., assignor.)
- Campbell, Charles H., assignor to C. H. Campbell, Brookline, and H. B. Campbell, Cambridge, doing business as Colonial Can Co., Boston, Mass. Pane retainer. 1,656,316; Jan. 17.
- Campbell, Charles H., Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass. Rubber composition. 1,683,862; Sept. 11.
- Campbell, Charles H., Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass. Rubber composition. 1,683,863; Sept. 11.
- Campbell, Charles H., Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass. Rubber composition and process relating thereto. 1,683,864; Sept. 11.
- Campbell, Clarence J., Oakland, Calif. Cabinet. 1,678,378; July 24.
- Campbell, David N. E., Atlantic City, N. J. Powdered-medicament dispenser for lung treatments. 1,696,469; Dec. 25.
- Campbell, David W., Minneapolis, Minn. Door-mounting structure. 1,696,175; Dec. 18.
- Campbell, David W., Minneapolis, Minn. Door-operating mechanism. 1,696,176; Dec. 18.
- Campbell, Donald A. (See Roth, C. C., and Campbell.)
- Campbell, Donald J., Muskegon Heights, Mich. Molding apparatus. 1,688,784; Oct. 23.
- Campbell, Earl E., Gillette, Wyo. Well-cleaning device. 1,666,000; Apr. 10.
- Campbell, Earl F. B., assignor of one-half to E. J. Francis, New Kensington, Pa. Dental mirror. 1,695,451; Dec. 18.
- Campbell, Edward S., assignor to Boeing Airplane Company, Seattle, Wash. Airplane landing hook. 1,670,402; May 22.
- Campbell, Elliott D., San Francisco, Calif. Flatiron. 1,665,295; Apr. 10.
- Campbell, Frank M., Asheville, N. C. Flush-valve lever and mounting. 1,675,248; June 26.
- Campbell, George. (See Huenefeld, C. H., and Campbell.)
- Campbell, George A., Upper Montclair, N. J., assignor to American Telephone and Telegraph Company. Wave translator. 1,671,143; May 29.
- Campbell, George W., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,677,170; July 17.
- Campbell, Harold B., et al. (See Campbell, Charles H., assignor.)
- Campbell, Harry A. F., Philadelphia, Pa. Locomotive cylinder structure. 1,688,174; Oct. 16.
- Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Adjustable rubbing plate. 1,664,373; Mar. 27.
- Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Sealing mechanism for window frames and sashes. 1,666,043; Apr. 10.

- Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Auxiliary sealing mechanism for windows. 1,673,393; June 12.
- Campbell, Harry V., Freehold, N. J. Sea wall, jetty, and similar structure. 1,691,335; Nov. 13.
- Campbell Hausfeld Company, The. (See Armour, John S., assignor.)
- Campbell, Henry. (See Polisen, B., and Campbell.)
- Campbell, Henry C. (See Lane, James H., assignor.)
- Campbell, Horace L., St. Louis, Mo. Advertising device. 1,684,534; Sept. 18.
- Campbell, Hugh S., Hammond, Ind., assignor to Federal Electric Company, Chicago, Ill. Siren-control system. 1,672,302; June 6.
- Campbell, James, Montrose, Calif. Brick hammer. 1,679,071; July 31.
- Campbell, James H., Clio, Mich. Double-cylinder pump. 1,654,859; Jan. 8.
- Campbell, James H., Cambridge, assignor of one-half to J. D. Moore, Boston, Mass. Heater. 1,666,233; Apr. 17.
- Campbell, John. (See Pickering, C. H., and Campbell.)
- Campbell, John A., Los Angeles, Calif. Street signal for vehicular traffic. 1,688,409; Oct. 23.
- Campbell, John B., Salem, N. J., assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Machine for printing rugs. 1,691,021; Nov. 6.
- Campbell, John H., Frankfort, Kans. Lister corn harrow. 1,682,322; Aug. 28.
- Campbell, John S., Pittsburgh, Pa. Cleaning apparatus. 1,665,727; Apr. 10.
- Campbell, Julian A., Long Beach, Calif. Absorber. 1,654,785; Jan. 8.
- Campbell, Leo F., and G. Rothweiler, East Alton, Ill. Thermometer well. 1,675,210; June 26.
- Campbell, Leon J., Buchanan, Mich. Building block. 1,665,442; Apr. 10.
- Campbell, Lora, Jr., Lakewood, assignor to The Harris Calorific Company, Cleveland, Ohio. Adapter for tubular members. 1,672,879; June 12.
- Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
- Campbell, Neil L., Glendale, assignor, by mesne assignments, to Carthage Mills Incorporated, Cincinnati, Ohio. Floor covering. 1,664,589; Apr. 3.
- Campbell, Robert C., Millburn, N. J., assignor to United Filters Corporation, Hazleton, Pa. Recovering sugar values. 1,685,118; Sept. 25.
- Campbell, Robert H., London, England. Capsule or container for gases or liquids under pressure. 1,661,997; Mar. 6.
- Campbell, Robert H., Upper Edmonton, England. Manufacture of containers or capsules. 1,686,405; Oct. 2.
- Campbell, Samuel, Charlottetown, Prince Edward Island, Canada. Implement for facilitating the handling of animals. 1,677,953; July 24.
- Campbell, Samuel J., assignor to Hudson & Sharp Machine Company, Green Bay, Wis. Article forming and folding machine. 1,666,086; Apr. 17.
- Campbell, Stanley T., Cleveland, Ohio. Process and apparatus for vulcanization. 1,674,387; June 19.
- Campbell, Sterling H. (See Pietzsch, F. H., and Campbell.)
- Campbell, Sterling H. (See Van Patten, Paul F., assignor.)
- Campbell, Sterling H., St. Louis, Mo. Hanger for trousers and cravats. Des. 76,341; Sept. 18.
- Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Draft gear. 1,667,030; Apr. 24.
- Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Floor construction. 1,669,187; May 8.
- Campbell, Stewart L., Berkeley, assignor to J. Grant, Los Angeles, Calif. Rotary underreamer. 1,667,190; Apr. 24.
- Campbell, Sumner E., et al. (See Ihrig, Harry K., assignor.)
- Campbell, Thomas D. (See Holdaway, H. H., and Campbell.)
- Campbell, Thomas D., Hardin, Mont. Method and apparatus for drying grain as thrashed. 1,658,775; Feb. 7.
- Campbell, Thomas F., Oklahoma City, Okla. Crown-bolt apparatus. 1,691,430; Nov. 13.
- Campbell, Thomas F., assignor of sixty one-hundredths to R. S. Shannon, Denver, Colo. Derrick. 1,693,107; Nov. 27.
- Campbell, Thomas P., Denver, Colo. Treating iron ores. 1,696,188; Dec. 25.
- Campbell, Wallace H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold and making same. 1,691,756; Nov. 13.
- Campbell, William, Detroit, Mich. Heating-element support. 1,661,464; Mar. 6.
- Campbell, William, Alliance, Ohio. Electric fireless cooker. 1,675,091; June 26.
- Campbell, William B., Nashville, Tenn. Smoker's set. Des. 75,610; June 26.
- Campbell, William E., Alborn, Minn. Electric contact. 1,669,653; May 15.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,685,271; Sept. 25.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,685,272; Sept. 25.
- Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,685,906; Oct. 2.
- Campbell, William W., et al., executors. (See Harrison, Herbert C.)
- Campbell, Willie C., Soddy, Tenn., assignor to W. S. Mills, Trumbull, Conn. Stop-motion device. 1,674,388; June 19.
- Campbell, Wyatt R., New Castle, Pa. Flower-displaying device for coffin lids. 1,683,526; Sept. 4.
- Campo, James A., Woodridge, N. J., assignor to Buffalo Brake Beam Company. Coupling pin. 1,655,750; Jan. 10.
- Campobasso, Gerard. (See Campobasso, Thomas and G.)
- Campobasso, Thomas and G., Barre, Vt. Nipple. 1,666,772; Apr. 17.
- Camponodon, John J., Stockton, Calif. Traction wheel. 1,666,526; Apr. 17.
- Campos, Adolfo, Philadelphia, Pa. Picture hanger. 1,676,131; July 3.
- Campus, Cesare C., Santa Monica, Calif. Attachment for toilet bowls. 1,659,807; Feb. 21.
- Campus, Cesare C., Santa Monica, Calif. Lavatory. 1,663,111; Mar. 20.
- Campus, Cesare C., Santa Monica, Calif. Water-closet fitting. 1,668,048; May 1.
- Campus, Cesare C., Santa Monica, Calif. Water-closet fitting. 1,683,063; Sept. 4.
- Camyre, Joseph J., Springfield, Mass. Combination floor lamp and ash tray. Des. 75,676; July 3.
- Canadian Car and Foundry Company Limited. See Viberg, E. R., and Linderblad, assignors.)
- Canadian Electro Products Company. (See Matheson, Howard W., assignor.)
- Canadian Electro Products Company. (See Matheson, H. W., and Blaikie, assignors.)
- Canadian Electro Products Company. (See Reid, Hugh S., assignor.)
- Canadian Electro Products Company. (See Reid, H. S., and Hovey, assignors.)
- Canadian Pacific Railway Company, The. (See Sturrock, Archibald, assignor.)
- Canadian Sturdy Chain Company Limited. (See Allen, Harrison L., assignor.)
- Canary, James D. (See Woodsome, Millard, assignor.)
- Canda, Abell, Cranford, N. J. Forging balls from long bars. 1,688,175; Oct. 16.
- Candas, Gaston, Paris, France. Hinge for jewelry. 1,692,434; Nov. 20.
- Candee, Allan H. (See Wildhaber, E., and Candee.)
- Candee, Allan H., and M. H. Johanson, assignors to Gleason Works, Rochester, N. Y. Method of and machine for cutting cylindrical gears. 1,686,550; Oct. 9.
- Candee, Allan H., and E. Wildhaber, assignors to Gleason Works, Rochester, N. Y. Gear. 1,683,758; Sept. 11.
- Candee, Andrew H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gas-electric power system. 1,664,242; Mar. 27.
- Candee, L., & Co. (See Anderson, R. G., and Gaines, assignors.)
- Candee, L., & Company. (See Anderson, Roland G., assignor.)
- Candee, L., & Company. (See Clements, Eugene E., assignor.)
- Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Wheel. 1,659,311; Feb. 14.
- Candrea, Pietro, Chicago, Ill. Plow. 1,662,636; Mar. 13.
- Cannfield, Albert H., Bridgeport, Conn. Rack for articles. Des. 75,828; July 24.
- Cannfield, Edith B., Holton, Kans. Picnic service kit. 1,683,603; Sept. 11.
- Canine, Chester W., Cincinnati, Ohio. Laundry tag. 1,660,544; Feb. 28.
- Cannard, William H., Green Bay, Wis. Crepe and method of and apparatus for making the same. 1,680,203; Aug. 7.
- Cannard, William H., Green Bay, Wis. Web-converting apparatus. 1,692,720; Nov. 20.
- Cannard, William H., and A. W. Witbro, Green Bay, Wis. Toilet kit or container. 1,686,200; Oct. 2.
- Canniff, William L., assignor to The Parker Pen Company, Janesville, Wis. Pen-gripping device. 1,669,040; May 8.
- Canning, Leo F., Muncie, Ind. Plumber's cement. 1,661,065; Feb. 28.
- Cannon, Earl, assignor to American Fluid Motors Company, Philadelphia, Pa. Hydraulic control system. 1,656,034; Jan. 10.
- Cannon Engineering Co. (See Brewer, Charles A., assignor.)
- Cannon, John W., Providence, R. I. Oil-burning system. 1,665,443; Apr. 10.
- Cannon, Nahum A., Fairview, Ala. Amusement house. Des. 76,458; Oct. 2.
- Cannstatter Misch- und Knetmaschinen-Fabrik, Cannstatter Dampf-Backofen-Fabrik, Werner & Pfeiderer. (See Mack, Martin, assignor.)
- Canode, Benjamin F., Aurora, Ill. Screw driver. 1,686,681; Oct. 9.
- Canon, Edward H., McKeesport, Pa. Lock. 1,668,354; May 1.

- Canon, Frank A., and C. E. Andrews, assignors to The Selden Company, Pittsburgh, Pa. Producing phthalic anhydride. 1,689,860; Oct. 30.
- Canright, Bruce W., St. Paul, assignor of one-half to I. B. Meagher, Minneapolis, Minn. Coffee-making apparatus. 1,665,728; Apr. 10.
- Canterbury, Harry H., Whittier, assignor, by mesne assignments, to G. G. Griffith, Monrovia, Calif. File holder. 1,659,765; Feb. 21.
- Cantieny, Georg, assignor to Kohlenscheidungs-Gesellschaft m. b. H., Berlin, Germany. Boiler structure with pulverized-coal-burning furnace. 1,691,918; Nov. 20.
- Cantilever Wrench Corporation. (See Carnelli, F. J., and Morris, assors.)
- Cantin, Paul, Eastburg, Alberta, Canada. Cultivator. 1,677,329; July 17.
- Cantini S. Pio, Bogota, Colombia. Automatically-dirigible headlight for vehicles. 1,695,758; Dec. 18.
- Cantley, William I. (See Everett, I., and Cantley.)
- Canton Forge & Axle Company. (See Schneider, Laurence A., assignor.)
- Canton Foundry & Machine Company, The. (See Wesp, Edward J., assignor.)
- Cantono, Eugenio, Rome, Italy. Suspension of vehicles. 1,657,525; Jan. 31.
- Cantor, Jacob J., Los Angeles, Calif. Nose and mouth shield for diagnostic reflectors. 1,671,342; May 29.
- Cantor, Solomon, Brooklyn, N. Y. Handle or similar article. Des. 74,255; Jan. 17.
- Cantor, Solomon, Brooklyn, N. Y. Handle or similar article. Des. 74,256; Jan. 17.
- Cantor, Solomon, Brooklyn, N. Y. Fern stand or similar support. Des. 74,355; Feb. 7.
- Cantrell, Frank J., San Francisco, Calif. Plumbing fixture. 1,663,802; May 8.
- Cantrell, Frank J., San Francisco, Calif. Soap-dispensing device. 1,673,228; June 12.
- Cantrell, Frank J., San Francisco, Calif. Plumbing fixture. 1,679,561; Aug. 7.
- Cantrell, Isaac, and G. L. Marcum, Norton, Va. Garment hanger. 1,658,882; Feb. 14.
- Cantu, Tomas, Elgin, Tex. Garden roller. 1,676,941; July 10.
- Cantzier, Adolf. (See Günther, F., and Cantzier.)
- Canvas Products Corporation. (See Goodrick, Perry C., assignor.)
- Caparelli, Peter, Philadelphia, Pa. Stocking. 1,680,859; Aug. 14.
- Capdevila, Frank, New York, N. Y. Hair curler. 1,661,747; Mar. 6.
- Cape, Arthur T., Massillon, Ohio, assignor, by mesne assignments, to Midwest Metallurgical Corporation, New York, N. Y. Production of rimmed steel ingots. 1,672,446; June 5.
- Cape Cod Shop. (See Moore, Henry W.)
- Capek, Anton, Ord, Nebr. Figure wheeled toy. 1,681,093; Aug. 14.
- Capelluschnicoff, Matvey A., Baku, Russia. Apparatus for boring wells and the like. 1,681,094; Aug. 14.
- Capell, William H., Aberdeen, Md. Retractable landing light. 1,696,521; Dec. 25.
- Capers, Charles E. (See Capers, Isaac L., assignor.)
- Capers, Isaac L., Eastland, assignor to C. E. Capers, Amarillo, Tex. Air trap for pipe lines. 1,689,477; Oct. 30.
- Capes, Delbert R., Chicago, Ill., assignor to A-C Manufacturing Co., Inc. Brake mechanism for vehicles. 1,680,819; Aug. 14.
- Capezio, Salvatore, East Paterson, N. J. Ballet slipper and making the same. 1,693,174; Nov. 27.
- Capicotto, James V., Brooklyn, N. Y., assignor to Dubilier Condenser Corporation. Electric conductor and making same. 1,683,064; Sept. 4.
- Capital Caps Limited. (See Levinsky, Jacob, assignor.)
- Caplan, Isador A., Pittsburgh, Pa. Lock. 1,686,406; Oct. 2.
- Caplinger, John D., Newark, N. J., assignor to C. A. Kellogg, New York, N. Y. Web-printing machine. 1,695,271; Dec. 18.
- Caponegro, Angelo, and C. Pergola, New York, N. Y. Wrench. 1,660,414; Feb. 28.
- Cappella, Charles J., et al. (See Trimble, William O., assignor.)
- Capper, William B., Davis, W. Va. Rack for rolled goods. 1,672,447; June 5.
- Cappiello, Alexander R., New York, N. Y. Nonrefillable carton. 1,664,350; Mar. 27.
- Capps, Frank L., Milford, assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Support for electric pick-up. Des. 75,412; June 5.
- Caprin, Ilario, San Francisco, Calif. Heater. 1,683,527; Sept. 4.
- Caproni, Gianni, Rome, Italy. Centrifugal sucking and forcing pump. 1,658,705; Feb. 7.
- Caps, Arthur W., Kansas City, Mo., assignor, by mesne assignments, to Rhotostat Corporation, Providence, R. I. Drying press. 1,665,403; Apr. 10.
- Caps, Arthur W., Kansas City, Mo., assignor to Photostat Corporation, Providence, R. I. Photographic-copying machine. 1,695,481; Dec. 18.
- Caps, Arthur W., Kansas City, Mo., assignor to Photostat Corporation, Providence, R. I. Photographic-copying machine. 1,696,381; Dec. 25.
- Caps, Arthur W., and I. E. Leininger, Kansas City, Mo., assignors, by mesne assignments, to Photostat Corporation, Providence, R. I. Photographic copying machine. 1,692,544; Nov. 20.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Film-treating apparatus. 1,664,735; Apr. 3.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,672,845; June 5.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Diaphragm control for projection printers. 1,676,600; July 10.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographic color process. 1,687,055; Oct. 9.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Film-treating apparatus. 1,690,616; Nov. 6.
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Making duplicate negatives. 1,690,617; Nov. 6.
- Capstan Glass Company. (See Piazzoli, Louis P., Jr., assignor.)
- Capuano, Crescenzo, Los Angeles, Calif. Watch-lock attachment for pockets. 1,692,200; Nov. 20.
- Caracristi, Virginius Z., Bronxville, N. Y. Operating means for speed indicators or recorders for locomotives. 1,696,470; Dec. 25.
- Caracristi, Virginius Z., Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company. Combustion method and apparatus. 1,665,344; Apr. 10.
- Carbide and Carbon Chemicals Corporation. (See Curme, George O., Jr., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Curme, G. O., Jr., and Reid, assignors.)
- Carbide and Carbon Chemicals Corporation. (See Davidson, Joseph G., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Lommen, Fred W., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Massa, Robert F., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Ray, Arthur B., assignor.)
- Carbide and Carbon Chemicals Corporation. (See Ray, A. B., Doying, and Butkovsky, assignors.)
- Carbide and Carbon Chemicals Corporation. (See Thompson, Harold E., assignor.)
- Carbide & Carbon Chemicals Corporation. (See Young, Charles O., assignor.)
- Carboloid Products Corporation. (See Aiken, Edward L., assignor.)
- Carbondale Machine Company. (See McCabe, Edward B., assignor.)
- Carbondale Machine Company. (See Saffberg, Bror F., assignor.)
- Carbone, John, Syracuse, N. Y. Journal mounting. 1,659,080; Feb. 14.
- Carbo-Oxygen Company. (See Rose, James R., assignor.)
- Carborundum Company, The. (See Geiger, Charles F., assignor.)
- Carborundum Company, The. (See Johnson, Boyd M., assignor.)
- Carborundum Company, The. (See MacAulay, William T., assignor.)
- Carborundum Company, The. (See Manley, Ralph B., assignor.)
- Carborundum Company, The. (See Power, Henry R., assignor.)
- Carborundum Company, The. (See Proctor, Douglas M., assignor.)
- Carborundum Company, The. (See Tone, Frank J., assignor.)
- Card, Charles S., Denver, Colo. Boiler and bearing support therefor. 1,680,449; Aug. 14.
- Card, Don E., and H. Barnes, Portland, Oreg. Bookkeeping appliance. 1,669,809; May 15.
- Cardellino, Michelangelo M., Turin, Italy. Ignition apparatus for internal-combustion engines. 1,684,343; Sept. 11.
- Carden, Guy S. (See Hutchinson, G. N., and Carden.)
- Car Devices Company. (See Hannaford, Cleon M., assignor.)
- Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine-needle-controlling mechanism. 1,695,680; Dec. 18.
- Cardinell, John D. (See McCartie, Thomas D., assignor.)
- Cardoza, Antone J., Oakland, Calif. Temporary binder. 1,683,238; Sept. 4.
- Cardwell, Allen D., Rockville Center, N. Y. Variably controlling electrical instruments. 1,658,427; Feb. 7.
- Cardwell, Allen D., Rockville Center, N. Y. Variable air condenser. 1,672,367; June 5.
- Cardwell, Allen D., Rockville Center, N. Y. Transformer and inductance. 1,691,699; Nov. 13.
- Cardwell, Allen D., Rockville Center, N. Y. Variably controlling electrical instruments. 1,691,700; Nov. 13.
- Cardwell, Allen D., Rockville Center, N. Y. Electromagnet. 1,693,135; Nov. 27.
- Cardwell, James R., Chicago, Ill. Railway-car truck. 1,695,085; Dec. 11.
- Cardwell, James R., Chicago, Ill. Railway-car truck. 1,695,086; Dec. 11.

- Careful Carpet Cleaning Company. (See Brantley, Oliver W. and W. M., assignors.)
- Cares, Harry F., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blade fastening. 1,673,935; June 19.
- Carew, Lionel F. H., New Rochelle, N. Y. Power-operated cleaning brush. 1,657,880; Jan. 31.
- Carey, Arthur G., Bluefield, W. Va. Lamp shade for reading lights. 1,667,623; Apr. 24.
- Carey, John H., Portland, Oreg. Device for bending pipe or the like. 1,661,919; Mar. 6.
- Carey-McFall Co. (See Roukauf, Edward, jr., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Crabbs, George D., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Mills, George W., jr., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Pater, Carl J., assignor.)
- Carey, Philip, Manufacturing Company, The. (See Rogers, Homer L., assignor.)
- Carey, Raymond R. (See Lukens, W. L. and Carey.)
- Carhart, Elizabeth M., Jewell, Va. Closure means for bottles. 1,666,683; Apr. 17.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Brake-band-operating mechanism. 1,656,661; Jan. 17.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission mechanism. 1,672,868; June 5.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission gearing. 1,675,021; June 26.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Transmission gearing. 1,679,812; Aug. 7.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Clutch. 1,684,471; Sept. 18.
- Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Motion-transmitting mechanism. 1,696,623; Dec. 25.
- Carichoff, Eugene R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic device. 1,664,104; Mar. 27.
- Carini, Joseph, Old Forge, Pa. Wax-applying machine. 1,672,749; June 5.
- Carl, Rudolf, Vienna, Austria. Electrolytically separating the alloys of silver with other precious or base metals. 1,687,056; Oct. 9.
- Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Conveying device. 1,655,688; Jan. 10.
- Carle, Harold, Buffalo, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Cup dispenser. 1,657,879; Jan. 31.
- Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Machine for making paper boxes. 1,693,136; Nov. 27.
- Carless, Thomas, Haledon, N. J. Snow-removing machine. 1,696,592; Dec. 25.
- Carleton, Robert A., Newton, Mass. Electrical heating apparatus. 1,684,942; Sept. 18.
- Carley, Francis, Reid River, Queensland, Australia. Safety device for railway vehicles. 1,661,920; Mar. 6.
- Carley, Leta L., assignor of one-half to M. E. Scheiße, Neenah, Wis. Combined place card, nut cup, and tally card. 1,671,273; May 29.
- Carling, William T., Guildford, England. One-way clutch unit for change-speed gears. 1,672,673; June 5.
- Carling, William T., Guildford, England. Positive clutch. 1,677,705; July 17.
- Carlisle, Paul J. (See Magill, P. L., and Carlisle.)
- Carliss, Albert E., Floral Park, N. Y., assignor to Acme Air Appliance Co., Inc. Air-pressure gauge. 1,685,273; Sept. 25.
- Carlock, James J. (See Stern, C., and Carlock.)
- Carlsen, Andrew E. (See Shadrick, Richard H., assignor.)
- Carlsen, Einar F., Chicago, Ill. Automobile signal. 1,677,883; July 24.
- Carlsen, James V. (See Dayton, A. E., and Carlsen.)
- Carlsen, Leonard O. (See Head, E. C., Finsen, and Carlsen.)
- Carlsen, Thorval, Malad, Idaho. Weeder. 1,657,456; Jan. 31.
- Carlson, Albin, Degerhamn, Sweden. Briquetting. 1,666,618; Apr. 17.
- Carlson, Alexander. (See Pottingell, F. A., and Carlson.)
- Carlson, Alexander, Paqua, Ohio. Automobile body. 1,671,087; May 22.
- Carlson, Alexander, Detroit, Mich. Corner construction for closed vehicles. 1,686,897; Oct. 9.
- Carlson, Alexander, assignor to Dayton-Wright Company, Dayton, Ohio. Wind deflector. 1,673,793; June 19.
- Carlson, Alexander, assignor to Dayton-Wright Company, Dayton, Ohio. Automobile body construction. 1,676,476; July 10.
- Carlson, Alvin E., Nevis, Minn. Towel dispensing and storage cabinet. 1,681,840; Aug. 21.
- Carlson, Anthony E., Los Angeles, Calif. Rock-tunneling machine. 1,659,942; Feb. 21.
- Carlson, Anthony E., Los Angeles, Calif. Rotary bit. 1,661,715; Mar. 6.
- Carlson, Artie C. (See Myers, L. E., Carlson, and Bates.)
- Carlson, Artie C., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company and H. H. Rockwell, as trustees. Coaster-wagon steering gear. 1,665,729; Apr. 10.
- Carlson, Artie C., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company and H. H. Rockwell, trustees. Newsboy-wagon body. 1,670,712; May 22.
- Carlson, Axel F., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-hole-sewing machine. 1,694,093; Dec. 4.
- Carlson, C. Axel, Rockford, Ill. Overwind preventing means for spring-operated devices. 1,673,936; June 19.
- Carlson, Carl A., San Francisco, Calif. Windshield wiper. 1,677,018; July 10.
- Carlson, Carl A., Edmonton, Alberta, Canada. Gate construction. 1,677,330; July 17.
- Carlson, Carl A. J., Jamestown, N. Y. Toy aeroplane. 1,671,225; May 29.
- Carlson, Carl E., and A. C. Grunwald, assignors to Precision Metal Workers, Chicago, Ill. Flowerpot. Des. 75,829; July 24.
- Carlson, Charles A., Long Beach, Calif. Gas anchor. 1,662,296; Mar. 13.
- Carlson, Charles A., Long Beach, Calif. Gas anchor. 1,682,114; Aug. 28.
- Carlson, Charles G., Chicago, Ill. Curtain stretcher. 1,669,926; May 15.
- Carlson, Charles N., Virginia, Minn. Storm-sash fastener. 1,654,575; Jan. 3.
- Carlson, Chester L., Crockett, Calif. Apparatus for washing sugar and the like. 1,669,927; May 15.
- Carlson, Edward, Buffalo, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index device. 1,686,731; Oct. 9.
- Carlson, Edwin E., and L. A. Stead, Chester, Pa. Warp-dyeing machine. 1,681,516; Aug. 21.
- Carlson, Edwin E., and L. A. Stead, Chester, Pa. Dyeing yarn. 1,691,701; Nov. 13.
- Carlson, Edwin E., and L. A. Stead, Chester, Pa. Apparatus for preparing warp yarn for dyeing. 1,691,702; Nov. 13.
- Carlson, Einar C., Two Harbors, Minn. Crowbar attachment. 1,666,842; Apr. 17.
- Carlson, Eloy L., assignor to The E. Ingraham Co., Bristol, Conn. Producing gong stands for clocks. 1,695,087; Dec. 11.
- Carlson, Enoch A., Delvalle, Tex. Twine holder. 1,665,127; Apr. 3.
- Carlson, Frank W., Chicago, Ill. Floor-drain valve. 1,681,394; Aug. 21.
- Carlson, Fritz N., Minneapolis, Minn. Shelf fixture. 1,681,218; Aug. 21.
- Carlson, Gustave A., Detroit, Mich. Lever sash regulator. 1,661,652; Mar. 6.
- Carlson, Gustave A., Detroit, Mich. Sash-regulating device. 1,671,571; May 29.
- Carlson, Hjalmar, Duluth, Minn. Jack. 1,673,394; June 12.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Making valve lifters. 1,663,191; Mar. 20.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Concrete hanger block. 1,667,532; Apr. 24.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Concrete hanger block. 1,667,533; Apr. 24.
- Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Constant-alarm device for alarm valves. 1,679,404; Aug. 7.
- Carlson, Ivan E., Watertown, and L. R. Churchill, Wollaston, Mass. Oil burner. 1,691,541; Nov. 13.
- Carlson, Jesse S. (See Buhr, F. E., and Carlson.)
- Carlson, Johannes R., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,669,283; May 8.
- Carlson, Johannes R., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,690,052; Oct. 30.
- Carlson, John E., and W. G. Nordman, Elkhart, Ind. Closure structure. 1,662,361; Mar. 13.
- Carlson, Nelson A., assignor to Erie Meter Systems, Inc., Erie, Pa. Tank-discharge-controlling mechanism. 1,694,407; Dec. 11.
- Carlson, Nelson A., assignor to Erie Meter Systems, Inc., Erie, Pa. Safety device for gasoline filling stations. 1,696,540; Dec. 25.
- Carlson, Nelson A., assignor to Erie Meter Systems, Inc., Erie, Pa. Controlling mechanism for gasoline tanks. 1,696,541; Dec. 25.
- Carlson, Oscar, et al. (See Johnson, Matts, assignor.)
- Carlson, Oscar, Minneapolis, Minn. Combined mop head and wringer. 1,683,655; Sept. 11.
- Carlson, Ralph G., assignor to Crane Co., Chicago, Ill. Quick-opening gate valve. 1,688,686; Oct. 23.
- Carlson, Seth, assignor to Weller Manufacturing Company, Chicago, Ill. Shovel-operating mechanism. 1,663,292; Mar. 20.
- Carlson, Signe, Chicago, Ill. Comb for long bobs. 1,679,895; Aug. 7.
- Carlson, Sperling. (See von Felden, Roy, assignor.)
- Carlson, Vernier J. (See Brannstrom, G. V., and Carlson.)

- Carlson, Walter C., assignor to Milwaukee Paper Box Company, Milwaukee, Wis. Dispensing display device. 1,670,797; May 22.
- Carlson, Walter C., assignor to Milwaukee Paper Box Company, Milwaukee, Wis. Picture-display device for candy boxes or the like. 1,678,722; July 31.
- Carlson, Wendell L., Schenectady, N. Y. High-frequency apparatus. 1,680,086; Aug. 7.
- Carlson, Wendell L., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,687,540; Oct. 16.
- Carlson, Wilhelm G., and O. Johnson, assignors to The Furniture Hardware Corporation, Jamestown, N. Y. Drawer pull. Des. 74,778; Mar. 27.
- Carlsson, Ernst H., Oscarshamn, Sweden. Machine for ramming paving stones and the like. 1,680,450; Aug. 14.
- Carlsson, Ernst H., Oscarshamn, Sweden. Paving rammer. 1,684,574; Sept. 18.
- Carlsson, Ernst H., Oscarshamn, Sweden. Machine for ramming paving stones and the like. 1,693,221; Nov. 27.
- Carlsson, Frans O. (See Öhlin, E. A., and Carlsson.)
- Carlstedt, Ragnar, Stockholm, Sweden, assignor to Arca Regulators Incorporated, New York, N. Y. Regulator. 1,655,219; Jan. 3.
- Carlstedt, Ragnar, Stockholm, Sweden, assignor to Arca Regulators, Incorporated, New York, N. Y. Electric power regulation. 1,666,438; Apr. 17.
- Carlston, William S., Kokomo, Ind., assignor to Byrne, Kingston & Co. Regenerator manifold. 1,678,327; July 24.
- Carlstrom, Carl A., New York, N. Y., assignor, by mesne assignments, to Automatic Pencil Vending Machine Corporation, Houston, Tex. Vending machine for pencils and the like. 1,671,853; May 29.
- Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Clutch mechanism for reversing gear. 1,683,528; Sept. 4.
- Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Transmission for radial drill arms, elevating mechanism, and drill spindles. 1,684,344; Sept. 11.
- Carlton, James A., St. Louis, Mo. Paper jogger. 1,694,499; Dec. 11.
- Carlton, James A., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Safety device for elevators. 1,694,731; Dec. 11.
- Carlton Machine Tool Company, The. (See Carlton, Jack C., assignor.)
- Carlton, Richard P., St. Paul, Minn., assignor, by mesne assignments, to The Stratmore Company, Cleveland, Ohio. Abrasive article. 1,686,898; Oct. 9.
- Carman, John R. (See Johnston, W. B., and Carman.)
- Carman, James H. (See Carman, Samuel M. and J. H.)
- Carman, James H., Kansas City, Mo. Electric heater. 1,654,860; Jan. 3.
- Carman, James H., Kansas City, Mo. Fuse. 1,663,333; Mar. 20.
- Carman, Samuel M. and J. H., Kansas City, Mo. Electric heater. 1,661,282; Mar. 6.
- Carmer, Clark H., Williamsville, N. Y. Telephone-receiver support. 1,690,475; Nov. 6.
- Carmichael, Andrew J., assignor to The Greist Manufacturing Company, New Haven, Conn. Base for portable lamps. 1,686,551; Oct. 9.
- Carmichael, Andrew J., and O. Balzano, assignors to The Greist Manufacturing Company, New Haven, Conn. Portable lamp. 1,671,510; May 29.
- Carmichael, Cecil C., San Diego, Calif. Hunting boat. 1,657,786; Jan. 31.
- Carmichael, John R., Dormont, Pa. Bowling pin. 1,679,072; July 31.
- Carmichael, John R., Dormont, Pa. Billiard cue. 1,679,073; July 31.
- Carmichael, William F., assignor to New Way Motor Company, Lansing, Mich. Turbine-fan structure. 1,687,541; Oct. 16.
- Carmona, Frederick A., and A. M. Sands, Berkeley, assignors to Carmona-Sands Corporation, San Francisco, Calif. Liquid-level indicator. 1,665,530; Apr. 10.
- Carmona-Sands Corporation. (See Carmona, F. A., and Sands, assignors.)
- Carnahan, George H., Long Beach, Calif., assignor to Intercontinental Rubber Products Corporation, Wilmington, Del. Method of and apparatus for treating gumlike substances. 1,671,570; May 29.
- Carnahan, Paul A. (See Dickey, R. S., and Carnahan.)
- Carnahan, Thomas S., Ogden, Utah, assignor to Union Minière du Haut-Katanga, Société Congolaise, Elisabethville, Belgian Congo Colony, Africa. Concentration of oxidized ores. 1,671,698; May 29.
- Carnell, Francis J., Newark, N. J. Chain wrench. 1,659,390; Feb. 14.
- Carnell, Francis J., and R. B. Morris, Newark, N. J. assignors, by mesne assignments, to Cantilever Wrench Corporation. Wrench. 1,659,081; Feb. 14.
- Carnes, Almus T., Kansas City, Mo. Hose nozzle. 1,695,452; Dec. 18.
- Carney, Elizabeth, assignor to Franklin Simon & Company, Inc., New York, N. Y. Coat. Des. 76,981; Nov. 27.
- Carney, Frank V. (See Currie, Otis C., assignor.)
- Carney, Joseph D., Chicago, Ill. Sign character and securing means therefor. 1,691,638; Nov. 13.
- Carney, Samuel C., Tulsa, Okla., assignor to Roxana Petroleum Corporation. Making ice crystals. 1,664,850; Apr. 3.
- Carnine, Arba I., North Madison, Ind. Oil burner. 1,689,113; Oct. 23.
- Carns, Edmund B., New York, N. Y. Landing gear for flying machines. 1,685,119; Sept. 25.
- Carns, Edmund B., New York, N. Y. Nut lock. 1,685,120; Sept. 25.
- Carns, Edmund B., New York, N. Y. Fuselage. 1,685,121; Sept. 25.
- Carns, Edmund B., New York, N. Y. Aircraft chassis. 1,685,122; Sept. 25.
- Caro, Abraham. (See Horton, W. E., and Caro.)
- Caro Cloth Corporation. (See Walsh, Patrick H., assignor.)
- Caron, Arthur J., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Shingled roof. Des. 77,218; Dec. 18.
- Caron, Desire, Grand Rapids, Mich. Dowel machine. 1,668,004; May 1.
- Caron, Samuel U., Chicago, Ill. Combined mirror and support. Des. 76,289; Sept. 11.
- Carothers, John N., Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Making tri-sodium phosphate. 1,689,547; Oct. 30.
- Carothers, John N., and C. F. Booth, Anniston, assignors to Federal Phosphorus Company, Birmingham, Ala. Production of sodium bisulphate. 1,693,947; Dec. 4.
- Carothers, Robert M., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,672,674; June 5.
- Carp, Louis, and B. and F. Becker, New York, N. Y. Button. 1,658,514; Feb. 7.
- Carpe, Allen, New York, N. Y., assignor to American Telephone and Telegraph Company. Secrecy signaling system. 1,676,321; July 10.
- Carpender, Guy E. (See Lucas, Z. R., and Carpenter.)
- Carpenter, Arthur H., La Grange, and P. C. Huntley, Riverside, Ill., assignors to The Vitrolite Company, Parkersburg, W. Va. Decorated glass and making same. 1,658,015; Jan. 31.
- Carpenter, Campbell C., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Storage-battery construction. 1,665,772; Apr. 10.
- Carpenter, Charles A., London, England. Detachable lock. 1,679,648; Aug. 7.
- Carpenter, Charles C., Cincinnati, Ohio, assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Filing cabinet. 1,658,223; Feb. 7.
- Carpenter, Charles R., Minneapolis, Minn. Machine for forming and baking pastry shells. 1,674,033; June 19.
- Carpenter, Cranston H., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,695,950; Dec. 18.
- Carpenter, Eugene B., Ansonville, N. C. Wrench. 1,660,989; Feb. 28.
- Carpenter, Forrest C., Chicago, Ill. Antiskid chain. 1,670,528; May 22.
- Carpenter, Francis W., Minneapolis, assignor of one-half to M. H. Graham, St. Louis Park, Minn. Cigarette case. 1,692,545; Nov. 20.
- Carpenter, Frank D., assignor, by mesne assignments, of one-half to A. H. Hough, Concord, N. H. Shaft lock for automobiles. 1,668,395; May 1.
- Carpenter, Fred J., St. Louis, Mo. Toy bomb. 1,663,679; Mar. 27.
- Carpenter, Frederick P., San Diego, Calif. Vehicle direction signal. 1,691,431; Nov. 13.
- Carpenter, Glenn W., Washington, D. C. Utilization of alternating currents for radiosignaling. 1,671,969; June 5.
- Carpenter, Glenn W., Palo Alto, Calif. Liquid rectifier. 1,671,970; June 5.
- Carpenter, Grant, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Zero corrector. 1,661,214; Mar. 6.
- Carpenter, Hamilton C., Elizabeth, N. J., assignor to American Copper Products Corporation, New York, N. Y. Flexible electric conductor. 1,688,303; Oct. 16.
- Carpenter, Henry F., Basil, Ohio. Distributor for motor-vehicle heaters. 1,658,881; Feb. 14.
- Carpenter, Herbert L., Brooklyn, N. Y. Water and grease proof container. 1,656,095; Jan. 10.
- Carpenter, James C., jr. (See Major, W. W., and Carpenter.)
- Carpenter, James M. (See Daniels, C. W., and Carpenter.)
- Carpenter, John C., Oswego, Kans. Holder for ledger sheets. 1,688,264; Oct. 16.
- Carpenter, Paul. (See Dellenbarger, Charles E., assignor.)
- Carpenter, Robert F., Cleveland Heights, assignor to The Sanymetal Products Company, Cleveland, Ohio. Forming pressed-metal hinges. 1,691,109; Nov. 13.
- Carpenter, Robert F., and T. F. Anderson, assignors to The Sanymetal Products Company, Cleveland, Ohio. Partition structure. 1,667,534; Apr. 24.
- Carpenter, Russell, Three Rivers, Quebec, Canada. Rope-guiding bracket for paper-making machines. 1,660,917; Feb. 28.
- Carpenter, Teunauski Z., Providence, R. I. Gauge. 1,695,453; Dec. 18.

- Carpenter, Warren W., Queens Village, assignor to Western Electric Company, Incorporated, New York, N. Y. Restricted-service telephone-exchange system. 1,690,214; Nov. 6.
- Carpenter, William A., assignor of one-half to C. H. Campbell, Hartsville, S. C. Pressure mechanism for roll stands. 1,683,583; Sept. 4.
- Carpenter, William C., San Francisco, Calif. Fuel-briquette forming and drying machine. 1,655,534; Jan. 10.
- Carpenter, William C., San Francisco, Calif. Fuel-briquette machine. 1,655,535; Jan. 10.
- Carpenter, William C., Los Angeles, Calif. Drier. 1,655,724; Jan. 10.
- Carpenter, William J., and F. Shanley, Chicago, Ill. Plumb rule. 1,683,065; Sept. 4.
- Carpentier, Ateliers J., et al. (See Verdan, C., and Loiseau, assignors.)
- Carpinetti, Arnaldo, Buenos Aires, Argentina. High-duty petroleum stove. 1,692,075; Nov. 20.
- Carpio, Carlos, New York, N. Y. Propelling mechanism for boats. 1,665,053; Apr. 3.
- Carpmael, Richard H., Moulton, England. Closure for containers. 1,667,770; May 1.
- Carpmael, Richard H., Moulton, England. Closure for containers. 1,672,055; June 5.
- Carpmael, Richard H., Moulton, England. Motor-vehicle radiator. 1,692,721; Nov. 20.
- Carpmill, John F., assignor to North & Judd Manufacturing Company, New Britain, Conn. Fastener. 1,659,480; Feb. 14.
- Carr, Aloysius J., Carthage, Ind., assignor to F. X. Hooper Company, Glenarm, Md. Cutting, creasing, and slotting machine. 1,669,859; May 15.
- Carr, Arthur J., et al. (See Foster, Clarence B., assignor.)
- Carr, Daniel C., Chicago, Ill. Necktie guide. 1,668,628; May 8.
- Carr, Edward G., Chicago, Ill. Road-form connection. 1,676,477; July 10.
- Carr, Edward G., Chicago, Ill., assignor to The Lakewood Engineering Company, Lakewood, Ohio. Finishing machine. 1,665,054; Apr. 3.
- Carr, Edward G., Chicago, Ill., assignor to The Lakewood Engineering Company, Lakewood, Ohio. Concrete-road machine. 1,677,877; July 17.
- Carr, Edward G., Milwaukee, Wis., assignor to The Lakewood Engineering Company, Lakewood, Ohio. Concrete-road machine. 1,678,624; July 24.
- Carr, Edward G., Shorewood, Wis., assignor to The Lakewood Engineering Company, Lakewood, Ohio. Concrete-road machine. 1,683,382; Sept. 4.
- Carr Fastener Company. (See Boynton, Solon D., assignor.)
- Carr Fastener Company. (See Carr, Fred S., assignor.)
- Carr Fastener Company. (See Carr, Moses F., assignor.)
- Carr Fastener Company. (See Johnson, Alfred F., assignor.)
- Carr Fastener Company. (See Johnson Gustav, assignor.)
- Carr Fastener Company. (See Pierce, Walter H., assignor.)
- Carr Fastener Company. (See Walters, Rollo F., assignor.)
- Carr, Frank T., Hardwick, Vt. Vehicle lamp closure plate. Des. 76,290; Sept. 11.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,656,035; Jan. 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,656,036; Jan. 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,656,037; Jan. 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,656,038; Jan. 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,656,039; Jan. 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,656,040; Jan. 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,660,432; Feb. 28.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,663,240; Mar. 20.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,664,351; Mar. 27.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,670,279; May 15.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,670,280; May 15.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,670,281; May 15.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,670,282; May 15.
- Carr, Fred S., Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,675,787; July 3.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,675,788; July 3.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,675,789; July 3.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,675,790; July 3.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,675,791; July 3.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,675,792; July 3.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,676,382; July 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,676,383; July 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,677,097; July 10.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,677,558; July 17.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,685,061; Sept. 18.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,685,062; Sept. 18.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,685,063; Sept. 18.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,690,662; Nov. 6.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,690,663; Nov. 6.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,690,664; Nov. 6.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,690,665; Nov. 6.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Snap fastener. 1,690,666; Nov. 6.
- Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Shiftable nut fastening. 1,694,580; Dec. 11.
- Carr, Henry W., San Francisco, Calif. Recovering values by evaporation. 1,694,841; Dec. 11.
- Carr, Moses F. (See Murphy, H. J., and Carr.)
- Carr, Moses F., Lexington, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Dust cap for lubricant-receiving nipples. 1,655,179; Jan. 3.
- Carr, Moses F., Lexington, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,676,424; July 10.
- Carr, Moses F., Lexington, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,680,244; Aug. 7.
- Carr, Moses F., Brookline, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,658,156; Feb. 7.
- Carr, Moses F., Brookline, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,690,400; Nov. 6.
- Carr, Raymond F. (See Adamson, Max, assignor.)
- Carr, Richard H., and C. B. Watson, Columbus, Ohio, assignors to The Pure Oil Company, Chicago, Ill. Temperature controller for oil-separating towers. 1,678,328; July 24.
- Carr, Robert E., Sterling, Kans. Oiling and protecting case for vehicle springs. 1,655,310; Jan. 3.
- Carr, Robert P., assignor to U. S. Hame Company, Buffalo, N. Y. Manufacturing bits. 1,674,318; June 19.
- Carr, Thomas B., Midwest, Wyo. Multiple template. 1,683,953; Sept. 11.
- Carraccio, Giovanni, Genoa, Italy. Apparatus for electroplating. 1,655,781; Jan. 10.
- Carragher, Henry N., Fall River, Mass. Safety lock. 1,677,617; July 17.
- Carraine, Eugene. (See Bradshaw, Charles T., assignor.)
- Carrel, Eleanor P., Elizabeth, N. J. Figure oracle. 1,658,967; Feb. 14.
- Carrell, Hammel H., assignor of one-half to S. N. Jackson, Lubbock, Tex. Gas burner. 1,684,575; Sept. 18.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Valve. 1,657,739; Jan. 31.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Expansion valve. 1,657,740; Jan. 31.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Disk valve. 1,657,741; Jan. 31.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Refrigerator. 1,657,742; Jan. 31.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Fluid compressor. 1,658,224; Feb. 7.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Cooling tank. 1,679,292; July 31.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Multiple fly wheel and centrifugal clutching mechanism therefor. 1,683,954; Sept. 11.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Belt drive for refrigerating machines. 1,683,955; Sept. 11.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Compressor. 1,686,899; Oct. 9.

- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Bearing and seal for same. 1,689,912; Oct. 30.
- Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Multiple flywheel. 1,689,913; Oct. 30.
- Carrey, John O., assignor to C. & C. Engineering Company, Inc., St. Louis, Mo. Gyrotory pump. 1,685,397; Sept. 25.
- Carrey, John O., assignor to C & C Engineering Co. Inc., St. Louis, Mo. Condenser for refrigerating apparatus. 1,691,180; Nov. 13.
- Carrey-Morse Engineering Company. (See Carrey, John O., assignor.)
- Carrier, Albert H., Ashville, N. C. Casement-window attachment. 1,681,798; Aug. 21.
- Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)
- Carrier Engineering Corporation. (See Le Grand, Joseph M., assignor.)
- Carrier, Willis H., Essex Fells, N. J., assignor to Buffalo Forge Company, Buffalo, N. Y. Cooling system. 1,687,542; Oct. 16.
- Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Stuffing box or sealing means for compressors and the like. 1,695,320; Dec. 18.
- Carringer, James R., Hillside, N. J., assignor to Standard Oil Development Company. Control of pyrolytic conversion. 1,656,724; Jan. 17.
- Carroll, Andrew L., St. Louis, Mo. Axle bearing. 1,669,598; May 15.
- Carroll, Bradish J., assignor to M. B. Carroll, New York, N. Y. Tray. 1,660,743; Feb. 28.
- Carroll, Charles F. (See Carroll, James O., assignor.)
- Carroll Corporation. (See Carroll, Edward M., assignor.)
- Carroll, Crafton C. (See Smith, G. W., and Carroll.)
- Carroll, Daniel, Columbus, Ohio. Lock for antiskid chains. 1,656,168; Jan. 17.
- Carroll, Edward M., Sanford, Fla., assignor to Carroll Corporation, Atlanta, Ga. Slide arch brick. Re17,052; July 31.
- Carroll, Elbert H., West Boylston, assignor to Morgan Construction Company, Worcester, Mass. Coil-handling apparatus. 1,655,180; Jan. 3.
- Carroll, Elbert H., West Boylston, assignor to Morgan Construction Company, Worcester, Mass. Manufacture of gears. 1,673,799; June 19.
- Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for treating fabrics. 1,675,160; June 26.
- Carroll, Emil J., Norwood, assignor to The American Laundry Machinery Company, Norwood Station, Ohio. Padding. 1,682,483; Aug. 28.
- Carroll, Emil J., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Electric garment press. 1,682,484; Aug. 28.
- Carroll, Emil J., and W. P. Beattie, Norwood, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Operating garment presses in tandem or group. 1,672,303; June 5.
- Carroll, Emil J., and G. W. Johnson, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Psychrometer. 1,671,103; May 29.
- Carroll, Emil J., Norwood, and G. W. Johnson, Bond Hill, assignors to The American Laundry Machinery Company, Norwood Station, Ohio. Laundry-marking tag. 1,687,361; Oct. 9.
- Carroll, Fred M., assignor to The Tabulating Machine Company, Endicott, N. Y. Machine for photographically printing on cylinders. 1,661,560; Mar. 6.
- Carroll, Fred M., Yonkers, assignor to The Tabulating Machine Company, Endicott, N. Y. Record-feeding machine. 1,691,919; Nov. 20.
- Carroll, Houston M., sr., San Antonio, Tex. Flask clamp. 1,687,195; Oct. 9.
- Carroll, J. B., Company. (See Des Enfants, Ernest C., assignor.)
- Carroll, Jackson D., Little Blue, Mo. Trackman's car. 1,669,860; May 15.
- Carroll, James H. (See Myers, J. T., and Carroll.)
- Carroll, James O., Pittsfield, Ill., assignor of fifty-one per cent to C. P. Carroll, Kansas City, Mo. Clothespin. 1,692,076; Nov. 20.
- Carroll, John B., Oak Park, Ill. Advertising or display device. 1,658,968; Feb. 14.
- Carroll, John G., assignor to Walker Vehicle Co., Chicago, Ill. Vehicle control. 1,691,046; Nov. 13.
- Carroll, Joseph, Brooklyn, assignor to Spadone Machine Company, Inc., New York, N. Y. Apparatus for applying spiral wrappings. 1,670,061; May 15.
- Carroll, Joseph, Brooklyn, assignor to Spadone Machine Company, Inc., New York, N. Y. Machine for printing, winding, and packing. 1,670,062; May 15.
- Carroll, Joseph F., Denver, Colo. Composite character. 1,660,254; Feb. 21.
- Carroll, Joseph F., Denver, Colo. Template. 1,668,396; May 1.
- Carroll, Joseph J., New York, assignor of one-third to H. W. Faerber, Forest Hills, N. Y., and one-third to C. E. Cronin, Linden, N. J. Attachment for printing presses. 1,671,343; May 29.
- Carroll, Louis W., Riverside, assignor of one-half to G. Muffy, Chicago, Ill. Steam-heating system. 1,696,028; Dec. 18.
- Carroll, Marion B. (See Carroll, Bradish J., assignor.)
- Carroll, Monroe W., Beaumont, Tex. Pump plunger. 1,671,978; June 5.
- Carroll, Robert A. (See Elliott, H. L., and Carroll.)
- Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,658,369; Feb. 7.
- Carroll, Wells W., and S. W. Nicholson, assignors to The Dura Company, Toledo, Ohio. Roller for window-control mechanism. 1,667,031; Apr. 24.
- Carroll, William J., West Haven, assignor to Sargent & Company, New Haven, Conn. Lock. 1,674,759; June 26.
- Carroll, William J., West Haven, assignor to Sargent & Company, New Haven, Conn. Panic bolt. 1,674,760; June 26.
- Carroll, William J., West Haven, assignor to Sargent & Company, New Haven, Conn. Panic bolt. 1,677,271; July 17.
- Carroll, William M. (See Pierce, E. M., and Carroll.)
- Carrom Company, The. (See Haskell, Henry L., assignor.)
- Carrott, William F., Oshkosh, Wis. Cleaning tool. 1,658,706; Feb. 7.
- Carruthers, George, Toronto, Ontario, Canada. Cabinet for dispensing folded paper sheets. 1,692,156; Nov. 20.
- Carson, Clarence M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Preparing dithiazyl disulphide. 1,661,998; Mar. 6.
- Carson, Clarence M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric and treating same. 1,683,759; Sept. 11.
- Carson, Francis L., Berkeley, Calif. Mixing metallic salt in asphaltic compounds. 1,677,272; July 17.
- Carson, Harry Y., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Well casing. 1,678,280; July 24.
- Carson, Ira, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Inking mechanism for printing presses. 1,675,448; July 3.
- Carson, J. H., et al. (See Carter, Samuel C., assignor.)
- Carson, John R., Scarsdale, N. Y., assignor to American Telephone and Telegraph Company. Translating circuit. 1,672,056; June 5.
- Carson, Joseph F. (See Spinelle, Michael B., assignor.)
- Carson, Lamoine S. (See Barbour, C. W., and Carson.)
- Carson, William W., jr., assignor, by mesne assignments, to The Fulton Syphon Company, Knoxville, Tenn. Remote-control pilot valve. 1,671,511; May 29.
- Carssow, Felix H., Vallejo, Calif. Optical instrument. 1,690,270; Nov. 6.
- Carstens, H., Mfg. Co. (See Carstens, Herbert H., assignor.)
- Carstens, H., Mfg. Co. (See Joslyn, Dayton S., assignor.)
- Carstens, Hans. (See Müller, W. J., Carstens, and Drucker.)
- Carstens, Herbert H., Oak Park, assignor to H. Carstens Mfg. Co., Chicago, Ill. Vaginal douche. 1,666,684; Apr. 17.
- Carstens, John F., Santa Monica, Calif. Butt gauge. 1,654,786; Jan. 3.
- Carstens, W. H. (See Kenney, Myron E., assignor.)
- Carter, Alva J., assignor to Carter Radio Company, Chicago, Ill. Plug. 1,668,583; May 8.
- Carter, Carrol C., Cairo, Ill. Neck yoke. 1,662,737; Mar. 13.
- Carter, Clarence W., Minneapolis, Minn. Grain separator. 1,690,595; Nov. 6.
- Carter, Clarence W., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Dockage tester. 1,676,519; July 10.
- Carter, Clarence W., Robbinsdale, and C. P. Strite, Minneapolis, Minn.; said Strite assignor to said Carter. Apparatus for broiling meat. 1,656,662; Jan. 17.
- Carter, Clarence W., and C. P. Strite, Minneapolis, Minn.; said Strite assignor to said Carter. Apparatus for frying bacon. 1,656,663; Jan. 17.
- Carter, Donald M., et al. (See Ross, Warren A., assignor.)
- Carter, Edward. (See Treglown, G. H., and Carter.)
- Carter, Edward B., Boston, Mass. Stringing machine. 1,695,796; Dec. 18.
- Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. High-frequency duplex signaling system. 1,696,566; Dec. 25.
- Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. High-frequency duplex signaling system. 1,696,593; Dec. 25.
- Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. High-frequency duplex signaling system. 1,696,595; Dec. 25.
- Carter, Ernest, Melrose Highlands, Mass. Humidifier for internal-combustion engines. 1,696,752; Dec. 25.
- Carter, Floyd, Gridley, Ill. Harvesting machine for soy beans and the like. 1,676,521; July 10.
- Carter, Floyd B., assignor to The Fate Root Heath Company, Plymouth, Ohio. Drive for industrial locomotives. 1,660,475; Feb. 28.
- Carter, George H., Boston, Mass. Dish holder. Des. 76,377; Sept. 25.
- Carter, George R., Company, The. (See Creamer, Edgar R., assignor.)
- Carter, Hazel H., Norwood, Ohio. Can opener. 1,676,520; July 10.

- Carter, John D., Lansdowne, Pa. Composite board. 1,676,727; July 10.
- Carter, John D., Lansdowne, Pa. Waterproof cementitious composition. 1,681,570; Aug. 21.
- Carter, John J., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Manufacture of commutator clamping rings. 1,673,800; June 19.
- Carter, John J., Lansing, Mich., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Making commutators. 1,693,997; Dec. 4.
- Carter, Joseph P., Los Angeles, Calif. Vehicle signaling means. 1,683,818; Sept. 11.
- Carter, Lucious, Detroit, Mich. Vehicle hand signal. 1,659,082; Feb. 14.
- Carter-Mayhew Manufacturing Company. (See Carter, Clarence W., assignor.)
- Carter-Mayhew Manufacturing Co. (See Ingraham, Charles C., assignor.)
- Carter-Mayhew Manufacturing Company. (See Mayhew, Joseph H., assignor.)
- Carter-Mayhew Manufacturing Company. (See Pocock, Merton A., assignor.)
- Carter-Mayhew Manufacturing Co. (See Varusky, John J., assignor.)
- Carter, Oscar M., Houston, Tex. Core barrel. 1,657,368; Jan. 24.
- Carter, Paul E., Bronxville, assignor to General Railway Signal Company, Gates, N. Y. Light signal. 1,667,469; Apr. 24.
- Carter Radio Company. (See Carter, Alva J., assignor.)
- Carter, Ray L., Phoenix, N. Y. Guide for router bits. 1,657,659; Jan. 31.
- Carter, Ray L., Phoenix, N. Y. Tool-grinding mechanism. 1,658,185; Feb. 7.
- Carter, Ray L., Phoenix, N. Y. Template for guiding routers. 1,679,074; July 31.
- Carter, Richard H. (See Perl, A. H. F., and Carter.)
- Carter, Samuel C. (See Austin, George C., assignor.)
- Carter, Samuel C., assignor of one-third to A. Robinson and one-third to J. H. Carson, Los Angeles, Calif. Pumping apparatus. 1,688,484; Oct. 23.
- Carter, Theodore, Valley Stream, N. Y. Vamp easer. 1,674,499; June 19.
- Carter, Theodore, Valley Stream, N. Y. Vamp easer. 1,674,500; June 19.
- Carter, William C., Flint, Mich. Pump diaphragm. 1,695,534; Dec. 18.
- Carter, William J., Jr., Akron, Ohio. Stretching frame for sheet material. 1,686,368; Oct. 2.
- Carter, William O., Flint, Mich. Liquid-fuel-pumping apparatus. 1,695,535; Dec. 18.
- Carter, William W., Needham, assignor of one-half to H. T. Nelson, Boston, Mass. Cellulose product and producing such product. 1,693,573; Nov. 27.
- Carter, Willis M., Weehawken, N. J., assignor to The W. F. Powers Company, New York, N. Y. Mounting machine. 1,658,016; Jan. 31.
- Carter's Ink Company, The. (See La France, David J., assignor.)
- Carthage Mills Incorporated. (See Campbell, John B., assignor.)
- Carthage Mills Incorporated. (See Campbell, Nell L., assignor.)
- Cartier Limited. (See Downes, Andrew, assignor.)
- Cartledge, Frank, Cincinnati, Ohio, assignor to Sullivan Machinery Company. Mining machine. 1,680,246; Aug. 7.
- Cartledge, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,684,943; Sept. 18.
- Cartolito, Cesare, et al. (See Tanner, Jacob, assignor.)
- Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Electric incandescent lamp. 1,696,594; Dec. 25.
- Cartwright, Arthur W., South Euclid, Ohio, assignor to Richardson Corporation, Rochester, N. Y. Dispensing apparatus for carbonated beverages. 1,670,340; May 22.
- Cartwright, David J., New York, N. Y.; R. S. Cartwright, Washington, D. C., administrator. Fuel atomizing and vaporizing apparatus. 1,655,810; Jan. 10.
- Cartwright, J., & Son. (See Asher, Wade H., assignor.)
- Cartwright, James M., Clarksdale, Miss. Radio receiving circuit. 1,685,043; Sept. 18.
- Cartwright, John M. (See Asher, Wade H., assignor.)
- Cartwright, Richard S., administrator. (See Cartwright, David J.)
- Carly, Richard S., assignor of one-half to C. B. Robinson, Detroit, Mich. Device for displaying automobile numbers. 1,677,580; July 17.
- Cartzdafner, Roy E., Passaic, N. J. Dump-car-door-locking device. 1,663,475; Mar. 20.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Electrical connector for toy railway tracks. 1,658,039; Feb. 7.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy car-truck construction. 1,670,650; May 22.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Lamp socket. 1,671,226; May 29.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy railroad. 1,671,227; May 29.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Headlight for toy locomotives. 1,672,871; June 12.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Contact mechanism for toy railroads. 1,674,275; June 19.
- Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Spring binding post. 1,636,958; Oct. 9.
- Caruth, William A., Los Angeles, Calif. Gun cartridge. 1,669,969; May 15.
- Caruthers, Eugene W., Secane, Pa. Rail joint. 1,695,839; Dec. 18.
- Carvajal de Castro, Miguel A. (See de Castro, Miguel A. C.)
- Carvalho, Leslie R. N., Toledo, Ohio. Closure device. 1,685,227; Sept. 25.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Closure for bottles and jars. 1,657,710; Jan. 31.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Closure device. 1,674,615; June 19.
- Carvalho, Leslie R. N., assignor, to The Closure Service Company, Toledo, Ohio. Bottle closure. 1,674,616; June 19.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Receptacle closure. 1,680,763; Aug. 14.
- Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Bottle cap. 1,686,514; Oct. 9.
- Carver, C. R., Company. (See Fellows, Walter C., assignor.)
- Carver, Charles B., Elk Rapids, Mich. Rim-contracting tool. 1,671,667; May 29.
- Carver, Edmund C., Burgess Hill, England. Apparatus for supporting and straining lawn-tennis and like nets. 1,675,249; June 26.
- Carver, Fred S., East Orange, N. J. Press pot and making same. 1,679,464; Aug. 7.
- Carver, George W., East Orange, N. J. Package handle. 1,691,467; Nov. 13.
- Carver, Walter H., and W. H. Yutz, Trenton, N. J. Chick-box. 1,689,069; Oct. 23.
- Carveth, Hector R., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Controlling rate of oxidation. 1,685,520; Sept. 25.
- Casale, Luigi, deceased, Rome, Italy; M. C. Sacchi, administratrix. Preparation of urea from carbonic anhydride and synthetic ammonia. 1,670,341; May 22.
- Casanovas, Rosa C. V. D., F. Schwartz, and E. Gil-Camporro, Barcelona, Spain. Manufacturing an agglomerated or composite product. 1,656,169; Jan. 17.
- Casati, Pietro, and A. Antoniola, Turin, Italy. Arrangement for eliminating the dangers due to back fires in carburetors. 1,677,019; July 10.
- Cary, Elmer E., Hollywood, Calif. Cooker. 1,684,297; Sept. 11.
- Case, Arthur F., assignor to The Willman-Seaver-Morgan Company, Cleveland, Ohio. Car dumper. 1,654,919; Jan. 3.
- Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Coal-loading plant. 1,674,389; June 19.
- Case, Arthur F., assignor to The Wellman-Seaver-Morgan Co., Cleveland, Ohio. Cable suspension for hoisting buckets. 1,687,543; Oct. 16.
- Case, Bertram G. (See Kerestes, George A., assignor.)
- Case, Egerton R., Toronto, Ontario, Canada. Electric heating unit and forming and assembling same. 1,686,795; Oct. 9.
- Case, Egerton R., Toronto, Ontario, Canada. Support for electric resistance elements. 1,686,796; Oct. 9.
- Case, Francis M., Cleveland Heights, assignor to B. B. Deming, Cleveland, Ohio. Combined table and ironing-machine support. 1,663,792; Mar. 27.
- Case, Francis M., Cleveland Heights, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,688,135; Oct. 16.
- Case, Francis M., Cleveland Heights, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,639,914; Oct. 30.
- Case, Frank E., assignor to The Harvard Company, Canton, Ohio. Arm rest. 1,654,787; Jan. 3.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Contact fingers. 1,667,652; Apr. 24.
- Case, Francis M., Cleveland, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,690,401; Nov. 6.
- Case, J. I., Plow Works, Inc. (See Everett, Charles E., assignor.)
- Case, J. I., Plow Works, Inc. (See Michael, Clement W., assignor.)
- Case, J. I., Threshing Machine Company. (See Boda, Joseph E., assignor.)
- Case, J. I., Threshing Machine Company. (See Crawford, John F., assignor.)
- Case, J. I., Threshing Machine Company. (See MacGregor, Wallace F., assignor.)
- Case, James W. (See Whitelock, J. W., and Case.)
- Case, Jerome L., Racine, Wis. Fly holder. 1,669,928; May 15.
- Case, L. E., Inc. (See Desibaugh, Mark A., assignor.)
- Case, Lynn B. (See Waldron, W. H., and Case.)

- Case, Lynn B., Highland Park, Mich., assignor to John Waldron Corporation, New Brunswick, N. J. Stick-turning mechanism. 1,656,041; Jan. 10.
- Case, Lynn, B., New Brunswick, N. J., assignor to John Waldron Corporation, New York, N. Y. Process and apparatus for drying oriental rugs. 1,686,680; Oct. 9.
- Case, Lynn B., assignor to John Waldron Corporation, New Brunswick, N. J. Coating machine. 1,695,319; Dec. 18.
- Case & Marshall, Incorporated. (See Sponsel, Charles W., assignor.)
- Case & Martin Company. (See Ehrlich, William, assignor.)
- Case, Oscar B., Williamsport, Pa. Container. 1,685,147; Sept. 25.
- Case, Paul D., (See Smith, H. R. and Case.)
- Case Research Laboratory Incorporated. (See Case, Theodore W., assignor.)
- Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Talking-picture machine. 1,616,910; Mar. 20.
- Casella, Secondo L., New York, assignor to Yale Electric Corporation, Brooklyn, N. Y. Bobbin trimming and cleaning machine. 1,695,681; Dec. 18.
- Casey Foster Co., The. (See Black, Nathaniel S., assignor.)
- Casey, Francis C., Claffin, Kans. Automobile jack. 1,682,066; Aug. 28.
- Casey, Harvey D., Cleveland, Ohio. Combination foot brake and center pin for locomotive cranes. 1,671,626; May 29.
- Casey, William, Kingston, Ontario, Canada. Locomotive stop valve. 1,689,325; Oct. 30.
- Casey, William F. J., and G. Cavin, Kingston, Ontario, and C. E. Brooks, Montreal, Quebec, Canada. Truck construction. 1,681,095; Aug. 14.
- Casey, William F. J., and G. Cavin, Kingston, Ontario, Canada, assignors, by mesne assignments, to C-S Engineering Company. Locomotive booster device. 1,683,286; Sept. 4.
- Casey, William F. J., G. Cavin, Kingston, Ontario, and C. E. Brooks, Montreal, Quebec, Canada; said Cavin and said Brooks assignors to said Casey. Bearing. 1,677,171; July 17.
- Casey, William P., Oshkosh, Wis. Electric handsaw. 1,674,003; June 19.
- Cash, A. W., Company. (See Howse, Curtis L., assignor.)
- Cash, Robert W., Hannibal, Mo. Child's vehicle. 1,684,298; Sept. 11.
- Caskey-Dupree Manufacturing Company. (See Schmid, William, assignor.)
- Caskey, Luther H., assignor to Caskey Turn-Kwik Corporation, Martinsburg, W. Va. Packing fruits, vegetables, and other products. 1,692,625; Nov. 20.
- Caskey Turn-Kwik Corporation. (See Caskey, Luther H., assignor.)
- Caskin, Francis H. (See Jackman, Joseph J., assignor.)
- Caskin, Langdon, Haverford, Pa. Dishwashing apparatus. 1,691,839; Nov. 13.
- Casler, Herman, assignor, by mesne assignments, to Rex-Watson Corporation, Canastota, N. Y. Skate wheel. 1,665,874; Apr. 10.
- Caslow, Amos B., Elizabethtown, Pa. Tractor seat. 1,665,112; Mar. 20.
- Casner, Annie E., Camden, N. J. Toilet-seat cover. 1,693,501; Nov. 27.
- Casner, Thaddeus S., Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y. Secondary electric clock. 1,655,493; Jan. 10.
- Casner, Thaddeus S., Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y. Relay. 1,661,166; Mar. 6.
- Casner, Thaddeus S., Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y. Silent secondary clock. 1,667,808; Apr. 24.
- Casoletti, Vittorio, Turin, Italy. Apparatus for washing cups, glasses, and the like. 1,656,344; Jan. 17.
- Caspari, William A., London, England. Manufacture and production of oxygenated products from hydrocarbons or oxidizable derivatives of hydrocarbons. 1,674,589; June 19.
- Casper, Louis, Brooklyn, N. Y. Massage instrument. 1,693,137; Nov. 27.
- Casper, Louis, Brooklyn, N. Y. Telegraph transmission of signals. 1,694,769; Dec. 11.
- Caspler, Morris, South Norwalk, Conn. Making slippers. 1,662,917; Mar. 20.
- Cass, Albert, Manchester, England, assignor of one-half to J. Robinson and A. Ackroyd, Eccles, England. Picking motion for looms for weaving. 1,687,857; Oct. 16.
- Cass, Benjamin A., assignor of one-half to D. H. Ponder, Jacksonville, Ala. Fence post. 1,655,673; Jan. 10.
- Cass, Israel G., et al. (See Veitch, Thomas, assignor.)
- Cassaday, Ernest S. (See Larrabee, B. G., Root, and Cassaday.)
- Cassal, Arthur V., Rochester, N. Y. Circuit camera. 1,664,590; Apr. 3.
- Cassano, Erminio, Framingham, Mass. Shoe. 1,662,845; Mar. 20.
- Casselman, Elbridge J., assignor to Window Glass Machine Company, Pittsburgh, Pa. Process of and apparatus for making clay articles. 1,692,887; Nov. 27.
- Cassereau, Henri, Mexico. Photographic-film drier. 1,679,239; July 31.
- Cassidy, Chauncey, Great Falls, Mont. Spoon. Des. 75,211; May 22.
- Cassidy, Willis W., Salt Lake City, Utah. Halloween candy. Des. 76,776; Nov. 6.
- Cast Steel Devices Company, The. (See Pierce, Elwood K., assignor.)
- Cast Steel Devices Co., The. (See Rauch, John D., assignor.)
- Castagna, Cesare F., Hurley Wis. Window display device. 1,696,189; Dec. 25.
- Castan, Karl, Pforzheim, Germany. Ruling apparatus for characters. 1,692,149; Nov. 20.
- Casteel, George W., San Diego, Calif. Postage-stamp holder. 1,686,959; Oct. 9.
- Castelli, Louis F., North Bergen, N. J. Jar-cap remover. 1,670,188; May 15.
- Caster, John E., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machinery. 1,665,084; Apr. 3.
- Casterline, Edwin D., assignor to J. E. Casterline, Oakland, Calif. Roll-material holder. 1,676,854; July 10.
- Casterline, Julia E. (See Casterline, Edwin D., assignor.)
- Castles, Thomas R., Portland, Ore. Burglar alarm. 1,685,416; Sept. 25.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Marbleizing process. 1,682,067; Aug. 28.
- Casto, Lloyd V., assignor to Oxford Varnish Corporation, Detroit, Mich. Roll. 1,691,336; Nov. 13.
- Castrén, Eino, and E. Oksa, Enso, Suomi-Finland. Conical wood-chip distributor for chemical pulp boilers. 1,675,211; June 26.
- Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for making weftless fabric. 1,657,813; Jan. 31.
- Castricum, Martin, and P. L. Butterfield, Springfield, assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Automatic cutting device. 1,687,928; Oct. 16.
- Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Marker for continuous weighing devices. 1,687,321; Oct. 9.
- Castro, Jeanne, New York, N. Y., assignor to R. & H. Simon Company. Textile fabric. Des. 76,982; Nov. 27.
- Castro, Jeanne, New York, N. Y., assignor to R. & H. Simon Company. Textile fabric. Des. 76,983; Nov. 27.
- Catá, Ramon M., Barcelona, Spain. Device for sharpening the points of pencils. 1,694,581; Dec. 11.
- Catala, Tiburce, Englewood Cliffs, N. J. Jewelry case. 1,666,001; Apr. 10.
- Catalpa Limited. (See Fryer, Percival J., assignor.)
- Catanzarite, Frank, Danville, Ind. Cutter-guard construction. 1,695,994; Dec. 18.
- Cate, Mary L., Nashville, Tenn. Figure toy. 1,659,720; Feb. 21.
- Catelli Macaroni Products Corporation Limited. (See Bienvenu, Frank A., assignor.)
- Caterpillar Tractor Co. (See Best, Clarence L., assignor.)
- Caterpillar Tractor Co. (See Grotts, Fred, assignor.)
- Caterpillar Tractor Co. (See Turnbull, William, assignor.)
- Cathcart, Edwin F., Lakewood, Ohio. Composition for removing nitrocellulose lacquers. 1,669,387; May 8.
- Cathcart, Harry G., Cleveland, Ohio. Electric heater. 1,684,472; Sept. 18.
- Cather, Charles E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Reinforced folder or file holder. 1,665,128; Apr. 3.
- Cather, Charles E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Duplex envelope. 1,666,957; Apr. 24.
- Catherman, Charles S., Cumberland, Md. Bookmark. 1,672,113; June 5.
- Catineau, André. (See Bots, H., and Catineau.)
- Catineau, André, St. Fons, France, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs and making same. 1,662,415; Mar. 13.
- Catlin, Charles P., Jersey City, N. J. Oil can. Des. 74,779; Mar. 27.
- Catlin, De Forest B., Boston, Mass. Therapeutic device for use in buccal cavities. 1,657,148; Jan. 24.
- Catlin, De Forest B., Boston, Mass. Diathermy apparatus for sinus treatment. 1,657,149; Jan. 24.
- Catlin, De Forest B., Boston, Mass. Diathermy and galvanic ear set. 1,684,859; Sept. 18.
- Catlin, De Forest B., Boston, Mass. Eye-treating apparatus. 1,684,860; Sept. 18.
- Catlin, Thomas S., Waveland, assignor to Catlin-Tompkins Corporation of Indiana, Indianapolis, Ind. Window-shade apparatus. 1,666,990; Apr. 24.
- Catlin-Tompkins Corporation of Indiana. (See Catlin, Thomas S., assignor.)
- Catlin, Winfield, Rockville, assignor of one-half to W. N. Cox., Bloomington, Ind. Animal trap. 1,665,020; Apr. 3.
- Caton, Eugene. (See Caton, H. and E., and Howard.)
- Caton, Herschel, Kansas City, E. Caton, Rosedale, Kans., and L. C. Howard, assignors to Caton Printing Company, Kansas City, Mo. Slip sheeting and means for practicing the same. 1,693,886; Dec. 4.
- Caton, Maurice L., Quebec, Canada, assignor to The Barrett Company. Roofing strip. 1,659,808; Feb. 21.
- Caton Printing Company. (See Caton, H. and E., and Howard, assignors.)

- Caton, Thomas D., Georgiana, Ala. Fowl roost. 1,658,515; Feb. 7.
- Catron, Frederick O., assignor of one-half to N. P. Catron, Memphis, Tenn. Air cleaner. 1,694,116; Dec. 4.
- Catron Manufacturing Company. (See Risser, Ross E., assignor.)
- Catron, Nettie P. (See Catron, Frederick O., assignor.)
- Cattanach, Rankin S., assignor to The Coventry Chain Company Limited, Coventry, England. Transmission chain. 1,669,654; May 15.
- Cattell, Gilbert W. (See Miller, J. A., and Cattell.)
- Catterlin, Francis J., Chicago, Ill., and E. B. Spencer, Pasadena, Calif., assignors of fifty-two one-hundredths to H. Schechtel, and twenty-nine one-hundredths to B. S. Mesirov, Chicago, Ill., and nineteen one-hundredths to G. B. Grossman, Hammond, Ind. Hobbyhorse and the like. 1,668,190; May 1.
- Cattoi, Louis C., assignor of one-eighth to A. Erspamer and one-eighth to L. Erspamer, Hurley, Wis. Vehicle spring shackle. 1,671,668; May 29.
- Catudal, Frederic N., Newton, Iowa. Lawn-edging implement. 1,693,808; Dec. 4.
- Caughey, Edward G., Sewickley, Pa. Annealing apparatus. 1,671,810; May 29.
- Caulfield, Jacob S. (See Smith, F. L., Caulfield, and Peterson.)
- Caulkins, Cecil P., New London, Conn. Game apparatus. 1,674,715; June 26.
- Caulkins, Cecil P., New London, Conn., assignor to General Ordnance Corporation, New York, N. Y. Agricultural machine. 1,689,816; Oct. 30.
- Causey, Daniel W., Norfolk, Va. Smoker's appliance. 1,661,215; Mar. 6.
- Causey, Guy M., Salem, Oreg., and M. E. Miller, Washington, D. C. Pipe cutter. 1,695,363; Dec. 18.
- Cautley, John R., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating connection. 1,655,218; Jan. 3.
- Cavacchioli, Bernardo, Chicago, Ill. Resilient wheel. 1,656,141; Jan. 10.
- Cavaleri, Vincent, Brooklyn, N. Y. Aeroplane. 1,686,071; Oct. 2.
- Cavalli, Tito L., Benicia, Calif. Milk-bottle container. 1,693,434; Nov. 27.
- Cavanagh, James, Rochester, N. Y. Primer for internal-combustion engines. 1,658,115; Feb. 7.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,682,773; Sept. 4.
- Cavanagh, John F., assignor to The Screw Machine Products Corporation, Providence, R. I. Selective telephone system. 1,682,068; Aug. 28.
- Cavanna, Eugene L., Chicago, Ill. Shoe support. Re-16,924; Apr. 3.
- Cavanaugh, Leo C., Youngstown, Ohio. Fountain toothbrush. 1,676,601; July 10.
- Cavazos, Isidore, Kingsville, Tex. Rotary motor. 1,675,693; July 3.
- Cave, Henry, Springfield, Mass., assignor to The Fuller Brush Company, Hartford, Conn. Washing machine. 1,681,322; Aug. 21.
- Cave, Henry, Hartford, and H. H. Fitzgerald, Berlin, assignors to The Fuller Brush Company, Hartford, Conn. Handle connector for implements. 1,692,110; Nov. 20.
- Cave, Isabel N., Brooklyn, N. Y. Garment hanger and container. 1,662,819; Mar. 20.
- Caverly, Harry C., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,678,103; July 24.
- Caviechi, Ernest, Arlington, Mass. Button. 1,695,482; Dec. 18.
- Cavin, Gustave. (See Casey, W. F. J., and Cavin.)
- Cavin, Gustave. (See Casey, W. F. J., Cavin, and Brooks.)
- Cavin, William D. (See Nicholson, J. H., and Cavin.)
- Cavnah, William H. (See Vogan, Frank M., assignor.)
- Cawley, George, Montclair, N. J., assignor to The Permutit Company, New York, N. Y. Process of and apparatus for treating water. 1,678,766; July 31.
- Cawood, Clarence A., Big Stone Gap, Va., assignors to The Electric Railway Equipment Company, Cincinnati, Ohio. Hanger for electric wires. 1,695,007; Dec. 11.
- Cayo, Edward L., Buchanan, assignor to Benton Harbor Manufacturing Corporation, Berrien County, Mich. Toy boat. 1,681,465; Aug. 21.
- Cayot, Josef, Oakland, Calif. Self-cleaning salt shaker and the like. 1,687,155; Oct. 9.
- Cazenove, James O. H., New York, N. Y. Egg beater. 1,694,500; Dec. 11.
- Cease, W. A., et al. (See Burruss, John R., assignor.)
- Cederberg, Ivar W., Steglitz, near Berlin, Germany. Catalytic combustion of ammonia-oxygen mixtures. 1,666,958; Apr. 24.
- Cederberg, Ivar W., Berlin Steglitz, Germany, assignor to Patentverwertungs Aktiengesellschaft "Alpina," Societe Anonyme pour l'Exploitation des Brevets "Alpina," Patents Exploitation Company "Alpina" Ltd., Basel, Switzerland. Apparatus for the synthetic production of ammonia from the elements. 1,673,966; June 19.
- Cedergren, Fred, assignor to Frank S. Betz Company, Hammond, Ind. Electric control for sterilizers. 1,657,660; Jan. 31.
- Cederleaf, Clarence A., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Visible-sheet binder. 1,662,879; Mar. 20.
- Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slip weft detector. 1,663,934; Mar. 27.
- Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slipping weft detector for looms. 1,695,365; Dec. 18.
- Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector in loom transferer. 1,695,366; Dec. 18.
- Cederstrom, Harold. (See Rosholt, T. W., and Cederstrom.)
- Cee-Bee Machine Corporation. (See Cohn, Max, assignor.)
- Ceffaratti, John. (See Dinardo, Giovanni, assignor.)
- Celanese Corporation of America. (See Bader, Walter, assignor.)
- Celanese Corporation of America. (See Dickie, W. A., and Rooney, assignors.)
- Celanese Corporation of America. (See Drefus, C., and Platt, assignors.)
- Celanese Corporation of America. (See Dreyfus, H., and Haney, assignors.)
- Celanese Corporation of America. (See Eichengrün, Arthur, assignor.)
- Celanese Corporation of America. (See Ellis, George H., assignor.)
- Celanese Corporation of America. (See Ellis, G. H., and Goldthorpe, assignors.)
- Celanese Corporation of America. (See Ellis, G. H., Olpin, and Miller, assignors.)
- Celanese Corporation of America. (See Newton, Frederick, assignor.)
- Celanese Corporation of America. (See Olpin, Henry, C., assignor.)
- Celanese Corporation of America. (See Palmer, Charles W., assignor.)
- Celanese Corporation of America. (See Skertchly, William P., assignor.)
- Celanese Corporation of America. (See Small, Frederick T., assignor.)
- Celenko, Joseph, Bedford, Ohio. Rubber heel. 1,688,116; Oct. 16.
- Celenza, Nicholas J., Brooklyn, N. Y., assignor, by mesne assignments, to Brandes Laboratories Inc., Newark, N. J. Electrical connection. 1,679,960; Aug. 7.
- Celestin, William E., New York, N. Y. Section tire for vehicles. 1,667,535; Apr. 24.
- Celite Company, The. (See Caldwell, Lyle, assignor.)
- Cellacote Company, The. (See Beadle, George W., assignor.)
- Cellacote Company, The. (See Beadle, Harold I., assignor.)
- Cellner, Frank, Tekoa, Wash. Sand trap. 1,670,651; May 22.
- Cellocilk Company. (See Furness, William H., assignor.)
- Celotex Company, The. (See Hanson, Hans E., assignor.)
- Cem Securities Corporation, The. (See Schellhaas, George, assignor.)
- Centanni, Anthony T., Philadelphia, Pa. Nail-file attachment. 1,671,311; May 29.
- Centeno V. Melchor, Caracas, Venezuela. Nail straightener. 1,666,844; Apr. 17.
- Centeno V. Melchor, Chicago, Ill. Safety appliance for tools. 1,684,545; Sept. 11.
- Centofanti, Sam., Youngstown, Ohio. Fountain pen. 1,685,044; Sept. 18.
- Centorrino, Marcello, New York, N. Y. Instructing device. 1,678,689; July 31.
- Central Alloy Steel Corporation. (See Alden, John W., assignor.)
- Central Alloy Steel Corporation. (See Fitz Gerald, Joseph G., assignor.)
- Central Alloy Steel Corporation. (See O'Brien, William C., assignor.)
- Central Alloy Steel Corporation. (See Trembour, Max R., assignor.)
- Central Automatic Sprinkler Company. (See Lewis, LeRoy M., assignor.)
- Central Brass and Fixture Company, The. (See McCloud, Edward H., assignor.)
- Central Brass Manufacturing Company, The. (See Mortimer, John N., assignor.)
- Central Electric Tool Company. (See Weyandt, Carl S., assignor.)
- Central Glass Works. (See Harpfer, Fred A., assignor.)
- Central National Bank of Cleveland. (See McKee, Willis, assignor.)
- Central Ohio Steel Products Company. (See Biszantz, Fred, assignor.)
- Central Oil & Gas Stove Company. (See Anderson, John A., assignor.)
- Central Radio Laboratories. (See Moore, Daniel E., assignor.)
- Central Scientific Company. (See Hornberger, Carl S., assignor.)
- Central Scientific Company. (See Kincaid, Joseph H., assignor.)
- Central Scientific Company. (See Klopsteg, Paul E., assignor.)
- Central Scientific Company. (See Sachse, Herman P., assignor.)
- Central Scientific Company. (See Sherrill, Richard M., assignor.)

- Central Scientific Company. (See Stannard, Winfield H., assignor.)
- Central Scientific Company. (See Stark, Rudl, assignor.)
- Central Tractor Company, The. (See Stedman, Charles C., assignor.)
- Central Trust Company of Illinois, administrator. (See Pierce, Earl F.)
- Central Tube Company. (See Laughlin, Alexander, jr.)
- Central Tube Company. (See Laughlin, Alexander, jr., assignor.)
- Central Union Trust Company of New York, trustee. (See Liddell, Robert P. F., assignor.)
- Central Union Trust Company of New York, trustee. (See Williams, Lewis W., assignor.)
- Centre Lighting Fixture Mfg. Co., The. (See Novin, Joseph, assignor.)
- Centrifx Corporation. (See Hawley, Charles G., assignor.)
- Centrifx Corporation. (See Schutz, Joseph M., assignor.)
- Centrifugal Pipe Corporation. (See Burchartz, Heinrich, assignor.)
- Centrifugal Pipe Corporation. (See Holthaus, Johann, assignor.)
- Century Rubber Works. (See Venn, Henry L., assignor.)
- Ceramic Machinery Company, The. (See Ginderich, Otto J., assignor.)
- Cerati, Ottorino, Vercelli, Italy. Transplanting machine, particularly for rice plants and the like. 1,654,861; Jan. 3.
- Cereghino, Joseph, Los Angeles, Calif. Can opener. 1,666,366; Apr. 17.
- Cerfvol, Albert, Barking, assignor of one-fifth to J. A. Fisher, one-fifth to F. W. Shears, one-fifth to E. Lumsden, and one-fifth to C. Raymond, London, England. Blade for propellers, ventilating fans, and the like. 1,661,921; Mar. 6.
- Cerny, Edward. (See Cerny, John, assignor.)
- Cerny, John, St. Anthony, Idaho, assignor of one-half to E. Cerny, Spokane, Wash. Chair-leg brace. 1,684,727; Sept. 18.
- Cerqua, Corrado, Brooklyn, assignor to F. Alberini, New York, N. Y. Panoramic-moving-picture apparatus. 1,680,498; Aug. 14.
- Certain-teed Products Corporation. (See Emerson, Warren M., assignor.)
- Certain-teed Products Corporation. (See Speer, Alexander S., assignor.)
- Certo Corporation. (See Wallace, James F., assignor.)
- Cesar, Gyula, Sopron, Hungary, assignor of one-half to S. Toth. Organ-pipe construction. 1,676,942; July 10.
- Cesario, Frank, Port Chester, N. Y. Brake for vehicles. 1,660,476; Feb. 28.
- Cessna, Charles L., Fort Dodge, Iowa. Rat trap. 1,675,532; July 3.
- Cevolani, Edoardo, Bologna, Italy. Hub for free-wheel bicycles and the like driven by oscillating pedal cranks. 1,659,766; Feb. 21.
- Cézar, Rafael D. (See Grassi, A. A., and Cézar.)
- Chadbourne, Ralph W. (See Neall, N. J., and Chadbourne.)
- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Chadeloid Chemical Company. (See Ellis, C., and Stewart, assignors.)
- Chadeloid Chemical Company. (See Lougovoy, Boris N., assignor.)
- Chadillon, Joseph, Montreal, Quebec, Canada. Game board. Des. 74,862; Apr. 10.
- Chadwick, Frederick, Hamilton, Ontario, Canada. Cluster outlet for electric lamps. 1,656,725; Jan. 17.
- Chadwick, George B., Portsmouth, N. H. Bushing. 1,657,914; Jan. 31.
- Chadwick, Lee S., Shaker Heights Village, and M. Resek, and J. A. Dahlstrom, East Cleveland, Ohio. Fuel-oil burner. 1,688,448; Oct. 23.
- Chadwick, Lee S., Shaker Heights Village, and M. Resek, East Cleveland, assignors to Perfection Stove Company, Cleveland, Ohio. Thermostatic control for water heaters. 1,673,900; June 19.
- Chadwick, Lee S., Shaker Heights, and M. Resek, Cleveland Heights, assignors to Perfection Stove Company, Cleveland, Ohio. Liquid-fuel stove. 1,682,701; Aug. 28.
- Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Automatically-controlled burner. 1,694,501; Dec. 11.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-sash construction. 1,657,787; Jan. 31.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Combined sash holder and starter. 1,667,283; Apr. 24.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction having adjustable rack. 1,672,369; June 5.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Combined sash holder and starter. 1,678,243; July 24.
- Chaffee, Emory L., Belmont, assignor to J. H. Hammond, jr., Gloucester, Mass. Multichannel radio system. 1,654,920; Jan. 3.
- Chaffee, Emory L., Belmont, and E. S. Purington, Boston, assignors to J. H. Hammond, jr., Gloucester, Mass. Secret radiosignaling. 1,690,719; Nov. 6.
- Chagnon, Georges, Mitchell Station, Quebec, Canada. Rail joint. 1,662,234; Mar. 13.
- Chain Belt Company. (See Ball, Charles F., assignor.)
- Chain Belt Company. (See Draeger, Lloyd H., assignor.)
- Chain Belt Company. (See Hamren, Eric O., assignor.)
- Chain Belt Company. (See Longenecker, Charles L., assignor.)
- Chain Belt Company. (See Merwin, John C., assignor.)
- Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
- Chain Products Company, The. (See Edeburn, Alfred N., assignor.)
- Chain Products Company, The. (See Hodell, Frederick G., assignor.)
- Chain Saw Corporation. (See Bens, Samuel J., assignor.)
- Chaine, Ruth E., New York, N. Y. Hat. 1,671,890; May 29.
- Chalas, Adolphe and E., Neuilly-sur-Seine, France. Soluble food product having fresh kola as a base and preparation of the same. 1,669,326; May 8.
- Chalas, Ellen. (See Chalas, Adolphe and E.)
- Chalker, Albert R. (See Lower, N. M., and Chalker.)
- Chalker, Albert R. (See Turner, E. A., and Chalker.)
- Challenge Company. (See Lund, John A., assignor.)
- Challenge Machinery Company, The. (See Barney, Freeman, assignor.)
- Challenge Machinery Company, The. (See Lee, James W., assignor.)
- Chalmers, Harry B., New York, N. Y. Portable stove cabinet. 1,670,020; May 15.
- Chalmers, Henry B., New York, N. Y. Power transmission. 1,688,785; Oct. 23.
- Chalmers, Raymond W., Highland Park, Mich. Shipping-box construction. 1,670,840; May 22.
- Chalmers, William, Sacramento, Calif. Aircraft and airplane construction. 1,668,889; May 8.
- Chaloupka, Josef, Acton, assignor to J. C. Vredenburg, London, England. Ornamented fabric and method of and apparatus for ornamentation. 1,657,067; Jan. 24.
- Chamberlain, Alfred J., Lakewood, Ohio. Metal container. 1,667,284; Apr. 24.
- Chamberlain, Clarence M., assignor to The Clymer Manufacturing Company, Denver, Colo. Adjusting means for spotlights. 1,656,419; Jan. 17.
- Chamberlain Co. (See Chamberlain, Lee, assignor.)
- Chamberlain, Ernest B. (See Chamberlain, Frederic W. and E. B.)
- Chamberlain, Frederic W., Three Oaks, Mich., and E. B. Chamberlain, New York, N. Y., assignors to The Warren Featherbone Co., Three Oaks, Mich. Toy bow. 1,683,865; Sept. 11.
- Chamberlain, George D., Ashland, Ky., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Cleaning and pickling of metals. 1,671,627; May 29.
- Chamberlain, Harold B., East Orange, N. J., assignor to The Tuco Products Company, New York, N. Y. Metal foundation for composite floors. 1,682,551; Aug. 28.
- Chamberlain, Lee, Los Angeles, Calif., assignor to Chamberlain Co., Inc. Mud-laden fluid for oil and gas wells. 1,663,492; Mar. 20.
- Chamberlain, Mildred, Chicago, Ill., assignor to American Home Economics Association. Badge or similar article. Des. 75,677; July 3.
- Chamberlain, Paul A., assignor to Mohawk Corporation of Illinois, Chicago, Ill. Radiocondenser. 1,666,163; Apr. 17.
- Chamberlin, Benjamin D., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,666,052; Apr. 10.
- Chamberlin, Benjamin D., assignor to Eastman Kodak Company, Rochester, N. Y. Printing stamp. 1,672,072; June 5.
- Chamberlin Cartridge and Target Co., The. (See Spangler, William I., assignor.)
- Chamberlin, Clarence P., Birmingham, Mich. Automobile windshield. 1,669,228; May 8.
- Chamberlin, Earl A., Cedar Rapids, Iowa. Humidifier. 1,692,816; Nov. 27.
- Chamberlin, John R., Bronxville, N. Y. Core-drill bit. 1,676,887; July 10.
- Chamberlin Metal Weather Strip Company. (See Glaser, Joseph P., assignor.)
- Chamberlin Metal Weather Strip Co. (See Glaser, J. P., Julien, and Whitten, assignors.)
- Chambers Brothers Company. (See King, Howard K., assignor.)
- Chambers, Bryan, et al. (See Starkweather, George E., assignor.)
- Chambers, Cornelius, Shirley, England. Apparatus for delivering measured quantities by volume of petrol and other liquids. 1,657,992; Jan. 31.
- Chambers, Howard E., Los Angeles, Calif. Adjustable helmet and goggles. 1,678,208; July 24.
- Chambers, James A., Transvaal, Johannesburg, South Africa. Apparatus for concentrating ores and other minerals and materials. 1,656,042; Jan. 10.
- Chambers, James G., and B. C. Salamis, Montreal, Quebec, Canada. Water heater. 1,665,949; Apr. 10.
- Chambersburg Engineering Company. (See Clarke, Eugene C., assignor.)
- Chambley, Alexander. (See Scrannage, Lawrence E., assignor.)
- Champ Electrical Company. (See Chandler, Daniel L., assignor.)
- Champion, Abraham L., Boston, Mass. Weatherproof window. 1,669,599; May 15.

- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive shaft. 1,658,552; Feb. 7.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Lighting means for instrument boards. 1,668,525; May 1.
- Champion, Albert, assignor, by mesne assignments, to A. C. Spark Plug Co., Flint, Mich. Drive unit. 1,670,841; May 22.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Terminal connector for electrical supply cables. 1,672,201; June 5.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,675,639; July 3.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,680,012; Aug. 7.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Flexible tube support. 1,683,023; Sept. 4.
- Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Instrument assembly. 1,688,522; Oct. 23.
- Champion Coated Paper Company, The. (See Reedy, John H., assignor.)
- Champion Coated Paper Company, The. (See Thomson, Logan C., assignor.)
- Champion, Charles V., Catlin, Ill. Electric toasting device. Des. 76,003; Aug. 14.
- Champion, C. V., & Company. (See Chandler, Frank H., assignor.)
- Champion Folding Furniture Company. (See Adkins, Frank A., assignor.)
- Champion Folding Furniture Company. (See Adkins, F. A., and Harter, assignors.)
- Champion Hardware Company, The. (See Hasenflue, Nelson T., assignor.)
- Champion, Henry M. (See Allen, F. R., and Champion.)
- Champion Manufacturing Company. (See Dunbaugh, George J., Jr., assignor.)
- Champion No-Leak Paper Dish Company, The. (See Knoeppel, Frank, assignor.)
- Champion Porcelain Company. (See Jeffery, Joseph A., assignor.)
- Champion Porcelain Company. (See Riddle, Frank H., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)
- Chance, A. Bishop. (See Clark, Charles L., assignor.)
- Chance, Albert B., Centralia, Mo. Eye structure. 1,657,297; Jan. 24.
- Chance, Henry M., Philadelphia, Pa. Method and apparatus for centrifugal thickening of mixtures and clarifying of liquids. 1,664,769; Apr. 3.
- Chance, Thomas M., Merion, Pa. Separation of materials of different specific gravities. 1,685,521; Sept. 25.
- Chance, Thomas M., Philadelphia, Pa. Method and apparatus for detecting accumulations of materials in coal washers and ore concentrators. 1,686,435; Oct. 2.
- Chancellor, Victor, and S. L. Calvert, Tulsa, Okla. Separating gas and water from oil and apparatus therefor. 1,673,663; June 12.
- Chandler, Aquila D., Chicago, Ill. Intake manifold for internal-combustion engines. 1,658,477; Feb. 7.
- Chandler, Carl B., Havana, Ill. Metal-wheel-tire expander. 1,667,509; Apr. 24.
- Chandler, Charles H., Newport, R. I. Decolorizing carbon and making same. 1,663,000; Mar. 20.
- Chandler, Charles K., Headquarters of The Royal Air Force, India. Telegraphic and telephonic receiving circuits. 1,677,885; July 24.
- Chandler, Daniel L., Boston, assignor, by mesne assignments, to W. H. Whitcomb, Newton, Mass. Coin-controlled and change-making turnstile apparatus. 1,679,930; Aug. 7.
- Chandler, Daniel L., assignor to Champ Electrical Company, Boston, Mass. Toaster. 1,687,712; Oct. 16.
- Chandler, Daniel L., assignor to Champ Electrical Company, Boston, Mass. Time-controlled electric switch. 1,693,635; Dec. 4.
- Chandler, Earl E. (See Hallgarth, J., and Chandler.)
- Chandler, Edward F., Brooklyn, N. Y. Balanced motor fuel. 1,665,621; Apr. 10.
- Chandler, Edward F., Brooklyn, N. Y. Remote control system. 1,678,634; July 31.
- Chandler, Edward F., Brooklyn, N. Y. Torpedo. 1,680,451; Aug. 14.
- Chandler, Edward F., Brooklyn, N. Y. Sectional cabinet. 1,686,515; Oct. 9.
- Chandler, Frank H., assignor to C. V. Champion & Company, Danville, Ill. Toasting or cooking apparatus. Re17,114; Oct. 23.
- Chandler, Harvey V., Sulphur Springs, Tex. Article carrier. 1,696,029; Dec. 18.
- Chandler, Henry Thomas, New York, N. Y. Bearing steel. 1,676,384; July 10.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Connecting device. 1,662,055; Mar. 13.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Support. 1,663,334; Mar. 20.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley head. 1,690,618; Nov. 6.
- Chandler, Jermain, Toledo, Ohio. Tooth scrubber. 1,670,342; May 22.
- Chandler, Jermain, Toledo, Ohio. Tooth scrubber. 1,683,866; Sept. 11.
- Chandler, Milton E., assignor to Stromberg Motor Devices Co., Chicago, Ill. Carbureting apparatus. 1,656,369; Jan. 17.
- Chandler Motor Car Company. (See Andrade, Julius, assignor.)
- Chandler and Price Company, The. (See Tyler, Ralph S., assignor.)
- Chandler, Thomas H. (See Smith, B. C., and Chandler.)
- Chandler, Wallace L., East Lansing, Mich. Calcinated iodine and preparing same. 1,689,775; Oct. 30.
- Chandler, Willard P., Jr., Pittsburgh, Pa. Draft-control system. 1,686,265; Oct. 2.
- Chaney, Franklin V., assignor to Chaton Fibre Company, Boston, Mass. Dust guard and making the same. 1,672,202; June 5.
- Chaney, George, Doniphan, Nebr. Windshield for grain harvesters. 1,690,966; Nov. 6.
- Chanier, Gaston L., Jersey City, N. J., assignor to Pathe Exchange, Inc., New York, N. Y. Preventing premature uncoiling of film bobbins. 1,667,536; Apr. 24.
- Chanier, Gaston L., Jersey City, N. J., assignor to Pathe Exchange, Inc., New York, N. Y. Film holder. 1,686,650; Oct. 9.
- Chankin, Joseph. (See Jaffe, M. J., and Chankin.)
- Chann, Thomas, New York, N. Y. Spare wheel for emergency. 1,660,704; Feb. 28.
- Chann, Thomas, New York, N. Y. Brake mechanism for automobiles. 1,662,183; Mar. 13.
- Channell, Charles A., assignor to O-Cedar Corp'n., Chicago, Ill. Mop. 1,660,545; Feb. 28.
- Channell, James W., South Gate, Calif. Wire-splicing machine. 1,664,788; Jan. 3.
- Channing, R. H., Jr., agent. (See Phelan, R. E., and Lowe, assignors.)
- Channon, James H., Chicago, Ill. Electrode cap. 1,674,887; June 26.
- Chapas, Steven J., Boston, Mass. Carburetor. 1,670,288; May 15.
- Chapel, George L., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Radiator cap or the like. 1,682,552; Aug. 28.
- Chapel, George L., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Closure for radiators and the like. 1,683,383; Sept. 4.
- Chapin, Edward I., assignor to Chapin-Skelton Corporation, Syracuse, N. Y. Clothes-pressing machine. 1,670,529; May 22.
- Chapin, Fred H., Cleveland Heights, assignor to The Bourne-Fuller Company, Cleveland, Ohio. Shrink-head casing. 1,695,797; Dec. 18.
- Chapin, John J., Port Washington, assignor to Chapin Products Corporation, New York, N. Y. Can opener. 1,658,225; Feb. 7.
- Chapin Products Corporation. (See Chapin, John J., assignor.)
- Chapin, Samuel A., Seattle, Wash. Marine protractor. 1,667,191; Apr. 24.
- Chapin-Skelton Corporation. (See Chapin, Edward I., assignor.)
- Chapin-Stephens Company, The. (See Vogel, Paul H., assignor.)
- Chapin, William R., Wyoming, assignor of one-half to S. S. Staples, White Haven, Pa. Composite brick. 1,681,028; Aug. 14.
- Chaplin, Manley J., Berkeley, Calif. Locking device for automobiles. 1,667,584; Apr. 24.
- Chapman, Albert K., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,666,053; Apr. 10.
- Chapman, Alfred W., assignor to The Donley Brothers Company, Cleveland, Ohio. Andiron. Des. 75,010; May 1.
- Chapman, Alfred W., assignor to The Donley Brothers Company, Cleveland, Ohio. Fireplace-damper adjuster. 1,657,369; Jan. 24.
- Chapman, Alfred W., assignor to The Donley Brothers Company, Cleveland, Ohio. Window-frame filler and guide. 1,671,925; May 29.
- Chapman, Arthur W., London, England. Slidable seat for vehicles and the like. 1,684,944; Sept. 13.
- Chapman, Clarence M., Terryville, Conn. Soldering implement. 1,671,344; May 29.
- Chapman, Clarence M., assignor to The Chapman Machine Company, Terryville, Conn. Attaching blades to handles. 1,669,388; May 8.
- Chapman, Clarence M., assignor to The Chapman Machine Company, Terryville, Conn. Electrically-heated implement handle. 1,692,626; Nov. 20.
- Chapman Engineering Company. (See Chapman, William B., assignor.)
- Chapman, Frank H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,663,973; Mar. 27.
- Chapman, George A., Forest Hills, and E. W. Wilkinson, Queens Village, assignors to Minerals Separation North American Corporation, New York, N. Y. Coal briquette and making it. 1,678,379; July 24.
- Chapman, George H., Chicago, Ill. Electropneumatic combination stop action for organs. 1,665,254; Apr. 10.
- Chapman, George H., Chicago, Ill. Electromagnetically-actuated switch. 1,691,920; Nov. 20.
- Chapman, Howard D., Baltimore, Md., assignor to C. M. Strickler, Washington, D. C. Iron. 1,662,890; Mar. 20.

- Chapman, John C., assignor to The Whitney Mfg. Company, Hartford, Conn. Slack adjuster for silent chain drives. 1,673,762; June 12.
- Chapman, Leo M. (See Hollister, W. C., and Chapman.)
- Chapman, Lyman B. (See Boden, G., King, and Chapman.)
- Chapman Machine Company, The. (See Chapman, Clarence M., assignor.)
- Chapman, Modena E., administratrix. (See Stapleton, Earl M.)
- Chapman, Penrose E., St. Louis, Mo. Armature-winding machine. 1,662,881; Mar. 20.
- Chapman, Penrose E., St. Louis, Mo. Winding and de-reeling device. 1,682,213; Aug. 28.
- Chapman, Ralph E., Brooklyn, N. Y. Apparatus for packing joints. 1,676,425; July 10.
- Chapman, Ralph E., Miami, Fla. Apparatus for cutting or welding metal. 1,687,081; Oct. 9.
- Chapman, Samuel E., Ontario, Oreg. Paper feed and cutting mechanism. 1,665,444; Apr. 10.
- Chapman Self Locking Nut Company, trustees. (See Emery, I. C., assignor.)
- Chapman, Ulysses S., Carthage, Mo. Needle holder. 1,684,473; Sept. 18.
- Chapman Valve Manufacturing Company, The. (See Nickerson, Elmer K., assignor.)
- Chapman Valve Manufacturing Company, The. (See Smith, Emory T., assignor.)
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Automatic arc welding. 1,667,585; Apr. 24.
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Apparatus for fusion welding. 1,667,586; Apr. 24.
- Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding machine. 1,667,587; Apr. 24.
- Chapman, William B., New York, N. Y., assignor to Chapman Engineering Company, Mount Vernon, Ohio. Burning powdered coal. 1,661,408; Mar. 6.
- Chapman, William E., Columbus, Ohio. Cover-clamping means for bedsteads. 1,693,022; Nov. 27.
- Chapman, William H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Work holder. 1,675,449; July 3.
- Chapman, William M., New Orleans, La. Elevator rack. 1,673,864; June 19.
- Chappell, Fred B., assignor of one-half to Glens Falls Machine Works, Glens Falls, N. Y. Apparatus for aerating and screening liquid. 1,666,164; Apr. 17.
- Chappell, Marvin L., El Segundo, G. J. Ziser, Los Angeles, and E. L. Moyer, Hermosa Beach, assignors, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Purifying mineral oils. 1,672,304; June 5.
- Charavay, Frederick, assignor of one-half to G. W. Hartzell, Piqua, Ohio. Propeller-ventilating means. 1,657,496; Jan. 31.
- Charette, Jean B., and E. Bernier, Detroit, Mich. Vacuum-producing apparatus. 1,658,797; Feb. 14.
- Charis Corporation. (See Leonard, Joseph, assignor.)
- Charlebois, Damas E., Carbon, Alberta, Canada. Gate. 1,656,470; Jan. 17.
- Charlebois, Francis J., and A. H. Martin, Norwood, N. Y. Stake for vehicle side boards. 1,691,639; Nov. 13.
- Charlebois, Joseph P. C., Toronto, Ontario, Canada. Headlight. 1,696,793; Dec. 25.
- Charlemagne, Henry, Brooklyn, N. Y. Combination lock. 1,673,441; June 12.
- Charles, Clifford S., assignor to Winchester Repeating Arms Company, New Haven, Conn. Carbon-pencil-feeding mechanism. 1,658,423; Feb. 7.
- Charles, Maurice, Courbevoie, France. Hydraulic braking apparatus. 1,680,204; Aug. 7.
- Charles, Richard P. (See Delany, E. L., and Charles.)
- Charlier, Camille, and A. Erera, Brussels, Belgium. Cooking pot. 1,675,640; July 8.
- Charlton, Harry W., assignor to American Cyanamid Company, New York, N. Y. Phosphorus material. 1,662,489; Mar. 13.
- Charlton, Richard C., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Level. 1,690,053; Oct. 30.
- Charlton, Richard C., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Saw handle. 1,690,054; Oct. 30.
- Charpentier, Henri, Lynbrook, N. Y. Jar or similar container. Des. 75,953; Aug. 7.
- Charpentier, Henri, Lynbrook, N. Y. Jar or similar container. Des. 75,954; Aug. 7.
- Charter, James A., Chicago, Ill. Engine starter. 1,682,368; Aug. 28.
- Charter Oak Stove & Range Company. (See Dana, Leslie, assignor.)
- Charushin, Vladimir. (See Gough, A. C., and Charushin.)
- Chase Appliance Corporation. (See Holinger, Emil F., assignor.)
- Chase, Charles C., St. Joseph, Mo. Candy menu stand. 1,662,637; Mar. 13.
- Chase, Clement E., Wayne, Pa. Ice pick. Des. 76,664; Oct. 23.
- Chase Companies. (See Hallberg, August W., assignor.)
- Chase Companies Inc. (See Finkenzeller, William J., assignor.)
- Chase Companies, The. (See Wellington, Arthur W., assignor.)
- Chase, Elroy A., Northfield, Vt. Apparatus for producing ornamental background on stone. 1,664,159; Mar. 27.
- Chase, Elroy A., Northfield, Vt. Ornamenting stone. 1,667,309; Apr. 24.
- Chase, Elroy A., Northfield, Vt. Stone-sawing machine. 1,695,364; Dec. 18.
- Chase, Frank W., Melrose, assignor to Weldfast System, Inc., Salem, Mass. Machine for bundling paper currency. 1,665,730; Apr. 10.
- Chase, Frank W., Melrose, assignor to Weldfast System, Inc., Salem, Mass. Machine for bundling currency. 1,665,731; Apr. 10.
- Chase, Frank W., Melrose, assignor to Weldfast System, Inc., Salem, Mass. Package. 1,665,732; Apr. 10.
- Chase, George C., South Orange, assignor, by mesne assignments, to Monroe Calculating Machine Company, Orange, N. J. Full-cycle positioning mechanism. 1,664,661; Apr. 3.
- Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Multiplier mechanism for calculating machines. 1,685,074; Sept. 18.
- Chase, George H., and O. H. Flodin, Rochester, assignors to Bausch and Lomb Optical Company, New York, N. Y. Spectacle temple. 1,686,797; Oct. 9.
- Chase, Hamilton C., assignor of one-half to T. Weber, Los Angeles, Calif. Brake for vehicle. 1,696,879; Dec. 25.
- Chase, Joseph E., Schenectady, N. Y. Battery carrier. 1,671,812; May 29.
- Chase, Lewis B. (See Miller, G. C., Kurka, and Chase.)
- Chase, Lyle G., Plainfield, N. J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Skimmer inlet for boilers. 1,672,872; June 12.
- Chase, Reyburn T., assignor of one-half to F. B. Scott, Salt Lake City, Utah. Can opener. 1,670,238; May 15.
- Chase, Samuel, Long Beach, Calif. Tubing shock absorber. 1,669,898; May 15.
- Chassevent, Louis E., Paris, France. Preparation of plaster prior to using. 1,672,638; June 5.
- Chatelain, Andrey, Greenwich, Conn. Manufacturing molded cement bodies. 1,657,956; Jan. 31.
- Chatham, Frank L., Orleans, Ind. Cooling and ventilating device. 1,684,474; Sept. 18.
- Chatillon, George B., assignor to John Chatillon & Sons, New York, N. Y. Display device. 1,693,591; Dec. 4.
- Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)
- Chatillon, John, & Sons. (See Chatillon, George B., assignor.)
- Chaton Fibre Company. (See Chaney, Franklin V., assignor.)
- Chattin, Robert C., Mountain Home, Idaho. Ditching machine. 1,672,557; June 5.
- Chatwood Safe Company Limited, The. (See Bruckshaw, Herbert S., assignor.)
- Chaumet, Georges, also known as G. de Vadimon, Paris, France. Bracelet. Des. 75,547; June 19.
- Chauncey, Hattie M., Chattanooga, Tenn. Steam cooker. 1,659,721; Feb. 21.
- Chausse, Francis W. (See Luck, William F., assignor.)
- Chauveau, Louis L., Paris, France. Call selector. 1,661,748; Mar. 6.
- Chauveau, Louis L., Paris, France. Call selector. 1,695,840; Dec. 18.
- Chauveau, Louis L. E., Paris, France. Call selector. 1,655,689; Jan. 10.
- Chauveau, Louis L. E., Paris, France. Calling device. 1,665,622; Apr. 10.
- Chauveau, Louis L. E., Paris, France. Automatic switch board telephone system. 1,665,773; Apr. 10.
- Chaves Dental Instrument Corporation. (See Chayes, Herman E. S., assignor.)
- Chaves Dental Instrument Corporation. (See Chayes, H. B. S., and Jurgensen, assignors.)
- Chaves Dental Instrument Corporation. (See Jurgensen, August P., assignor.)
- Chayes, Herman E. S., New York, N. Y. Removable denture. 1,681,323; Aug. 21.
- Chayes, Herman E. S., assignor, by mesne assignments, to Chayes Dental Instrument Corporation, New York, N. Y. Machine for reducing or trimming material in strip form. 1,682,663; Aug. 28.
- Chayes, Herman E. S., and August P. Jurgensen, assignors, by mesne assignments, to Chayes Dental Instrument Corporation, New York, N. Y. Dental instrument. 1,681,324; Aug. 21.
- Chayes, Herman E. S., and A. P. Jurgensen, assignors to Chayes Dental Instrument Corporation, New York, N. Y. Dental tool holder. 1,688,136; Oct. 16.
- Chayes, Herman E. S., and A. P. Jurgensen, assignors to Chayes Dental Instrument Corporation, New York, N. Y. Quadrangle. 1,688,410; Oct. 23.
- Chayes, Herman E. S., assignor to Chayes Dental Instrument Corporation, New York, N. Y. Attachment for dental bridgework. 1,689,478; Oct. 30.
- Chayes, Herman E. S., and A. P. Jurgensen, assignors to Chayes Dental Instrument Corporation, New York, N. Y. Handpiece. 1,691,047; Nov. 13.
- Cheatham, Chester W., assignor of one-half to J. N. Nissen, Seattle, Wash. Measuring weir. 1,676,855; July 10.
- Cheatham Electric Switching Device Co. (See Robinson, Robert M., assignor.)

- Cheatham Electric Switching Device Company. (See Milton, John L., assignor.)
- Cheatham Electric Switching Device Company. (See Scoggan, Richard R., assignor.)
- Checonil, Eligio, Pueblo, Colo. Perambulator. 1,666,439; Apr. 17.
- Cheek, Tolbert F., assignor, by mesne assignments to Welte Company, Inc., New York, N. Y. Record-controlled musical instrument. 1,660,546; Feb. 28.
- Cheek, Tolbert F., assignor, by mesne assignments to Welte Company, Inc., New York, N. Y. Automatic musical instrument. 1,665,905; Apr. 10.
- Cheek, Tolbert F., assignor, by mesne assignments to Welte-Mignon Corporation, New York, N. Y. Record-controlled musical instrument. 1,676,633; July 10.
- Cheek, Tolbert F., New York, N. Y., assignor to The Aeolian Company. Universal player action. 1,691,640; Nov. 13.
- Cheeseman, Ellen V., Pasadena, Calif. Incense burner. 1,671,512; May 29.
- Cheeseman, Ralph T., Lynn, Mass., assignor to General Electric Company. Vibratory converter. 1,676,979; July 10.
- Cheetham, Gordon B., assignor to Toledo Scale Company, Toledo, Ohio. Bearing. 1,686,732; Oct. 9.
- Cheetham, Harold C. (See Redman, L. V., and Cheetham.)
- Chemical Construction Company. (See Hechenbleikner, Ingenuin, assignor.)
- Chemical Machinery Corporation. (See Short, Frank, assignor.)
- Chemical Preparations, Inc. (See McKenna, Frank J., assignor.)
- Chemical Works. (See Billeter, O., Rothlin, and Peyer, assignors.)
- Chemical Works formerly Sandoz. (See Boeniger, Melchior, assignor.)
- Chemical Works formerly Sandoz. (See Burckhardt, E., and Stärkle, assignors.)
- Chemical Works formerly Sandoz. (See Karrer, Paul, assignor.)
- Chemical Works formerly Sandoz. (See Knecht, Oscar, assignor.)
- Chemical Works, formerly Sandoz. (See Müller, Fritz, assignor.)
- Chemical Works formerly Sandoz. (See Rothlin, E., and Müller, assignors.)
- Chemical Works formerly Sandoz. (See Stocker, Ernst, assignor.)
- Chemical Works formerly Sandoz. (See von Neergaard, Karl, assignor.)
- Chemicolor Wood Preserving Co. (See Laffin, James E., assignor.)
- Chemicolor Wood Preserving Co. (See Renner, Herbert, assignor.)
- Chemipulp Process, Incorporated. (See Dunbar, Thomas L., assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Freund, Erich, assignor.)
- Chemische Fabrik auf Actien vorm. E. Schering. (See Jordan, Hans, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Meerwein, Hans, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schoeller, W., and Allardt assignors.)
- Chemische Fabrik auf Actien, vorm. E. Schering. (See Schoeller, W., and Jordan, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schoeller, W., and Schmidt, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schoeller, W., and Schotte, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schoeller, W., Feldt, Gehrke, and Borgwardt, assignors.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Schotte, Herbert, assignor.)
- Chemische Fabrik auf Actien (vorm. E. Schering). (See Stephan, Karl, assignor.)
- Chemische Fabrik in Billwärdern vorm. Hell & Sthamer A. G. (See Kühlwein, Fritz L., assignor.)
- Chemische Fabrik Ludwig Meyer. (See Molz, Emil, assignor.)
- Chemische Fabriken Dr. Kurt Albert G. m. b. H. (See Amann, August, assignor.)
- Chemische Fabrik von Heyden. (See Zellmann, R., and Lammering, assignors.)
- Chemische Fabrik Pott & Co. (See Pott, Rainer H., assignor.)
- Chemische Fabrik Pott & Co. (See Sajitz, R., and Pospiech, assignors.)
- Cheta, Elizabeth H. (See Arden, Thomas R., assignor.)
- Cheln, Elizabeth H. (See Berger, Isadore, assignor.)
- Chenel, Albert, New Bedford, Mass. Refuse holder. 1,659,722; Feb. 21.
- Cheney Brothers. (See Johnson, John E., assignor.)
- Cheney Brothers. (See Virgile, Gabriel J., assignor.)
- Cheney, Byron M. (See Wiebler, George, H. B., and W. T., assignors.)
- Cheney, Byron M., Chicago, Ill. Bearing plate for rail anchors. 1,676,888; July 10.
- Cheney, Byron M., Chicago, Ill. Rail anchor. 1,678,461; July 24.
- Cheney, Byron M., Chicago, Ill. Rail joint. 1,690,885; Nov. 6.
- Cheney, Charles W., Boston, Mass. Cylsterizing apparatus. 1,672,709; June 5.
- Cheney, Moses E., assignor to National Gauge & Equipment Company, La Crosse, Wis. Liquid-level gauge. 1,690,215; Nov. 6.
- Cheney, Sarah E., Los Angeles, Calif. Alarm apparatus. 1,691,378; Nov. 13.
- Cheney, S., and Son. (See Littler, James H., assignor.)
- Chemisch-Pharmazeutische Aktiengesellschaft Bad Homburg. (See Liebrecht, Arthur, assignor.)
- Chemische Fabrik auf Actien, vorm. E. Schering. (See Schoeller, W., and Schmidt, assignors.)
- Cherniak, Nicholas, Bronx, N. Y. Garter hosiery. 1,667,707; Apr. 24.
- Chernow, Joseph I. (See Chernow, Michael and J. I.)
- Chernow, Michael, Brooklyn, N. Y. Escutcheon monogram plate. Des. 76,734; Oct. 30.
- Chernow, Michael and J. I., Brooklyn, N. Y. Monogram structure. 1,689,619; Oct. 30.
- Chéron, Jules J., Paris, France. Fountain brush. 1,676,857; July 10.
- Cherry-Burrell Corporation. (See Bagby, Ralph B., assignor.)
- Cherry, Carl W., San Francisco, Calif. Home savings bank. 1,686,201; Oct. 2.
- Cherry, Carl W., San Francisco, Calif. Magnetic lock-operating device. 1,686,202; Oct. 2.
- Cherry, Cecil B. (See Joy, W. G., and Cherry.)
- Cherry, Effie M. (See Cherry, George C., assignor.)
- Cherry, George C., Dallas, Tex. Mosquito and insect trap. 1,671,404; May 29.
- Cherry, George C., assignor to E. M. Cherry, Dallas, Tex. Mosquito and insect trap. 1,693,368; Nov. 27.
- Cherry, George L., Portland, Oreg. Sill flashing. 1,677,130; July 17.
- Cherry, J. G. Company. (See Bagby, Ralph B., assignor.)
- Cherry, Louis D., Philadelphia, Pa. Telephone writing tablet. 1,660,186; Feb. 21.
- Cherry, Oscar A. (See Laymand, F. E., Richardson, and Cherry.)
- Cherry, Oscar A., Wauwatosa, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Sound record. 1,672,228; May 29.
- Cherry, Oscar A., and C. F. Chosa, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Plastic composition and production thereof. 1,678,635; July 31.
- Cheshier, Reuel C., assignor to Schlosser Brothers, Incorporated, Frankfort, Ind. Thermostatic control. 1,676,478; July 10.
- Cheshire, Edward, St. Petersburg, Fla. Saw blade. 1,663,241; Mar. 20.
- Chesley, Frank, Louisville, Ky. Moistening device. 1,667,067; Apr. 24.
- Chesley, Frank P., assignor to J. L. MacInery, Grand Rapids, Mich. Spring seat construction. 1,663,001; Mar. 20.
- Chesnin, Samuel S., New York, N. Y. Garment. 1,661,922; Mar. 6.
- Chesnutt, John L., Merced, Calif. Carburetor. 1,671,669; May 29.
- Chessin, Alexander, New York, N. Y. Gyroscopic apparatus. 1,677,331; July 17.
- Chesson, Andrew J., Kingston, N. C. Fertilizer distributor. 1,657,197; Jan. 24.
- Chester, Fremont, Rochester, N. Y. Sign. Des. 76,984; Nov. 27.
- Chesterton, Arthur W., Brookline, Mass. Packing. 1,675,923; July 3.
- Chetham, Edward, South Kensington, London, England. Strainer. 1,669,284; May 8.
- Chetlain, Frederick H., et al., trustee. (See Arey Fred. C., assignor.)
- Chetlew Manufacturing Company. (See Bliss, Chester T., assignor.)
- Chetteville, Rudolph, New York, N. Y. Camera focusing attachment. 1,675,598; July 3.
- Chevalet, Pierre A. (See Cusin, M., and Chevalet.)
- Chevalier, John F. (See Griswold, A. A., and Goddard, assignors.)
- Chevillat, Alfred, Paris, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,682,214; Aug. 28.
- Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft-replenishing looms. 1,662,235; Mar. 13.
- Chevrette, Augustin J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector on loom transferer. 1,663,902; Mar. 27.
- Chevrette, Augustin J., and V. H. Jennings, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing magazine for multishuttle looms. 1,639,716; Oct. 30.
- Chiapparelli, Frank, Aromas, Calif. Door holder. 1,667,771; May 1.
- Chiarello, Stefano, Brooklyn, N. Y. Car stake. 1,670,926; May 22.
- Chiarello, Stefano, Brooklyn, N. Y. Car stake. 1,670,927; May 22.
- Chiarello, Stefano, Brooklyn, N. Y. Car stake. 1,670,928; May 22.
- Chiarello, Stefano, Brooklyn, N. Y. Car stake. 1,670,929; May 22.
- Chiarello, Stefano, Brooklyn, N. Y. Telescopic car stake. 1,670,930; May 22.
- Chicago Bridge & Iron Company. (See Day, Clayton L., assignor.)

- Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)
- Chicago-Cleveland Car Roofing Company. (See Jacobs, Francis A., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Mattingley, Edward H., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Munro, Roy C., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Williams, Theron H., assignor.)
- Chicago-Cleveland Car Roofing Company. (See Wright, William, assignor.)
- Chicago Crucible Company. (See Hottinger, Adolph F., assignor.)
- Chicago Electric Manufacturing Co. (See Gough, James J., assignor.)
- Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
- Chicago Fire Brick Company. (See Abbott, Lyle S., assignor.)
- Chicago Flexible Shaft Company. (See Browning, George, assignor.)
- Chicago Flexible Shaft Company. (See Evans, Frederick G., assignor.)
- Chicago Flexible Shaft Company. (See Kocourek, Henry, assignor.)
- Chicago Flexible Shaft Company. (See Sjolín, Ernest, assignor.)
- Chicago Forging & Manufacturing Company. (See Baker, Melvin G., assignor.)
- Chicago Forging & Manufacturing Company. (See Gilmore, Charles B., assignor.)
- Chicago Fuse Mfg. Company. (See Johnson, Chester A., assignor.)
- Chicago Fuse Mfg. Company. (See Johnson, C. A., and Harland, assignors.)
- Chicago Fuse Mfg. Company. (See Kellner, Louis, assignor.)
- Chicago Fuse Mfg. Company. (See Lane, James L., assignor.)
- Chicago Hardware Foundry Company. (See Burgess, George A., assignor.)
- Chicago Hardware Foundry Company. (See Wackerle, Lewis E., assignor.)
- Chicago Jefferson Fuse & Electric Company. (See Johnson, Chester A., assignor.)
- Chicago Lino-Tabler Company. (See Hollister, W. C., and Chapman, assignors.)
- Chicago Lino-Tabler Company. (See Wallin, G. E., and Masengarb, assignors.)
- Chicago Lubricator Company. (See Farnsworth, Fordyce B., assignor.)
- Chicago Lubricator Company. (See Osbourne, Alfred S., assignor.)
- Chicago Metal Mfg. Co. (See Hauf, George F., assignor.)
- Chicago Metallic Manufacturing Co. (See Langel, Adrien L., assignor.)
- Chicago Mica Company. (See Frederick, Louis T., assignor.)
- Chicago Mill and Lumber Corporation. (See Gerlach, Charles W., assignor.)
- Chicago North Shore & Milwaukee Railroad Company. (See Otis, Harold A., assignor.)
- Chicago Pneumatic Tool Company. (See Blanding, Forrest H., assignor.)
- Chicago Pneumatic Tool Company. (See Collins, Anthony H., assignor.)
- Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)
- Chicago Pneumatic Tool Company. (See Dresser, Clarence J., assignor.)
- Chicago Pneumatic Tool Company. (See Hoffman, Leon F., assignor.)
- Chicago Pneumatic Tool Company. (See Kimman, Theodore P., assignor.)
- Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)
- Chicago Pneumatic Tool Company. (See Moody, J. C., and Hoffman, assignors.)
- Chicago Pneumatic Tool Company. (See Ochs, C., and Hildebrand, assignors.)
- Chicago Pneumatic Tool Company. (See Penberthy, Ernest, assignor.)
- Chicago Pneumatic Tool Company. (See Santos, John R. L., assignor.)
- Chicago Pneumatic Tool Company. (See Seaver, Samuel, assignor.)
- Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
- Chicago Pneumatic Tool Company. (See Wasson, H. C., and Collins, assignors.)
- Chicago Portrait Company. (See Boese, Edward H., assignor.)
- Chicago Pump Company. (See Durdin, Augustus C., jr., assignor.)
- Chicago Pump Company. (See Lindemann, Clarence W., assignor.)
- Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
- Chicago Railway Equipment Company. (See De Long, Frederic T., assignor.)
- Chicago Railway Equipment Company. (See Ekholm, Herbert W., assignor.)
- Chicago Railway Equipment Company. (See Le Beau, Ernest A., assignor.)
- Chicago Railway Signal & Supply Company. (See McCarthy, Daniel J., assignor.)
- Chicago Rawhide Manufacturing Company, The. (See Clark, Harold A., assignor.)
- Chicago Rhopac Products Company. (See Johnson, Norman E., assignor.)
- Chicago Rhopac Products Company. (See Lorentz, William, assignor.)
- Chicago Solder Company. (See Erich, John P., assignor.)
- Chicago Standard Metallic Packing Company. (See Badeker, John, assignor.)
- Chicago Steel Foundry Company. (See Bloxham, Ralph H., assignor.)
- Chicago Steel & Wire Company. (See Green, J. Birchard, assignor.)
- Chicago Stopper Company. (See Bragdon, Herbert J., assignor.)
- Chicago Telephone Supply Company. (See Frost, Herbert H., assignor.)
- Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)
- Chicago Trust Company, trustees. (See Kus, Thomas G., assignor.)
- Chick, Gerturde G., San Francisco, Calif. Garment. 1,671,670; May 29.
- Chicle Development Company. (See Yates, Sheldon S., assignor.)
- Chilester, William I., Portland, Oreg. Freeing cellulose fibers from vegetable materials. 1,659,809; Feb. 21.
- Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing. 1,683,593; Sept. 11.
- Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft bearing. 1,683,594; Sept. 11.
- Chiffriermaschinen Aktiengesellschaft. (See Scherbius, Arthur, assignor.)
- Child, Herbert E. (See Penney, L. W., and Child.)
- Childers, George P., San Francisco, Calif. Drip pan. Des. 76,378; Sept. 25.
- Childs, William L. (See Humason, G. A., and Childs.)
- Childs, William L., G. E. Behnke, and O. Duda, assignors to Reed Roller Bit Company, Houston, Tex. Deepwell-drilling apparatus. 1,656,471; Jan. 17.
- Chiles, Raymond A., Spokane, Wash. Mitten. 1,680,592; Aug. 14.
- Chilman, Ivar, Hoquiam, Wash. Gurdy. 1,666,552; Apr. 17.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,683,329; Sept. 4.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,683,330; Sept. 4.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,683,331; Sept. 4.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,683,332; Sept. 4.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,683,333; Sept. 4.
- Chilton, Ralph H., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,683,334; Sept. 4.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Healey-Aeromarine Bus Company, Inc. Engine starter. 1,660,953; Feb. 28.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Healey-Aeromarine Bus Company, Inc. Oil-separating device. 1,674,191; June 19.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Healey-Aeromarine Bus Company, Inc. Driving mechanism. 1,676,322; July 10.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Aeromarine Starter Company, Inc. Starter mechanism. 1,679,602; Aug. 7.
- Chilton, Roland, Keyport, N. J., assignor, by mesne assignments, to Aeromarine Starter Company, Inc. Friction transmission. 1,691,625; Nov. 13.
- China, Frederick J. E., Esher, England. Minute disintegration of substances. 1,690,667; Nov. 6.
- China, Frederick J. E., Esher, England. Disintegrating device. 1,690,668; Nov. 6.
- China, Frederick J. E., Esher, England. Method and apparatus for producing suspensions. 1,690,669; Nov. 6.
- Chinn, Neil M., assignor of one-fourth to R. H. Wilson and one-fourth to T. B. Wilson, Perry, Okla. Bearing. 1,694,438; Dec. 11.
- Chipman, Ralph N., Plainfield, N. J. Weed killer and method of killing weeds. 1,694,205; Dec. 4.
- Chiron Stamp Company. (See Smith, Albert K., jr., assignor.)
- Chirocosta, Frank. (See Santicola, Quentin, assignor.)
- Chireix, Henri, Paris, France. Radio transmission receiving system. 1,682,664; Aug. 28.
- Chireix, Henri, Paris, France. Wireless-telephone tube sending station. 1,687,828; Oct. 16.

- Chirol, Maurice, Bourg-la-Reine, assignor to Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, Montrouge, Seine, and L'Action à Distance, Paris, France. Device for resetting power-driven mechanisms to a predetermined position. 1,672,802; June 5.
- Chisholm, Arron R., East Orange, N. J. Spoon tray. 1,661,787; Mar. 6.
- Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Embossing and printing machine. 1,690,442; Nov. 6.
- Chisholm, Earl G., Malden, Mass. Game. 1,669,861; May 15.
- Chisholm, Frank K., Goulburn, Australia. Tobacco substitute with therapeutical properties. 1,680,860; Aug. 14.
- Chisholm, Lester B., Stoneham, Mass. Covered elastic thread or the like. 1,655,089; Jan. 3.
- Chisholm, Lester B., Melrose, assignor to Everlastik, Inc., Chelsea, Mass. Woven elastic fabric. 1,666,325; Apr. 17.
- Chisholm, Lester B., Melrose, assignor to Everlastik, Inc., Chelsea, Mass. Fabric. 1,666,686; Apr. 17.
- Chisum, Earl D. (See Collier, J. H., and Chisum.)
- Chitra, John, Chicago, Ill. Lamp shade. 1,662,362; Mar. 13.
- Chittenden, Eason R., Surbiton, England. Spring hook. 1,672,710; June 5.
- Chittenden, Elbert. (See Vilneau, W. W., and Chittenden.)
- Chittick, William S., et al. (See Greene, Marius, assignor.)
- Chivers, Henry A., South Camberwell, Victoria, assignor to N. B. Moss, Hawthorn, Australia. Combined headlamp-dimming switch and horn switch for motor vehicles. 1,670,842; May 22.
- Chivers & Sons Limited. (See Fison, Frederick J., assignor.)
- Chobar, Louis W., Lancaster, Nebr. Reed clipper. 1,675,161; June 26.
- Chocolat Tobler Holding Co. Aktiengesellschaft. (See Egli, Arnold A., assignor.)
- Chocolat Tobler Holding Co. Aktiengesellschaft. (See Schäffer, Werner, assignor.)
- Chollet, Louis, assignor to Compagnie Industrielle et Commerciale du Cycle et de L'Automobile, Paris, France. Motor horn. 1,662,363; Mar. 13.
- Chonla, Helene, El Paso, Tex. Handkerchief. 1,672,803; June 5.
- Choquette, John A., Ottawa, Ontario, Canada. Fluid turbine. 1,661,716; Mar. 6.
- Choquette, John A., Ottawa, Ontario, Canada. Auxiliary power means for ships and the like. 1,689,114; Oct. 23.
- Chorley, Percy. (See Badley, J., Chorley, and Butler.)
- Chosa, Cleus F. (See Cherry, O. A., and Chosa.)
- Chosa, Cleus F., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Composition material adapted to the plastic art. 1,671,229; May 29.
- Chosa, Cleus F., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Composition material adapted to the plastic art. 1,671,230; May 29.
- Chouinard, Harry A., Maywood, Ill. Electric inhaler. 1,659,970; Feb. 21.
- Chouinard, Oscar, assignor to H. Wykes, New York, N. Y. Step and repeat machine. 1,688,786; Oct. 23.
- Chown, Charles H., Peoria, Ill. Wall structure and building the same. 1,688,523; Oct. 23.
- Chr. Gfeller Aktiengesellschaft. (See Trachsel, Fritz, assignor.)
- Chr. Hostmann-Steinberg's che Farbenfabriken G. m. b. H. (See Machtof, Josef, assignor.)
- Christ, Andrew, jr., Chicago, Ill. Shipping-cover bag. 1,691,379; Nov. 13.
- Christ, Roy H. (See Shimer, W. R., and Christ.)
- Christ, Servatius R., and P. N. Braun, assignors to The Prosperity Company Inc., Syracuse, N. Y. Pressing-machine plaiting attachment. 1,679,813; Aug. 7.
- Christen, John E., San Rafael, Calif. Shock absorber. 1,696,429; Dec. 25.
- Christen, Victor H., Detroit, Mich. Windshield wiper. 1,681,395; Aug. 21.
- Christensen, Alfred H. L., assignor to A. B. Dräger, Lubeck, Germany. Elfriede Dräger, née Stange, executrix of said Dräger, deceased. Setting for eyeglasses. 1,686,516; Oct. 9.
- Christensen, Anker L. (See Hawkes, C. E., and Christensen.)
- Christensen, Chester W. (See North, C. O., and Christensen.)
- Christensen, Christ M., Albert Lea, Minn. Clutch-pedal control. 1,669,970; May 15.
- Christensen, Jens C., Buffalo, N. Y. Refrigerator. 1,686,072; Oct. 2.
- Christensen, Lewis H. (See D'Ardenne, W. H., Landis, and Christensen.)
- Christensen, Niels A., Milwaukee, Wis. Duplex brake. 1,664,451; Apr. 3.
- Christensen, Niels A., Milwaukee, Wis. Vehicle brake mechanism. 1,693,887; Dec. 4.
- Christensen, Niels A., Cleveland, Ohio. Brake-control valve. 1,676,980; July 10.
- Christensen, Niels A., Cleveland, Ohio. Transmission brake mechanism. 1,679,154; July 31.
- Christensen, Niels A., Cleveland, Ohio. Brake. 1,690,855; Nov. 6.
- Christensen, Niels C., Salt Lake City, Utah. Making anhydrous aluminum chloride. 1,673,495; June 12.
- Christensen, Niels C., Salt Lake City, Utah. Treating ores with chloride solutions. 1,696,471; Dec. 25.
- Christiansen, Neils, and E. A. Illeburn, Gull Lake, Saskatchewan, Canada. Intermediate gear for automobiles. 1,696,837; Dec. 25.
- Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Filled-bag-sewing machine. 1,675,450; July 3.
- Christensen, Oscar, assignor to Locke Insulator Corporation, Baltimore, Md. Self-cleaning oil burner. 1,664,967; Apr. 3.
- Christensen, Valdemar, Cincinnati, Ohio. Sterilizing and incubating apparatus. 1,695,008; Dec. 11.
- Christenson, Harold, Savannah, Ga. Pedal-actuating device. 1,676,686; July 10.
- Christia, George and P., Detroit, Mich. Wheel. 1,657,743; Jan. 31.
- Christia, Peter. (See Christia, George and P.)
- Christian, Charles H., and C. F. Walker, Cleveland, Ohio. Bin-gate arrangement. 1,695,272; Dec. 18.
- Christian, James L., Denver, Colo. Track drill. 1,690,102; Nov. 6.
- Christian, Matthias, Springfield, Mo. Lubricating device. 1,660,433; Feb. 28.
- Christian, Raymond A., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,660,373; Feb. 28.
- Christiansen, Bror, Smedjebacken, Sweden. Roasting and reducing ores. 1,680,861; Aug. 14.
- Christiansen, Christian, assignor to New-Way Harvester Co., Sioux Falls, S. Dak. Grain-shocking machine. 1,656,774; Jan. 17.
- Christiansen, Ejnar, Birmingham, England. Appliance for delivering granular material in measured quantities by volume. 1,690,476; Nov. 6.
- Christiansen, Walter, Miami, Fla. Solar heater. 1,672,750; June 5.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Railway car. 1,661,717; Mar. 6.
- Christianson, Arnold and C., Hammond, Ind. Side bearing. 1,664,915; Apr. 3.
- Christianson, Arnold and C., Hammond, Ind. Brake structure. 1,669,862; May 15.
- Christianson, Arnold and C., Hammond, Ind. Car-door structure. 1,676,426; July 10.
- Christianson, Carl, Madison, Wis. Transmission attachment. 1,669,738; May 15.
- Christianson, Chris A., Ulen, Minn. Ventilating sash. 1,685,311; Sept. 25.
- Christianson, Christian. (See Christianson, Arnold and C.)
- Christianson, Herman C., et al. (See Odean, Henry T., assignor.)
- Christianson, Magnus, Brooklyn, N. Y. Fountain washing apparatus. 1,663,439; Mar. 20.
- Christianson, Milton E., Jasper, Minn. Arch supporter. 1,694,582; Dec. 11.
- Christie, Charles H., Butler, Pa. Glass-polishing apparatus. 1,673,733; June 12.
- Christie, Henry T., Edmonton, Alberta, Canada. Multiple-tap switch. 1,670,189; May 15.
- Christie, Howard E., Bronx, N. Y. Clutch device. 1,688,852; Oct. 23.
- Christie, Walter, Avon, assignor to C. R. Lord and C. Farris, Newark, N. J. Convertible wheeled truck tractor. 1,673,102; June 12.
- Christman, Clarence H., assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Treating corn-syrup and corn-sugar liquors. 1,692,817; Nov. 27.
- Christman, Louis P., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,687,057; Oct. 9.
- Christman, Matthias, Springfield, Mo. Journal box. 1,675,641; July 3.
- Christman, Peter J., Green Bay, Wis. Interfolding machine. 1,666,553; Apr. 17.
- Christman, Peter J., assignor to Paper Converting Machine Co., Inc., Green Bay, Wis. Napkin fold. 1,683,335; Sept. 4.
- Christman, Peter J., jr., assignor to Paper Converting Machine Company, Green Bay, Wis. Interfolding machine. 1,675,162; June 26.
- Christofferson, Franklin H., San Ysidro, Calif. Brake mechanism for motor cycles and the like. 1,656,472; Jan. 17.
- Christoph, Edward A., Chicago, Ill. Amusement device. 1,667,101; Apr. 24.
- Christoph, Edward A., assignor of one-third to A. Cohn and one-third to L. H. Debs, Chicago, Ill. Game apparatus. 1,670,608; May 22.
- Christoph, George W., Warehouse Point, Conn. Soldering radiators. 1,692,818; Nov. 27.
- Christophel, Carl E., Pearl River, assignor to Dexter Folder Company, New York, N. Y. Sheet-feeding machine. 1,666,165; Apr. 17.
- Christopher, Calvin F., Canton, N. C. Measuring instrument. 1,663,440; Mar. 20.
- Christopher, Calvin F., Canton, N. C. Calculating device. 1,674,157; June 19.

- Christopher, Harold S., Los Angeles, Calif. Cleaning and coating machine for pipes and the like. 1,668,265; May 1.
- Christopher, Harry J., Westfield, N. J., assignor to American Telephone and Telegraph Company. Locking device for switch keys. 1,689,230; Oct. 30.
- Christophersen, Hagbart S., Odense, Denmark. Alarm device for acoustic indication of air deficiency in pneumatic tires, especially for automobiles. 1,655,132; Jan. 3.
- Christy, Bayard H., Sewickley, assignor to Williams Welding & Manufacturing Company, Charleroi, Pa. Door for furnaces. 1,690,619; Nov. 6.
- Christy, Joseph E., and J. F. Sloan, Barton, Ohio. Crosstie. 1,666,810; Apr. 17.
- Christy, Lee A., and G. E. Dolph, Dallas, Tex. Clamp for concrete forms. 1,656,420; Jan. 17.
- Chriswell, Frederick W., Seattle, Wash. High-stake car bunk. 1,665,623; Apr. 10.
- Chrysler Corporation. (See Breer, Carl, assignor.)
- Chrysler Corporation. (See Calkins, William G., assignor.)
- Chrysler Corporation. (See Clark, Oliver H., assignor.)
- Chrysler Corporation. (See Couture, Allan B., assignor.)
- Chrysler Corporation. (See Freeman, L. C., Maynard, and Breer, assignors.)
- Chrysler Corporation, et al. (See Maynard, Howard E., assignor.)
- Chrysler Corporation. (See Werdehoff, Albert B., assignor.)
- Chrysler Corporation. (See Woolson, Harry T., assignor.)
- Chrysler Corporation. (See Zeder, James C., assignor.)
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Dynamo frame. 1,664,540; Apr. 3.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,678,934; July 31.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,679,405; Aug. 7.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,683,239; Sept. 4.
- Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Controller lock. 1,687,058; Oct. 9.
- Chryst, William A., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Electric switch. 1,693,998; Dec. 4.
- Chryst, William A., and H. C. Walters, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Liquid-supply apparatus. 1,661,359; Mar. 6.
- Chubb, Annie L., Oakland, Calif. Clothes-hanger holder. 1,686,125; Oct. 2.
- Chubb, Lewis W., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wave-deviation meter. 1,654,576; Jan. 3.
- Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Maximum-demand meter. 1,664,243; Mar. 27.
- Church, Charles F., et al. (See Reich, Otto F., assignor.)
- Church, Edgar D., assignor to Jackson & Church Co., Saginaw, Mich. Car coupler. 1,661,465; Mar. 6.
- Church, Harold D., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Spring-shackle construction. 1,656,726; Jan. 17.
- Church, Harold D., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Frame construction for motor vehicles. 1,657,853; Jan. 31.
- Church, Harold D., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Clutch plate. 1,685,983; Oct. 2.
- Church, Lewis H., Roselle, assignor to The Thomas & Betts Co., Elizabeth, N. J. Capped elbow. 1,681,097; Aug. 14.
- Church, Walter L., assignor of one-half to W. L. Pearce, Houston, Tex. Tubing slip and spider. 1,656,043; Jan. 10.
- Church, William H., Calgary, Alberta, Canada. Grain-cleaning machine. 1,668,629; May 8.
- Church, William T., et al. (See Reich, Otto F., assignor.)
- Churcher, William B., assignor to The White Motor Company, Cleveland, Ohio. Automotive head lamp. 1,677,769; July 10.
- Churchill, Leonard R., Bayonne, N. J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Producing carbon black from mixtures of acetylene and other hydrocarbons. 1,673,496; June 12.
- Churchill, Loren R. (See Carlson, I. E., and Churchill.)
- Churchill Machine Tool Company Limited. (See Asbridge, Harry H., assignor.)
- Churchill, McGinnis, Murray, Nebr. Plow. 1,690,055; Oct. 30.
- Churchill's, Incorporated. (See Kunz, Andrew E., assignor.)
- Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Electric welding apparatus. 1,664,022; Mar. 27.
- Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc., Hoboken, N. J. Electric welding apparatus. 1,667,244; Apr. 24.
- Churchward, Alexander, New York, N. Y., assignor to Wilson Welder & Metals Company, Inc. Electric welding apparatus. 1,687,492; Oct. 16.
- Churchward, Jack, New Haven, Conn. Vulcanizing pan. 1,679,114; July 31.
- Chuse, Harry A., assignor, by mesne assignments, to Mattoon Engine Works, Mattoon, Ill. Uniflow engine. 1,678,209; July 24.
- Chute, Edgar, et al. (See Ewig, John M., assignor.)
- Chute, Harry O., New York, N. Y. Vulcanization accelerator. 1,673,801; June 19.
- Chute, Hiram E., Los Angeles, Calif. Bridle for piano actions. 1,663,538; Mar. 27.
- Cibulas, Stephen E., Bridgeport, Conn. Skylight construction. 1,656,044; Jan. 10.
- Cicccone, Anthony, Fort Wayne, Ind. Key pad for wind instruments. 1,681,220; Aug. 21.
- Cicccone, Luigi, Maspeth, N. Y. Envelope-feeding apparatus. 1,661,816; Mar. 6.
- Cicero, William A., Birchdale, Minn. Combined cant hook and ax. 1,679,814; Aug. 7.
- Cichon, Albert J., San Antonio, Tex. Tweezers. 1,657,497; Jan. 31.
- Cichon, Albert J., San Antonio, Tex. Filing fixture. 1,684,011; Sept. 11.
- Cierplikowski, Antoine, Paris, France. Air-curling device. 1,685,773; Oct. 2.
- Cieslewicz, Stanislaus J. (See Paluck, Alexander E., assignor.)
- Cigol, Frank A., Paterson, N. J. Toy ball. Des. 74,213; Jan. 10.
- Cigol, Frank A., Paterson, N. J., and F. T. Roberts, Yonkers, assignors to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. Flush-tank bulb. 1,668,803; May 8.
- Cimorosi, Alberto. (See Cimorosi, Clement, assignor.)
- Cimorosi, Clement, assignor to A. Cimorosi, Elkton, Md. Torpedo casing. 1,687,929; Oct. 16.
- Cinch Manufacturing Corporation. (See Vodicka, John, assignor.)
- Cincinnati Ball Crank Company, The. (See Walter, Fred C., assignor.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
- Cincinnati Bickford Tool Company, The. (See Klausmeyer, D. C., and Julien, assignors.)
- Cincinnati Bickford Tool Company, The. (See Merryweather, George E., assignor.)
- Cincinnati Bickford Tool Company, The. (See Schauer, O. E., and Rickwood, assignors.)
- Cincinnati Butchers' Supply Company, The. (See Fritz, Rudolph A., jr., assignor.)
- Cincinnati Butchers' Supply Company, The. (See McTavish, Robert, assignor.)
- Cincinnati Butchers' Supply Company, The. (See Schmidt, Gustav, assignor.)
- Cincinnati Butchers' Supply Company. (See Schmidt, Oscar C., assignor.)
- Cincinnati Candy Company, The. (See Bogue, R. D., and Fromhold, assignors.)
- Cincinnati Candy Company, The. (See Bogue, Robert D., assignor.)
- Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
- Cincinnati Car Company, The. (See Stuck, Walter G., assignor.)
- Cincinnati Grinders Incorporated. (See Archea, Walter D., assignor.)
- Cincinnati Grinders Incorporated. (See Booth, Clement, assignor.)
- Cincinnati Grinders Incorporated. (See Caster, John E., assignor.)
- Cincinnati Grinders Incorporated. (See Einstein, Sol, assignor.)
- Cincinnati Grinders Incorporated. (See Einstein, S., Peaslee, and Haas, assignors.)
- Cincinnati Grinders Incorporated. (See Heim, Lewis R., assignor.)
- Cincinnati Grinders Incorporated. (See Kimmel, George C., assignor.)
- Cincinnati Grinders Incorporated. (See Nenninger, Lester F., assignor.)
- Cincinnati Grinders Incorporated. (See Norton, Charles H., assignor.)
- Cincinnati Grinders Incorporated. (See Smith, C. O., and Booth, assignors.)
- Cincinnati Grinders Incorporated. (See Turner, Albert, assignor.)
- Cincinnati Milling Machine Company, The. (See Einstein, Sol, assignor.)
- Cincinnati Milling Machine Company, The. (See Einstein, S., Nenninger, and Isler, assignors.)
- Cincinnati Patent Engineering Company, The. (See Cornish, Guy S., assignor.)
- Cincinnati Shaper Company, The. (See Hazelton, Robert T., assignor.)
- Cincinnati Time Recorder Company, The. (See Yates, James W., assignor.)
- Cincinnati Victor Company, The. (See Ryder, Charles D., assignor.)
- Cinema Studios Supply Corporation. (See Brown, Harry D., assignor.)
- Ciner, Emanuel, New York, N. Y. Ring. Des. 77,219; Dec. 18.
- Cino Chemical Products Company, The. (See Davis, Allen, jr., assignor.)
- Cipriano, Gandolfo, Dongan Hills, N. Y. Sifter shovel. 1,675,092; June 26.

- Circle F. Mfg. Co., (See Freeman, Edgar H., assignor.)
 Cirou, Paul A., Tlemcen, Algeria. Device for elevating water. 1,685,907; Oct. 2.
 Citron, William J., San Francisco, Calif. Method of and apparatus for recording and exhibiting. 1,664,770; Apr. 3.
 City Dairies Company, (See Huefner, Joseph, assignor.)
 Cizek, Robert, Francis Creek, Wis. Signaling device for vehicles. 1,667,653; Apr. 24.
 Claar, Harry, Watson, assignor to Deere & Company, Moline, Ill. Lime-spreading attachment for manure spreaders. 1,669,693; May 15.
 Claasen, Walther, Cologne-on-the-Rhine, Germany. Production of ester mixtures. 1,656,883; Jan. 17.
 Clade, Robert, Newark, N. J., and H. B. Ensign, St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Filter. 1,665,345; Apr. 10.
 Claessens, Frederick C., (See Miller, Paul, assignor.)
 Cladin, Charles A., Medford, Mass. Oiling mechanism for air-actuated devices. 1,661,561; Mar. 6.
 Cladin, Charles A., Medford, assignor to Superior Engineering Company, Boston, Mass. Soot blower for steam boilers. 1,677,383; July 17.
 Claghorn, Clarence R., Baltimore, Md. Conveyer. 1,669,590; May 15.
 Clamp Nail Company, (See Jensen, Carl C., assignor.)
 Clancy, John C., New York, N. Y. Cracking oils. 1,658,116; Feb. 7.
 Claney, Samuel E., (See Leopold, F., Claney, and Garis.)
 Clapham, Charles F., Chicago, Ill. Oil burner. 1,669,810; May 15.
 Clapp, Albert L., Danvers, Mass. Synthetic resin fiber board. 1,684,755; Sept. 18.
 Clapp, Albert L., Danvers, assignor to Bennett, Incorporated, Boston, Mass. Thermoplastic pulp. 1,668,760; May 8.
 Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Hair felt and method of making. 1,673,967; June 19.
 Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Hair felt and method of making. 1,674,948; June 26.
 Clapp, Albert L., Danvers, assignor to Beckwith Manufacturing Company, Boston, Mass. Button board and manufacture. 1,683,605; Sept. 11.
 Clapp, George W., R. W. Tench, and L. W. Dunham, New York, N. Y., assignors to The Dentists' Supply Company, Denture, partial denture, and making same. 1,692,928; Nov. 27.
 Clapp, Harvey, & Co., (See Person, Axel, assignor.)
 Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Motor-driven compressor. 1,657,198; Jan. 24.
 Clapp, Lewis J., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,657,200; Jan. 24.
 Clapp, Rowland C., Portland, Oreg. Grain-delivery chute. 1,654,719; Jan. 3.
 Clapper, John S., assignor to Toro Manufacturing Company, Minneapolis, Minn. Lawn mower. 1,693,475; Nov. 27.
 Claremont, Claude A., Rosslyn Hill, Hampstead, England. Games racket. 1,687,322; Oct. 9.
 Claremont Waste Manufacturing Company, (See Parent, Louis E., assignor.)
 Clarin, Werner E., (See Rosenthal, A. E., and Clarin.)
 Clarinda Manufacturing Company, (See Criner, Harry J., assignor.)
 Clark, Albert L., jr., Ann Arbor, Mich. Plotting instrument. 1,652,035; Aug. 28.
 Clark, Alfred B., and A. C. Koester, London, England. Combined wristlet, note pad and pencil holder. Des. 76,777; Nov. 6.
 Clark, Alfred T., H. A. Leonhauser, and J. R. Jester, Baltimore, Md. Air-pipe connection for articulated cars. 1,681,659; Aug. 21.
 Clark, Alfred T., H. A. Leonhauser, and J. R. Jester, Baltimore, Md. Junction-box mounting. 1,695,633; Dec. 18.
 Clark, Alva B., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical circuit. 1,672,057; June 5.
 Clark, Alva B., Brooklyn, and D. K. Gannett, Jackson Heights, N. Y., assignors to American Telephone and Telegraph Company. System of picture transmission. 1,661,167; Mar. 6.
 Clark, Alva B., Brooklyn, N. Y., H. Nyquist, Millburn, N. J., and D. K. Gannett, Jackson Heights, N. Y., assignors to American Telephone and Telegraph Company. Electrical picture-transmitting system. 1,691,147; Nov. 13.
 Clark, Alva C., (See Keeler, Henry C., assignor.)
 Clark, Arthur I., Providence, R. I. Finger ring. 1,673,617; June 12.
 Clark, Augustus L., Montpelier, Vt. Domestic gas plant. 1,664,284; Mar. 27.
 Clark, Benjamin S., (See Baldwin, Leon F. N., assignor.)
 Clark Box Company, The, (See Johnson, William C., assignor.)
 Clark Brothers Company, (See Clark, C. P., and Bjornnson, assignors.)
 Clark, Charles C., Indianapolis, Ind., assignor to Continental Optical Corporation, New York, N. Y. Holder for optical lenses. 1,683,712; Sept. 11.
 Clark, Charles F., (See Kline, A. L., and Clark.)
 Clark, Charles H., Bethel Township, Allegheny County, Pa. Railroad-car parts. 1,659,457; Feb. 14.
 Clark, Charles H., Bethel Township, and L. Beach, deceased, Mount Lebanon Township, Allegheny County, Pa.; P. C. Beach, administrator. Draft-rigging details. 1,659,458; Feb. 14.
 Clark, Charles H., New York, N. Y. Flexible coupling. 1,689,861; Oct. 30.
 Clark, Charles L., Pittsburgh, Pa., assignor to A. B. Chance, Centralia, Mo. Combined pole-line wrench and hammer. Des. 76,122; Aug. 21.
 Clark, Charles P., Olean, and C. A. Bjornnson, Wells-ville, assignors to Clark Brothers Company, Olean, N. Y. Fuel-injection mechanism. 1,693,546; Nov. 27.
 Clark, Charles W., Brooklyn, N. Y. Game apparatus. 1,681,799; Aug. 21.
 Clark, Clarence W., Ashland, Wis. Snowplow. 1,665,733; Apr. 10.
 Clark Controller Company, The, (See Rippl, Charles H., assignor.)
 Clark Controller Company, The, (See Schnabel, James F., assignor.)
 Clark, Cornelius S., assignor to Clark Engineering Corporation, Norfolk, Va. Internal-combustion engine. 1,660,255; Feb. 21.
 Clark, Cyrus A., Claremont, Calif. Razor-blade holder. 1,685,703; Sept. 25.
 Clark, David H., Orangeburg, N. Y. Receptacle with closure means therefor. 1,654,720; Jan. 3.
 Clark, Dolph M., Portland, Oreg. Combination sanitary automatic creamer attachment for coffee urns. 1,671,405; May 29.
 Clark, Don A., assignor to The Duston and Clark Engineering Company, Cleveland, Ohio. Rolling mill. 1,669,411; May 15.
 Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermal plug cut-out. 1,684,170; Sept. 11.
 Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic device. 1,695,879; Dec. 18.
 Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,659,083; Feb. 14.
 Clark, Edward F., assignor by mesne assignments, to Clark Lighter Co., Inc., North Attleboro, Mass. Cigar lighter. Des. 75,548; June 19.
 Clark, Edward F., assignor, by mesne assignments, to Clark Lighter Co., Inc., North Attleboro, Mass. Vapor cigar lighter. 1,688,485; Oct. 23.
 Clark, Edward F., assignor, by mesne assignments, to Clark Lighter Co., Inc., North Attleboro, Mass. Igniter. 1,692,627; Nov. 20.
 Clark, Elmer, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Base band for cushion tires. 1,669,600; May 15.
 Clark, Emerson L., Pittsburgh, Pa., assignor to Syntro Company. Electric switch. 1,690,103; Nov. 6.
 Clark, Emery E., Topeka, Kans. Rotary amusement device. 1,675,222; July 10.
 Clark Engineering Corporation, (See Clark, Cornelius S., assignor.)
 Clark, Ephraim J., Seattle, Wash. Feathering paddle wheel. 1,667,140; Apr. 24.
 Clark Equipment Company, (See Mogford, E. C., and Burger, assignors.)
 Clark, Ernest, Abington, assignor to Abington Textile Machinery Works, Boston, Mass. Vacuum stripper for carding engines. 1,671,063; May 22.
 Clark, Eugene C., (See Tutt, L. H., and Clark.)
 Clark, Eugene F., Leaksville, N. C., assignor to Marshall Field Mills Corporation, Philadelphia, Pa. Tube frame for tufted-pile-fabric looms. 1,662,563; Mar. 13.
 Clark, Everett E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,674,004; June 19.
 Clark, Everett E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube-frame bracket. 1,691,148; Nov. 13.
 Clark, Ezra E., Newtonville, Mass. Dry-pipe valve. 1,673,442; June 12.
 Clark, Farley G., (See Allan, William G., assignor.)
 Clark, Frank J., Battle Creek, Mich. Door-operating mechanism. 1,696,344; Dec. 25.
 Clark, Frank W., (See Travers, M. W., and Clark.)
 Clark, Frederick A., Dayton, Ohio. Drafting device. 1,662,882; Mar. 20.
 Clark, Frederick E., Albert Park, Victoria, assignor to F. I. Schilling, Brighton Beach, Victoria, Australia. Piston ring. 1,694,311; Dec. 4.
 Clark, George A., Elwood, Nebr. Automobile visor. 1,689,548; Oct. 30.
 Clark, George L., Arlington, Mass., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Method of and apparatus for effecting rapid drying operations. 1,668,943; May 8.
 Clark, George S., Huntington, W. Va. Lamp holder. 1,677,072; July 10.
 Clark Grave Vault Company, The, (See Beck Allen F., assignor.)
 Clark, Harold A., Highland Park, assignor to The Chicago Raybide Manufacturing Company, Chicago, Ill. Oil seal. 1,674,762; June 26.

- Clark, Harry, Chicago, Ill. Flower box. Des. 75,353; May 29.
- Clark, Harry A., Wichita Falls, Tex. Chain-reversing mechanism. 1,666,845; Apr. 17.
- Clark, Harry S., Long Beach, Calif. Street-lighting standard. Des. 75,414; June 5.
- Clark, Henry W., Danville, Ill. Drier. 1,687,829; Oct. 16.
- Clark, Herbert, Wyde Green, England. Universal joint or coupling. 1,665,734; Apr. 10.
- Clark, Herbert E., Lynwood, Calif. Well-driller's fishing tool. 1,657,788; Jan. 31.
- Clark, Herbert J., et al. (See Fletcher, George V., assignor.)
- Clark, Homer L. (See Bruckner, J. R., and Clark.)
- Clark, Horace W., Mattoon, Ill. Box or casing cover with fastener. 1,684,983; Sept. 18.
- Clark, Irwin A. (See Kaufman, H. L., and Clark.)
- Clark, J. R., Company. (See Kalgren, John E., assignor.)
- Clark, James F., N. Smith, and J. Meese, assignors to S. R. Dresser Manufacturing Company, Bradford, Pa. Wrought-metal connection for threaded pipe sections. 1,680,499; Aug. 14.
- Clark, James E. (See Clark, Thomas E. and J. E., and Coop.)
- Clark, James E. and T. E., Detroit, Mich. Electric fan and heater. 1,687,544; Oct. 16.
- Clark, James E., assignor to Continuous Train Control Corporation, Detroit, Mich. Safety circuit for train-control systems. 1,655,181; Jan. 3.
- Clark, James H., Miami, Fla. Bitt. 1,694,312; Dec. 4.
- Clark, James H., assignor to Briggs Manufacturing Company, Detroit, Mich. Frame construction for motor vehicles. 1,659,017; Feb. 14.
- Clark, James H., assignor to Briggs Manufacturing Company, Detroit, Mich. Chassis-frame construction. 1,659,018; Feb. 14.
- Clark, James H., assignor to Briggs Manufacturing Company, Detroit, Mich. Ventilator. 1,688,069; Oct. 16.
- Clark, James W., Monmouth, Ill. Slack adjuster. 1,663,623; Mar. 27.
- Clark, Jeddia B., assignor to The Indiana Glass Company, Dunkirk, Ind. Tumbler or similar article. Des. 76,985; Nov. 27.
- Clark, Jeddia B., assignor to The Indiana Glass Company, Dunkirk, Ind. Tumbler or similar article of manufacture. Des. 76,986; Nov. 27.
- Clark, John, Buffalo, N. Y. Connector. 1,688,176; Oct. 16.
- Clark, John A., Harrisburg, Pa. Steam trap. 1,660,705; Feb. 28.
- Clark, John H., Seattle, Wash. Deflating indicator. 1,681,608; Aug. 21.
- Clark, John J. (See Witherell, Eugene R., assignor.)
- Clark, John M., New York, N. Y. Antenna. 1,662,846; Mar. 20.
- Clark, John M., assignor to Universal Button Fastening and Button Company, Detroit, Mich. Germent loop. 1,676,770; July 10.
- Clark, John W., Providence, R. I. Apparatus for forming cord sheet material. 1,686,436; Oct. 2.
- Clark, Lester G., Ferndale, Mich. Crevice molding. 1,689,194; Oct. 30.
- Clark Lighter Co. (See Clark, Edward F., assignor.)
- Clark-Lindsay Corporation. (See Lindsay, Homer J., assignor.)
- Clark, Louis F., Grand Rapids, Mich., assignor to Union Carbide Sales Company, New York, N. Y. Treatment of copper minerals. 1,670,021; Mar. 15.
- Clark, Lucius R., and A. M. Yeomans, Chicago, Ill.; said Yeomans assignor to said Clark. Furniture bracing. 1,695,189; Dec. 11.
- Clark, Manley A., Tulsa, Okla. Pressure-regulating valve. 1,669,739; May 15.
- Clark Metal Products, Incorporated. (See Lovejoy, Louis B., assignor.)
- Clark, Milton O., Clarkston, Mich. Oil-storage tank. 1,681,098; Aug. 14.
- Clark, Nathaniel A., Clinton, Iowa. Sound amplifier. 1,696,624; Dec. 25.
- Clark, Nolan I., Beggs, Okla. Check valve for water-circulating systems. 1,693,888; Dec. 4.
- Clark, Oliver H., assignor to Chrysler Corporation, Detroit, Mich. Radiator shell. Des. 76,004; Aug. 14.
- Clark, Oliver H., assignor to Chrysler Corporation, Detroit, Mich. Combined radiator casing and hood. Des. 76,005; Aug. 14.
- Clark, Omar E. (See Skaer, A. H., Barker, and Clark.)
- Clark, Omar E., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drum-operating mechanism. 1,664,377; Mar. 27.
- Clark, Omar E., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Lubricator. 1,666,959; Apr. 24.
- Clark, Omar E., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Pneumatic hammer. 1,688,449; Oct. 23.
- Clark, Otto B., Evansville, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,658,760; Feb. 7.
- Clark, Paul L., Brooklyn, N. Y. Apparatus for the electrical transmission of visual images. 1,666,594; Apr. 17.
- Clark, Paul L., Brooklyn, N. Y. Electrical phototelescopic apparatus. 1,678,974; July 31.
- Clark, Raymond B., Freewater, Oreg. Film-winding mechanism. 1,682,553; Aug. 28.
- Clark, Raymond S., G. C. Prime, and M. C. Talcott, assignors to The Billings & Spencer Company, Hartford, Conn. Drop hammer. 1,670,493; May 22.
- Clark, Rex S., assignor to Norco Mfg. Co., Norco, Calif. Valve seal for revoluble-stem valves. 1,691,542; Nov. 13.
- Clark, Rheuben M., Joplin, Mo. Pump. 1,661,360; Mar. 6.
- Clark, Robert F., Denver, Colo., assignor to Oakland Foundry Co., Belleville, Ill. Stove. Des. 75,611; June 26.
- Clark, Robert G., Brooklyn, N. Y. Box-covering apparatus. 1,680,764; Aug. 14.
- Clark, Robert J., Whitmans, W. Va. Gate-operating means. 1,690,924; Nov. 6.
- Clark, Robert M., Natick, Mass. Metal pole construction. 1,672,246; June 5.
- Clark, Thomas B., assignor to Ward-Love Pump Corporation, Rockford, Ill. Water softener. 1,671,699; May 29.
- Clark, Thomas E. (See Clark, James E. and T. E.)
- Clark, Thomas E., assignor to Continuous Train Control Corporation, Detroit, Mich. Three-position relay. 1,655,220; Jan. 3.
- Clark, Thomas E., assignor to Continuous Train Control Corporation, Detroit, Mich. Safety installation for grade crossings. 1,685,480; Sept. 25.
- Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Track installation for train-control system. 1,655,221; Jan. 3.
- Clark, Thomas E. and J. E., assignors to Continuous Train Control Corporation, Detroit, Mich. Train-control apparatus. 1,685,479; Sept. 25.
- Clark, Thomas E. and J. E., and W. L. Coop., assignors to Continuous Train Control Corporation, Detroit, Mich. Train-control system. 1,694,373; Dec. 11.
- Clark Thread Company, The. (See Hart, Joseph J., assignor.)
- Clark Thread Company, The. (See Mowat, James R., assignor.)
- Clark Tractor Company. (See Burger, F. W., and Stockfleth, assignors.)
- Clark Tractor Company. (See Stockfleth, B., and Burger, assignors.)
- Clark, Virginius E. (See Geyer, H. D., and Clark.)
- Clark, W. R., Manufacturing Company. (See Clark, William R., assignor.)
- Clark, Walter B., Lincoln Park, assignor of one-half to I. D. Lawrence, Detroit, Mich. Window shield. 1,666,773; Apr. 17.
- Clark, Walter J., and W. M. Romine, Wichita, Kans. Dental flask. 1,680,364; Aug. 14.
- Clark, Warcham G., Escalon, Calif. Closure. 1,691,110; Nov. 13.
- Clark, Warren F., assignor to Automatic Electric Heater Company, Warren, Pa. Gluepot. 1,673,395; June 12.
- Clark, Warren F., assignor to Automatic Electric Heater Company, Warren, Pa. Portable melting pot. 1,681,099; Aug. 14.
- Clark, William C. (See Pugh, J. P., and Clark.)
- Clark, William D., Washington, D. C. Clock mounting. 1,665,491; Apr. 10.
- Clark, William G. (See Weston, E. B., and Clark.)
- Clark, William H., assignor to The Ansonia Clock Company, Brooklyn, N. Y. Clock hand. Des. 74,750; Mar. 27.
- Clark, William L. M., St. Louis, Mo. Game-piece support and process of using the same. 1,682,485; Aug. 28.
- Clark, William R., National City, assignor to W. R. Clark Manufacturing Company, San Diego, Calif. Curtain support. 1,654,530; Jan. 3.
- Clark, Wycliffe L., Jamestown, N. Y. Hinge. 1,681,974; Aug. 21.
- Clarke, Adam, Chicago, Ill. Heating stove. 1,669,078; May 8.
- Clarke, Alex A., Chicago, Ill. Portable electric jointer. 1,679,648; Aug. 7.
- Clarke, Alexander, assignor to United Hydro-Carbons Company, Charleston, W. Va. Method and mechanism for continuously distilling and condensing hydrocarbons. 1,674,852; June 26.
- Clarke, Alexander F., Pittsburgh, Pa. Guide apparatus for strip-rolling mills. 1,691,703; Nov. 13.
- Clarke, Cecil M., Chicago, Ill. Machine for forming sheets of insulating material. 1,659,240; Feb. 14.
- Clarke, Charles W. E., New York, N. Y. Heat-balance system. 1,656,421; Jan. 17.
- Clarke, Charles W. E., New York, N. Y. Condenser. 1,659,459; Feb. 14.
- Clarke, Clement S., assignor to Oil City Iron Works, Shreveport, La. Core-drilling head. 1,685,045; Sept. 18.
- Clarke, Edgar. (See Stewart, A. D., Clarke, and Vagg.)
- Clarke, Edgar W., Evanston, assignor to American Tar Products Company, Chicago, Ill. Apparatus and process for burning fuel. 1,660,831; Feb. 28.
- Clarke, Edward H., Peoria, Ill. Apparel hanger. 1,696,753; Dec. 25.
- Clarke, Edward L., Scranton, Pa. Window ventilator. 1,671,274; May 29.
- Clarke, Edward L., Scranton, Pa. Window ventilator. 1,686,407; Oct. 2.

- Clarke, Eugene C., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Trimming press. 1,667,654; Apr. 24.
- Clarke, Frank, Louisville, Ky. Window ventilator. 1,692,288; Nov. 20.
- Clarke, George G., New Berlinville, Pa. Resistance device for antennae circuits. 1,655,355; Jan. 3.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose esters of fatty acids and making the same. 1,668,944; May 8.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Esterifying hydrated cellulose with lower fatty acids. 1,668,945; May 8.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Reacetylating cellulose acetate. 1,668,946; May 8.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Esterifying mercerized cellulose with lower fatty acids. 1,687,059; Oct. 9.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose esters containing halogenated acyl groups and making the same. 1,687,060; Oct. 9.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose esters containing unsaturated organic acid groups. 1,690,620; Nov. 6.
- Clarke, Hans T., and C. J. Malm, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose esters containing nitro groups and halogen-substituted acyl groups. 1,690,621; Nov. 6.
- Clarke, Harley L., Evanston, Ill. Golf tee. 1,671,813; May 29.
- Clarke, Harry S., Long Beach, Calif. Street-lighting standard. Des. 75,413; June 5.
- Clarke, Harry W., Longview, Wash. Pipe connection. 1,665,346; Apr. 10.
- Clarke, Ira M., New Martinsville, W. Va. Glass jar or similar container. Des. 74,417; Feb. 14.
- Clarke, James A., Yonkers, assignor to Calkins & Holden, New York, N. Y. Powder box. 1,676,132; July 3.
- Clarke-Moore Corporation. (See Moore, Arlington, assignor.)
- Clarke, Ralph, New York, N. Y. Safety hook. 1,667,927; May 1.
- Clarke, Ralph A., assignor to Standard Radio Corporation, Worcester, Mass. Radiocircuits. 1,688,265; Oct. 16.
- Clarke, Ralph S., Walpole, Mass., assignor to Bird Machine Company. Apparatus for producing and feeding paper pulp. 1,668,141; May 1.
- Clarke, Samuel H., Baltimore, Md. Wheel for automobiles. 1,669,863; May 15.
- Clarke, Thomas J., Jamestown, N. Y. Powder box. 1,693,435; Nov. 27.
- Clarke, William H., and B. G. Cook, Lakewood, Ohio. Pick-up vehicle body and method of handling goods. 1,678,329; July 24.
- Clarke, William W. (See Hoffa, William, assignor.)
- Clarkson, John L., Nashville, Ill. Flexible railway track. 1,694,528; Dec. 11.
- Clarkson, Thomas, and H. R. Heal, Coffeyville, Kans. Removing amorphous wax and asphaltic material from oil. 1,686,437; Oct. 2.
- Clarkson, William, jr., Corsicana, Tex. Counterbalance for walking-beam pumping rigs. 1,657,150; Jan. 24.
- Clarkson, William B., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic device. 1,694,250; Dec. 4.
- Clary, William B. (See Ganzfried, A., and Clary.)
- Clas, Angelo R., Toledo, Ohio. Motion-picture apparatus. 1,681,723; Aug. 21.
- Clase, Charles A., Portland, Oreg. Inside micrometer gauge. 1,655,133; Jan. 3.
- Class, August, Harzewinkel, Germany. Knotter for binding mowers and straw binders. 1,676,177; July 3.
- Class, George M., assignor to Gisholt Machine Company, Madison, Wis. Tool post. 1,664,851; Apr. 3.
- Claud-Mantle, Arthur. (See Moore, R. G., and Claud-Mantle.)
- Claude, Georges, Paris, France, assignor, by mesne assignments, to Lazote Inc. Preparing catalytic materials. 1,671,345; May 29.
- Claude, Georges, Paris, France, assignor, by mesne assignments, to Lazote Inc. Apparatus for the synthesis of ammonia. 1,686,799; Oct. 9.
- Claude, Neon, Lights, Inc. (See Mallette, Lyle, assignor.)
- Clauder, Arthur W., Bridgeport, Conn., assignor to General Electric Company. Rotary switch handle. 1,677,706; July 17.
- Claus, Bruno, Magdeburg, Germany. Bed bidet. 1,685,693; Sept. 25.
- Claus, Carl, Plainfield, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Self-aligning bearing structure. 1,656,508; Jan. 17.
- Claus, Carl, Plainfield, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Self-aligning bearing structure and making same. 1,664,189; Mar. 27.
- Claus, Carl, Plainfield, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Steering-mast bushing. 1,674,623; June 19.
- Claus, Carl, Plainfield, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Self-aligning bearing and making same. 1,684,984; Sept. 18.
- Claus, Emil L., assignor to Claus Manufacturing Co., Milwaukee, Wis. Oven-heat regulator. 1,662,416; Mar. 13.
- Claus, Emil L. and W. E., assignors to Claus Manufacturing Co., Milwaukee, Wis. Oven-heat-regulating device. 1,694,682; Dec. 11.
- Claus Manufacturing Co. (See Claus, Emil L., assignor.)
- Claus Manufacturing Co. (See Claus, Emil L. and W. E., assignors.)
- Claus, Walter E. (See Claus, Emil L. and W. E.)
- Clausen, Leon E., Moline, Ill., assignor to The Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Side-delivery rake. 1,663,793; Mar. 27.
- Clausen, Sigurd, and C. V. Lindblad, Brooklyn, N. Y., assignors to International Cigar Machinery Company. Filler feed for scrap-bunch-cigar machines. 1,689,423; Oct. 30.
- Clausing, Arthur, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, and elsewhere. Alternating-current cable transmitter. 1,669,041; May 8.
- Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,655,938; Jan. 10.
- Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Golf tee. 1,655,226; Feb. 7.
- Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Concaving heels. 1,663,038; Mar. 20.
- Clausing, George, assignor, by mesne assignments, to Vulcan Corporation, Portsmouth, Ohio. Heel-turning machine. 1,694,465; Dec. 11.
- Clausing, Henry G., assignor to The Vulcan Last Company, Portsmouth, Ohio. Concaving heels. 1,670,568; May 22.
- Clausing, Leroy M. E., Chicago, Ill. Circuit for receiving radio and similar signals. 1,668,630; May 8.
- Clausing, Louis F., Burlingame, assignor to Royal Metal Works, San Francisco, Calif. Heating device. 1,666,367; Apr. 17.
- Clauss, George E., assignor to The Ansonia O & C Company, Ansonia, Conn. Elastic webbing. 1,673,551; June 12.
- Clauss, Robert K., Lehighton, Pa. Pill counting and dispensing machine. 1,677,546; July 17.
- Claveau, Emile, Tours, France. Construction of closed motor vehicles. 1,674,425; June 19.
- Clavel, René, Basel-Augst, Switzerland. Obtaining metallic effects on fabrics containing organic derivatives of cellulose. 1,694,466; Dec. 11.
- Clavin, Joseph M., and J. W. Lease, Cranston, assignors to Eastern Nail Company, Providence, R. I. Machine for delivering articles in measured quantities. 1,671,700; May 29.
- Clawson, Aquiller D., Chicago, Ill. Box. 1,663,441; Mar. 20.
- Clawson, Archie, Joliet, Mont. Grease cartridge for grease guns. 1,674,542; June 19.
- Claxton and Company Limited. (See Arcus, Charles R., assignor.)
- Clay-Adams Co. (See Risch, Oskar, assignor.)
- Clay, Cassius M., Mexico, Mo. Rotary rectifier. 1,661,923; Mar. 6.
- Clay, Francis H., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Annealing box. 1,668,230; May 1.
- Clay, Harry C., assignor to Reeves Pulley Company, Columbus, Ind. Controller for variable-speed transmission. 1,662,660; Mar. 13.
- Clay, Harry C., assignor to Reeves Pulley Company, Columbus, Ind. Control for variable-speed mechanism. 1,663,493; Mar. 20.
- Clay, Marshall F., Canton, Ohio. Window ventilator. 1,676,251; July 10.
- Clay, Marshall F., Canton, Ohio. Window ventilator. 1,682,739; Sept. 4.
- Clay, Wiley D., Ranger, Tex. Water heater. 1,672,151; June 5.
- Clay, William F. (See Conkle, R. H., Clay, and Weston.)
- Clay, William H., assignor of one-half to A. L. Johnson, Eustis, Fla. Trailer. 1,655,454; Jan. 10.
- Claybourn, Leslie W., Milwaukee, Wis. Printing machinery. 1,660,068; Feb. 21.
- Claybourn, Leslie W., Milwaukee, Wis. Printing machinery. 1,660,069; Feb. 21.
- Claybourn, Leslie W., Milwaukee, Wis. Correcting printing plates. 1,663,876; Mar. 27.
- Claybourn, Leslie W., Milwaukee, Wis. Apparatus for correcting printing plates. 1,663,877; Mar. 27.
- Claybourn, Leslie W., Milwaukee, Wis. Rotary printing machinery. 1,670,569; May 22.
- Claybourn, Leslie W., Milwaukee, Wis. Mixing machine. 1,675,694; July 3.
- Claybourn, Leslie W., Milwaukee, Wis. Conditioning printing ink. 1,675,695; July 3.
- Claybourn, Leslie W., Milwaukee, Wis. Forming molds for printing plates. 1,676,602; July 10.
- Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser mechanism for sewing machines. 1,675,696; July 3.
- Clayton, George E., Long Beach, Calif. Wave and current motor. 1,654,959; Jan. 3.

- Clayton Gin Compress Company. (See Mackenzie, Alexander S., assignor.)
- Clayton & Lambert Manufacturing Co. (See Blaskewitz, William, assignor.)
- Clayton & Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)
- Clayton and Lambert Manufacturing Company. (See Ironside, James, assignor.)
- Clayton, Martin M., Baden, Pa., assignor to National Metal Molding Company. Liner for electrical connectors. 1,677,332; July 17.
- Clayton, Martin M., Baden, Pa., assignor to National Metal Molding Company. Outlet-box connection. 1,688,853; Oct. 23.
- Clayton, Nephi W., Salt Lake City, Utah. Liquid-vending apparatus. 1,677,113; July 10.
- Clayton, Sidney, Chicago, Ill. Electric soldering device. 1,663,113; Mar. 20.
- Claytor, Spry O., Newark, Ohio. Hairpin. 1,667,310; Apr. 24.
- Cleaners Equipment Corporation, The. (See Fuqua, C. V., and Richa, assignors.)
- Clearfield Machine Company. (See McMurray, Walter E., assignor.)
- Clear Vision Pump Company, Limited. (See Manson, T. M., and Ward, assignors.)
- Cleary, Herbert J., Topeka, Kans. Sulky plow. 1,667,192; Apr. 24.
- Cleary, Janet E. (See Muller, F. A., and Basbert, assignors.)
- Cleary, Roy L., Kerlin, Ark. Shaving combination. 1,677,954; July 24.
- Cleaver, George E., assignor to Penn Hardware Company, Inc., Reading, Pa. Pin-tumbler lock. 1,685,022; Sept. 18.
- Cleaves, George C., Wollaston, assignor, by mesne assignments, to W. H. Doble, Quincy, Mass. Brush. 1,663,584; Mar. 27.
- Cleaves, William S., Wollaston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Making paper boxes. 1,693,023; Nov. 27.
- Cleifton, Clyde M., assignor to F. K. Cleifton, Austin, Minn. Oil burner. 1,687,606; Oct. 16.
- Cleifton, Florence K. (See Cleifton, Clyde M.)
- Clegg, Alice E. (See Clegg, William F. and A. E.)
- Clegg, Roy E., Chicago, Ill. Lock washer. 1,654,789; Jan. 3.
- Clegg, William F. and A. E., Oakland, Calif. Safety money container. 1,696,522; Dec. 25.
- Cleland, Thomas M., Scarborough-on-the-Hudson, N. Y., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Cup. Des. 75,773; July 17.
- Clemenger, Earl B., San Bernardino, Calif. Tube cleaner. 1,656,045; Jan. 10.
- Clemenger, Francis J., New York, N. Y. Combined receptacle and buffer. 1,679,603; Aug. 7.
- Clemens, Clemens H., Chicago, Ill. Cardcase. 1,670,343; May 22.
- Clemens, John G., Eggertsville, assignor to Pierce Renewable Fuses, Inc., Buffalo, N. Y. Renewable fuse. 1,684,432; Sept. 18.
- Clemens, Oscar B., Grand Rapids, Mich. Engine. 1,657,108; Jan. 24.
- Clemens, Oscar B., Grand Rapids, Mich. Fodder cutter. 1,657,109; Jan. 24.
- Clemens, Oscar B., Grand Rapids, Mich. Fodder cutter and the like. 1,663,114; Mar. 20.
- Clemensen, Axel, Chicago, Ill. Saw clamp. 1,657,854; Jan. 31.
- Clemensen, Axel, Chicago, Ill. Tappet-noise eliminator. 1,692,435; Nov. 20.
- Clement, Arthur A., assignor to American Wire Fence Company, Chicago, Ill. Reinforcement for concrete columns. 1,680,935; Aug. 14.
- Clement, Benjamin C., Elmwood, Wis. Combination brush and mop holder. 1,657,613; Jan. 31.
- Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Industrial trailer. 1,677,618; July 17.
- Clement, Edward E. (See Hoge, J. B., and Clement.)
- Clement, Edward E., Ocean City, N. J. Internal-combustion engine. 1,693,547; Nov. 27.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio metering system. Re17,023; July 3.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Subdivided service system of radio broadcast distribution. Re17,069; Aug. 28.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast selecting and distributing system. Re17,142; Nov. 20.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast selecting and distributing system. Re17,163; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio receiving instrument for systems of broadcast distribution. 1,669,327; May 8.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio receiving instrument for systems of broadcast distribution. 1,670,760; May 22.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radiobroadcast distributing system. 1,672,370; June 5.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Subdivided service system of radio broadcast distribution. 1,672,371; June 5.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Traffic-control system for radio broadcast distribution. 1,672,372; June 5.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Subscriber's instrument for radio broadcast systems of distribution. 1,672,373; June 5.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Traffic-control system for radio broadcast distribution. 1,672,374; June 5.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast distributing system. 1,672,407; June 5.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radiobroadcast distributing system. 1,681,100; Aug. 14.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio receiving instrument. 1,695,172; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast selecting and distributing system. 1,695,173; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio receiving instrument for systems of broadcast distribution. 1,695,174; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Traffic-control system for radio broadcast distribution. 1,695,176; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio service metering system. 1,695,177; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Selective key for radio systems. 1,695,178; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Secrecy system of radio broadcast distribution. 1,695,179; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Secrecy system of radio broadcast distribution. 1,695,180; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio receiving instrument for systems of broadcast distribution. 1,695,181; Dec. 11.
- Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Trunking system for radio distribution. 1,695,182; Dec. 11.
- Clement, Edward E., and H. F. Lowenstein, assignors to E. F. Colladay, Washington, D. C. Radio receiving apparatus. 1,668,231; May 1.
- Clement, Frederick C., Philadelphia, Pa. Receptacle closure. 1,684,214; Sept. 11.
- Clement, Hans, New York, and B. M. Barron, Mount Vernon, N. Y., assignors to General Optical Company, Inc. Optical instrument. 1,666,406; Apr. 17.
- Clement, Hans, New York, and E. L. Ryer, Hawthorne, N. Y., assignors to General Optical Co., Inc. Optical test chart. 1,692,929; Nov. 27.
- Clement, Lewis M., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,672,993; June 12.
- Clement, Lewis M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiant-energy-transmission system. 1,688,036; Oct. 16.
- Clement, Lewis M., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Protecting electrical apparatus. 1,690,271; Nov. 6.
- Clement, Lewis M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave signaling system. 1,695,039; Dec. 11.
- Clement, Samuel M., Webster Groves, Mo. Combined tobacco can and cigarette-paper holder. 1,664,160; Mar. 27.
- Clement, Walter J., assignor to The Bossert Corporation, Utica, N. Y. Rotary-hammer grinding mill. 1,678,723; July 31.
- Clements, Albert F., assignor to Waits Carpet Company, Oshkosh, Wis. Shuttle tension. 1,668,191; May 1.
- Clements, Eugene E., New Haven, Conn., assignor to L. Candee & Company. Strip-applying machine. 1,674,192; June 19.
- Clements, Eugene E., assignor to L. Candee & Company, New Haven, Conn. Buckle-strap severing and assembling machine. 1,687,479; Oct. 9.
- Clements, Frank O., assignor to General Motors Research Corporation, Dayton, Ohio. Making engine cylinders. 1,658,553; Feb. 7.
- Clements, Frank O., assignor to General Motors Research Corporation, Dayton, Ohio. Engine cylinder. 1,670,843; May 22.
- Clements, Frank O., Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio. Crankcase ventilation system for internal-combustion engines. 1,690,332; Nov. 6.
- Clements Mfg. Co. (See Clements, William J., assignor.)
- Clements, Thomas H., assignor of one-half to F. C. Millard Engineering Company, Los Angeles, Calif. Controlling and measuring gas supply. 1,666,487; Apr. 17.
- Clements, Wellington L., Norfolk, Va. Sailor's reversible waterproof flat cap. 1,658,590; Feb. 7.

- Clements, Wellington I., Norfolk, Va. Combined glare, wind, rain, and insect shield for automobiles. 1,673,664; June 12.
- Clements, Wellington I., Norfolk, Va. Sailor's dress blouse. 1,694,206; Dec. 4.
- Clements, William J., Chicago, Ill., assignor to Clements Mfg. Co. Spraying device. 1,687,545; Oct. 16.
- Clementson, Nils E., Chicago, Ill. Mortar shield. 1,690,856; Nov. 6.
- Clemetson, Selmer A. and O. H. Rasmussen, Iron Mountain, Mich. Electric lamp lock. 1,676,323; July 10.
- Cleminshaw, R. H. (See Wadsworth, Howard L., assignor.)
- Cleminshaw, Russell H. Shaker Heights, assignor to The Cleveland Electric Motor Company, Cleveland, Ohio. Sand-mixing machine. 1,677,619; July 17.
- Clemm, Hans, assignor to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany. Filling boilers for cellulose with sulphite solution. 1,693,999; Dec. 4.
- Clemons, Thomas A., Yale, assignor of one-half to H. C. Warden, Oilton, Okla. Auxiliary fuel-supply attachment. 1,654,960; Jan. 3.
- Clench, William A., Vancouver, British Columbia, Canada. Manual rim lock. 1,695,798; Dec. 18.
- Clerc, Leonard F., Detroit, Mich. Automobile heater. 1,670,494; May 22.
- Clergy, Louis, Des Moines, Iowa. Flash-light gun. 1,671,406; May 29.
- Cleton, Johannes, jr., Rotterdam, Netherlands. Glass grinding and polishing machine. 1,674,888; June 26.
- Cleveland Automatic Machine Company, The. (See Brophy, John P., assignor.)
- Cleveland Brass Manufacturing Company, The. (See Costello, Joseph A., assignor.)
- Cleveland Chain and Manufacturing Company, The. (See Power, Charles M., assignor.)
- Cleveland, Charles F. (See Miller, C. G., and Cleveland.)
- Cleveland Crane & Engineering Company, The. (See Bennington, Earl T., assignor.)
- Cleveland Crane and Engineering Company, The. (See Wehr, William G., assignor.)
- Cleveland Electric Motor Company, The. (See Cleminshaw, Russell H., assignor.)
- Cleveland Folding Machine Company. (See Dalton, Raymond S., assignor.)
- Cleveland Folding Machine Company. (See Hitchcock, Reuben, assignor.)
- Cleveland Folding Machine Company, The. (See Olson, A., and Tufts, assignors.)
- Cleveland Folding Machine Company, The. (See Tufts, Lesley R., assignor.)
- Cleveland Fruit Juice Company, The. (See Taylor, Robert B., assignor.)
- Cleveland Gas Burner & Appliance Company, The. (See Kerr, Harry E., assignor.)
- Cleveland Graphite Bronze Company, The. (See Johnson, Carl W., assignor.)
- Cleveland Graphite Bronze Company, The. (See Klocke, William H., assignor.)
- Cleveland Hardware Company, The. (See Riordan, John M., assignor.)
- Cleveland Heater Company, The. (See Doen Loran F., assignor.)
- Cleveland Heater Company, The. (See Friedman, Arthur, assignor.)
- Cleveland, James P., Malden, Mass. Water turbine. 1,661,107; Feb. 28.
- Cleveland, Lindell, Arlington, Mass. Extension table. 1,680,664; Aug. 14.
- Cleveland Pneumatic Tool Company, The. (See McElroy, J. J., and Beecher, assignors.)
- Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
- Cleveland, Ragna, Kelly, Iowa. Combined window and screen operating mechanism. 1,692,247; Nov. 20.
- Cleveland Rock Drill Company, The. (See Nell, Gustave M., assignor.)
- Cleveland Rock Drill Company, The. (See Richardson, Led L., assignor.)
- Cleveland Tractor Company, The. (See Jones, George D., assignor.)
- Cleveland Trust Company, The. (See Diamond, James E., assignor.)
- Cleveland Trust Company, The. (See Hater, Harry J., assignor.)
- Cleveland Trust Company, The. (See McCoy, William C., assignor.)
- Cleveland Trust Company, The. (See Russell, E. W., and Cotton, assignors.)
- Cleveland Trust Company, The. (See Ryan, Daniel J., assignor.)
- Cleveland Trust Company, The, executor. (See Plantinga, Pierre.)
- Cleveland Trust Company, The, trustee. (See Allen, S. B., and Sutherland, assignors.)
- Cleveland Trust Company, trustee, The. (See Jeffries, Zay, assignor.)
- Cleveland Twist Drill Company, The. (See Githens, Thomas F., assignor.)
- Clevenger, Merritt A., Greenville, Mich. Air odorizer for electric fans. 1,687,830; Oct. 16.
- Clewell, Charles W. (See Clewell, Robert L., and C. W.)
- Clewell, John H., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of decorative plastic. 1,675,642; July 3.
- Clewell, Robert L. and C. W., Canton, Ohio; said C. W. Clewell assignor to said Robert L. Clewell. Fish lure. 1,691,225; Nov. 13.
- Click, Samuel A., assignor to C. G. Conn, Ltd., Elkhart, Ind. Musical-instrument case. 1,685,123; Sept. 25.
- Clifford, Albert M., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Antioxidant or age resister. 1,694,529; Dec. 11.
- Clifford Automatic Train Stop Company, The. (See Clifford, Patrick J., assignor.)
- Clifford, Leslie B., Texarkana, Ark. Pump valve. 1,692,795; Nov. 20.
- Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)
- Clifford Manufacturing Co. (See Woods, John E., assignor.)
- Clifford, Patrick J., Falls, assignor to The Clifford Automatic Train Stop Company, Scranton, Pa. Automatic train-control apparatus. 1,670,609; May 22.
- Clifford, Patrick J., Falls, Pa., assignor, by mesne assignments, to Train Control Corporation of America. Automatic train-stop mechanism. 1,675,251; June 26.
- Clifford, Patrick J., Falls, Pa., assignor, by mesne assignments, to Train Control Corporation of America. Automatic train-control apparatus. 1,675,252; June 26.
- Clifford, Patrick J., Falls, Pa., assignor, by mesne assignments, to Train Control Corporation of America. Automatic train-control apparatus. 1,675,253; June 26.
- Clifford, Patrick J., Falls, Pa., assignor, by mesne assignments, to Train Control Corporation of America. Automatic train-control apparatus. 1,675,254; June 26.
- Clifford, Patrick J., Falls, Pa., assignor, by mesne assignments, to Train Control Corporation of America. Automatic train-control apparatus. 1,630,665; Aug. 14.
- Clifford, Patrick J., Falls, Pa., assignor to Train Control Corporation of America, New York, N. Y. Train-control apparatus. 1,695,880; Dec. 18.
- Clifford, Patrick J., Falls, Pa., assignor, by mesne assignments, to Train Control Corporation of America. Train-control apparatus. 1,696,382; Dec. 25.
- Clifford, Patrick J., Falls, assignor to Train Control Corporation of America, Scranton, Pa. System of eliminating automatic train-control apparatus. 1,696,383; Dec. 25.
- Clifford, Patrick J., Falls, and J. H. Gibbs and H. P. Lynch, Scranton, Pa., assignors by mesne assignments, to Train Control Corporation of America. Controlling automatic train-stop mechanism from track-signaling systems. 1,675,250; June 26.
- Clifford, Vernon J. P., London, England. Life guard or obstruction remover for motor, road, and other vehicles. 1,692,369; Nov. 20.
- Clifford, Walter B., Framingham, assignor, by mesne assignments, to Clifford Manufacturing Co., Boston, Mass. Apparatus for producing bellows folds in tubing. 1,689,620; Oct. 30.
- Clift, Frederick E., assignor to Advance Machine Works, Inc., Brooklyn, N. Y. Seaming machine. 1,660,547; Feb. 28.
- Clifton, Charles A., assignor to The Wienman Pump Company, Columbus, Ohio. Impeller for centrifugal pumps. 1,674,543; June 19.
- Clifton, James, J., Robinson, and J. Spencer, London, England. Time switch. 1,662,697; Mar. 13.
- Clifton Manufacturing Company. (See Thrower, Alvin H., assignor.)
- Clifton, William E. (See Kay, F., and Clifton.)
- Cliftophone Limited. (See Kay, F., and Clifton, assignors.)
- Climalene Company, The. (See Schoen, Otto A., assignor.)
- Climax Engineering Company. (See Waters, Harry H., assignor.)
- Climax Engineering Company. (See Wishart, H. W. and W., assignors.)
- Climax Hosiery Mills. (See Epps, Carl, assignor.)
- Climax Rock Drill & Engineering Works Limited, The. (See Peaberthy, Ernest, assignor.)
- Climax Stationery Company. (See Foulks, James E., assignor.)
- Clinet, Quinby, assignor of one-half to C. M. Haynes, Chillicothe, Ohio. Bean-snipping machine. 1,683,024; Sept. 4.
- Cline, Charles W., Wichita, Kans. Oil-well bailer. 1,669,864; May 15.
- Cline Electric Manufacturing Company. (See Dresser, C. A., and Hammer, assignors.)
- Cline Electric Manufacturing Company. (See O'Brien, William C., assignor.)
- Cline, John J., Ark. Tongs. 1,680,205; Aug. 7.
- Cline, Samuel, assignor to A. J. Roach Company, Philadelphia, Pa. Body protector. 1,670,239; May 15.
- Clinker, Reginald C., Bilton, near Rugby, England, assignor to General Electric Company. Antenna. 1,684,262; Sept. 11.
- Clinker, Reginald C., Bilton, near Rugby, England, assignor to General Electric Company. Electrical system. 1,694,966; Dec. 11.
- Clinkscales, Samuel C., Bonita, Kans. Plant digger. 1,659,241; Feb. 14.
- Clinton, Harry D., Johnson City, N. Y. Spool or bobbin. 1,670,022; May 15.

- Clinton, Harry D., Johnson City, N. Y. Spool and bobbin. 1,681,096; Aug. 14.
- Clinton, Michael A., and M. W. Collet, Philadelphia, Pa., assignors to Clinton Printers Accessories Company. Deelectrolizer. 1,668,049; May 1.
- Clinton, Otto M. (See Craft, W. J., and Clinton.)
- Clinton Printers Accessories Company. (See Clinton, M. A., and Collet, assignors.)
- Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
- Clipper Manufacturing Company, The. (See Ortt, Rowley K. and E. K., assignors.)
- Clisson, Albert B. (See Kilby, C. B., Reintz, and Clisson.)
- Clisson, Albert B., Syracuse, N. Y. Fruit and vegetable packing apparatus. 1,655,134; Jan. 3.
- Clisson, Albert B., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,656,893; Jan. 17.
- Clisson, Albert B., assignor to The Prosperity Company Inc., Syracuse, N. Y. Tail-holding device for shirt-pressing machines. 1,657,564; Jan. 31.
- Clisson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press. 1,666,734; Apr. 17.
- Clisson, Albert B., assignor to The Prosperity Company Inc., Syracuse, N. Y. Neckband clamp for shirt-pressing machines. 1,667,286; Apr. 24.
- Clisson, Albert B., assignor to The Prosperity Company Inc., Syracuse, N. Y. Laundry-checking device. 1,689,717; Oct. 30.
- Clisson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing-machine mechanism. 1,691,641; Nov. 13.
- Clisson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 1,691,642; Nov. 13.
- Clisson, Albert B., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Spring pad. 1,691,643; Nov. 13.
- Clisson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Operating mechanism for pressing machines. 1,695,088; Dec. 11.
- Clisson, Albert B., Geddes, N. Y. Mechanical movement. 1,671,065; May 22.
- Clisson, Albert B., Geddes, N. Y., assignor to The Prosperity Company, Inc. Flexible joint. 1,665,655; Apr. 10.
- Clisson, Albert B., Geddes, assignor, by mesne assignments, to The Prosperity Company, Incorporated, Syracuse, N. Y. Worm-oiling means. 1,667,285; Apr. 24.
- Clisson, Albert B., Geddes, and P. N. Braun, assignors, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment and laundry pressing machine. 1,670,713; May 22.
- Clisson, Albert B., Geddes, and P. N. Braun, assignors, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment and laundry press. 1,671,064; May 22.
- Clisson Manufacturing Company. (See Clisson, William H., assignor.)
- Clisson, William H., Binghamton, assignor to Clisson Manufacturing Company, Incorporated, Syracuse, N. Y. Garment-pressing machine. 1,691,267; Nov. 13.
- Clithero, Stanley D., Long Beach, Calif. Tank-pressure control. 1,671,275; May 29.
- Clokey, Allison A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Duplex telegraph system. 1,666,195; Apr. 17.
- Clokey, Allison A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex telegraph system. 1,695,040; Dec. 11.
- Close, Francis R., Hamilton, assignor to The Duncan Lithographing Company, Limited, Hamilton, Ontario, Canada. Cardboard box. 1,669,454; May 15.
- Close, Leonard L., assignor to Auburn Foundry Corporation, Auburn, Ind. Stoker. 1,658,969; Feb. 14.
- Close, Leonard L., assignor to Auburn Foundry Corporation, Auburn, Ind. Stoker. 1,673,618; June 12.
- Close, Lyman W., assignor to The Toledo Pressed Steel Company, Toledo, Ohio. Construction torch. 1,686,651; Oct. 9.
- Close, Otis R. and R. N., Cartersville, Mo. Safety snap hook. 1,677,814; July 17.
- Close, Roy N. (See Close, Otis R. and R. N.)
- Close, Wilmot S., Brooklyn, assignor to Ad-Tape Co. Inc., New York, N. Y. Shipping by parcel post. 1,684,756; Sept. 18.
- Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
- Clot, Augustus, West New York, N. J. Sound box for sound-reproducing machines. 1,664,591; Apr. 3.
- Clothier, Henry W. (See Allan, A., and Clothier.)
- Clothier, Henry W. (See Anderson, W., and Clothier.)
- Clothier, Henry W., Wallsend-on-Tyne, and A. Allan, North Shields, assignors to R. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Metal-clad electric switch gear. 1,659,515; Feb. 14.
- Clothier, Henry W., Wallsend-on-Tyne, and W. A. A. Burgess, Monkseaton, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Controlling or tripping apparatus for alternating-current electric circuits. 1,667,655; Apr. 24.
- Clough, Newsome H., Chelmsford, England, assignor to Radio Corporation of America. Tuning system. 1,666,685; Apr. 17.
- Clough, Newsome H., London, England, assignor to Radio Corporation of America. Damping oscillating or alternating current circuit. 1,681,517; Aug. 21.
- Clough, Newsome H., Chelmsford, England, assignor to Radio Corporation of America. Variable inductance. 1,692,331; Nov. 20.
- Clouse, William L., assignor to The National Machinery Co., Tiffin, Ohio. Gripping slide for forging machines. 1,683,956; Sept. 11.
- Clouse, William L., assignor to The National Machinery Co., Tiffin, Ohio. Delivering mechanism for bolt-trimming machines. 1,683,957; Sept. 11.
- Clouwez Clément, Lille, France. Coal and ore washing plant. 1,672,448; June 5.
- Clover, John R., Enid, Okla. Door holder. 1,689,621; Oct. 30.
- Clover, John R., Enid, Okla. Towel cabinet. 1,689,622; Oct. 30.
- Clow, James B., & Sons. (See Daily, Eugene V., assignor.)
- Clow, James B., and Sons. (See Patterson, Elam D., assignor.)
- Clow, James B., & Sons. (See Smotzer, M. C., and Byers, assignors.)
- Clow, Oscar B., Tacoma, Wash. Composition shingle. 1,688,612; Oct. 23.
- Clow, Samuel C. (See Rothgarn, Andrew E., assignor.)
- Clow, Samuel C. (See Winter, August P., assignor.)
- Cloves, Charles E., Fredericton, New Brunswick, Canada. Rosser. 1,663,794; Mar. 27.
- Cluett, Peabody Company. (See Hess, John W., assignor.)
- Clulee, Harry I., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Tool handle. 1,693,269; Nov. 27.
- Cium Manufacturing Company. (See Winning, Robert K., assignor.)
- Cium Manufacturing Co. (See Winning, R. K., and Thorp, assignors.)
- Clune, J. W., Co. (See Lowe, Edward L., assignor.)
- Clune, Philip J., Ottawa, Ill. Brick. Des. 75,212; May 22.
- Clusor G. m. b. H. (See Schlender, Fritz, assignor.)
- Clutter, Bird C. (See Clutter, Le Roy P., assignor.)
- Clutter, Bird C., Akron, Ohio, assignor, by mesne assignments, to Clutter-Wagner, Inc. Ditcher. 1,681,282; Aug. 21.
- Clutter, Bird C., Akron, Ohio, assignor, by mesne assignments, to Clutter-Wagner, Inc. Excavator. 1,682,774; Sept. 4.
- Clutter, Bird C., Akron, Ohio, assignor, by mesne assignments, to Clutter-Wagner, Inc. Power shovel or excavator. 1,693,809; Dec. 4.
- Clutter, J. O., et al., trustees. (See Burgess, Lysle P., assignor.)
- Clutter, J. O., et al., trustees. (See Gray, Jesse L., assignor.)
- Clutter, Le Roy P., Washington, assignor of one-third to G. E. Wagner, Beaver Falls, and one-third to B. C. Clutter, Washington, Pa. Operating mechanism for excavator buckets. Re16,998; June 19.
- Clutter-Wagner, Inc. (See Clutter, Bird C., assignor.)
- Clyatt, Harry B., Grand Rapids, Mich. Antenna. 1,656,775; Jan. 17.
- Clyde Iron Works. (See Bjorge, Oscar B., assignor.)
- Clyde Iron Works. (See McGiffert, John R., assignor.)
- Clymer, Charles C., Schenectady, N. Y., assignor to General Electric Company. Motor control. 1,657,239; Jan. 24.
- Clymer, Charles C., Schenectady, N. Y., assignor to General Electric Company. Safety system for electric elevators. 1,672,675; June 5.
- Clymer Manufacturing Company, The. (See Chamberlain, Clarence M., assignor.)
- Clymer Manufacturing Company, The. (See Johnson, Ebert, assignor.)
- Clymer Manufacturing Company, The. (See Vale, Baldwin, assignor.)
- Clymer Manufacturing Company, The. (See Vanderveer, Herbert E., assignor.)
- Clymer Manufacturing Company, The. (See Whitsett, Cameron A., assignor.)
- Clymer, Vincent S. (See Smith, William J., assignor.)
- Clyne, Robert G., St. Louis, Mo. Making containers. 1,663,542; Mar. 27.
- Clyne, Robert G., St. Louis, Mo. Container and producing the same. 1,678,330; July 24.
- Clyne, Sidney E., Shula Vista, Calif. Stand for motor cycles. 1,654,862; Jan. 3.
- CO₂ Fire Equipment Co. (See Johann, Charles S., assignor.)
- Coach and Car Equipment Corporation. (See Buker, Edward, assignor.)
- Coad, William A., Marshall, Mo. Road-scraping apparatus. 1,654,636; Jan. 3.
- Coahran, Jesse M., Colegrove, Pa., assignor to Olean Sales Corporation, Olean, N. Y. Preventing losses in closed-circuit treating apparatus. 1,680,452; Aug. 14.
- Coal Carbonization Company. (See Hayes, Charles, assignor.)
- Coal and Oil Products Corporation. (See Schwarz, Alfred, assignor.)
- Coast Envelope and Leather Products Company. (See Otto, Edgar W., assignor.)
- Coatalen, Louis, Wolverhampton, England, assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake for vehicles. Re16,918; Mar. 27.

- Coates, Albert F., Bristol, England. Control mechanism. 1,662,661; Mar. 13.
- Coates, Benjamin T., Chicago, Ill. Adjustable headlight for automobiles. 1,668,670; May 8.
- Coates, Daniel B., Payette, Idaho. Farm gate and garage door. 1,668,631; May 8.
- Coates, Frank, Cleadon, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electrical switch gear. 1,684,694; Sept. 18.
- Coates, Frederick, Cincinnati, Ohio, assignor to Richmond Fireproof Door Company, Richmond, Ind. Tube-forming die. 1,661,108; Feb. 28.
- Coates, Jasper C., Santa Paula, Calif. Tool-joint lock. 1,681,699; Aug. 21.
- Coates, Joseph S., Goshen, N. Y. Horseshoe calk. 1,657,565; Jan. 31.
- Coates, William A., Chorlton-cum-Hardy, England, assignor to Westinghouse Electric & Manufacturing Company. Fluid-pressure tank. 1,683,595; Sept. 11.
- Coates, William A., Chorlton-cum-Hardy, and D. R. Davies, Stretford, Manchester, England, assignors to Westinghouse Electric & Manufacturing Company. Electrical switch gear. 1,678,845; July 31.
- Coates, William A., Chorlton-cum-Hardy, and G. E. Gittins and D. R. Davies, Manchester, England, assignors to Westinghouse Electric & Manufacturing Company. Electrical switch gear. 1,678,846; July 31.
- Coats, George A., assignor to Good Roads Equipment Corporation, Philadelphia, Pa. Self-aligning bearing for power-transmission attachments. 1,671,701; May 29.
- Coats, Henry B. (See Homes, A. W., Jaques, and Coats.)
- Coats, Henry B., Veedersburg, D. E. Jaques, Thornton, and A. W. Holmes, Veedersburg, Ind. Poultry-pan-cleaning device. 1,691,181; Nov. 13.
- Coats, Hugh L., Wheaton, assignor to Flexible Steel Lacing Company, Chicago, Ill. Holder for wire belt hooks. 1,660,644; Feb. 28.
- Cobb, Alvin E., Des Moines, Iowa. Price-card device. 1,662,813; Mar. 20.
- Cobb, Arthur, Washington, D. C. Cotton treating. 1,688,524; Oct. 23.
- Cobb, Bayard G., assignor to Cobb Electro Reduction Corporation of Canada, Limited, Toronto, Ontario, Canada. Volatilizing and oxidizing minerals. 1,660,150; Feb. 21.
- Cobb, Charles, Jr., Marshall, Tex. Making brake shoes. 1,688,787; Oct. 23.
- Cobb Electro Reduction Corporation of Canada, Limited. (See Cobb, Bayard G., assignor.)
- Cobb, Henry Z., Thornton, R. I., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Wrapping machine. 1,670,137; May 15.
- Cobb, J. Forrest, Portland, Oreg., assignor to Moore Dry Kiln Company, Jacksonville, Fla. Dry kiln and the art of kiln drying. 1,680,013; Aug. 7.
- Cobb, Winfred L., Jefferson, Oreg. Automatic door for mail boxes. 1,690,967; Nov. 6.
- Cobden, Alan S. (See Birnbaum, Harry A., assignor.)
- Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Cutting slots in metal. 1,666,166; Apr. 17.
- Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Cutting slots with rotating tip. 1,670,495; May 22.
- Coble, David C., York, Pa., assignor to American Foundry Equipment Company, New York, N. Y. Corner construction for molding flasks. 1,654,531; Jan. 8.
- Coburn, Azro A., Holyoke, Mass. Golf tee. 1,696,136; Dec. 18.
- Coburn, James M., and R. Knapp, assignors to Plane Speaker Corporation, Kansas City, Mo. Sound-projecting horn on wing structure of aircraft. 1,667,287; Apr. 24.
- Coburn, William H., and C. Kiernan, assignors of one-third to E. H. Gilbert, Morgantown, W. Va. Electric-power truck. 1,683,287; Sept. 4.
- Cochin, John D., San Francisco, Calif. Valve for lifting devices. 1,673,103; June 12.
- Cocho, Frederick S., Columbus, Ohio. Novelty pistol. 1,681,172; Aug. 21.
- Cochran, Arthur A., Chanute, Kans. Radial stay tongs. 1,692,077; Nov. 20.
- Cochran, James M. (See Scott, G. A., and Cochran.)
- Cochran, James P., Canyon City, Oreg. Tool and handle connection. 1,695,009; Dec. 11.
- Cochran, Noble O., Morristown, Pa. T square. 1,662,490; Mar. 13.
- Cochran, Paul B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-responsive material. 1,693,369; Nov. 27.
- Cochran, William F., assignor to R. H. Osbrink, Los Angeles, Calif. Lock nut. 1,696,523; Dec. 25.
- Cochrane Corporation. (See Fisher, Harmon F., assignor.)
- Cochrane Corporation. (See Gibson, George H., assignor.)
- Cochrane Corporation. (See Yoder, Joseph D., assignor.)
- Cockburn, Francis B., assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Air-operated chuck for lathes. 1,670,138; May 15.
- Cockburn, Francis B., assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Lathe. 1,670,139; May 15.
- Cockburn, Francis B., assignor to The Lodge & Shipley Machine Tool Company Cincinnati, Ohio. Facing attachment for lathes. 1,686,438; Oct. 2.
- Cocker, George B., Gastonia, N. C. Yarn-winding apparatus. 1,678,975; July 31.
- Cocker Machine and Foundry Company. (See Whitener, Ernest K., assignor.)
- Cocking, Richard, Waltham, Mass. Textile fabric. Des. 76,123; Aug. 21.
- Cockins, William W., et al. (See Rich, Frank S., assignor.)
- Cocklin, Lewis A., Grissold, Iowa. Liquid-fuel burner. Re16,954; May 1.
- Cocks, Edgar, assignor to Los Angeles Wall Bed Company, Los Angeles, Calif. Folding bed. 1,661,876; Mar. 6.
- Cocks, Sidney J., and R. E. Browning, Vancouver, British Columbia, Canada. Piston ring. 1,682,886; Sept. 4.
- Cocozella, Anthony, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 1,691,149; Nov. 13.
- Cocroft, Susanna, New York, N. Y. Electric hair waver. 1,656,142; Jan. 10.
- Coda, Christopher F., Detroit, Mich. Upholstery-filling device. 1,665,907; Apr. 10.
- Coda, Christopher F., assignor to Jenks & Muir Manufacturing Co., Detroit, Mich. Apparatus for filling cushion casings. 1,672,305; June 5.
- Coddington, Edwin D., North Milwaukee, Wis. Wall construction and method of and apparatus for building same. 1,666,554; Apr. 17.
- Coddington, Elmer E., La Porte, Ind. Automatic switch. 1,668,266; May 1.
- Coddington, Harry W., Roanoke, Va. Low-water alarm. 1,654,679; Jan. 3.
- Code, Samuel M., Chicago, Ill. Safety vehicle body. 1,657,614; Jan. 31.
- Coder, Joseph and L., St.-Marcel-les-Marseille, France. Hoisting mechanism for dumping trucks. 1,679,075; July 31.
- Coder, Louis. (See Coder, Joseph and L.)
- Codney, Arthur O., assignor to Willard Storage Battery Company, Cleveland, Ohio. Connector for use in charging batteries. 1,671,407; May 29.
- Cody, Earl F., Long Beach, Calif. Golf-ball tee. 1,655,751; Jan. 10.
- Cody, James M., Seattle, Wash. Burglar alarm. 1,675,878; July 3.
- Coe, Daniel E., Holbrook, Mass. Mill banding and splicing the same. 1,655,752; Jan. 10.
- Coe, James R., Warrenton, assignor to The American Brass Company, Waterbury, Conn. Electric conductor. 1,667,510; Apr. 24.
- Coe, John E., Jamestown, N. Y. Tool box. 1,675,484; July 3.
- Coe, John P., Yonkers, N. Y., assignor to G & J Tire Company, Indianapolis, Ind. Making inner tubes. 1,693,636; Dec. 4.
- Coe, John P., Detroit, Mich., assignor to G & J Tire Company, Indianapolis, Ind. Apparatus for manufacturing inner tubes. 1,693,637; Dec. 4.
- Coe, Harrison S., Lawrence, Kans. Thickening apparatus. 1,686,203; Oct. 2.
- Coe Manufacturing Company, The. (See Lockhart, James, assignor.)
- Coe Manufacturing Company, The. (See Milbourn, Frank W., assignor.)
- Coe Manufacturing Company, The. (See Vance, Arthur J., assignor.)
- Coen Company. (See Voorheis, Joseph T., assignor.)
- Coene, Emile, Haledon, assignor to The Schwarzenbach Huber Co., West Hoboken, N. J. Textile fabric. Des. 77,293; Dec. 25.
- Coenen, Edouard, Brussels, Belgium. Lathe. 1,664,968; Apr. 3.
- Coffee Research Company. (See Gamble, Harry C., assignor.)
- Coffelder, Thomas N., Pittsburgh, Pa. Automatic railway-crossing gate. 1,667,537; Apr. 24.
- Coffer, Harry, Sandpoint, Idaho. Spoke tightener. 1,669,899; May 15.
- Coffey, Bradford D., Jersey City, N. J. Electrical compound letter. 1,688,266; Oct. 16.
- Coffey, Edward I. (See Keays, R. J., and Coffey.)
- Coffey, Oscar L., assignor to Whiting Corporation, Harvey, Ill. Drop-pit mechanism for unwheeling locomotives. Re17,116; Oct. 23.
- Coffin, Dewey, San Francisco, Calif. Road sign. 1,654,961; Jan. 3.
- Coffin, Joel S., Jr. (See Schellens, E. L., and Coffin.)
- Coffman, Charles M., Gallipolis, Ohio. Auto jack. 1,695,881; Dec. 18.
- Coffman, Edward, Des Moines, Iowa. Making fish bait. 1,659,132; Feb. 14.
- Coffman, James W., Webb City, Okla. Oil-tube cap. 1,664,593; Apr. 3.
- Coffman, Samuel M., assignor to Old World Perfum Co., Kansas City, Mo. Perfume-vending machine. 1,659,857; Feb. 21.
- Coffman, Samuel M., assignor, by mesne assignments, to Old World Perfum Company, Kansas City, Mo. Perfume-vending machine. 1,677,468; July 17.
- Coffren, Richard H. (See Slye, J. Q., and Coffren.)
- Cofrin, Austin E., Green Bay, Wis. Paper-making machine. 1,654,962; Jan. 3.
- Cogan, Henry M., Charleston, W. Va. Air and fuel mixing device. 1,688,613; Oct. 23.
- Cogan, Henry M., Charleston, W. Va. Mixing and vaporizing device. 1,688,687; Oct. 23.

- Coggins, Paul P., Newark, N. J., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,681,221; Aug. 21.
- Cogswell, Leander A., assignor to Lacene manufacturing Company, Manchester, N. H. Grading machine 1,686,487; Oct. 2.
- Cogswell, Leander A., assignor to Lacene Manufacturing Company, Manchester, N. H. Automatic top-lift grading and distributing machine. 1,693,638; Dec. 4.
- Cogswell, Leander A., assignor to Lacene Manufacturing Company, Manchester, N. H. Grading and distributing machine. 1,694,408; Dec. 11.
- Cohan, George A. (See Bloom, L., and Cohan.)
- Cobelan, Daniel, San Francisco, Calif. Automobile battery. 1,683,529; Sept. 4.
- Cohen, Abe. (See Pope, G. L. and Cohen.)
- Cohen, Arthur, Dorchester, Mass. Slip cover. 1,695,244; Dec. 11.
- Cohen, Benjamin. (See Corbett, James, assignor.)
- Cohen, Benjamin, Brooklyn, N. Y. Awning construction. 1,677,581; July 17.
- Cohen, George, New York, N. Y. Building material. 1,677,073; July 10.
- Cohen, Gussie, Cincinnati, Ohio. Scrubbing brush. 1,687,831; Oct. 16.
- Cohen, Hyman E. (See Beede, H. G., and Cohen.)
- Cohen, Hyman E., Brooklyn, N. Y. Valve for steam pressing machines. 1,671,178; May 29.
- Cohen, Hyman B., assignor to United States Hoffman Machinery Corporation New York, N. Y. Pressing machine. 1,686,266; Oct. 2.
- Cohen, Isidor, Philadelphia, Pa., assignor to A. L. Stoumen, L. S. Sack, and said Cohen, copartners doing business as Durable Knitting Mills. Machine for attaching reinforcing strips to knitted fabrics. 1,672,021; June 5.
- Cohen, Jacob, Middle Village, N. Y. Doll purse. Des. 74,169; Jan. 3.
- Cohen, Jacob, Middle Village, N. Y. Doll purse. Des. 75,213; May 22.
- Cohen, Jacob, Middle Village, N. Y. Doll purse. Des. 75,214; May 22.
- Cohen, Jacob, Middle Village, N. Y. Doll purse. Des. 76,523; Oct. 9.
- Cohen, James, Northampton, Mass. Roller skate. 1,681,841; Aug. 21.
- Cohen, Joseph H. (See Spainhour, James S., assignor.)
- Cohen, Joseph, Taunton, Mass. Container for a vacuum flask or the like. Des. 76,853; Nov. 13.
- Cohen, Joseph H., Bridgeport, Conn. Automatic electric switch for cable-carrying. 1,665,021; Apr. 3.
- Cohen, Julius. (See Lefkowitz, M., and Cohen.)
- Cohen, Leon, St. Louis, Mo. Sectional-page loose-leaf book. 1,672,880; June 12.
- Cohen, Leon, St. Louis, Mo. Hat pad. 1,677,547; July 17.
- Cohen, Leon, St. Louis, Mo. Hat-size reducer. 1,677,548; July 17.
- Cohen, Leon, St. Louis, Mo. Sectional page. 1,695,575; Dec. 18.
- Cohen, Louis, Washington, D. C. Radio receiving system. 1,685,763; Sept. 25.
- Cohen, Louis A., Central City, Ky. Truck for transporting poultry. 1,694,732; Dec. 11.
- Cohen, Morris D., Nashville, Tenn. Can top. 1,674,590; June 19.
- Cohen, Samuel, Brooklyn, assignor to G. A. Barron, New York, N. Y. Electrical connector. 1,683,066; Sept. 4.
- Cohen, Sidney, Neponsit, N. Y. Electrical connector. 1,666,991; Apr. 24.
- Cohen, William, Atlantic City, N. J. Cutting and measuring device for paper rollers. 1,662,364; Mar. 13.
- Cohn, Aaron, Philadelphia, Pa. Damper. 1,675,404; July 3.
- Cohn, Albert, et al. (See Christoph, Edward A., assignor.)
- Cohn, Alfred, Charlottenburg, and K. Müller, Friedenau, Germany, assignors to General Electric Company. Thermal responsive device. 1,658,669; Feb. 7.
- Cohn, Alfred, Charlottenburg, Germany, assignor to General Electric Company. Thermal and electroresponsive device. 1,692,486; Nov. 20.
- Cohn, Edward, Brooklyn, N. Y. Reenforced safety bat. 1,665,195; Apr. 3.
- Cohn, Henry, Charlottenburg, near Berlin, assignor to the firm Dr. Erich F. Huth Ges. m. b. H., Berlin, Germany. Thermionic tube. 1,682,775; Sept. 4.
- Cohn, Hiram, assignor to D. W. Blumenthal, New York, N. Y. Sediment separator. 1,658,040; Feb. 7.
- Cohn, Irwin, assignor to Irwin & Company, Inc., New York, N. Y. Doll. 1,682,832; Sept. 4.
- Cohn, Jacob, assignor, by mesne assignments, to Midwest Steel and Supply Co., Inc., New York, N. Y. Safety attachment for tanks. Re16,994; June 12.
- Cohn, Leon, Paris, France. Soap set. Des. 74,214; Jan. 10.
- Cohn, Mary, New York, N. Y. Wheeled wind toy. 1,689,010; Oct. 23.
- Cohn, Max, Brooklyn, N. Y., assignor to Cee-Bee Machine Corporation. Machine for making hat linings. 1,695,273; Dec. 18.
- Cohn, Max M., assignor to National Paper Products Company, San Francisco, Calif. Toilet and tissue paper package. 1,682,115; Aug. 28.
- Cohoes Envelope Co. (See Kleebauer, C. P., and Lackey, assignors.)
- Cohoes Envelope Co. (See Littman, Zeno, assignor.)
- Cohoon, Luther E., La Grange, Ill. Toilet construction. 1,675,841; July 3.
- Coibion, John, Richmond Heights, Mo. Revolvable forming tool. 1,661,788; Mar. 6.
- Coibion, John, Richmond Heights, Mo. Revolvable cutter. 1,661,789; Mar. 6.
- Coll, William D., Muncie, and W. J. De Reamer, Crown Point, Ind. Turning mechanism for conveying devices. 1,664,663; Apr. 3.
- Coins, Nova S. (See Hagen, O. S., and Coins.)
- Coke-Hill, Lionel, Montreal, Quebec, Canada. Quay wall. 1,663,453; Mar. 20.
- Coke Reclamation Corporation. (See Silverston, Anthony R., assignor.)
- Colas, Joseph E., Paris, France. Pedal apparatus for railway signaling. 1,668,267; May 1.
- Colbeck, Frederick W., and S. Thronsen, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for working articles. 1,677,172; July 17.
- Colbert, Alvin H., C. R. McConner, and R. L. Baker, Chicago, Ill. Kiln hood and support. 1,673,396; June 12.
- Colbert, Alvin H., Chicago, Ill. Air-washer structure. 1,686,144; Oct. 2.
- Colbert, George F. and W. H., Pittsburgh, Pa. Making mirrors. 1,662,564; Mar. 13.
- Colbert, George F. and W. H., Pittsburgh, Pa. Nonglare mirror. 1,662,565; Mar. 13.
- Colbert, William H. (See Colbert, George F. and W. H.)
- Colbiornsen, Thorvald C., Antonito, Colo. Automatically-actuated brush for grainier pipes. 1,693,689; Dec. 4.
- Colborne Manufacturing Company. (See Smith, Dennis W., assignor.)
- Colburn, Bearl E., Green Bay, Wis. Insulator. 1,655,892; Jan. 10.
- Colburn, Bearl E., assignor to Super-Ball Antenna Co., Inc., Green Bay, Wis. Loud speaker. Des. 74,170; Jan. 3.
- Colburn, Bearl E., assignor to Super Ball Antenna Co., Inc., Green Bay, Wis. Ground clamp. 1,675,163; June 26.
- Colburn, Herbert C., San Leandro, Calif. Radiofrequency transformer. 1,658,970; Feb. 14.
- Colburn, Horace A. (See McDevitt, F. E., and Colburn.)
- Colby, Allan B. (See Reiter, L., and Colby.)
- Colby, Allan B., Providence, R. I. Pin-fastening device. 1,668,102; May 1.
- Colby, Harold A., Waukegan, Ill. Butt gauge. 1,656,143; Jan. 10.
- Colby, Hayward T. (See Stevenson, R. J., and Colby.)
- Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connector socket. 1,660,863; Feb. 28.
- Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,693,370; Nov. 27.
- Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,695,882; Dec. 18.
- Colby, Ora A., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Rotary-hearth furnace. 1,695,883; Dec. 18.
- Colby, Vincent V., assignor to International Register Company, Chicago, Ill. Cutting. 1,663,267; Mar. 20.
- Colby, Warren L., Providence, R. I. Dispensing device. 1,682,215; Aug. 28.
- Colby, Woodard, St. Paul, Minn. Breast pump. 1,670,610; May 22.
- Colclough, William, assignor to The American Laundry Machinery Company, Norwood, Ohio. Cover clamp for ironing boards or bucks. 1,664,916; Apr. 3.
- Cold Spring Granite Company. (See Mondloch, John B., assignor.)
- Coldwell, Charles E., Phoenix, Ariz. Cotton-conveying apparatus. 1,687,713; Oct. 16.
- Coldwell, John S., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Releasable power connection and equivalent device. 1,664,190; Mar. 27.
- Cole, Aileen C. (See Cole, John J. B., and A. C.)
- Cole, Burr M. (See Foss, Thomas M., assignor.)
- Cole, Charles D., Sabinsville, Pa. Tractor hitch. 1,671,702; May 29.
- Cole, Charles F., Huntington, W. Va. Boiler stand. 1,694,000; Dec. 4.
- Cole, Claude R., Miles City, Mont. Perforated sign. 1,658,883; Feb. 14.
- Cole, Don, assignor of one-half to J. A. Dienger, Chicago, Ill. Internal-combustion engine. 1,677,429; July 17.
- Cole, Don, assignor of one-half to J. A. Dienger, Chicago, Ill. Internal-combustion engine and timing the valves thereof. 1,687,082; Oct. 9.
- Cole, Eaton, Eureka Springs, Ark. Match-dispensing device. 1,678,281; July 24.
- Cole, Edward, deceased; J. Cole, New York, N. Y., administratrix. Tide motor. 1,670,140; May 15.
- Cole, Edward P., assignor to Cole Manufacturing Company, Chicago, Ill. Cabinet heater. 1,662,297; Mar. 13.

- Cole, Ellis P., Chicago, Ill. Resonator. 1,696,524; Dec. 25.
- Cole, Elmer K., Winterset, Iowa. Cable clamp. 1,665,531; Apr. 10.
- Cole, Elmer K., Winterset, Iowa. Cable clamp. 1,694,683; Dec. 11.
- Cole, Eugene M., Charlotte, N. C. Fertilizer distributor. 1,662,883; Mar. 20.
- Cole, Eugene M., Charlotte, N. C. Insecticide-applying machine. 1,672,058; June 5.
- Cole, Frederick W., Chicago, Ill. Egg-case flat. 1,696,430; Dec. 25.
- Cole, George W., Adams County, Colo. Feeder. 1,655,753; Jan. 10.
- Cole, Henry, Company. (See Mayer, Leo, assignor.)
- Cole, Jaudon D. (See Boreman, J. F., and Cole.)
- Cole, Jeanette, administratrix. (See Cole, Edward.)
- Cole, John J. B., and A. C. Cole, Hungerford, England. Receptacle for use by smokers for tobacco ash and the like. 1,687,362; Oct. 9.
- Cole, John M., et al. (See Schwalbenberg, Peter J., assignor.)
- Cole, Joseph J., Faber, Va. Transmission. 1,690,968; Nov. 6.
- Cole, Lester M., Cleveland Heights, E. H. Halter, Maple Heights, and R. H. Lewis, assignors to The Warner & Swasey Company, Cleveland, Ohio. Machine tool for boring and turning irregular surfaces. 1,677,131; July 17.
- Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Oscillating tool support for lathes. 1,656,345; Jan. 17.
- Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Rotating cutter head. 1,664,807; Apr. 3.
- Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Desaming machine. 1,668,947; May 8.
- Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Work driver for axle lathes. 1,668,948; May 8.
- Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Car-wheel boring and facing machine. 1,685,417; Sept. 25.
- Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Quartering and crank-pin-turning machine. 1,688,788; Oct. 23.
- Cole Manufacturing Company. (See Cole, Edward P., assignor.)
- Cole, Martin P., Goodland, Kans. Tire boot. 1,666,002; Apr. 10.
- Cole, Raul F., Mount Vernon, Ohio. Apparatus for drawing sheet glass. 1,678,104; July 24.
- Cole, Richard, Burbank, Calif. Oil-splash lining for pistons. 1,663,795; Mar. 27.
- Cole, Robert M., Sandusky, Ohio. Making triphenylmethane dyes. 1,694,057; Dec. 4.
- Cole, T. Bert. (See Herron, George A., assignor.)
- Cole, Theodore S., New Haven, Conn. Storage-cell connector. 1,688,002; Oct. 16.
- Cole, William A., Eiding, Mich. Machine for hanging wall paper. 1,695,915; Dec. 18.
- Cole, William A., assignor of one-half to G. J. Mobley, Detroit, Mich. Driving-box shoe and wedge. 1,660,151; Feb. 21.
- Coleman, A. B. (See Morris, Jolly L., assignor.)
- Coleman, Arthur, Kansas City, Mo. Carbureting vaporizer. 1,692,078; Nov. 20.
- Coleman Auto Spring Suspension Company. (See Coleman, Stephen L. C., assignor.)
- Coleman Automatic Transmission Company. (See Coleman, George B., assignor.)
- Coleman, Bert, Plattsmouth, Nebr. Display rack. 1,694,207; Dec. 4.
- Coleman, Bertie M., Worton, Md. Ring compressor. 1,689,115; Oct. 23.
- Coleman, Edward, Oakland, Calif. Telephone attachment. 1,667,193; Apr. 24.
- Coleman, Edward W., Northolt Junction, England. Tire. Des. 75,774; July 17.
- Coleman, Edward W., Southall, England. Wheel tire. 1,664,352; Mar. 27.
- Coleman, George B., Philadelphia, Pa., assignor to Coleman Automatic Transmission Company. Transmission. 1,670,438; May 22.
- Coleman, George B., assignor to Coleman Automatic Transmission Company, San Francisco, Calif. Antifriction brake. 1,654,790; Jan. 3.
- Coleman, Harris C., Fort Worth, assignor, by mesne assignments, to Tray Service Company, Dallas, Tex. Detachable supporting stand. 1,675,794; July 3.
- Coleman, Harry J., Pelham, N. Y. Mounting photo-engraving plates. 1,687,266; Oct. 9.
- Coleman, Jesse K. (See Coleman, Josiah E., and J. K.)
- Coleman, Josiah E. and J. K., Fort Smith, Ark. Cultivator. 1,686,900; Oct. 9.
- Coleman Lamp and Stove Co., The. (See Coleman, William C., assignor.)
- Coleman, Melvin V., Cumberland, Md. Renewable filament lamp. 1,690,056; Oct. 30.
- Coleman, Paul H., Lynch, Ky. Float ball. 1,690,057; Oct. 30.
- Coleman, Stephen L. C., Fredericton, New Brunswick, Canada. Vehicle suspension. 1,691,959; Nov. 20.
- Coleman, Stephen L. C., Fredericton, New Brunswick, Canada, assignor to Coleman Auto Spring Suspension Company, Limited. Vehicle suspension. 1,678,847; July 31.
- Coleman, Stewart P., Cambridge, Mass., and W. S. Hughes, Goose Creek, Tex., assignors to Standard Oil Development Company. Reclaiming distillation residue. 1,676,687; July 10.
- Coleman, William B., Philadelphia, Pa. Automatic humidifying device. 1,684,757; Sept. 18.
- Coleman, William C., Wichita, Kans. Liquid-hydrocarbon burner. 1,678,058; July 24.
- Coleman, William C., assignor to Coleman Lamp and Stove Co., Wichita, Kans. Priming device for hydrocarbon burners. 1,678,057; July 24.
- Coleman, William E., Shreveport, La. Attachment for steering rods. 1,670,954; May 22.
- Coleman, William W., New York, N. Y. Rail brace. 1,682,887; Sept. 4.
- Coles, Henry L. (See Donaldson, J. G., and Coles.)
- Coles, Walter H., Troy, Ohio. Irrigating apparatus. 1,677,228; July 17.
- Coles, Walter H., Troy Ohio. Irrigating apparatus. 1,696,384; Dec. 25.
- Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Irrigating device. 1,696,385; Dec. 25.
- Coles, Wilfred G., assignor to Madison-Kipp Corporation, Madison, Wis. Terminal check valve. 1,659,242; Feb. 14.
- Coleston, Claude E., McKittrick, Calif. Shock absorber for oil-well pumps. 1,656,046; Jan. 10.
- Coleston, Claude E., McKittrick, Calif. Bailor. 1,681,660; Aug. 21.
- Colgan, John R., Kansas City, Mo. Lapel pin or the like; Des. 75,719; July 10.
- Colgate and Company. (See Matthews, Ralph G., assignor.)
- Colgate & Company. (See Smith, Fulton W., assignor.)
- Colgate, William H., Larchmont, N. Y. Match-book holder. 1,657,789; Jan. 31.
- Colgin, Saladine E., Dallas, Tex. Making a meat curative. 1,678,056; July 24.
- Colgrove, Bert D., Denver, Colo. Automobile tire rim. 1,693,192; Nov. 27.
- Colgrove, Charles E., Toronto, Ontario, Canada. Paper-board-cutting machine. 1,666,687; Apr. 17.
- Colgrove, Joseph P., Buffalo, N. Y. Razor-blade holder. 1,666,118; Apr. 17.
- Colladay, Edward F. (See Clement, Edward E., assignor.)
- Colladay, Edward F. (See Clement, E. E., and Lowenstein, assignors.)
- Colladay, Edward F. (See Hoge, J. B., and Clement, assignors.)
- Colladay, Edward F. (See Löwenstein, Harry F., assignor.)
- Collar, George D., jr., Glenside, assignor to H. Brinton Co., Philadelphia, Pa. Dial-aligning device. 1,670,240; May 15.
- Collard, John. (See Mougey, W. E., and Collard.)
- Collen, Daniel, Tilston, Manitoba, Canada. Device for use in writing. 1,681,842; Aug. 21.
- Collen, Robert H., East Ham, assignor of one-half to John Broadwood & Sons, Limited, London, England. Pianoforte. 1,664,191; Mar. 27.
- Collen, Robert H., East Ham, assignor of one-half to John Broadwood & Sons Limited, London, England. Pianoforte. 1,690,925; Nov. 6.
- Collet, Mark W. (See Clinton, M. A., and Collet.)
- Collet, Mark W., Philadelphia, Pa. Shader for cameras and in the art of regulating locally the shading of a photograph. 1,663,996; Mar. 27.
- Collette, Clarence C., Amsterdam, N. Y. Utensil-handle protector. 1,657,068; Jan. 24.
- Collier, Ben F. (See Roberts, C. I., and Collier.)
- Collier, David R., assignor to Collier-Keyworth Company, Gardner, Mass. Tilting chair. 1,678,663; July 31.
- Collier, David R., assignor to Collier-Keyworth Company, Gardner, Mass. Wheel. 1,678,669; July 31.
- Collier, Freeman E., assignor to Foley Saw Tool Company, Incorporated, Minneapolis, Minn. Tilting saw guide. 1,666,087; Apr. 17.
- Collier, Freeman E., assignor to Foley Saw Tool Company, Incorporated, Minneapolis, Minn. Saw-filing machine. 1,674,853; June 26.
- Collier, Guy B., Kinderhook, N. Y. Internal-combustion motor. 1,692,628; Nov. 20.
- Collier, Harry, Paris, Ill. Braking mechanism. 1,657,069; Jan. 24.
- Collier, Henry D., assignor to Standard Oil Company of California, San Francisco, Calif. System for discharging lubricants from vehicle motors. 1,659,019; Feb. 14.
- Collier, Henry D., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Apparatus for forcing lubricant from motor-vehicle lubricant-containing cases. 1,666,992; Apr. 24.
- Collier, James F., et al. (See Roberts, C. I., and Collier, assignors.)
- Collier, John H., and E. D. Chisum, Altus, Okla.; said Chisum assignor to said Collier. Fuel-tank attachment. 1,684,475; Sept. 18.
- Collier-Keyworth Company. (See Collier, David R., assignor.)
- Collier, Thomas A., et al. (See Roberts, C. I., and Collier, assignors.)

- Collier, Thomas S., Hydro, Okla. Grain reel. 1,674,158; June 19.
- Colling, H. T., Company. (See Willoughby, Claud V., assignor.)
- Collins, Abraham L., Sr., Amite, La. Rail joint. 1,685,704; Sept. 25.
- Collins, Anthony H., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool handle. 1,689,817; Oct. 30.
- Collins, Arthur E., Cuyahoga Falls, assignor to The Miller Rubber Company, Akron, Ohio. Slitting machine. 1,687,607; Oct. 16.
- Collins, Cap B., New York, N. Y. Spring motor. Des. 17,106; Oct. 23.
- Collins, Charles D., assignor to American Cyanamid Company, New York, N. Y. Dusting apparatus. 1,670,344; May 22.
- Collins, Cornelius, Los Angeles, Calif. Frame construction. 1,674,096; June 19.
- Collins, David R., Duluth, Minn. Humidifier. 1,670,141; May 15.
- Collins, David R., Minneapolis, Minn., assignor of one-half to R. E. Bartholdi, Chicago, Ill. Display device. 1,690,477; Nov. 6.
- Collins, Dominick J., et al. (See Baker, Daniel W., assignor.)
- Collins, George A., Fresno, Calif., assignor to Westinghouse Electric & Manufacturing Company. Roll device. 1,689,862; Oct. 30.
- Collins, George B., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Metal-testing apparatus. 1,695,867; Dec. 18.
- Collins, George E., St. Louis, Minn. Towel rack. 1,693,477; Nov. 27.
- Collins, Glenville A., assignor to Southwestern Engineering Corporation, Los Angeles, Calif. Boiler construction. 1,654,791; Jan. 3.
- Collins, Hattie M., Lee, Mass. Valve-spring compressor. 1,660,374; Feb. 28.
- Collins, Henry E., Scranton, Pa. Tachometer drive. 1,671,012; May 22.
- Collins, James G., assignor to Atlas Press Company, Kalamazoo, Mich. High-pressure power press. 1,677,132; July 17.
- Collins, Lester L. (See Wasson, H. C., and Collins.)
- Collins, Paul B. (See MacVeigh, J. G., and Collins.)
- Collins Process, Inc. (See Collins, Russell K., assignor.)
- Collins, Richard P., Norwood, Pa. Attaching flue pipes in chimneys. 1,676,133; July 3.
- Collins, Rush, Lackey, Ky. Nut lock. 1,654,637; Jan. 3.
- Collins, Russell K., Fort Worth, Tex. Expansion process and apparatus for refining of hydrocarbons. 1,654,580; Jan. 3.
- Collins, Russell K., Fort Worth, Tex., assignor to Collins Process, Inc., Wilmington, Del. Conversion apparatus for refining hydrocarbon materials. 1,654,577; Jan. 3.
- Collins, Russell K., Fort Worth, Tex., assignor, by mesne assignments, to Collins Process, Inc., Wilmington, Del. Expansion process and apparatus for refining hydrocarbon materials. 1,654,578; Jan. 3.
- Collins, Russell K., Fort Worth, Tex., assignor to Collins Process, Inc., Wilmington, Del. Heat-protecting means for expansion-tanks of hydrocarbon-refining apparatus. 1,654,579; Jan. 3.
- Collins Supply and Equipment Company. (See Bloom, Benjamin L., assignor.)
- Collins, Thomas A., et al. (See Foster, Clarence B., assignor.)
- Collins, Wallace E. J. (See Wood, Sidney C., assignor.)
- Collins, Walter B., Bishop, Tex. Stalk cutter and bedder. 1,689,718; Oct. 30.
- Collins, Warren E., Boston, Mass. Apparatus for oxygen therapy and the like. 1,669,971; May 15.
- Collins, William B., Beverly Hills, Calif. Garment bag. 1,681,923; Aug. 28.
- Collins, William L. (See Egan, John J., assignor.)
- Collins, William R., Georgetown, Colo. Multiple-air-drill tunneling machine. 1,677,430; July 17.
- Collins, Willis, Milwaukee, Wis. Can opener. 1,675,164; June 26.
- Collis, Meyer, Charleston, S. C. Electrical dough-imprinting machine. 1,665,196; Apr. 3.
- Collis, O. D. (See Donath, Otto A., assignor.)
- Collis, O. D. (See Grant, Clair R., assignor.)
- Collison, Edward E. (See Hoke, F., Rossebo, and Collison.)
- Colliton, Ellen, St. Paul, Minn. Bed and wall pocket. 1,657,790; Jan. 31.
- Colloidal Equipment Corporation. (See Cuniff, Bernard, assignor.)
- Collway Laboratories, Inc. (See O'Brien, Robert J., jr., assignor.)
- Colman, Howard D., Rockford, assignor, by mesne assignments, to E. S. Nethercut, Evanston, Ill. Winder. 1,661,817; Mar. 6.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Textile apparatus. 1,666,735; Apr. 17.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Bobbin skewer. 1,678,806; July 31.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Thread-handling mechanism. 1,684,945; Sept. 18.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Heddle frame. 1,686,073; Oct. 2.
- Coloder Company, The. (See Newdick, Norton A., assignor.)
- Colo-Diesel-Motoren-gesellschaft m. b. H. (See Eiermann, Karl, assignor.)
- Colomb, Henri, Tavannes, Switzerland. Finishing jewel settings and product thereof. Rel. 6,982; May 29.
- Colomb, Henri, Tavannes, Switzerland. Stem winding mechanism for watches. 1,666,774; Apr. 17.
- Colomb, Henri, assignor to Tavannes Watch Co., S. A., Tavannes, Switzerland. Clock-movement pillar. 1,655,012; Jan. 3.
- Colombo, Anselmo. (See Lorenzi, L., and Colombo.)
- Colona Manufacturing Company. (See Shrum, Peter J., assignor.)
- Colonial Brass Company. (See McCarthy, John J., assignor.)
- Colonial Can Co. (See Campbell, Charles H.)
- Colonial Fireplace Company. (See Guy, Walter W., assignor.)
- Colonial Scale Company. (See Barnard, Arthur W., assignor.)
- Colonial Stamping Company. (See Strombach, Julius, assignor.)
- Colonial Trust Company, trustee. (See Witherow, William P., assignor.)
- Color Cinema Productions, Inc. (See Treleven, Clifford L. R., assignor.)
- Color Ray Holding Corporation, The. (See Peters, Thomas K., assignor.)
- Colorado Tent & Awning Company, The. (See Goldberg, Jacob M., assignor.)
- Colquhoun, Peter M., Lakewood, assignor to The American Multigraph Company, Cleveland, Ohio. Multicolor-printing machine. 1,669,866; May 15.
- Colquhoun, Peter M., assignor to The American Multigraph Company, Cleveland, Ohio. Controlling device for the keys of keyboard machines. 1,690,443; Nov. 6.
- Colquhoun, Peter M., Lakewood, assignor to The American Multigraph Company, Cleveland, Ohio. Printing device. 1,686,800; Oct. 9.
- Colson, C. H., Inc. (See Storhow, Andrew J., assignor.)
- Colson, Victor, Brussels, Belgium. Door or the like latching device. 1,696,137; Dec. 18.
- Colt, Samuel S., Orange, N. J. Retaining means for concrete forms. 1,682,740; Sept. 4.
- Colton, James H., Berkeley, assignor to Pacific Portland Cement Company, Consolidated, San Francisco, Calif. Hardening and aging calcined gypsum products. 1,659,971; Feb. 21.
- Coltrin, T. Charles, Sebastopol, Calif. Cabinet nest. 1,674,193; June 19.
- Colt's Patent Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)
- Colt's Patent Fire Arms Manufacturing Co. (See Lattin, Robert B., assignor.)
- Colt's Patent Fire Arms Manufacturing Company. (See Pfeiffer, Christian, assignor.)
- Colt's Patent Fire Arms Manufacturing Co. (See Schmalz, W. F., and Dodd, assignors.)
- Colucci, Antonio, Brooklyn, N. Y. Lamp stand. Des. 76,915; Nov. 20.
- Colucci, John M., Brooklyn, N. Y. Smoking stand. Des. 76,006; Aug. 14.
- Columbia Machine Works and Malleable Iron Co. (See Smith, Leo O., assignor.)
- Columbia Metal Box Co. (See Katcher, Morris, assignor.)
- Columbia Mills Incorporated. (See Leeper, F., and Girard, assignors.)
- Columbia Phonograph Company. (See Bahr, Gustave F., assignor.)
- Columbia Phonograph Company. (See Capps, Frank L., assignor.)
- Columbia Phonograph Company. (See Vasselli, Anthony J., assignor.)
- Columbia Steel Company, The. (See Naugle, H. M., and Townsend, assignors.)
- Columbia Steel Company, The. (See Townsend, Arthur J., assignor.)
- Columbia Steel Corporation. (See Fenstermacher, John D., assignor.)
- Columbia Steel Equipment Company. (See Bergmann, Conrad, assignor.)
- Columbia Steel Equipment Company. (See Bergmann, George, assignor.)
- Columbia Woolen Company. (See McIlroy, Ronald C., assignor.)
- Columbian Carbon Company. (See Hoskins, William S., assignor.)
- Columbian Carbon Company. (See Lewis, George C., assignor.)
- Columbus Dental Manufacturing Company, The. (See Marx, Harry A., assignor.)
- Columbus Dental Manufacturing Co., The. (See Poston, Leon L., assignor.)
- Columbus-McKinnon Chain Company, The. (See McKinnon, Archibald L., assignor.)
- Columbus-McKinnon Chain Company, The. (See Shay, Warren J., assignor.)
- Columbus Sucker Rod Company, The. (See Anderson, F. E., and Thorpe, assignors.)
- Colvin, Benjamin F., Fremont, Ohio. Child's vehicle. 1,683,240; Sept. 4.
- Colvin, Charles H., Brooklyn, N. Y. Turn indicator. 1,660,152; Feb. 21.

- Colvin, Charles H., Brooklyn, N. Y. Instrument for indicating direction of forces. 1,667,840; May 1.
- Colvin, Charles H., assignor to Pioneer Instrument Company, Brooklyn, N. Y. Magnetic compass. 1,679,764; Aug. 7.
- Colwell, Byron E., Addison, Mich. Roller skate. 1,694,374; Dec. 11.
- Colwell, David M., assignor to American Vitrified Products Company, Akron, Ohio. Structural block. 1,676,385; July 10.
- Colwell, Nicholas H., New York, N. Y. Apparatus for treating and combining hydrocarbon liquids and gases and other liquids and gases. 1,668,104; May 1.
- Colwell, Robert C., Morgantown, W. Va. Multiple connector. 1,659,312; Feb. 14.
- Colwell, Robert J., assignor of one-half to E. S. Satterfield, Edgewood, Pa. Weather strip. 1,669,865; May 15.
- Combes, Abbott L., and H. M. Keyser, East Falls Church, Va. Ripping unit for metal cans. 1,673,312; June 12.
- Combes, Abbott L., and H. M. Keyser, East Falls Church, Va. Ripping unit for metal cans. 1,685,312; Sept. 25.
- Combes, Maurice. (See Continouza, V., and Combes.)
- Combination Machine Company. (See Peterson, Jonathan, assignor.)
- Combined Metals Reduction Company. (See Snyder, E. H., and Green, assignors.)
- Combustion Control Company. (See Potter, Frederick D., assignor.)
- Combustion Engineering Corporation. (See Anderson, John, assignor.)
- Combustion Engineering Corporation. (See Jackson, George P., assignor.)
- Combustion Engineering Corporation. (See Jackson, G. P., and Adamson, assignors.)
- Combustion Engineering Corporation. (See Jackson, G. P., and Savage, assignors.)
- Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
- Combustion Engineering Corporation. (See Nygaard, Oscar O., assignor.)
- Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
- Combustion Equipment Company. (See Atwater, Harry A., assignor.)
- Combustion Fuel Oil Burner Company. (See Rogers, H. S., and Raddatz, assignors.)
- Combustion Utilities Corporation. (See Soule, Roland P., assignor.)
- Comeau, Melburn A., Haverhill, Mass. Bolt. 1,665,875; Apr. 10.
- Comerford, Eileen, et al. (See Comerford, William, assignor.)
- Comerford, Joseph P., et al. (See Comerford, William, assignor.)
- Comerford, Mary, et al. (See Comerford, William, assignor.)
- Comerford, Minnie J., et al. (See Comerford, William, assignor.)
- Comerford, William, assignor of one-fifth to M. J. Comerford, one-fifth to M. Comerford, one-fifth to E. Comerford, and one-fifth to J. P. Comerford, Buffalo, N. Y. Drain valve for automobile crank cases. 1,689,994; Oct. 30.
- Coney, R. H., Brooklyn Company. (See Oakes, Raymond H., assignor.)
- Comiskey, Stanley A., Seattle, Wash., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet detector. 1,688,789; Oct. 23.
- Commerce Guardian Trust and Savings Bank, trustee. (See Replogle, Daniel B., assignor.)
- Commercial Cable Company. (See Connery, Alder F., assignor.)
- Commercial Cable Company, The. (See Herbig, Henry F., assignor.)
- Commercial Clearing Corporation, The. (See Macy, Barnett W., assignor.)
- Commercial Pigments Corporation. (See Blumenfeld, Joseph, assignor.)
- Commercial Shearing and Stamping Company, The. (See Cushman, Charles B., assignor.)
- Commercial Shearing & Stamping Company, The. (See Proctor, Robert V., assignor.)
- Commercial Shearing and Stamping Company, The. (See Proctor, R. V., and Schaab, assignors.)
- Commercial Solvents Corporation. (See Bannister, William J., assignor.)
- Commercial Solvents Corporation. (See Bloomfield, Grover, assignor.)
- Commercial Solvents Corporation. (See Bogin, Charles, assignor.)
- Commercial Solvents Corporation. (See Gabriel, C. L., and Bogin, assignors.)
- Commercial Solvents Corporation. (See Legg, David A., assignor.)
- Commercial Solvents Corporation. (See Pike, E. F., and Smyth, assignors.)
- Commercial Solvents Corporation. (See Woodruff, J. C., Bloomfield, and Bannister, assignors.)
- Commercial Truck Company. (See Britt, Benjamin H., assignor.)
- Commercial Truck Company. (See Ward, W. S., and Britt, assignors.)
- Commonwealth Bank of Baltimore. (See Fink, Charles F., assignor.)
- Commonwealth Shoe and Leather Company. (See Jones Paul, assignor.)
- Commonwealth Steel Company. (See Ashe, William O., assignor.)
- Commonwealth Steel Company. (See Ashe, W. O., and Pfleger, assignors.)
- Commonwealth Steel Company. (See Frede, Charles F., assignor.)
- Commonwealth Steel Company. (See Howard, Karl S., assignor.)
- Commonwealth Steel Company. (See Jackson, Edwin C., assignor.)
- Commonwealth Steel Company. (See Pfleger, Harry M., assignor.)
- Commonwealth Steel Company. (See Sheehan, William M., assignor.)
- Commonwealth Steel Company. (See Stuart, Hugh, assignor.)
- Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
- Comora, Charles, Embroidery Company. (See Hugentobler, Ulrich, assignor.)
- Comp, Charles A., assignor to Buhl Stamping Company, Detroit, Mich. Apparatus for tinning milk cans. 1,662,103; Mar. 13.
- Comp, Charles A., assignor to Buhl Stamping Company, Detroit, Mich. Milk-can cover and forming the same. 1,662,184; Mar. 13.
- Compagnie Continentale pour la Fabrication des Compteurs & Autres Appareils. (See Mercier, René, assignor.)
- Compagnie d'Applications Mecaniques. (See Rouanet, Louis, assignor.)
- Compagnie de Béthune. (See Duchange, Maurice, assignor.)
- Compagnie des Forges & Aciéries de la Marine & d'Homecourt et al. (See de Courseulles, Robert, assignor.)
- Compagnie des Forges & Aciéries de la Marine & d'Homecourt. (See Rimailho, Emile, assignor.)
- Compagnie des Forges & Aciéries de la Marine & d'Homecourt. (See Granat, Elie, assignor.)
- Compagnie Francaise pour l'Exploitation des Procédés Thomson-Houston et al. (See Verdant, C., and Loiseau, assignors.)
- Compagnie Generale d'Electricité. (See Bénéit, Henri, assignor.)
- Compagnie Industrielle et Commerciale du Cycle et de L'Automobile. (See Chollet, Louis, assignor.)
- Compagnie Internationale des Freins Automatiques, Societe Anonyme. (See Pieper, Henri, assignor.)
- Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz et al. (See Chirol, Maurice, assignor.)
- Company Elektrizitätswerk Lonza, The. (See Lüscher, Emil, assignor.)
- Complex Ores Recoveries Company, The. (See Coolbaugh, M. F., and Read, assignors.)
- Compo-Site, Inc. (See Crossman, George J., jr., assignor.)
- Compress Buckle Company. (See Todd, James A., assignor.)
- Compton, Albert R., jr., Baltimore, Md. Ash tray. Des. 74,297; Jan. 24.
- Compton, Harry L., Washington, D. C., assignor to The American Dairy Supply Company, Bangor, Me. Bottle-cap machine. 1,659,516; Feb. 14.
- Compton, John. (See Ward, O., and Compton.)
- Compton, John T., Montgomery, Ala. Ball-turning attachment for lathes. 1,663,192; Mar. 20.
- Compton, Otto L., Olympia, Wash. Automobile safety brake equalizer. 1,681,518; Aug. 21.
- Compton, Percy R., assignor to The E. T. Burrowes Company, Portland, Me. Game board. 1,677,707; July 17.
- Compton, William H. (See Wallace, F. H., and Compton.)
- Computing-Tabulating-Recording Company, The. (See Dantzig, Tobias, assignor.)
- Comstock-Castle Stove Company. (See Sandell, Joseph H., assignor.)
- Comstock, Corry B., assignor to Comstock Oven Company, Inc., New York, N. Y. Baker's oven. 1,663,115; Mar. 20.
- Comstock, Corry B., assignor to Comstock Oven Company, Inc., New York, N. Y. Baker's oven. 1,663,116; Mar. 20.
- Comstock, Corry B., assignor to Comstock Oven Company, Inc., New York, N. Y. Baker's oven. 1,663,117; Mar. 20.
- Comstock, Corry B., assignor to Comstock Oven Company, Inc., New York, N. Y. Baker's oven and controlling the heating thereof. 1,663,118; Mar. 20.
- Comstock, Gregory J., Pittsburgh, assignor to Firth-Sterling Steel Company, McKeesport, Pa. Alloy steel. 1,695,916; Dec. 18.
- Comstock, H. P. (See Bunker, Charles A., assignor.)
- Comstock, Jackson D., Chester, W. Va. Treating rubber molds. 1,662,365; Mar. 13.
- Comstock Oven Company. (See Comstock, Corry B., assignor.)
- Comstock & Wescott, Incorporated. (See Wescott, Ernest W., assignor.)
- Comte, Jean, Neuilly-sur-Seine, France. Manufacture of aerial metal. 1,670,345; May 22.
- Conally, Henry, Company. (See Warner, William F., jr., assignor.)
- Conant, Arthur P. (See Wadsworth, A. W., and Conant.)

- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 74,823; Apr. 8.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase appendage. Des. 75,475; June 12.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 75,549; June 19.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase bow. Des. 75,550; June 19.
- Conant, Arthur P., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 76,524; Oct. 9.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 77,294; Dec. 25.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ohio. Watchcase. Des. 77,295; Dec. 25.
- Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ohio. Watchcase. Des. 77,296; Dec. 25.
- Conant, David J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sleeved pump motor. 1,687,658; Oct. 16.
- Conant, David J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collector ring. 1,695,884; Dec. 18.
- Conant, Herbert S., Troy, N. Y. Firearm. 1,685,148; Sept. 25.
- Conard, Frederick U., Bridgeport, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,659,562; Feb. 21.
- Conaway, Ernest A., Little Rock, Ark. Seal latch. 1,687,083; Oct. 9.
- Concealed Door Check Company. (See Eastman, Floyd K., assignor.)
- Concealo Fixture Company. (See Noack, William A., assignor.)
- Concrete Elevator Company. (See Westling, Andrew, assignor.)
- Concrete Engineering Company. (See Meyer, Charles L., assignor.)
- Concrete Engineering Company. (See Ochiltree, Ned A., assignor.)
- Concrete Products Company of America. (See Buente, Charles E., assignor.)
- Concrete Tile Machinery Company. (See Brandell, Claus O., assignor.)
- Condenser Corporation of America. (See Danziger, Harold I., assignor.)
- Condit Electrical Manufacturing Corporation. (See Ainsworth, Chester D., assignor.)
- Condit Electrical Manufacturing Corporation. (See Burnham, George A., assignor.)
- Condit Electrical Manufacturing Corporation. (See Dunn, William N., assignor.)
- Condit Electrical Manufacturing Corporation. (See Edsall, William S., assignor.)
- Condit Electrical Manufacturing Corporation. (See Greenwood, Talmia T., assignor.)
- Condit Electrical Manufacturing Corporation. (See Kelle, Arthur C., assignor.)
- Condit Electrical Manufacturing Corporation. (See Wood, Joseph D., assignor.)
- Condit, George M., Waterville, assignor of one-half to W. W. Bowers, Waterbury, Conn. Switch socket. 1,676,079; July 3.
- Condit, George M., Waterville, assignor of one-half to W. W. Bowers, Waterbury, Conn. Switch socket. 1,682,599; Aug. 28.
- Condren, James E., Erie, Pa. Nasal cleaning device. 1,658,801; Feb. 14.
- Condupa, Michael, Greensburg, Pa. Oil filler for automobiles. 1,662,820; Mar. 20.
- Condylis, Jessie C., Louisville, Ky. Diaper. 1,669,188; May 8.
- Cone, Alfred I., New York, N. Y. Spring-operated self-closing shaker receptacle. 1,657,661; Jan. 31.
- Cone, Alfred I., New York, N. Y. Receptacle closure. 1,657,662; Jan. 31.
- Cone, Alfred I., New York, N. Y., and C. A. Darius, Montclair, N. J.; said Cone assignor to said Darius. Spring-operated self-closing receptacle. 1,656,509; Jan. 17.
- Cone, Bennie M., et al. (See Rueppel, W., and Cone, assignors.)
- Cone, Frank L., Windsor, Vt. Stock pusher. 1,657,615; Jan. 31.
- Cone, Frank L., Windsor, Vt. Stock pusher. 1,664,062; Mar. 27.
- Cone, Frank L., Windsor, Vt. Stock pusher. 1,679,515; Aug. 7.
- Cone Gearing Corporation. (See Cone, Samuel I., assignor.)
- Cone, Gifford A., et al. (See Rueppel, W., and Cone, assignors.)
- Cone, James H., Roseland, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,688,652; Oct. 9.
- Cone, Loris. (See Rueppel, W., and Cone.)
- Cone, Philip H., assignor to Modern Foundry Company, Cincinnati, Ohio. Molding. 1,654,721; Jan. 3.
- Cone, Ralph R., assignor to The Asphalt Products Co. Inc., Syracuse, N. Y. Base powder for waterproofing etc., and producing the same. 1,670,844; May 22.
- Cone, Samuel I., Portsmouth, assignor to Cone Gearing Corporation, Norfolk, Va. Precision worm gearing. 1,683,163; Sept. 4.
- Conekin, Dawson, Philadelphia, Pa., assignor to Salvage Heating Appliance Company. Gravity-feed water heater. 1,670,955; May 22.
- Conemaugh Iron Works. (See McFeely, Fred B., assignor.)
- Conemaugh Iron Works. (See McGaughey, Ralph E., assignor.)
- Conger, Claude M., Kansas City, Kans., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Visible index. 1,683,447; Sept. 4.
- Conger, Jonathan D., Clarkston, Wash. Heated roller. 1,668,142; May 1.
- Congoleum-Nairn, Inc. (See Egleson, James E. A., assignor.)
- Congoleum-Nairn, Inc. (See Fauser, Oscar W., assignor.)
- Congoleum-Nairn Inc. (See Sloate, A. C., and Whyte, assignors.)
- Conhaim, Fred, and L. Sweningson, Cleveland, Ohio, assignors to Conhaim Patents Corporation, New York, N. Y. Folding bed. 1,683,958; Sept. 11.
- Conhaim Patents Corporation. (See Conhaim, F., and Sweningson, assignors.)
- Conill, Fernan O., Marseille, France. Motor-vehicle front-glass wiper. 1,669,285; May 8.
- Conill, Fernan O., Marseille, France. Refrigeration. 1,679,205; July 31.
- Coningswood, Michael, Clifton, N. J. Loom harness mechanism. 1,680,501; Aug. 14.
- Conkle, Ralph H., W. F. Clay, and H. L. Weston, Long Beach, Calif. Treating brass condenser tubes. 1,660,597; Feb. 28.
- Conklin, Archie W., assignor, by mesne assignments, to Brodex Company, Winter Haven, Fla. Fruit-treating apparatus. 1,677,229; July 17.
- Conklin, Donald V., Alhambra, Calif. Attachable match box. 1,689,479; Oct. 30.
- Conklin, John E., Brooklyn, N. Y. Faucet connection. 1,681,838; Aug. 21.
- Conklin Pen Company, The. (See Bassett, Gerald L., assignor.)
- Conklin, Philo H., Toledo, Ohio. Segmental-sleeve-valve engine. 1,677,582; July 17.
- Conklin, Roscoe D., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Air compressor. 1,694,583; Dec. 11.
- Conkling, De Witt C., Jackson Heights, N. Y. Power brake. 1,672,481; June 5.
- Conkling, De Witt C., Jackson Heights, Long Island, N. Y. Clutch. 1,686,226; Oct. 2.
- Conley, Bert, Superior, Nebr. Gearless automatic gas-control governor. 1,657,344; Jan. 24.
- Conley, Floyd E., Jackson, Mich., assignor to The American Fork & Hoe Company. Broom rake. 1,680,593; Aug. 14.
- Conley, John E. (See Marden, J. W., and Conley.)
- Conley, John E. (See Marden, J. W., Thomas, and Conley.)
- Conley, Patrick J., Canton, Ohio. Building block. 1,675,093; June 26.
- Conlin, John J., Schenectady, N. Y., assignor to General Electric Company. Purifying metals. 1,665,844; Apr. 10.
- Conlon, Charles M. (See Fernández, Augustin, assignor.)
- Conlon Corporation. (See Anderson, C. F., and Janda, assignors.)
- Conlon Corporation. (See Janda, Rudolph W., assignor.)
- Conlon, Thomas A., Silver Spring, Md. Mount for guns. 1,663,796; Mar. 27.
- Conlon, Thomas A., Silver Spring, Md. Azimuth scale with micrometer mechanism. 1,665,656; Apr. 10.
- Conlon, Thomas A., Silver Springs, Md. Cart. 1,678,585; July 24.
- Conlon, Thomas A., Silver Spring, Md. Mechanical loader for cannon. 1,682,323; Aug. 28.
- Conly, Frank, Indianapolis, Ind. Lock. 1,693,583; Nov. 27.
- Conly, John A., New York, assignor of 40 per cent to J. A. Rauscher, Hollis, N. Y. Wind box. 1,690,089; Oct. 30.
- Conn, C. G., Ltd. (See Chick, Samuel A., assignor.)
- Conn, C. G., Ltd. (See Weber, Charles, jr., assignor.)
- Conn, David G., Yakima, Wash. Combination camp bed and luggage carrier. 1,691,601; Nov. 13.
- Conn, Joseph C., Boonton, N. J. Mechanical movement. 1,690,096; Nov. 6.
- Connecticut Chiropractors' Association. (See Ferguson, Elmer W., assignor.)
- Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)
- Connecticut Molded Products Corporation. (See Groten, Frank J., jr., assignor.)
- Connecticut Telephone & Electric Company, The. (See Cadioux, Joseph O., assignor.)
- Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Motor-driven threading tool. 1,692,487; Nov. 20.
- Connell, Amos C., Schenectady, N. Y., assignor to General Electric Company. Control apparatus. 1,680,765; Aug. 14.

- Connell, Edwin L. (See Schneider, F., and Connell.)
- Connell, Edwin L., East Cleveland, Ohio. Machine for driving nuts, screws, and the like. 1,667,718; May 1.
- Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Electric drill. Des. 76,379; Sept. 25.
- Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Power hand tool. 1,679,155; July 31.
- Connell, Harry W., Baldwinsville, N. Y. Nut. 1,684,215; Sept. 11.
- Connell, James A., Pittston, Pa. Smoke and gas consuming fire box for locomotives. 1,673,104; June 12.
- Connell, James F., Lincoln, Nebr. Baking device. 1,678,690; July 31.
- Connell, Stanley L., Girard, Pa., assignor to The Girard Model Works, Inc. Top. 1,668,050; May 1.
- Connelly, Donald S., Canton, assignor to The Safety Stair Tread Company, Wooster, Ohio. 1,670,798; May 22.
- Connelly, James A., Hamilton, Ohio. Joint packing. 1,677,884; July 24.
- Conner, Benjamin F., assignor to Colt's Patent Arms Manufacturing Company, Hartford, Conn. Medical-tablet container. 1,680,130; Aug. 7.
- Conner, Charles E., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-holding device. 1,695,321; Dec. 18.
- Conner Crouse Corporation. (See Crouse, G. B., and Jatlow, assignors.)
- Conner, Edward A., Stratford, Conn., assignor to American Cable Company, Inc. Stranding machine. 1,691,337; Nov. 13.
- Conner, Harry G., Detroit, Mich. Golf indicating mechanism. 1,684,576; Sept. 18.
- Conner, Joseph A., Santa Clara County, Calif. Measuring device. 1,658,370; Feb. 7.
- Conner, William H., Berkeley, Calif. Tire-rim tool. 1,676,634; July 10.
- Conner, William W., Sewaren, N. J. Removable valve-stem protector. 1,670,241; May 15.
- Connors, George H., Hartford, Conn. Advertising apparatus. 1,683,760; Sept. 11.
- Connors, John J., Tuckahoe, assignor to Frank & Son, Inc., New York, N. Y. Stool. 1,671,013; May 22.
- Connorsville Blower Co., The. (See Benesh, Matthew E., assignor.)
- Connorsville Blower Co., The. (See Hassler, Ernest C., assignor.)
- Connery, Alder F., Jamaica, assignor to Commercial Cable Company, New York, N. Y. Synchronizing system. 1,679,852; Aug. 7.
- Connery, Michael J., Farley, Iowa. Fuse-dispensing cabinet. 1,696,190; Dec. 25.
- Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Thermostatic brake. 1,665,201; Apr. 10.
- Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Proportionate meter. 1,681,762; Aug. 21.
- Connet, Frederick N., and G. T. Huxford, assignors to Builders Iron Foundry, Providence, R. I. Rate-of-flow controller. 1,673,041; June 12.
- Conniff, Philip H., St. Augustine, Fla. Fire-brick construction for locomotive fire-boxes. 1,674,241; June 19.
- Connolly, Gerald C. (See Miller, E. B., and Connolly.)
- Connolly, John L., New York, N. Y. Railway rail, wheel, and brake shoe. 1,666,167; Apr. 17.
- Connolly, Thomas F., and L. Randle, Colfax, Wash.; said L. Randle assignor to C. E. Randle, Pullman, Wash. Rat trap. 1,680,594; Aug. 14.
- Connolly, William B., assignor to North East Electric Company, Rochester, N. Y. Condenser mounting. 1,685,563; Sept. 25.
- Connor, James F., Renova, Pa. Combination brush, knife, and roller. 1,693,745; Dec. 4.
- Connor, Robert A., Philadelphia, Pa. Vehicle signal. 1,673,061; June 12.
- Connor, Samuel. (See Smith, Joseph W., assignor.)
- Connors, Clarence A., assignor of one-third to F. McKnight, Detroit, Mich. Combination fan. 1,677,888; July 24.
- Connors, John L., Chicago, assignor to Morgan-Gardner Electric Company, Harvey, Ill. Motor car. 1,661,409; Mar. 6.
- Connors, William J., San Jose, Calif. Adjustable window sash. 1,689,519; Oct. 30.
- Conolly, Henry, Company. (See Warner, William F., Jr., assignor.)
- Conover Company, The. (See Conover, George W., assignor.)
- Conover, Courtney, Crafton, assignor to The Selden Company, Pittsburgh, Pa. Plastic composition. 1,678,105; July 24.
- Conover, George W., assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 1,679,465; Aug. 7.
- Conover, John C., Somerville, N. J. Guide for molder tables. 1,684,969; Apr. 3.
- Conrad, C. H., et al., trustees. (See Burrow, George A., assignor.)
- Conrad, Edward L., Kansas City, Mo. Wrench. 1,672,804; June 5.
- Conrad, Ewald, Quasnitz, near Leipzig, assignor to the firm Aktien-Gesellschaft für Schmiertechnik, Leipzig, Germany. Grease cup. 1,676,523; July 10.
- Conrad, Frank. (See Nyman, A., and Conrad.)
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving cabinet. 1,655,985; Jan. 10.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone device. 1,660,864; Feb. 28.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving set. 1,664,192; Mar. 27.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone device. 1,680,409; Aug. 14.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Directive antenna system. 1,689,863; Oct. 30.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Aerial system. 1,691,338; Nov. 13.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,695,917; Dec. 18.
- Conrad, Frank A., St. Paul, Minn. Hot-air furnace. 1,666,736; Apr. 17.
- Conrad, Frank A., St. Paul, Minn. Hot-air furnace. 1,672,247; June 5.
- Conrad, Frederick K., St. Paul, Minn. Folding bed. 1,691,268; Nov. 13.
- Conrad, George R., Watson, Mo. Aerial. 1,676,524; July 10.
- Conrad, Nicholas J., assignor to Schweitzer & Conrad, Chicago, Ill. Fuse. 1,665,445; Apr. 10.
- Conrad, Nicholas J., Wilmette, assignor to Schweitzer & Conrad, Chicago, Ill. Fuse clip. 1,665,446; Apr. 10.
- Conrad, Nicholas J., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 1,689,424; Oct. 30.
- Conrad, William L., Boston, Mass. Processing apparatus. 1,665,624; Apr. 10.
- Conrader, Rudolph, Erie, Pa. Reciprocating-plunger mechanism. 1,672,805; June 5.
- Conrader, Rudolph, Erie, Pa. Pump-controlling mechanism. 1,676,518; July 10.
- Conrader, Rudolph, Erie, Pa. Controlling mechanism for compressors. 1,695,368; Dec. 18.
- Conradson, Conrad M., Madison, Wis., assignor to Joseph T. Ryerson & Son, Chicago, Ill. Milling machine. 1,659,426; Feb. 14.
- Conradson, Conrad M., Madison, Wis., assignor to Joseph T. Ryerson & Son, Chicago, Ill. Radial drilling machine. 1,660,477; Feb. 28.
- Conradson, Conrad M., Madison, Wis., assignor to Joseph T. Ryerson & Son, Chicago, Ill. Selective geared head lathe. 1,683,448; Sept. 4.
- Conradson, Conrad M., Green Bay, Wis., assignor to Joseph T. Ryerson & Son, Chicago, Ill. Milling machine. 1,659,460; Feb. 14.
- Conradson, Prentice, Evansville, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,695,759; Dec. 18.
- Conratt, William F., Davenport, Iowa. Percolator top. 1,695,918; Dec. 18.
- Conroy, James J., St. Paul, Minn. Radiator hanger. 1,652,486; Aug. 28.
- Conroy, James T., A. Lamble, and J. J. Latham, assignors to The United Alkali Company Limited, Liverpool, England. Drying bleaching powder. 1,680,087; Aug. 7.
- Conroy, John F., sr. (See O'Connor, William H., assignor.)
- Considine, Edward H., Chicago, Ill. Aerial support. 1,664,161; Mar. 27.
- Considine, Eugene F., Walkerville, Ontario, Canada. Piling. 1,691,704; Nov. 13.
- Consolidated Ashcroft Hancock Company. (See Graesser, C. H., and Crocker, assignors.)
- Consolidated Ashcroft Hancock Company. (See Heise, Otto W., assignor.)
- Consolidated Ashcroft Hancock Company. (See Heman, Emil A., assignor.)
- Consolidated Ashcroft Hancock Company. (See Williston, Belvin T., assignor.)
- Consolidated Ashcroft Hancock Company. (See Winslow, Sewell B., assignor.)
- Consolidated Car-Heating Company. (See Griffin, Percy M., assignor.)
- Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
- Consolidated Car-Heating Company. (See Miller, Charles H., assignor.)
- Consolidated Car-Heating Company Inc. (See Oakley, George E., assignor.)
- Consolidated Coal and Coke Company, The. (See Weeth, Thomas E., assignor.)
- Consolidated Electric Sign Corporation. (See Russell, Harry G., assignor.)
- Consolidated Expanded Metal Companies. (See Cross, Leonard W., assignor.)
- Consolidated Instrument Company of America. (See Leopold, Joseph, assignor.)
- Consolidated Lamp and Glass Company. (See Haley, Reuben, assignor.)
- Consolidated Machine Tool Corporation of America. (See Trosch, Alfred, assignor.)
- Consolidated Machine Tool Corporation of America, Newton Machine Tool Works. (See Rollings, Ernest J., assignor.)

- Consolidated Paper Company, The. (See Newcomer, Irving A., assignor.)
- Consolidated Research Laboratories, Inc. (See Bliziotis, George E., assignor.)
- Consolidated Steam Specialty Company. (See Hutchin-son, Frank L., assignor.)
- Consolidated Steel & Iron Company, The. (See Lynn, Edward W., assignor.)
- Consolidated Steel Strapping Company. (See Leslie, John W., assignor.)
- Consolidated Steel Strapping Company. (See Swenson, Carl O., assignor.)
- Consolidation Coal Products Company. (See McIntire, Charles V., assignor.)
- Consortium für Elektrochemische Industrie. (See Herrmann, W. O., and Haehnel, assignors.)
- Consortium für Elektrochemische Industrie G. m. b. H. (See Baum, E., Deutsch, Herrmann, and Mugdan, assignors.)
- Constantin, Louis, Paris, assignor of one-half to P. Fortier-Beaulieu, Roanne, France. Regulating arrangement for windmills. 1,672,152; June 5.
- Constantin, Louis, Paris, assignor of one-half to Fortier-Beaulieu, Roanne, France. Connecting windmills with electric generators. 1,677,027; July 10.
- Constantin, Louis, Paris, and G. Daloz, Becon-les-Bruyeres, France. Ship, boat, and other vehicle provided with aerial turbines. 1,680,666; Aug. 14.
- Constantine, Alphonse A., Jeffersonville, Ind., assignor to American Car and Foundry Company, New York, N. Y. Holding means for car-vestibule trapdoors. 1,685,124; Sept. 25.
- Constantine, Arthur R. (See Harley, W. S., and Constantine.)
- Constantinesco, George, Weybridge, England. Unidirectional driving device. 1,664,874; Apr. 3.
- Construction Machinery Company. (See Rosendahl, Nils M., assignor.)
- Construction Machinery Company. (See Westling, Carl J., assignor.)
- Contact Filtration Company. (See Prutzman, Paul W., assignor.)
- Container Corporation of America. (See Hans, Thomas, assignor.)
- Container Corporation of America. (See Walter, Harrison B., assignor.)
- Conti, Anthony Brooklyn, N. Y. Lettering device. 1,672,751; June 5.
- Conti, Emile, Alfortville, France. Shock-absorbing means for automobiles. 1,676,525; July 10.
- Conti, Emile, Alfortville, France. Shock arrester. 1,696,472; Dec. 25.
- Conti, Eugene, Cliffside Park, N. J., assignor to A. Herz, New Rochelle, N. Y. Tube-forming machine. 1,660,832; Feb. 28.
- Conti, Eugene, Cliffside Park, N. J., assignor to A. Herz, New Rochelle, N. Y. Gumming machine. 1,676,005; July 3.
- Conticchio, Rocco, assignor of two-thirds to J. Kullmann and A. Kullmann, Mount Vernon, N. Y. Attaching rubber heels to shoes. 1,656,096; Jan. 10.
- Continental Baking Company. (See Barber, George G., assignor.)
- Continental Can Company. (See Coyle, John, assignor.)
- Continental Can Company. (See Fink, Henry A., assignor.)
- Continental Can Company. (See Goldsworthy, N. H., and Flook, assignors.)
- Continental Can Company. (See Hare, Lawrence V., assignor.)
- Continental Can Company. (See Hodgson, William W., assignor.)
- Continental Can Company. (See Hodgson, W. W., and Engelman, assignors.)
- Continental Can Company. (See Kronquest, Alfred L., assignor.)
- Continental Can Company. (See Mason, Eugene G., assignor.)
- Continental Can Company. (See Morrison, Glenn D., assignor.)
- Continental Can Company. (See O'Neil, James H., assignor.)
- Continental Can Company. (See Sedwick, Mathew M., assignor.)
- Continental Can Company. (See Taliaferro, J. C., and Coyle, assignors.)
- Continental Gin Company. (See Elliott, Thomas, assignor.)
- Continental Mills, Inc. (See Brown, Millard D., assignor.)
- Continental Mills, Inc. (See Springthorpe, Isaac, assignor.)
- Continental Motors Corporation. (See Niven, Archie M., assignor.)
- Continental Oil Company. (See Naylor, Leslie W., assignor.)
- Continental Optical Corporation. (See Aldrich, Carl G., assignor.)
- Continental Optical Corporation. (See Bugbee, Lucian W., assignor.)
- Continental Optical Corporation. (See Clark, Charles C., assignor.)
- Continental Optical Corporation. (See Gamble, John D., assignor.)
- Continental Products Corporation. (See Fabbrian, Frank, assignor.)
- Continental Railway Supply Corporation. (See Hyle, J. A., and Keatley, assignors.)
- Continental Railway Supply Corporation. (See Norwood, Harry G., assignor.)
- Continental Railway Supply Corporation. (See Schroeder, Frank J., assignor.)
- Continental Roofing & Manufacturing Company, The. (See Dohm, Charles W., assignor.)
- Continental Rubber Works. (See Caldwell, Albert E., assignor.)
- Continsouza, Victor, and M. Combes, Paris, France. Cinematograph apparatus with continuously-fed film. 1,690,770; Nov. 6.
- Continuous Train Control Corporation. (See Clark, James E., assignor.)
- Continuous Train Control Corporation. (See Clark, Thomas E., assignor.)
- Continuous Train Control Corporation. (See Clark, Thomas E. and J. E., assignors.)
- Continuous Train Control Corporation. (See Clark, Thomas E. and J. E., and Coop, assignors.)
- Continuous Train Control Corporation. (See Coop, W. L., and Stone, assignors.)
- Continuous Train Control Corporation. (See Stone, Charles B., assignor.)
- Conway, Earle E., et al., trustees. (See Tunstall, William B., assignor.)
- Conway, George E., Cresskill, N. J. Shingle construction. 1,661,562; Mar. 6.
- Conway, George E., Cresskill, N. J. Shingle and shingle construction. 1,665,774; Apr. 10.
- Conway, John J., assignor to The Acme Shear Company, Bridgeport, Conn. Shipping and display box. 1,682,069; Aug. 28.
- Conway, Robert E., Hammond, Ind., assignor to Metalcraft Corporation, St. Louis, Mo. Toy knockdown aeroplane. 1,674,637; June 26.
- Conwell Graphic Company. (See Conwell, Lee R., assignor.)
- Conwell Graphic Company. (See Hornecker, George, assignor.)
- Conwell, Lee R., Elmhurst, assignor to Conwell Graphic Company, Incorporated, New York, N. Y. Display device. 1,692,404; Nov. 20.
- Conwill, Fred F., Berkeley, Calif. Pad for decorating. 1,667,841; May 1.
- Conzelman, John E., South Pasadena, Calif. Pile and making same. 1,681,609; Aug. 21.
- Coogle, Charles P., Greenwood, Miss., assignor to United States of America. Sanitary device for repelling mosquitoes and other insects. 1,662,738; Mar. 13.
- Cook, A. D., Inc. (See Willers, George E., assignor.)
- Cook, Albert. (See Spina, S., and Cook.)
- Cook, Albert E., Evanston, Ill. Auto marine vehicle. 1,686,517; Oct. 9.
- Cook, Albert E., Evanston, assignor to C. B. Cook, Chicago, Ill. Auto marine vehicle. 1,678,180; July 24.
- Cook, Alvin B., assignor to The L. S. Starrett Company, Athol, Mass. Measuring ruler. 1,663,293; Mar. 20.
- Cook, Ansel R., Sacramento, Calif. Rotary type of plow. 1,665,532; Apr. 10.
- Cook, Arch L., Bluffton, Ind. Glove. 1,658,228; Feb. 7.
- Cook, Benjamin W., Midland, Mich. Gate. 1,677,708; July 17.
- Cook, Bernard. (See Henley, R. G., and Cook.)
- Cook, Byron G. (See Clarke, W. H., and Cook.)
- Cook, Byron L., San Mateo, and E. O. Hermann, Mill Valley, Calif. Brake-power-multiplying device. 1,662,417; Mar. 13.
- Cook, Carl B., Haddonfield, assignor to Charles K. Cook Company, Incorporated, Camden, N. J. Manufacture of wallets and pocketbooks. 1,661,924; Mar. 6.
- Cook, Charles B. (See Cook, Albert E., assignor.)
- Cook, Charles K., Company. (See Cook, Carl B., assignor.)
- Cook, Christian H. (See Katz, A. A., and Cook.)
- Cook, David B., and E. F. Cookinham, assignors to Acme Road Machinery Company, Frankfort, N. Y. Road roller. 1,672,375; June 5.
- Cook, Donald J., Gunthorpe, near Melton Constable, England. Apparatus for testing eggs. 1,682,598; Aug. 28.
- Cook, Earle S. (See Thomas, T. H., and Cook.)
- Cook, Earle S., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control device. 1,674,761; June 26.
- Cook, Edward W., assignor of one-half to E. I. Field, Los Angeles, Calif. Cooling tower. 1,665,022; Apr. 3.
- Cook Electric Company, The. (See Baker, John S., assignor.)
- Cook Electric Company. (See Folds, George R., assignor.)
- Cook Electric Company. (See Folds, G. R., and Baker, assignors.)
- Cook Electric Company. (See Persons, Lawrence M., assignor.)
- Cook, Ellsworth D., Scotia, N. Y., assignor to General Electric Company. Synchronism-indicating means. 1,688,790; Oct. 23.

- Cook, Elnathan C., conservator. (See McClellan, Benjamin S.)
- Cook, Eugene, Pauls Valley, Okla. Pneumatic-tire-casing repair plug. 1,670,242; May 15.
- Cook, Everett J., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,692,157; Nov. 20.
- Cook, Falle, Commerce, Okla. Bed regulator and chacter for jigs. 1,669,811; May 15.
- Cook, Floyd J., Medford, Oreg. Assorting machine. Re-17,149; Dec. 4.
- Cook, Francis A., San Diego, Calif. Oil-change-recording device. 1,686,369; Oct. 2.
- Cook, Frank J., Cleveland, Ohio. Electrical cooking apparatus. 1,662,847; Mar. 20.
- Cook, Fred W., assignor to Perfection Cooler Company, Michigan City, Ind. Liquid-cooler bottle. Des. 76,124; Aug. 21.
- Cook, Frederick R. (See Tibbot, G. B., and Cook.)
- Cook, Grafton H., Niles, Mich. Hamper. Des. 75,613; June 26.
- Cook, H. N., Belting Company, The. (See Cook, Milton H., assignor.)
- Cook, Harry, Sag Harbor, assignor to Joseph Fahys & Company, New York, N. Y. Forming watchcases. 1,679,466; Aug. 7.
- Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc. Hypodermic syringe and cartridge therefor. 1,661,818; Mar. 6.
- Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc., Chicago, Ill. Medicament cartridge and hypodermic syringe embodying the same. 1,687,323; Oct. 9.
- Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,687,324; Oct. 9.
- Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringe. 1,694,767; Dec. 11.
- Cook, Harvey S., Valparaiso, Ind., assignor to Cook Laboratories, Inc., Chicago, Ill. Aseptic needle holder. 1,694,768; Dec. 11.
- Cook, Henry W., assignor to A. E. Nettleton Company, Syracuse, N. Y. Credit card. Des. 76,525; Oct. 9.
- Cook, Joel R., Cleveland, Ohio, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Thermostatic control for electric switches. 1,679,649; Aug. 7.
- Cook, John H., Salt Lake City, Utah. Valve. 1,691,626; Nov. 13.
- Cook, John J., Chicago, Ill. Pull-chain terminal. 1,672,929; June 12.
- Cook Laboratories, Inc. (See Brown, Henry K., assignor.)
- Cook Laboratories, Inc. (See Cook, Harvey S., assignor.)
- Cook, Lester G., Lincoln, Nebr. Porch and lawn swing. 1,686,145; Oct. 2.
- Cook, Louis A., assignor to himself and O. C. Ross, Akron, Ohio. Furnace. 1,658,971; Feb. 14.
- Cook, Merlin S. (See Curtis, Zenas A., assignor.)
- Cook, Milton H., assignor to The H. N. Cook Belting Company, San Francisco, Calif. Leather product. 1,677,125; July 17.
- Cook, Otto W., Rochester, N. Y. Composition for joining strips of motion-picture films. 1,690,622; Nov. 6.
- Cook, Paul, Everett, Wash. Self-sharpening safety razor. 1,674,949; June 26.
- Cook, Paul, Linden, Md. Razor. 1,681,396; Aug. 21.
- Cook, Paul, Seattle, Wash. Razor. 1,681,466; Aug. 21.
- Cook, Ralph S., Lancaster, Ohio. Receptacle for liquids. 1,674,638; June 26.
- Cook, Raymond L., et al. (See Boyd, Frank L., assignor.)
- Cook, Roy J. (See Strid, Sven J., assignor.)
- Cook, Stanley S. (See Parsons, C. A., and Cook.)
- Cook, Thomas R., assignor to The Hudson Coal Company, Scranton, Pa. Journal box, bearing, wheel, and axle assembly. 1,666,368; Apr. 17.
- Cook, Wallace L., assignor to Reliable Electric Co., Chicago, Ill. Protector. 1,691,705; Nov. 13.
- Cook, Walter H. (See Hartman, Jacob Y., assignor.)
- Cook, William, Fort Madison, Iowa. Rail-fastening construction. 1,663,974; Mar. 27.
- Cook, William A., assignor to Marion Machine, Foundry & Supply Company, Marion, Ind. Steam-cylinder valve-operating means. 1,661,466; Mar. 6.
- Cook, William A., assignor to Marion Machine, Foundry & Supply Co., Marion, Ind. Reversible clutch. 1,661,467; Mar. 6.
- Cook, William A., and E. P. Stroup, assignors to Marion Machine, Foundry & Supply Company, Marion, Ind. Soot blower. 1,676,479; July 10.
- Cook, William E. (See Beuford, George, assignor.)
- Cook, William E., New York, N. Y. Carrier for braiding machines. 1,662,454; Mar. 13.
- Cook, William E., New York, N. Y. Wire splice. 1,671,979; June 5.
- Cook, William E., New York, N. Y. Carrier for tubular braiding machines. 1,689,116; Oct. 23.
- Cook, William J., Wheeling, W. Va. Pickling apparatus. 1,656,693; Jan. 17.
- Cook, William J., Wheeling, W. Va. Pickling apparatus. 1,668,355; May 1.
- Cook, William N., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Goggle nose bridge. 1,666,407; Apr. 17.
- Cook, William N., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Goggle. 1,669,229; May 8.
- Cook, William N., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Goggles. 1,677,747; July 17.
- Cook, William S., Parkersburg, W. Va. Insulator. 1,672,059; June 5.
- Cook, William S., Parkersburg, W. Va. Electrical insulator. 1,688,411; Oct. 23.
- Cooke, Albert G., and C. Phillips, Hove, England. Gas meter. 1,664,193; Mar. 27.
- Cooke, Charles J., Washington, D. C. Diving apparatus. 1,681,029; Aug. 14.
- Cooke & Cobb Company, The. (See Vallean, Thomas F., assignor.)
- Cooke, George T., South Norwalk, Conn. Locking means for pins, bolts, and the like. 1,670,652; May 22.
- Cooke, George T., Norwalk, Conn. Cotter-pin-locking means. 1,692,026; Nov. 20.
- Cooke, George W., Forest Hills, assignor, by mesne assignments, to Standard Faucet Works, Inc., New York, N. Y. Combination bung and faucet. 1,679,604; Aug. 7.
- Cooke, James, New York, assignor of one-half to W. A. Creamer, Brooklyn, N. Y. Incandescent-lamp lock. 1,676,728; July 10.
- Cooke, Joe R., Odem, assignor of one-half to J. E. Palmer, Kerrville, Tex. Fish guard. 1,663,398; Mar. 20.
- Cooke, John M., Revere, assignor to N. W. Mathey, Boston, Mass. Blower attachment for machines. 1,686,439; Oct. 2.
- Cooke, Milton W., Mount Lebanon, and O. Williams, Pittsburgh, Pa. Electric switching device. 1,685,149; Sept. 25.
- Cookmaster, Edmond, Fairgrove, Mich. Bushing remover. 1,680,320; Aug. 14.
- Cookinham, Edward F. (See Cook, D. B., and Cookinham.)
- Cooksey, Ernest B., assignor to International Shoe Company, St. Louis, Mo. Shoe form. 1,671,346; May 29.
- Coolbaugh, Melville F. (See Read, J. B., and Coolbaugh.)
- Coolbaugh, Melville F., and J. B. Read, Golden, assignors to The Complex Ores Recoveries Company, Denver, Colo. Desulphurizing and desulphurizing sulphur minerals. 1,657,711; Jan. 31.
- Cooley, Carl J., Newcomerstown, Ohio. Railway crossing. 1,670,845; May 22.
- Cooley, Edward H., Point Marion, Pa. Combination grave marker and flower holder. 1,661,361; Mar. 6.
- Cooley, Ralph M., St. Paul, Minn. Vehicle supporting device for soft roads. 1,664,592; Apr. 3.
- Coolidge, Cole. (See Stine, C. M. A., and Coolidge.)
- Coolidge, Cole, Wilmington, Del., and H. E. Eastlack, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and making the same. 1,663,119; Mar. 20.
- Coolidge, E. B., et al. (See Boyd, Frank L., assignor.)
- Coolidge, Leigh H., Seattle, Wash. Propeller-blade measuring instrument. 1,696,525; Dec. 25.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray apparatus. 1,655,455; Jan. 10.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray device. 1,659,133; Feb. 14.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Hot-cathode device. 1,684,263; Sept. 11.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Vacuum device. 1,694,967; Dec. 11.
- Cooling Tower Co., The. (See Dauphinee, George S., assignor.)
- Coombes, Warren E., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe rack. 1,687,930; Oct. 16.
- Coon, Chester C., Oakland, Calif. Mechanical hand. 1,694,058; Dec. 4.
- Coon, Edwin L., Silver Creek, N. Y. Valve mechanism for explosive engines. 1,673,734; June 12.
- Coon, Frank F., Jr., Washington, D. C. Medicament injector. 1,669,601; May 15.
- Coon, James C., assignor to The Coonway Machine Company Incorporated, Brooklyn, N. Y. Attachment for plateless engraving machines. 1,659,243; Feb. 14.
- Coon, Jennie M., Battle Creek, Mich. Automobile signal light. 1,667,772; May 1.
- Cooney, Lawrence J., Pittsburgh, Pa., assignor to Keystone Grinder and Manufacturing Company. Grinding machine. 1,667,719; May 1.
- Cooney, Peter A., Chicago, Ill., assignor, by mesne assignments, to Electrecorder Corporation, Dover Del. Apparatus for measuring production. 1,687,281; Oct. 9.
- Cooney, Robert L., Atlanta, Ga. Thermionic valve. 1,671,854; May 29.
- Cooney, Sebern A., Glenbrook, Conn. Salt container. 1,667,882; May 1.
- Cooney, Thomas F., West Haven, Conn. Juice extractor; Des. 75,720; July 10.
- Coons, Burton C., assignor to Coons Manufacturing Company, Inc., Rochester, N. Y. Machine for removing seed cells from fruit such as apples. 1,681,467; Aug. 21.
- Coons Manufacturing Company. (See Coons, Burton C., assignor.)
- Coonway Machine Company Incorporated, The. (See Coon, James C., assignor.)

- Coop, William L. (See Clark, Thomas E. and J. E., and Coop.)
- Coop, William L., and C. B. Stone, assignors to Continuous Train Control Corporation, Detroit, Mich. Air-brake-control mechanism. 1,678,106; July 24.
- Cooper, Albert J., Kew, and A. A. Bilney, London, England. Hinged joint. 1,691,468; Nov. 13.
- Cooper, Alfred, Stowmarket, England. Teaching device. 1,664,808; Apr. 3.
- Cooper, Basil P., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Steam generator. 1,687,832; Oct. 16.
- Cooper, Basil P. (See Gouldbourn, J., Cooper, and Elliott.)
- Cooper, Charles, & Company. (See Kleinhans, Hugo L., assignor.)
- Cooper, Charles, and D. M. Henshaw, assignors to W. C. Holmes and Company, Limited, Huddersfield, England. Dehydrating ammonia vapor. 1,654,863; Jan. 3.
- Cooper, Charles G., Yuma, Ariz. Hose coupler. 1,679,709; Aug. 7.
- Cooper, Charles G., and A. J. Dinkel, Yuma, Ariz. Pneumatic grease gun. 1,657,819; Jan. 31.
- Cooper, Clark, Philadelphia, Pa. Pneumatic signal. 1,660,785; Feb. 28.
- Cooper, Clark, Philadelphia, Pa. Whistle. 1,663,648; Mar. 27.
- Cooper, Dennis S., Abilene, Tex. Knee pad. 1,666,846; Apr. 17.
- Cooper, Erwin C., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,684,910; Sept. 18.
- Cooper, Francis W., Montreal, Quebec, Canada, assignor to Stead Rail Anchors, Incorporated, New York, N. Y. Rail anchor. 1,682,370; Aug. 28.
- Cooper, George H., Hartford, Conn. Tuned transformer. 1,664,541; Apr. 3.
- Cooper, Glen D., assignor of one-half to C. H. Johnston, Leon, Iowa. Automatic record file. 1,656,047; Jan. 10.
- Cooper, Harold M., Marshalltown, Iowa. Gasoline reserve. 1,666,254; Apr. 17.
- Cooper, Harry L., Philadelphia, Pa. Stocking. Des. 75,150; May 15.
- Cooper, Henry B., Columbus, Ohio. Accelerator for motor vehicles. 1,690,333; Nov. 6.
- Cooper Hewitt Electric Company. (See Buttolph, Leroy J., assignor.)
- Cooper Hewitt Electric Company. (See Mailey, Roy D., assignor.)
- Cooper Hewitt Electric Company. (See Mailey, R. D., and Winninghoff, assignors.)
- Cooper Hewitt Electric Company. (See Millar, George A., assignor.)
- Cooper Hewitt Electric Company. (See O'Shea, James P., assignor.)
- Cooper Hewitt Electric Company. (See Rollinson, Earl H., assignor.)
- Cooper Hewitt Electric Company. (See Transom, Frederick, assignor.)
- Cooper Hewitt Electric Company. (See Walker, Warren R., assignor.)
- Cooper Hewitt Electric Company. (See Winninghoff, Wilford J., assignor.)
- Cooper Humane Trap Co. (See Cooper, William, assignor.)
- Cooper, James E., Perry, N. Y. Carving machine. 1,686,960; Oct. 9.
- Cooper, Jehangir M., Bombay, British India. Printing, varnishing, and the like. 1,656,170; Jan. 17.
- Cooper, Jehangir M., Bombay, India. Printing process and apparatus therefor. 1,678,497; July 24.
- Cooper, John, Evanston, Ill. Toy electric railroad switch. 1,671,971; June 5.
- Cooper, Joseph, New York, N. Y. Latching means for adjustable tables. 1,639,663; Oct. 30.
- Cooper, Leopold. (See Olson, O. E., and Cooper.)
- Cooper, Roy D., Oakland, Calif. Combination tool. 1,678,807; July 31.
- Cooper, Sidney G., Baton Rouge, La. End-thrust bearing. 1,659,858; Feb. 21.
- Cooper, Simon. (See Koppelman, M., and Cooper.)
- Cooper, Simon, Brooklyn, N. Y. Electrical sostenuto piano. 1,681,635; Aug. 21.
- Cooper, Thomas H. (See Long, Melvin J., assignor.)
- Cooper, Thomas L. R., London, England. Dynamo-electric machine. 1,678,380; July 24.
- Cooper, Wellesley B. (See Coyle, J. A., and Cooper.)
- Cooper, William, Apalachin, assignor to Cooper Humane Trap Co., Inc., Binghamton, N. Y. Animal trap. 1,692,158; Nov. 20.
- Coote, John M., Elizabeth, N. J., assignor to Coote Products Corporation, New York, N. Y. Electrical testing device. 1,696,266; Dec. 25.
- Coote Products Corporation. (See Coote, John M., assignor.)
- Coover, Harry S. (See Walsh, T., and Coover.)
- Coover, Harry S. (See Walsh, T., Coover, and Abronski.)
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Furnace door and pusher interlock. 1,690,272; Nov. 6.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Electric furnace. 1,690,273; Nov. 6.
- Cope, Frank T., assignor to The Electrical Furnace Company, Salem, Ohio. Annealing furnace. 1,694,684; Dec. 11.
- Cope, Joseph H., Denver, Colo. Sweep rake. 1,654,722; Jan. 3.
- Cope, Joseph H., Denver, Colo. Double-A extension haystacker. 1,655,594; Jan. 10.
- Cope, Joseph H., Denver, Colo. Push off for sweep rakes. 1,684,264; Sept. 11.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Zoned resistor for electric furnaces. 1,670,846; May 22.
- Cope, Frank T., assignor to The Electric Furnace Company, Salem, Ohio. Discharging and quenching mechanism for furnaces. 1,675,795; July 3.
- Copeland, Arch G., Rich Hill, assignor of one-half to F. V. Reagel, Jefferson City, Mo. Drilling machine. 1,682,955; Sept. 4.
- Copeland, Eugene A., assignor to The Samuel Winslow Skate Manufacturing Company, Worcester, Mass. Skate roller. 1,666,168; Apr. 17.
- Copeland, Francis C., San Francisco, Calif. Pump and tank assembly. 1,655,939; Jan. 10.
- Copeland Products, Inc. (See Little, Thomas J., jr., assignor.)
- Copeland Products Inc. (See Nelson, Owen F., assignor.)
- Copeland, William A., Boston, Mass., assignor to International Shoe Company, St. Louis, Mo. Sole-waxing machine. 1,692,332; Nov. 20.
- Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
- Copeman, Lloyd G., Flint, Mich. Sharp-freezing container for mechanical refrigerators. 1,675,599; July 3.
- Copeman, Lloyd G., Flint, Mich. Refrigerator cabinet and controlling the temperature therein. 1,681,398; Aug. 21.
- Copeman, Lloyd G., Flint, Mich. Refrigerating system and operating the same. 1,693,138; Nov. 27.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Table-top construction. 1,656,422; Jan. 17.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Method and apparatus for accelerating setting of stone castings. 1,656,423; Jan. 17.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Making match-plate patterns. 1,667,720; May 1.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Stone mold. 1,667,721; May 1.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Match-plate pattern. 1,667,722; May 1.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Table-top construction. 1,667,723; May 1.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Container for power refrigeration. 1,671,761; May 29.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Cooling unit for refrigerating apparatus. 1,671,762; May 29.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerator or cabinet. 1,681,397; Aug. 21.
- Copeman, Lloyd G., Flint, assignor to Copeman Laboratories Company, Detroit, Mich. Refrigerator cabinet and controlling and operating the same. 1,681,399; Aug. 21.
- Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Refrigerator or cabinet. 1,692,159; Nov. 20.
- Copey, James D., and B. Garllus, assignors to Star Service Hanger Co., Detroit, Mich. Wireworking machine. 1,679,204; July 31.
- Coplan, Archibald H., et al. (See Baillot, Alphonse E., assignor.)
- Coplan, Archibald H., Ottawa, Ontario, Canada, assignor to Economy Metal Products Corporation, New York, N. Y. Cupola. 1,675,255; June 26.
- Copland, Alexander W., Detroit, Mich. Dough-depositing machine. 1,657,457; Jan. 31.
- Copland, Alexander W., Birmingham, assignor to Detroit Trust Company, Detroit, Mich. Process and apparatus for lapping gears and other objects. 1,683,869; Sept. 11.
- Copland, Alexander W., Birmingham, Mich., and M. I. Mathewson, Providence, R. I., assignors to Detroit Trust Company, Detroit, Mich. Truing gears. 1,683,867; Sept. 11.
- Copland, Alexander W., Birmingham, Mich., and M. I. Mathewson, Providence, R. I., assignors to Detroit Trust Company, Detroit, Mich. Machine for truing gears. 1,683,868; Sept. 11.
- Copley, Almon W., San Francisco, Calif., and R. D. Evans, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of distribution. 1,693,574; Nov. 27.
- Copley, Noiberto G., assignor to Sunny Line Appliances, Incorporated, Detroit, Mich. Electric switch. 1,663,680; Mar. 27.
- Copony Auto Loading Company, The, et al. (See Michod, Charles L., assignor.)
- Copp, Benjamin F., Albuquerque, N. Mex. Key holder. 1,666,776; Apr. 17.
- Copp, Earl F., Montclair, N. J. Golf tee. 1,664,400; Apr. 3.
- Copper Plate Sheet and Tube Company. (See Watkins, William E., assignor.)

- Coppes Brothers & Zook. (See Coppes, Marvin, assignor.)
Coppes, Marvin, assignor to Coppes Brothers & Zook, Nappanee, Ind. Kitchen cabinet. 1,668,232; May 1.
Cople, Oliver A., Cushing, Okla. Vehicle signal. Des. 76,287; Sept. 11.
Coppock, Fred D., Greenville, Ohio. Concrete crossing slab. 1,672,752; June 5.
Coppock, Frederick D., Greenville, Ohio. Textile fabric. Des. 76,288; Sept. 11.
Coppus, Frans H. C., et al., trustees. (See Coppus, Frans H. C., assignor.)
Coppus, Frans H. C., Worcester, Mass., assignor to A. M. C. Wechsberg, V. L. Wood, and F. H. C. Coppus, trustees. System of drafting locomotives in roundhouses. 1,669,455; May 15.
Copson, Ernest D., Linwood, assignor to The Viscose Company, Marcus Hook, Pa. Pump. 1,678,556; July 24.
Corbett, James, assignor of one-half to B. Cohen, Toronto, Ontario, Canada. Rotary pump. 1,661,468; Mar. 6.
Corbett, Matt Q., Dayton, Ohio. Airship mooring mast. 1,693,476; Nov. 27.
Corbett, Theodore, New York, N. Y. Platform support for suspended scaffolds. 1,658,670; Feb. 7.
Corbett, Willie R., Paducah, Ky. Automatically-operated orchestral device. 1,688,450; Oct. 23.
Corbiere, Joseph, assignor to N. Govin, New York, N. Y. Fuel economizer. 1,663,903; Mar. 27.
Corbin, Elbert A., jr., Swarthmore, assignor of one-third to W. C. Biddle, Lansdowne, and one-third to W. A. Brown, Philadelphia, Pa. Cushion wheel. 1,664,389; Mar. 27.
Corbin, Elbert A., jr., Swarthmore, assignor of one-third to W. C. Biddle, Lansdowne, and one-third to W. A. Brown, Philadelphia, Pa. Resilient transmission for vehicle wheels. 1,687,237; Oct. 9.
Corbin, Francis D., assignor of three-eighths to The Llanelly Foundry & Engineering Company Limited and one-third to Richard Nevill & Company Limited, Llanelly, Carmarthen, South Wales, Great Britain. Roll for rolling metals and making same. 1,694,251; Dec. 4.
Corbin, Henry P. (See Bechtelheimer, H. A., and Corbin.)
Corbin, Henry P., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Quick-detachable disk bearing. 1,690,530; Nov. 6.
Corblin, Henri, Paris, France. Refrigerator car. 1,678,421; July 24.
Corby, Robert L., New York, F. M. Scales, and W. H. F. Bührig, Mount Vernon, assignors to The Fleischmann Company, New York, N. Y. Treating molasses. 1,667,928; May 1.
Corby, Robert L., New York, and W. H. F. Bührig, Mount Vernon, assignors to The Fleischmann Company, New York, N. Y. Manufacture of yeast. 1,673,735; June 12.
Corcoran, Cornelius B., Phoenix, Ariz., assignor to Underwood Typewriter Company, New York, N. Y. Time stamp. 1,654,532; Jan. 3.
Corcoran, Edwin, Portland, Oreg. Stovepipe lock. 1,695,634; Dec. 18.
Corcoran, John C., Worcester, Mass., assignor, by mesne assignments, to Argy Pre-Heating Corporation, Niagara Falls, N. Y. Process and apparatus for making paper. 1,690,402; Nov. 6.
Corcoran, John J. (See Hull, S. P., Corcoran, and Elverett.)
Corcoran, Lewis L., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Motor-vehicle bus-window-operating mechanism. 1,693,690; Dec. 4.
Corcoran, Thos. J., Lamp Co., The. (See Corcoran, Thomas J., assignor.)
Corcoran, Thos. J., Lamp Company, The. (See Erhart, Louis F., assignor.)
Corcoran, Thos. J., Lamp Company, The. (See Kuen, Eugene A., assignor.)
Corcoran, Thomas J., assignor to the Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Closure fastener and glass retainer. 1,677,074; July 10.
Cord Tire Machine Company, The. (See Morris, Howard I., assignor.)
Cordely, Christopher M., New York, N. Y. Beverage-dispensing apparatus. Des. 76,916; Nov. 20.
Cordes, Oscar C. (See Kintzing, R. T., and Cordes.)
Cordes, Oscar C., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,653,972; Feb. 14.
Cordes, Silas, Boise, Idaho. Headlight attachment. 1,671,671; May 29.
Cordes, Walter, Gotha, Germany. Dental engine. 1,680,206; Aug. 7.
Cordier, André. (See Brault, F., and Cordier.)
Cordley, Christopher M., New York, N. Y. Beverage container. Des. 75,151; May 15.
Cordley, Henry G., New York, N. Y. Water cooler. Des. 77,220; Dec. 18.
Cordley, Henry G., New York, N. Y., and G. R. Long, Waterbury, Conn. Safety attachment for faucets. 1,693,975; Dec. 4.
Corduwan Manufacturing Company. (See Schacht, Charles W., assignor.)
Corduroy Tire Company. (See Brown, Lz A., assignor.)
Corell, John J., and B. W. Bryant, New York, N. Y. Loose-leaf file and binder. 1,660,918; Feb. 28.
Corell, Martin. (See Kränzlein, G., Zahn, Ochwat, and Corell.)
Corey, Harry R., Brooklyn, assignor to American Can Company, New York, N. Y. Talcum-powder box. 1,688,688; Oct. 23.
Corey, James W., Cleveland Heights, assignor to The Reliance Electric & Engineering Co., Cleveland, Ohio. Range drive. 1,696,386; Dec. 25.
Corey, Walter, Minneapolis, Minn. Tool to facilitate mounting vehicle springs upon the vehicle chassis. 1,668,584; May 8.
Corey, William G., San Francisco, and C. A. Trow, Coalinga, Calif. Hydraulic pumping power. 1,666,255; Apr. 17.
Corey, William R., assignor to S. J. Bialosky, Cleveland, Ohio. Traffic signal. 1,662,298; Mar. 13.
Corke, Richard D., Yonkers, N. Y. Sharpening block for racing skates. 1,666,993; Apr. 24.
Corkran, Levin O., Rhodesdale, Md. Screen cleaner. 1,687,428; Oct. 9.
Corkum, Leaman A., Somerville, Mass. Extractor. 1,673,397; June 12.
Corl, Jacob, Mount Ida, Va. Railway-tie plate. 1,680,131; Aug. 7.
Corlett, Robert S. (See Kulp, L., and Corlett.)
Corlett, William A., Kenmore, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Pressure-tube construction. 1,657,820; Jan. 31.
Corlew, Clarence M., and G. A. Blohm, Sioux Falls, S. Dak. 1,657,151; Jan. 24.
Corley, Joseph P. (See Harding, Ray O., assignor.)
Corliss, Louis F., South Tamworth, N. H., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Liquid-controlled gyroscopic compass. 1,687,970; Oct. 16.
Corman, Edward L., Upland, Calif. Fuel-control mechanism for internal-combustion engines. 1,684,126; Sept. 11.
Cormican, Robert M., Casey, Ill. Combination trunk and luggage carrier. 1,687,427; Oct. 9.
Cormier, Emery, assignor of one-half to F. C. Sasse, Nashua, N. H. Brake-band let-off. 1,661,925; Mar. 6.
Cormier, Gustave J., Long Beach, Calif. Oil-well safety head. 1,659,244; Feb. 14.
Cormier, Gustave J., Long Beach, Calif. Safety tool check. 1,669,655; May 15.
Cormier, Gustave J., Seminole, Okla. Crown block. 1,669,656; May 15.
Cornelius, Cornelius E., Stockholm, Sweden. Electric furnace for melting or producing glass, water glass, cement, or other substances. 1,656,510; Jan. 17.
Cornelius, Hampus G. E. (See Flodin, H. G., and Gustafsson, assignors.)
Cornelius, Hampus G. E. (See Gustafsson, Emil G. T., assignor.)
Cornelius, John W., assignor to The Shellabarger Mills & Elevator Company, Salina, Kans. Apparatus for feeding finely-divided material. 1,673,313; June 12.
Cornelius, Wesley F., Whittier, Calif. Latching hook for oil-well elevators. 1,687,006; Oct. 9.
Cornelussen, Ivar, Galveston, Tex. Hydraulic motor. 1,677,431; July 17.
Cornell, Anton, New York, N. Y. Cutting tool. 1,663,935; Mar. 27.
Cornell, Carl M., assignor of one-half to W. M. Bennett, Buffalo, S. Dak. Bulkhead wall for culverts. 1,664,503; Apr. 3.
Cornell, Elwood N., Hempstead, N. Y., assignor to The Middletown Silver Company, Middletown, Conn. Spoon or similar article. Des. 74,863; Apr. 10.
Cornell, Elwood N., Hempstead, N. Y., assignor to The Middletown Silver Company, Middletown, Conn. Pot or similar article. Des. 75,614; June 26.
Cornell, Elwood N., Hempstead, N. Y., assignor to The Middletown Silver Company, Middletown, Conn. Pot or similar article. Des. 75,615; June 26.
Cornell, John A. (See McCune, George W., assignor.)
Cornell, John B., et al. (See de Tartas, Augustus R., assignor.)
Cornell, John E. (See Bates, A. M., and Cornell.)
Cornell, John E. (See Kronmiller, C. G., and Cornell.)
Cornell, Samuel V., et al. (See Cross, George H., assignor.)
Cornell Wood Products Company. (See Bees, Paul M., assignor.)
Cornil, Frank, Owosso, Mich. Convertible vehicle. 1,659,517; Feb. 14.
Corning Glass Works. (See Bailey, James, assignor.)
Corning Glass Works. (See Leiby, States L., assignor.)
Corning Glass Works. (See Littleton, Jesse T., jr., assignor.)
Corning Glass Works. (See Peltz, Gordon M., assignor.)
Corning Glass Works. (See Woods, William J., assignor.)
Cornish, Guy S., assignor to The Cincinnati Patent Engineering Company, Cincinnati, Ohio. Radiotrap. 1,659,084; Feb. 14.
Cornwall, Leon H., and G. P. Schmitt, New York, N. Y. Automatic distributing apparatus for liquid. 1,687,007; Oct. 9.
Cornewell, Virgil O., assignor to The Federal Glass Company, Columbus, Ohio. Apparatus for forming glassware. 1,675,971; July 3.
Corona, Arthur, Brooklyn, assignor of one-half to N. Hirsch, New York, N. Y. Engine. 1,654,792; Jan. 3.
Corona, Arthur, Brooklyn, assignor of one-half to N. Hirsch, New York, N. Y. Tractor attachment. 1,682,717; Aug. 28.

- Corradini, Fred J. (See O'Donnell, J. R. and Corradini.)
 Correcta Light Company Limited, The. (See Treglown, G. H. and Carter, assignors.)
 Correnti, Josephine L., Los Angeles, Calif. Nipple for nursing bottles. 1,666,157; Jan. 17.
 Corrie, David A., assignor of one-half to J. J. Risch, Vincennes, Ind. Washing machine. 1,693,548; Nov. 27.
 Corrigan, Frederick S., Toronto, Ontario, assignor, by mesne assignments to General Steel Wares Limited, Toronto, Canada. Sink drainage board. 1,676,771; July 10.
 Corrigan, McKinney Steel Company, The. (See Harrison, Henry T., assignor.)
 Corrigan, Thomas E., Pueblo, Colo. Marker hanger. 1,655,782; Jan. 10.
 Corser, Frank, and W. Peach, Junkins, Alberta, Canada. Foldable chair. 1,686,599; Oct. 9.
 Corson, Almon J., and S. C. Hoare, Lynn, Mass., assignors to General Electric Company. Electrical measuring instrument. 1,667,624; Apr. 24.
 Corson, Michael G., Jackson Heights, N. Y., assignor to Electro Metallurgical Company. Corrosion-resistant alloy. 1,657,957; Jan. 31.
 Corson, Michael G., Jackson Heights, N. Y., assignor to Electro Metallurgical Company. Copper alloy and producing and treating the same. 1,658,186; Feb. 7.
 Corson, Michael G., Jackson Heights, N. Y., assignor to Electro Metallurgical Company. Alloy. 1,667,966; May 1.
 Corson, Michael G., Jackson Heights, N. Y., assignor to Electro Metallurgical Company. Alloy. 1,671,408; May 29.
 Cort, Stewart J., assignor to Bethlehem Steel Company, Bethlehem, Pa. Regenerative open-hearth furnace. 1,683,656; Sept. 11.
 Cort, Stewart J., Bethlehem, Pa., T. Burns, Buffalo, N. Y., and R. S. A. Dougherty and C. E. Lehr, assignors to Bethlehem Steel Company, Bethlehem, Pa. Regenerative open-hearth furnace. 1,671,100; May 29.
 Cort, Stewart J., Bethlehem, Pa., T. Burns, Buffalo, N. Y., R. S. A. Dougherty and C. E. Lehr, Bethlehem, Pa. Regenerative open-hearth furnace. 1,680,865; Aug. 14.
 Corwin, Howard R., Newark, N. J. Fuel-consumption system. 1,660,954; Feb. 28.
 Cory, Charles & Son, Incorporated. (See Grierson, Paul S., assignor.)
 Cory, Chas., & Son, Incorporated. (See Jones, J. S., and Mead, assignors.)
 Cory, Chas., & Son, Incorporated. (See Laler, Jerome M., assignor.)
 Cory, Chas., & Son, Incorporated. (See Oneal, Lloyd E., assignor.)
 Cory, Chas., & Son, Incorporated. (See O'Neal, L. E., and Mead, assignors.)
 Cory, Chas., & Sons, Incorporated. (See Wood, Frank W., assignor.)
 Cory, James M., and F. H. Bunke, assignors to The Solar Refining Company, Lima, Ohio. Disposing of spent clay in refining plants. 1,660,434; Feb. 28.
 Cory, James M. and F. H. Bunke, Lima, Ohio, assignors to The Solar Refining Company, Lima, Ohio. Disposing of acid sludge and spent clay in oil-refining plants. 1,682,369; Aug. 28.
 Cory, M. M. (See Perl, John, assignor.)
 Cory, Samuel L., Towaco, N. J., assignor to American Telephone and Telegraph Company. Grounded duplex telegraph system. 1,665,296; Apr. 10.
 Cory, Samuel L., Towaco, N. J., assignor to American Telephone and Telegraph Company. Grounded duplex telegraph system. 1,665,297; Apr. 10.
 Coryell, Charles N., Mamaroneck, N. Y. Vanity case. Des. 75,476; June 12.
 Coryell, Charles N., New York, N. Y. Article holder. 1,678,282; July 24.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,685,908; Oct. 2.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,690,274; Nov. 6.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,690,275; Nov. 6.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,690,276; Nov. 6.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sectional-wall vanity case. 1,690,277; Nov. 6.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,690,278; Nov. 6.
 Coryell, Charles N., Mamaroneck, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Sectional-wall vanity case. 1,690,403; Nov. 6.
 Coryell, William C., Youngstown, Ohio. Screw-down mechanism for rolling mills. 1,695,274; Dec. 18.
 Cosby, Eric L. H., Teddington, England. Brush. 1,661,926; Mar. 6.
 Cosby, Eric L. H., Teddington, England. Brush. 1,683,530; Sept. 4.
 Cosby, Ralph L., Richmond, Va. Safety belt. 1,690,720; Nov. 6.
 Cosgray, Mark C., Sandusky, Ohio, assignor, by mesne assignments, to M. Prussian, Detroit, Mich. Automatic electric service system. 1,662,366; Mar. 13.
 Cosgrove, Allen R. (See Jacques, J. and Cosgrove.)
 Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,656,346; Jan. 17.
 Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping lipped soles. 1,667,929; May 1.
 Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 1,682,036; Aug. 28.
 Cosler, Arthur S., Chicago, Ill., assignor of one-half to Turney Processes, Inc., Washington, D. C. Preparing a powdered milk for ice-cream mix. 1,659,723; Feb. 21.
 Cosmetic Laboratories of America. (See Eaton, Clyde L., assignor.)
 Cosmic Arts, Inc. (See Lambert, Arthur, assignor.)
 Cosner, Calvin C., assignor to The Stenpho Company, Dayton, Ohio. Sign. 1,656,265; Jan. 17.
 Cosper, Cecil, Walla Walla, Wash. Pad holder. 1,663,120; Mar. 20.
 Cossenas, Nicholas A., assignor to The W. F. Powers Company, New York, N. Y. Display device. 1,656,620; Jan. 17.
 Costa, Anthony, Donora, Pa. Signaling device for motion-picture machines. 1,653,707; Feb. 7.
 Costa, Louis J., Philadelphia, Pa. Grinding machine. 1,673,229; June 12.
 Costaguta, David, Buenos Aires, Argentina. Motor fuel. 1,677,273; July 17.
 Costantino, Alox, Providence, R. I., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rubber heel. 1,681,176; Feb. 14.
 Coste, Jean F. P., Billacourt, France. Elastic element for resilient wheels. 1,667,373; Apr. 24.
 Costello, Frank J., assignor to Federal Tin Company, Incorporated, Baltimore, Md. Can and closure. 1,665,908; Apr. 10.
 Costello, James F., San Francisco, Calif. Form clamp. 1,677,384; July 17.
 Costello, Jerome P., Pueblo, Colo. Breakable rail anchor. 1,674,354; June 19.
 Costello, John, Providence, R. I. Prayer-bead device. 1,661,877; Mar. 6.
 Costello, Joseph A., assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Closure for fluid-conducting members. 1,656,318; Jan. 17.
 Costello, Michael, Jersey City, N. J. Pneumatic shock absorber. 1,656,266; Jan. 17.
 Costello, Michael, Jersey City, N. J. Compound condiment holder. 1,676,635; July 10.
 Costello, Thomas F. (See Lostetter, Edward H., assignor.)
 Costello, William F., assignor to The Dura Company, Toledo, Ohio. Window-regulator mechanism. 1,687,238; Oct. 9.
 Costenbader, Frank L., Richmond, Va. Automobile signal. 1,673,865; June 19.
 Coster, Dirk, Haarlem, Netherlands, and G. von Hevesy, Copenhagen, Denmark, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven. Separation of hafnium and zirconium. 1,666,440; Apr. 17.
 Costini, Antonio. (See Romero, I., and Costini.)
 Coston, Herbert E. (See Hamburger, A., and Coston.)
 Cote, Albert B., Philadelphia, Pa. Battery-element extractor. 1,668,847; Apr. 17.
 Cotes, William A., assignor to Reo Motor Car Company, Lansing, Mich. Template. 1,680,500; Aug. 14.
 Cotbran, Edward E., Wright, Calif. Airplane propeller. 1,658,284; Feb. 7.
 Cotner, Lawrence C., Los Angeles, Calif. Shingle. Des. 75,612; June 26.
 Cotswold Comfortable Company. (See Trout, Harry W., assignor.)
 Cotta Transmission Corporation. (See Tritz, John H., assignor.)
 Cotter, Luke. (See Murphy, D. F., and Cotter.)
 Cotter, Ralph E., Oakland, Calif. Railroad crossing. 1,664,061; Mar. 27.
 Cotterill, Robert L., Philadelphia, Pa. Dishwasher. 1,695,412; Dec. 18.
 Cottier, Robert G., Bradford, Ontario, Canada. Machine for laying bricks. 1,666,555; Apr. 17.
 Cottin, Cyrille E., assignor to Automobiles Cottin & Desgouttes, Societe Anonyme, Lyon, France. Springing of motor vehicles. 1,679,553; Aug. 7.
 Cottingham, John W., Columbus, Ohio. Carburetor. 1,680,766; Aug. 14.
 Cottingham, John W., assignor of one-third to G. F. McDonald and one-third to J. J. McDowell, Columbus, Ohio. Adjustable flushing nozzle. 1,688,614; Oct. 23.
 Cottle, John H., New York, N. Y. Hairdressing comb. 1,673,314; June 12.
 Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Superheater boiler. 1,654,533; Jan. 3.
 Cotton, Alfred, deceased; L. P. Cotton, executrix, assignor to Heine Boiler Company, St. Louis, Mo. Sectional header. 1,654,535; Jan. 3.
 Cotton, Alfred, deceased; L. P. Cotton, executrix, assignor to Heine Boiler Company, St. Louis, Mo. Internal mandrel for sectional boiler headers. 1,654,536; Jan. 3.
 Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Water-tube boiler. 1,671,144; May 29.

- Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Sectional header for water-tube boilers. 1,688,574; Oct. 23.
- Cotton, Arthur F. R. (See Russell, E. W., and Cotton.)
- Cotton, Laura P., executrix. (See Cotton, Alfred.)
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,666,888; Apr. 24.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,674,639; June 26.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,681,222; Aug. 21.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,683,164; Sept. 4.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,684,388; Sept. 18.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,689,549; Oct. 30.
- Cotton, Walter H., assignor to Union Draft Gear Company, Chicago, Ill. Draft gear. 1,696,345; Dec. 25.
- Cotton, William B., San Francisco, Calif. Milk-top extractor. 1,664,244; Mar. 27.
- Cottonwood Fiber Company. (See Loepfe, Charles M., assignor.)
- Cottonwood Fiber Company. (See Loepfe, L. H. and C. M., assignors.)
- Cottrell, C. B., & Sons Company. (See Albert, Frank J., assignor.)
- Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
- Cottrell, C. B., & Sons Company. (See Cottrell, Calvert B., assignor.)
- Cottrell, Calvert B., 3d, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Reciprocating-bed printing press. 1,669,972; May 15.
- Cottrell, Holland D., Detroit, Mich. Loose-leaf binder. 1,667,511; Apr. 24.
- Cottrell, Kenyon, assignor to J. R. Flannery, Pittsburgh, Pa. Gear-shifting mechanism. 1,657,345; Jan. 24.
- Coty, Alfred C. and T. E. Watertown, N. Y. Bag-feeding machine. 1,668,761; May 8.
- Coty, Francois J. de S., Paris, France, assignor to Coty, Inc., New York, N. Y. Bottle. Des. 76,180; Aug. 28.
- Coty, Inc. (See Coty, Francois J. de S., assignor.)
- Coty Société Anonyme. (See Pollacchi, Charles, assignor.)
- Coty, Thomas E. (See Coty, Alfred C. and T. E.)
- Couch, Buel, Sioux City, Iowa. Animal trap. 1,674,276; June 19.
- Couch & Dean, Incorporated. (See Couch, Elbert L., assignor.)
- Couch, Elbert L., Hartford, Conn., assignor, by mesne assignments, to Couch & Dean, Incorporated, Newark, N. J. Dishwashing machine. 1,670,611; May 22.
- Couch, Forrest J. (See Dreher, A. J., and Couch.)
- Couch, Forrest J. (See Otis, C. M., and Couch.)
- Couch, Forrest J. (See Trotter, C. E., and Couch.)
- Couch, Forrest J., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Door-clamping mechanism. 1,682,116; Aug. 28.
- Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Draft-key retainer. 1,686,733; Oct. 9.
- Coughlan, Robert E., Chicago, Ill. Apparatus for treating boilers and boiler feed. 1,676,134; July 3.
- Coughlin, Charles L., assignor to Briggs and Stratton Corporation, Milwaukee, Wis. Clutch mechanism. 1,686,682; Oct. 9.
- Coughlin, James M., Wilkes-Barre, Pa. Ventilator. 1,676,324; July 10.
- Coughlin, James P., Kansas City, Mo. Logging and indicating device for radio tuning instruments. 1,661,410; Mar. 6.
- Coughlin, Michael F., Stoughton, Mass. Road binder. 1,662,299; Mar. 13.
- Coughlin, William G., Philadelphia, Pa. Rail-securing device. 1,688,801; Oct. 23.
- Coulter, Sylvain, Brussels, Belgium. Manufacture of alkaline cyanides. 1,691,960; Nov. 20.
- Coulhe, Jean G., and J. L. Cadis, Bordeaux, France. Fishplate. 1,693,775; Dec. 4.
- Coulombe, Joseph C., Kokomo, Ind. Starter drive for internal-combustion engines. 1,683,165; Sept. 4.
- Coulombe, Joseph C., Kokomo, Ind. Carburetor. 1,683,576; Sept. 4.
- Coulson, Edward, Los Angeles, Calif. Permanently waving hair. 1,664,023; Mar. 27.
- Coulson, Hugh G., Newcastle, Ontario, Canada. Pack. 1,696,191; Dec. 25.
- Coulston, Earl V., Cleveland, Ohio. Combined electrical stove and toaster. 1,675,924; July 3.
- Coulston, Earl V., Shaker Heights, Ohio. Cooking vessel. 1,695,995; Dec. 18.
- Coults, Wilbur J. (See Paradise, L. A., and Coults.)
- Coulter, Allen F., Girdard, Ala. Bunch builder for spinning machines. 1,671,855; May 29.
- Coulter, James, assignor to The Automatic Machine Company, Bridgeport, Conn. Boring machine. 1,673,398; June 12.
- Councill, Wilford A., Baltimore, Md. Ureteral stone extractor and dilator. 1,677,671; July 17.
- Conne, Felix, Chicago, Ill. Hair-waving apparatus. 1,679,563; Aug. 7.
- Conne, Félix, Chicago, Ill. Hair-waving apparatus. 1,687,659; Oct. 16.
- Coupal, Sixte A., Grants Pass, Oreg. Tent. 1,672,306; June 5.
- Coupland, Ernst, assignor of one-fourth to E. McGillivray, one-fourth to H. E. Silverthorne, and one-fourth to F. Osborne, Toronto, Ontario, Canada. Steam and hot-water radiator. 1,662,236; Mar. 13.
- Coupland, Richard C., U. S. Army, Dayton, Ohio. Transmitter for electrical control systems of the selective type. 1,661,109; Feb. 28.
- Cournand, Jules and R., Paris, France. Syringe. 1,685,984; Oct. 2.
- Cournand, René. (See Cournand, Jules and R.)
- Courtauld's Limited. (See Diamond, Claude, assignor.)
- Courtauld's Limited. (See Glover, W. H., and Topham, assignors.)
- Courtauld's Limited. (See Lunge, Ernest, assignor.)
- Courtauld's Limited. (See Topham, Charles E., assignor.)
- Courtauld's Limited. (See Whittaker, Croyden M., assignor.)
- Courtin, Eberhard, Berlin, Germany, assignor to General Electric Company. Regulating system. 1,680,728; Aug. 14.
- Courtiot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Radiator. 1,671,347; May 29.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Panel boiler for low-pressure steam heating. 1,673,901; June 19.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, New York, N. Y. Combined boiler and heating device. 1,679,406; Aug. 7.
- Cousin, Arthur J. F. J., assignor to Société Anonyme John Cockerill, Seraing, Belgium. Hooping of the stacks of blast furnaces. 1,668,550; May 8.
- Cousins, Wallace J., Chicago, Ill. Soap dispenser. 1,677,709; July 17.
- Couture, Allan B., assignor to Chrysler Corporation, Detroit, Mich. Automobile wheel. 1,667,344; Apr. 24.
- Couwenhoven, Abraham, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Safety device for traction operation. 1,687,084; Oct. 9.
- Couzens Ice Machine Company. (See Andrews, F. W., and Mitchell, assignors.)
- Covel Manufacturing Co. (See Filstrup, Eddie C., assignor.)
- Covel, Nathan E., Newtonville, Mass. Sounding toy. 1,672,248; June 5.
- Covel, Nathan E., Newtonville, Mass. Advertising wrapping for packages. 1,694,701; Dec. 11.
- Covell, Arleigh G., Corunna, Mich. Degree compass. 1,679,931; Aug. 7.
- Covell, Earl D., Philadelphia, Pa. Wall construction. 1,662,300; Mar. 13.
- Covell, Ernest G., assignor to Cameo Refrigerator Corporation, Los Angeles, Calif. Hinge. 1,689,664; Oct. 30.
- Covell-Hanchett Co. (See Williams, Arthur, assignor.)
- Covertry Chain Company Limited, The. (See Catantach, Rankin S., assignor.)
- Coveny, Carleton E., and V. Le M. Pearson, Los Angeles, Calif. Combination coin tray, toothpick receptacle, and match-box holder. Des. 75,356; May 29.
- Cover, Berkey E., Chicago, Ill. Phonograph. 1,656,424; Jan. 17.
- Cover, Berkey E., Chicago, Ill. Microphone. 1,656,425; Jan. 17.
- Cover, Harry C., assignor of one-half to himself and one-half to M. Hendler, Baltimore, Md. Ice-cream freezer. 1,685,189; Sept. 25.
- Coverstone, Jesse F., assignor, by mesne assignments, to Waukesha Motor Company, Waukesha, Wis. Internal-combustion engine. 1,671,926; May 29.
- Covert, Byron V., Lockport, N. Y. Film magazine. 1,686,204; Oct. 2.
- Covert, James D., Montclair, N. J. Smoke-chamber lining. 1,677,914; July 24.
- Covert Manufacturing Company. (See Baxter, John B., assignor.)
- Covey, John E., assignor to Swift & Company, Chicago, Ill. Smoke box. 1,694,163; Dec. 4.
- Coville, John E., assignor of one-third to T. W. McNichol and one-third to T. T. McNichol, Swampscott, Mass. Cutter head for last-turning lathes and supports therefor. 1,662,375; Mar. 13.
- Covington Machine Company. (See Altfather, Frederick M., assignor.)
- Covington Machine Company. (See Altfather, F. M., Archur, and Rumsey, assignors.)
- Covington Machine Company. (See Rumsey, Amos B., assignor.)
- Cowan, Albert A., Victor, Mont. Rifle and bullet. 1,659,625; Feb. 21.
- Cowan, Arthur S., Boston, Mass. Textile fabric or similar article of manufacture. Des. 74,356; Feb. 7.
- Cowan, Charles H., Jr., Stonington, Conn. Swift. 1,668,492; May 1.
- Cowan, Clarence P., assignor to Messrs. Bird and Son Limited, Hamilton, Ontario, Canada. Roofing and sliding construction. 1,655,494; Jan. 10.
- Cowan, Frank, Rochester, Minn. Doorcheck. 1,685,023; Sept. 18.
- Cowan Lath Board Company. (See Cowan, Samuel K., assignor.)
- Cowan, R. Guy, Lakewood, Ohio. Flower holder. Des. 75,477; June 12.

- Cowan, Robert G., Lakewood, Ohio. Flower holder. Des. 75,215; May 22.
- Cowan, Robert G., Lakewood, Ohio. Flower holder. Des. 75,216; May 22.
- Cowan, Robert G., Lakewood, Ohio. Flower holder. Des. 75,217; May 22.
- Cowan, Robert G., Lakewood, Ohio. Flower holder. Des. 75,218; May 22.
- Cowan, Robert G., Lakewood, Ohio. Flower holder. Des. 75,219; May 22.
- Cowan, Samuel K., New York, N. Y., assignor to Cowan Lath Board Company, Nashville, Tenn. Lath. 1,664,875; Apr. 3.
- Coward, John R. (See Black, J. C., and Coward.)
- Cowart, John R., Savannah, Ga. Radiator wrench. 1,688,525; Oct. 23.
- Cowdery, Robert H., Geneva, Ohio. Bow for archery. Des. 76,608; Oct. 16.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Shaft for golf clubs and the like. 1,670,530; May 22.
- Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf shaft. 1,670,531; May 22.
- Cowen, Arthur, assignor to John H. Wilson Co., Inc., New York, N. Y. Cigarette case. Des. 74,480; Feb. 21.
- Cowen, Arthur, assignor to John H. Wilson Co., Inc., New York, N. Y. Cigarette case. Des. 74,481; Feb. 21.
- Cowen, Esbon B., Tulsa, Okla. Expansion joint. 1,654,793; Jan. 3.
- Cowen, Joshua L., assignor to The Lionel Corporation, New York, N. Y. Toy railroad. 1,671,276; May 29.
- Cowey, Leonard E. (See Aspinall, A. C., and Cowey.)
- Cowgill, Orph W., assignor to St. Louis Label Works, St. Louis, Mo. Feeding mechanism for box-making machines. 1,673,902; June 19.
- Cowgill, Orph W., assignor to St. Louis Label Works, St. Louis, Mo. Blanking and transferring mechanism for box making machines. 1,681,928; Aug. 28.
- Cowles, Harry L., New York, N. Y. Incinerating refuse. Re16,885; Feb. 21.
- Cowles, Henry, and J. K. Norris, Utica, assignors to Utica Heater Company, Whitestown, N. Y. Sectional furnace. 1,660,736; Feb. 28.
- Cowles, Irving, assignor to Union Bank of Chicago, trustee, Chicago, Ill. Pump for lubricating systems. 1,693,068; Nov. 27.
- Cowley, George, Rio, Wis. Fence-wire tightener and stretcher. 1,656,319; Jan. 17.
- Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Automatic switch. 1,660,256; Feb. 21.
- Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Station for pneumatic-dispatch systems. 1,660,293; Feb. 21.
- Cowper, Jack S., London, England. Block, slab, or the like for paving and other purposes. 1,670,678; May 22.
- Cox, Allen E. (See Loveridge, C., and Cox.)
- Cox, Cary S., assignor of one-half to J. M. Cox and one-half to F. C. Whitt, Fresno, Calif. Cotton gin. 1,680,132; Aug. 7.
- Cox, Charles F., Bridgeton, N. J., assignor, by mesne assignments, to Landis Machine Company, Waynesboro, Pa. Threading die. 1,672,676; June 5.
- Cox, David C., Soldier Summit, Utah, assignor to General Electric Company. Antisludging means for oil. 1,665,846; Apr. 10.
- Cox, Edgar C. (See Westerfield, Brasher O., assignor.)
- Cox, Edwin, Richmond, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Testing nicotine solutions. 1,678,636; July 31.
- Cox, Edwin R., and D. A. Cushman, Los Angeles, Calif. Combined absorption and fractionation for recovering gasoline from gas. 1,695,139; Dec. 11.
- Cox, Ernest A. (See Ruse, T. W., and Cox.)
- Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Making calcium cyanamide. 1,674,466; June 19.
- Cox, George E., Niagara Falls, assignor to American Cyanamid Company, New York, N. Y. Cyanamide oven. 1,684,758; Sept. 18.
- Cox, George T., Waco, Tex. Plant-spraying apparatus. 1,656,171; Jan. 17.
- Cox, Jesse M., et al. (See Cox, Cary S., assignor.)
- Cox, John D., Brooklyn, N. Y. Calender. 1,661,110; Feb. 28.
- Cox, John L., Philadelphia, and R. Furness, Jenkintown, Pa. Nozzle for ladies. 1,662,600; Mar. 13.
- Cox, Joseph B., Tulare, Calif. Low-tire-pressure signal. 1,676,526; July 10.
- Cox, Joseph L. and P. F. Battle Creek, Mich. Printing press and folder. 1,679,650; Aug. 7.
- Cox, Kenneth, and P. J. McDermott, assignors to Refiners Limited, Manchester, England. Purification of benzol, petrol, and the like. 1,658,285; Feb. 7.
- Cox, Mackneele, Stollings, assignor of one-half to H. M. McKee, Peach Creek, W. Va. Cable hook. 1,686,734; Oct. 9.
- Cox, Oscar, and O. C. Willis, Cotton Valley, La. Wrist pin. 1,667,588; Apr. 24.
- Cox, Owen E., Lowell, Mass. Automatic float valve. 1,659,859; Feb. 21.
- Cox, Paul F. (See Cox, Joseph L. and P. F.)
- Cox, Percy, and F. McPartland, Johnson City, N. Y., assignors to Endicott Johnson Corporation, Endicott, N. Y. Shoe. 1,687,267; Oct. 9.
- Cox, W. E., et al. (See Brown, William R., assignor.)
- Cox, Walter, and A. Shuman, assignors to Pennsylvania Wire Glass Company, Philadelphia, Pa. Process and apparatus for making sheet glass. 1,676,772; July 10.
- Cox, Walter, and A. Shuman, assignors to Pennsylvania Wire Glass Company, Philadelphia, Pa. Making corrugated wire glass. 1,676,773; July 10.
- Cox, Walter C., Denver, Colo. Coursing track. 1,675,972; July 3.
- Cox, Warren R., Lakewood, Ohio, assignor to H. A. Douglas, Bronson, Mich. Control means. 1,668,526; May 1.
- Cox, William N. (See Catlin, Winfield, assignor.)
- Coxhead, Harry B., Hollis, N. Y., assignor to American Telephone and Telegraph Company. Multiple-channel radioreceiver. 1,676,252; July 10.
- Coxon, John B., assignor to Kokomo Sanitary Pottery Company, Kokomo, Ind. Closet bowl. Des. 74,595; Mar. 6.
- Coxon, John B., assignor to Kokomo Sanitary Pottery Company, Kokomo, Ind. Closet bowl. Des. 74,596; Mar. 6.
- Coxon, John B., assignor to Kokomo Sanitary Pottery Company, Kokomo, Ind. Closet tank. Des. 75,721; July 10.
- Coy, Herbert C., Chicago, Ill. Combination lock. 1,694,968; Dec. 11.
- Coy, Homer G., New York, N. Y. Automatic eraser. 1,661,111; Feb. 28.
- Coykendall, Thomas C., Kingston, N. Y. System of marine propulsion. 1,662,301; Mar. 13.
- Coykendall, Thomas C., Kingston, N. Y. System of marine propulsion. 1,667,842; May 1.
- Coyle, Charles A., Port Jefferson, N. Y. Fluid transmission. 1,654,794; Jan. 3.
- Coyle, Charles A., Port Jefferson, N. Y. Tool box. 1,664,245; Mar. 27.
- Coyle, Claud L., Clarence, Mo. Vanity case. 1,663,002; Mar. 20.
- Coyle, John. (See Taliaferro, J. C., and Coyle.)
- Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for treating food products in closed containers. 1,681,101; Aug. 14.
- Coyle, Joseph A., and W. B. Cooper, assignors to Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Loom tube frame and spool. 1,665,447; Apr. 10.
- Coyne, Edward J., Brooklyn, N. Y. Door spring. 1,695,454; Dec. 18.
- Coyne, Harry J., Watertown, Mass. Making motor-vehicle bodies. 1,686,555; Oct. 9.
- Coyne, James, Pittsburgh, Pa. Combination rail-joint splicing and supporting plate. 1,660,219; Feb. 21.
- Coyne, John T., Tacoma, Wash. Pipe. 1,683,959; Sept. 11.
- Coyte, William A., assignor to J. Lyons and Company, Limited, London England. Lining carboard boxes. 1,679,407; Aug. 7.
- Cozart, Robert B., Lufkin, Tex. Cotton-cleaning machine. 1,669,286; May 8.
- Cozette, René J. P. E., Neuilly-sur-Seine, France. Rotary pump. 1,654,864; Jan. 3.
- Cozette, René J. P. E., Neuilly-sur-Seine, France. Rotary pump. 1,654,865; Jan. 3.
- Cozette, René J. P. E., Neuilly-sur-Seine, France. Explosion-engine supercharger. 1,663,936; Mar. 27.
- Cozette, René J. P. E., Neuilly-sur-Seine, France. Rotary pump and compressor. 1,667,456; Apr. 24.
- Cozzens Trading Company. (See Goss, Harry T., assignor.)
- Crabb, Silas F., assignor to J. M. Selden, Pittsburgh, Pa. Circulating system for steam generators. 1,682,776; Sept. 4.
- Crabbs, George D., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Railroad crossing. 1,689,278; Oct. 30.
- Crabill, John F., La Harpe, Ill. Corn-shucking machine. 1,665,404; Apr. 10.
- Cracker Jack Co., The. (See Eckstein, Harry G., assignor.)
- Cracraft, James R., Emporia, Kans. Harness attachment. 1,691,432; Nov. 13.
- Craddock, John E., Perry Point, Md. Amusement device. 1,665,129; Apr. 3.
- Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for the visual interpretation of speech and music. 1,690,279; Nov. 6.
- Craft, Howard E., Springfield, Mass. Display sign. 1,674,716; June 26.
- Craft, William J., Los Angeles, and O. M. Clinton, Glendale, Calif. Automobile speed-warning signaling device. 1,666,441; Apr. 17.
- Craften, C. M., et al. (See Browning, Robert D., assignor.)
- Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Quick lock-up for plate cylinders. 1,658,034; Feb. 7.
- Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Quick lock-up for plate cylinders. 1,677,955; July 24.
- Crafts, Irving M., assignor to The Pickering Governor Co., Portland, Conn. Governor. 1,674,950; June 26.

- Crafts, Otis T., assignor to Crafts Process, Inc., Manchester, N. H. Making horseshoe rands. 1,665,579; Apr. 10.
- Crafts Process, Inc. (See Crafts, Otis T., assignor.)
- Cragg, George L., Chicago, Ill., assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,657,001; Jan. 24.
- Cragg, George L., Chicago, Ill., assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,657,002; Jan. 24.
- Cragg, George L., Chicago, Ill., assignor to H. A. Douglas, Bronson, Mich. Automotive vehicle ignition circuit system. 1,657,003; Jan. 24.
- Cragg, George L., Chicago, Ill., assignor to H. A. Douglas, Bronson, Mich. Combined lighting and signaling mechanism for automotive vehicles. 1,686,600; Oct. 9.
- Cragg, Harry H., Calgary, Alberta, Canada. Insect screen. 1,691,226; Nov. 13.
- Cragin, Samuel N., Akron, Ohio. Floor mop. 1,677,748; July 17.
- Crago, Edward C., Kansas City, Mo., assignor to The Ellis Manufacturing Company, Kansas City, Kans. Tubing catcher. 1,673,802; June 19.
- Crago, Paul H., Forest Hills Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Car-operated switching mechanism. 1,694,409; Dec. 11.
- Craig, Albert M., Chicago, Ill. Spray gun. 1,682,037; Aug. 28.
- Craig, Alexander, London, England. Device for waving and curling hair. 1,692,111; Nov. 20.
- Craig, Alfred, Mitcham, assignor to James Pain & Sons Limited, London, England. Toy bomb or projector. 1,664,401; Apr. 3.
- Craig, Alvin M., New Haven, Conn., assignor to Universal Gear Shift Corporation, New York, N. Y. Gear shift. 1,665,909; Apr. 10.
- Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Machine for making baskets. 1,674,034; June 19.
- Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Wire twister. 1,674,035; June 19.
- Craig, Edward, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Machine for making baskets. 1,675,094; June 26.
- Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Machine for making baskets. 1,678,848; July 31.
- Craig, Edward, St. Joseph, Mich., assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Machinery for converting sheet material into receptacles. 1,678,901; July 31.
- Craig, Edward, St. Joseph, assignor to Saranac Automatic Machine Corporation, Benton Harbor, Mich. Berry basket or box. 1,683,761; Sept. 11.
- Craig, Ellsworth. (See Pfeiffer, Ferdinand A., assignor.)
- Craig, Ernest A. (See Nicholson, Henry A., assignor.)
- Craig, Finis R., and J. J. Oling, assignors to Production Pattern Company, Harvey, Ill. Magnetic pattern. 1,680,502; Aug. 14.
- Craig, Harvey G. (See Powell, Edward R., assignor.)
- Craig, J. F. N., Hertfordshire, England. Change-speed gear. 1,657,370; Jan. 24.
- Craig, James A., Peekskill, N. Y. Attrition grinder. 1,670,714; May 22.
- Craig, James A., East Cleveland, assignor to The Warner & Swasey Company, Cleveland, Ohio. Auxiliary slide support for machine tools. 1,680,088; Aug. 7.
- Craig, John B., Castle Rock, Colo. Tone harmonizer. 1,668,051; May 1.
- Craig, Milton A., R. P. Steen, and S. A. Logsdon, Lima, Ohio. Fluid-pressure locking means for car doors. 1,666,775; Apr. 17.
- Craig, Olisson, assignor to Riley Stoker Corporation, Worcester, Mass. Fuel-pusher mechanism for stokers. 1,695,229; Dec. 11.
- Craig, Robert, Dayton, Ohio. Apparatus for measuring space dimensions of objects. 1,655,386; Jan. 3.
- Craig, Robert, Dayton, Ohio. Screw press. 1,665,202; Apr. 10.
- Craig, Robert, assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,656,267; Jan. 17.
- Craig, Thomas J., and A. L. Scofield, Merced, Calif. Screen for separating almonds and hulls. 1,667,194; Apr. 24.
- Craig, William A., Philadelphia, Pa. Power reverse gear for locomotives. 1,682,888; Sept. 4.
- Craig, William T., Gowanda, Ontario, Canada. Collar. 1,674,889; June 26.
- Craighead, James R., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,681,519; Aug. 21.
- Craigie, James, Chicago, Ill. Game. 1,689,326; Oct. 30.
- Craigo, John M., Hartford, Conn. Press. 1,670,761; May 22.
- Crain, John J., Waterbury, Conn. Carburetor. 1,684,085; Sept. 11.
- Crain, Lewis F. (See Allerheiligen, A. H., Crain, and Erichsen.)
- Crain, William E., assignor to W. H. Bahan, Greenville, S. C. Screw for center bearings for looms. 1,677,549; July 17.
- Craley, Clarence C., Shillington, Pa. Metal-working machinery. 1,660,435; Feb. 28.
- Cram, Hervey G., assignor to Great Northern Paper Company, Millinocket, Me. Paper making. 1,688,267; Oct. 16.
- Cram, Hervey G., assignor to Great Northern Paper Company, Millinocket, Me. Method and apparatus for handling broke. 1,692,142;
- Cram, Leroy V., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil-pump screen. 1,694,770; Dec. 11.
- Cram, Wilbur D. (See Parker, Robert C., assignor.)
- Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-feeding apparatus. 1,660,415; Feb. 28.
- Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,662,843; Mar. 20.
- Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for setting up and transferring bottles and other articles. 1,680,283; Aug. 14.
- Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,693,069; Nov. 27.
- Cramer, Arthur C., Cincinnati, Ohio. Carton. 1,662,698; Mar. 13.
- Cramer, Harry I., assignor to The Sterling Jewelry Company, Dayton, Ohio. Wrist watch. Des. 74,825; Apr. 3.
- Cramer, Harry I., assignor to The Sterling Jewelry Company, Dayton, Ohio. Wrist watch. Des. 75,955; Aug. 7.
- Cramer, Harry I., assignor to The Sterling Jewelry Company, Dayton, Ohio. Watch dial. Des. 76,854; Nov. 13.
- Cramer, Otto P., San Francisco, Calif. Latch. 1,685,274; Sept. 25.
- Cramer, Raymond H. (See Henny, J. C., and Cramer.)
- Cramer, Thomas M., Long Beach, Calif., assignor to Pacific Coast Borax Company. Production of commercial borax from $\text{Na}_2\text{O} \cdot 2\text{B}_2\text{O}_3 \cdot 4\text{H}_2\text{O}$. 1,678,381; July 24.
- Cramer, Thomas M., Long Beach, Calif., assignor to Pacific Coast Borax Company. Production of commercial borax from rasorite by a wet method. 1,685,214; Sept. 25.
- Cramp, William P., Philadelphia, Pa. Sliding-door hanger. 1,689,665; Oct. 30.
- Crampton, Basil R. (See Winters, A. F., and Crampton.)
- Crampton, Basil R., assignor to Winters, Stryker & Crampton, Grand Rapids, Mich. Hinge. 1,667,102; Apr. 24.
- Crampton, Basil R., assignor to Winters & Crampton Mfg. Co., Grand Rapids, Mich. Latch. 1,688,526; Oct. 23.
- Crampton, Basil R., Grand Rapids, Mich. Latch. 1,688,527; Oct. 23.
- Crance, Joseph F., Fort Wayne, Ind. Radioantenna. 1,658,761; Feb. 7.
- Crandall, Harry C., Kansas City, Kans. Tire-pumping mechanism. 1,655,986; Jan. 10.
- Crandall, Irving B., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for producing and transmitting high-frequency sound energy. 1,675,879; July 3.
- Crandall, Joel E. (See Damm, Walter, assignor.)
- Crane & Breed Manufacturing Company, The. (See Blesch, Charles, assignor.)
- Crane & Breed Manufacturing Company, The. (See Davoran, Michael F., assignor.)
- Crane, Charles R., 2d, assignor to Crane Co., Chicago, Ill. Lavatory. Des. 76,917; Nov. 20.
- Crane, Charles R., 2d, assignor to Crane Co., Chicago, Ill. Lavatory. Des. 76,918; Nov. 20.
- Crane, Clarence W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drop-box-lifting mechanism. 1,663,904; Mar. 27.
- Crane Co. (See Burke, Edmund, assignor.)
- Crane Co. (See Crane, Charles R., 2d, assignor.)
- Crane Co. (See Carlson, Ralph G., assignor.)
- Crane Co. (See Graham, Lucy J., assignor.)
- Crane Co. (See Wayman, C. A. G., and Gartz, assignors.)
- Crane, Ernest E., Minneapolis, Minn., assignor to American Manganese Steel Company, Chicago, Ill. Latch guide for dredge buckets. 1,660,598; Feb. 28.
- Crane, Frank G., Montague, assignor of one-half to Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Slitting machine. 1,677,915; July 24.
- Crane, Henry M., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Engine. 1,665,298; Apr. 10.
- Crane, Herbert W., Chicago, Ill. Floor switch. 1,660,070; Feb. 21.
- Crane, Joseph B., Pittsburgh, Pa., assignor to International Combustion Engineering Corporation. Control of gases through boilers. 1,677,749; July 17.
- Crane Packing Company. (See Wilkinson, Francis C. W., assignor.)
- Crane, Raymond E., Kittanning, Pa. Sanitary fixture. 1,677,550; July 17.
- Crane, Raymond E., Kittanning, Pa. Sanitary fixture. 1,690,478; Nov. 6.
- Crane, Raymond E., and D. E. Gulick, Kittanning, Pa. Water-closet. 1,682,166; Aug. 28.
- Crane, Samuel G., Los Angeles, assignor of three-eighths to W. W. Moore, Alhambra, Calif., and five-thirtieths to L. F. Broberg, Cedar Rapids, Iowa. Automatic water heater. 1,657,298; Jan. 24.
- Crane, Samuel G., assignor to F. H. Ohrmund, Pasadena, Calif. Electrical control for gas valves. 1,693,070; Nov. 27.

- Crane, Theodore G., Chicago, Ill. Heater. 1,661,322; Mar. 6.
- Crankless Engines Limited. (See Michell, Anthony G. M., assignor.)
- Crankshaw, Alfred H., Lyndhurst, assignor to Owens Manufacturing Co., Hoboken, N. J. Paper box. 1,663,491; Mar. 13.
- Crans, Lester M., Venice, Calif. Blow-out preventer. 1,679,962; Aug. 7.
- Cranston, Albert E., Spokane, Wash., assignor to A. J. Gerrard, Chicago, Ill. Binding machine. 1,659,313; Feb. 14.
- Cranston, Albert E., Spokane, Wash., assignor of one-half to A. J. Gerrard, San Francisco, Calif. Method and machine for delivering boards. 1,674,319; June 19.
- Cranz, James M., Buffalo, N. Y., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Composition for use in forming rubber and the like. 1,662,958; Mar. 20.
- Craven, Benjamin, Bradford, England. Wool-combing machine. 1,659,352; Feb. 14.
- Craven, Edward J., Springfield, Mass. Tennis racket. 1,663,039; Mar. 20.
- Craver, Augustus E., New York, N. Y., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Colloidal copper sulphide and preparing the same. 1,657,430; Jan. 24.
- Cravey, James B., and P. R. Pierson, Montgomery, Ala. Gasoline-dispensing device. 1,678,586; July 24.
- Cravin, Austin O., Chicago, Ill. Gauge. 1,666,556; Apr. 17.
- Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Trip mechanism for knitting-machine stop motions. 1,678,557; July 24.
- Crawford, Carl H. (See Thompson, Willis D., assignor.)
- Crawford, Carrol A., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Combined waterproof and adhesive composition. 1,691,543; Nov. 13.
- Crawford, David F., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Locomotive stoker. 1,683,960; Sept. 11.
- Crawford, Frank, sr., assignor to Crawford Manufacturing Company, New Brunswick, N. J. Trip arm for stop motions. 1,657,958; Jan. 31.
- Crawford, Frank, sr., assignor to Crawford Manufacturing Company, New Brunswick, N. J. Trip mechanism for knitting-machine stop motions. 1,664,353; Mar. 27.
- Crawford, Frank, sr., assignor to The Crawford Manufacturing Company, New Brunswick, N. J. Stop motion for knitting machines. 1,684,308; Sept. 11.
- Crawford, Franklin E., Winchester, assignor to Bankers Electric Protective Association, Boston, Mass. Time-clock indicator. 1,680,321; Aug. 14.
- Crawford, Fred, Prosser, Wash. Guard-finger fastening. 1,655,135; Jan. 3.
- Crawford, Frederick C., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making tubular end sockets. 1,670,532; May 22.
- Crawford, George C., and J. R. Bridges, Zanesville, Ohio, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Bottle-turning mechanism. 1,696,294; Dec. 25.
- Crawford, George S., assignor to S. L. Woods, Chicago, Ill. Side bearing. 1,655,047; Jan. 3.
- Crawford, Howard H., assignor to Detroit Motor Appliance Company, Detroit, Mich. Radiator attachment. 1,678,670; July 31.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole ring. Des. 74,357; Feb. 7.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole center. Des. 74,358; Feb. 7.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end. Des. 74,359; Feb. 7.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end or similar article. Des. 74,552; Feb. 28.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end. Des. 74,553; Feb. 28.
- Crawford, James O., Oakland, Calif., assignor to John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole ring. Des. 74,721; Mar. 20.
- Crawford, James O., Oakland, Calif., assignor to John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole bracket. Des. 74,722; Mar. 20.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end or similar article. Des. 74,781; Mar. 27.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole bracket or similar article. Des. 74,864; Apr. 10.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end or similar article. Des. 74,962; Apr. 24.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end or similar article. Des. 74,963; Apr. 24.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end or similar article. Des. 74,964; Apr. 24.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole bracket or similar article. Des. 74,965; Apr. 24.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain tassel or similar article. Des. 74,966; Apr. 24.
- Crawford, James O., Oakland, Calif., assignor to The John Kroder and Henry Reubel Company, New York, N. Y. Curtain-pole end or similar article. Des. 74,967; Apr. 24.
- Crawford, John F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Internal-combustion engine. 1,654,963; Jan. 3.
- Crawford Manufacturing Company. (See Crawford, Alfred, assignor.)
- Crawford Manufacturing Company, The. (See Crawford, Frank, sr., assignor.)
- Crawford, Max. (See Lockard, Obe, assignor.)
- Crawford, McGregor and Canby Company, The. (See Boynton, Stanley E., assignor.)
- Crawford, McGregor and Canby Company, The. (See Matern, George W., assignor.)
- Crawford, McGregor and Canby Company, The. (See Sime, William B., assignor.)
- Crawford, Preston M., Pittsburgh, Pa. Form for concrete. 1,675,749; July 3.
- Crawford, R. Brace, Chicago, Ill., assignor to Bayley Manufacturing Company, Milwaukee, Wis. Air-conditioning system. 1,673,552; June 12.
- Crawford, Ralph F., Salina, Kans. Clutch control for transmission mechanism. 1,696,838; Dec. 25.
- Crawford, Samuel W., University City, assignor, by mesne assignments, to National Bearing Metals Corporation, St. Louis, Mo. Bearing. 1,657,881; Jan. 31.
- Crawford, Samuel W., assignor, by mesne assignments, to National Bearing Metals Corporation, St. Louis, Mo. 1,664,194; Mar. 27.
- Crawford, Samuel W., assignor, by mesne assignments, to National Bearing Metals Corporation, St. Louis, Mo. Casting apparatus. 1,669,694; May 15.
- Crawford, Ward S., Ottawa, Kans. Door-mounting means. 1,680,133; Aug. 7.
- Crawford, William H. (See Biggs, Charles P., assignor.)
- Crawley, Mansfield C., Groton, N. Y. Automatic electric water heater. 1,659,134; Feb. 14.
- Crawshaw, Richard, Drumright, Okla. Apparatus for extracting oil from shale. 1,666,488; Apr. 17.
- Crayssac, Léon, Certe, France. Press for the quick drying and glazing of photographic prints. 1,677,916; July 24.
- Creamer, Edgar R., assignor to The George R. Carter Company, Connersville, Ind. Machine for making paper fillers. 1,659,314; Feb. 14.
- Creamer, Edgar R., assignor to The George R. Carter Company, Connersville, Ind. Window molding for automobiles. 1,695,682; Dec. 18.
- Creamer, Isaac P., and F. Joseph, New York, N. Y. Soap box. 1,664,736; Apr. 3.
- Creamer, Wilcox A. (See Cooke, James, assignor.)
- Creamery Package Mfg. Company, The. (See Heitz, Leonard F., assignor.)
- Creamery Package Mfg. Company, The. (See Hippenmeyer, Irving R., assignor.)
- Creamery Package Mfg. Company, The. (See Larsen, Olaf, assignor.)
- Creasey, Benjamin J., assignor to E. S. and A. Robinson, Limited, Bristol, England. Cardboard and like box or container. 1,679,710; Aug. 7.
- Credo, Julius, assignor to Louisville Drying Machinery Co. Inc., Louisville, Ky. Method and apparatus for screening wet material. 1,669,973; May 15.
- Creed & Company. (See Worthington, James R., assignor.)
- Creed & Company Limited. (See Creed, Frederick G., assignor.)
- Creed, Frederick G., Croydon, England. Clutch mechanism. 1,659,724; Feb. 21.
- Creed, Frederick G., assignor to himself and Creed & Company Limited, Croydon, England. Clutch mechanism, specially suitable for use in telegraphic apparatus. 1,682,880; Sept. 4.
- Creed, Frederick G., and E. A. Willson, Croydon, England. Apparatus for use in electric telegraph systems. 1,670,878; May 22.
- Creggan, Vinnie F., Los Angeles, Calif. Soap holder for brushes. 1,671,348; May 29.
- Creggan, Vinnie F., Los Angeles, Calif. Portable soap holder. 1,675,022; June 26.
- Cregier, Charles K., Glen Ellyn, Ill. Electromechanical sound reproducer and amplifier. 1,658,798; Feb. 14.
- Cregier, Nathaniel B., Chicago, Ill. Rectifying device. 1,685,909; Oct. 2.
- Crehan, Hubert, Pittsburgh, and W. A. Crehan, Bridgeville, Pa. Nutting machine. 1,660,416; Feb. 28.

- Crehan, Hubert and W. A., Pittsburgh, Pa. Feeding device for bolts and the like. 1,660,417; Feb. 28.
- Crehan, William A. (See Crehan, Hubert and W. A.)
- Creighton, Elmer W. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. Self-oiling crosshead gib. 1,661,790; Mar. 6.
- Creighton, Frank M., Americus, Ga., and W. E. Gray, Memphis, Tenn., assignors to Moore Dry Kiln Company, Jacksonville, Fla. Dry kiln. 1,662,807; Mar. 13.
- Creighton, Nelson B., New York, N. Y., assignor to A. H. Stines and P. F. Ryan, New York, N. Y. Fluid-shut-off device. 1,659,518; Feb. 14.
- Cremean, William F., Toledo, Ohio. Dustguard. 1,683,449; Sept. 4.
- Cremen, Daniel J., Blackwood, N. J. Cap. 1,682,004; Aug. 28.
- Cramer, Cecil A., Bellevue, Pa. Sheet-mill roll heater. 1,667,884; May 1.
- Cramer, Leonard A., assignor of one-half to H. Semler, Portland, Oreg. Denture press. 1,688,070; Oct. 16.
- Cr  mer, Michel, Paris, France, assignor to General Electric Company. Electric-arc device. 1,664,195; Mar. 27.
- Crenshaw, Benjamin A., Chicago, Ill. Signaling device. 1,692,333; Nov. 20.
- Crerar, Adams & Co. (See Rostron, Robert, assignor.)
- Crescent Brass Mfg. Co. (See Abrams, Herman, assignor.)
- Crescent Stove Works. (See Diekmann, Edwin F., assignor.)
- Crespo, Ernest L., assignor of one-third to J. Agaricio and one-third to M. V. Ventura, New York, N. Y. Helicopter. 1,660,257; Feb. 21.
- Cressler, Edward P., Newton, Kans. Interchangeable teeth. 1,669,287; May 8.
- Creswell, Clifford A. (See Kniseley, H. M., Creswell, and Messer.)
- Creveling, John L., Oracle, Ariz., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating means. 1,663,737; Mar. 27.
- Creveling, John L., Tucson, Ariz., assignor, by mesne assignments, to Gould Coupler Company, Inc. Electric regulation. 1,671,145; May 29.
- Creveling, John L., near Tucson, Pima County, Ariz., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating means. 1,672,602; June 5.
- Creveling, John L., near Tucson, Ariz., assignor, by mesne assignments, to Simplex Equipment Company, Inc., New York, N. Y. Electric system. 1,678,808; July 31.
- Creveling, John L., Oracle, Ariz., assignor, by mesne assignments, to the Simplex Equipment Company, Inc., New York, N. Y. Electric regulation. 1,681,924; Aug. 28.
- Creveling, John L., Oracle, Ariz., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating means. 1,682,890; Sept. 4.
- Crew, Samuel J., Yarraville, Victoria, Australia. Signal device. 1,680,366; Aug. 14.
- Cribben & Sexton Company. (See Klees, A. L., Greenfield, and Ackermann, assignors.)
- Cribbes, Robert M., Cockburnspath, Scotland. Driving mechanism of the fans of Ford and like engines. 1,661,600; Mar. 6.
- Cricchio, Paul, assignor to Majestic Lamp Works, New York, N. Y. Table lamp or article of analogous nature. Des. 76,987; Nov. 27.
- Crichton, Leslie N., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulation system. 1,669,505; May 15.
- Crichton, Leslie N., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupter relay. 1,673,553; June 12.
- Crichton, Leslie N., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective relay. 1,686,653; Oct. 9.
- Crichton, Leslie N., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system. 1,695,885; Dec. 18.
- Crichton, Leslie N., Edgewood, and L. R. Golladay, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Relay-tripping system. 1,680,410; Aug. 14.
- Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Well-drilling bit. 1,657,607; Jan. 31.
- Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Well-drilling bit. 1,657,608; Jan. 31.
- Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Axle for multiple-drill-disk bits. 1,657,609; Jan. 31.
- Crickmer, Charles S., assignor to The Guiberson Corporation, Dallas, Tex. Swab assembly. 1,669,812; May 15.
- Crickmer, Charles S., and I. C. Bell, assignors to The Guiberson Corporation, Dallas, Tex. Multiple-disk-drill bit. 1,657,610; Jan. 31.
- Criley, William W., Cleveland, Ohio. Snowplow. 1,655,136; Jan. 3.
- Crilly, Roger, Elizabeth, N. J. Apparatus for dehydrating tar. 1,693,549; Nov. 27.
- Crim, Wadsworth & Thiel Auto Theft Alarm Development Company, The. (See Hay, Harry C., assignor.)
- Crimmel, Alvie C., Hartford City, Ind. Vending stand. Des. 76,988; Nov. 27.
- Crimmel, Alvie C., Hartford City, Ind. Vitreous drawer pull. 1,678,498; July 24.
- Crimmel, Alvie C., Hartford City, Ind. Dispensing display stand. 1,693,592; Dec. 4.
- Crimmins, James C., Sherman, Calif. Adjustable route indicator for automobiles. 1,667,967; May 1.
- Crimp, John A., Yakima, Wash. Air pump. 1,676,527; July 10.
- Criner, Harry J., Burlington, assignor to Clarinda Manufacturing Company, Clarinda, Iowa. Driving mechanism for washing machines. 1,663,494; Mar. 20.
- Criner, Harry J., assignor to Clarinda Manufacturing Company, Clarinda, Iowa. Agitator for washing machines. 1,667,195; Apr. 24.
- Criner, Harry J., Burlington, Iowa, assignor to L. V. Kokes and E. L. Vogelanz, Ord, Nebr. Combined driving mechanism for washing machines and wringers. 1,683,961; Sept. 11.
- Criner, Harry J., Clarinda, assignor of one-half to A. G. Bush, Davenport, Iowa. Controlling mechanism for wringers and other machinery. 1,684,265; Sept. 11.
- Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Control mechanism for wringers. 1,693,270; Nov. 27.
- Cripe, Samuel C. and J. C. Gipe, assignors to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Grinding and polishing table. 1,673,903; June 19.
- Crippen Manufacturing Company. (See Frevert, Albert A., assignor.)
- Cripps, Albert A., Detroit, Mich., assignor, by mesne assignments, to Dodge Brothers Inc. Rear-curtain-light support. 1,686,126; Oct. 2.
- Criqui, Charles A. (See Larkin, Elwood T., assignor.)
- Crisp, Charles R., et al. (See Miller, Peter, jr., assignor.)
- Crispin, Edward, Los Angeles, Calif. Apparatus for making building units. 1,674,763; June 26.
- Crispin, Harry A. (See Pawling, H. J., and Crispin.)
- Crisson, George, East Orange, N. J., assignor to American Telephone and Telegraph Company. Electrical power-limiting device. 1,691,150; Nov. 13.
- Crist, John H., assignor to Crist & Schilken Company, Pittsburgh, Pa. Sealing device for swinging doors. 1,671,349; May 29.
- Crist & Schilken Company. (See Crist, John H., assignor.)
- Cristallini, Charles O., assignor to Peck Shoe Company, Worcester, Mass. Arch-supporting shoe. 1,658,405; Feb. 7.
- Critchfield, Robert M., Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Sound signal. 1,676,528; July 10.
- Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments to Delco-Remy Corporation, Dayton, Ohio. Sound signal. 1,696,625; Dec. 25.
- Critelli, Joseph, Jonespoint, N. Y. Automobile water bag. 1,654,921; Jan. 3.
- Crites, John H., Ponca City, Okla. Billiard cabinet or similar article. Des. 74,662; Mar. 13.
- Critser, William, assignor to A. W. Bonnell, Traverse City, Mich. Vehicle signal. 1,664,063; Mar. 27.
- Crittenden, Butler P., Watertown, and A. C. Killinger, Everett, assignors to Beacon Oil Company, Boston, Mass. Excavating device. 1,680,322; Aug. 14.
- Crocker, Bertram E., Los Angeles, Calif. Making synthetic carbonaceous coke briquettes for metallurgical uses. 1,676,729; July 10.
- Crocker, Charles T., Fitchburg, Mass. Soaking machine employed in making paper. 1,676,636; July 10.
- Crocker, Ernest B. (See Graesser, C. H., and Crocker.)
- Crocker, Thomas F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Howler circuits. 1,671,146; May 29.
- Crocker, Thomas F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,676,480; July 10.
- Crocker, Thomas F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,687,325; Oct. 9.
- Crocker, Thomas F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,688,689; Oct. 23.
- Crocker, Thomas F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Wire chiefs test circuits for telephone systems. 1,691,269; Nov. 13.
- Crocker-Wheeler Electric Manufacturing Company. (See Bunker, Arthur C., assignor.)
- Crocker-Wheeler Electric Manufacturing Company. (See Seiffert, Otto E., assignor.)
- Crocker, William W. (See Erickson, A. M., and Crocker.)
- Crockett, Ernest J., assignor to Mack Sennett Inc., Los Angeles, Calif. Camera attachment. 1,696,431; Dec. 25.
- Crockett, Frank L., East Douglas, assignor to Whitin Machine Works, Whitinsville, Mass. Combing machine. 1,671,101; May 29.
- Crockett, Guy E. (See Speakman, W. F., and Crockett.)
- Crockett, William F., Barnett, Mo. Railroad tie. 1,657,993; Jan. 31.
- Crockett, William P., et al. (See Temple, Fred W., assignor.)
- Crockett, William P., Chicago, Ill. Electromagnetic device. 1,683,450; Sept. 4.
- Crockett, William P., Chicago, Ill. Electric-light fixture. 1,695,413; Dec. 18.
- Croese, Dirk, London, England. Manufacture of steel and alloys from iron sand. 1,662,302; Mar. 13.

- Crofoot, Edwin H., Mason City, Iowa. Collapsible support for diffusion-battery-cell chains. 1,669,288; May 8.
- Crofoot, John B., Arlington Heights, Ill. Stapling machine. 1,663,242; Mar. 20.
- Crofoot, John B., Arlington Heights, Ill. Staple. 1,684,728; Sept. 18.
- Crofoot, John B., Arlington Heights, Ill. Magazine hammer. 1,688,037; Oct. 16.
- Croft, Edward H. (See Brooks, R., and Croft.)
- Croft, Hiram D. (See Oakley, J. and Croft.)
- Croft, Hiram D. (See Perkins, J. L., and Croft.)
- Croft, Hiram D., assignor to Perkins Machine and Gear Company, Springfield, Mass. Broach. 1,677,815; July 17.
- Croft, Hiram D., assignor to Perkins Machine and Gear Company, Springfield, Mass. Broach mechanism. 1,688,177; Oct. 16.
- Croft, William H., and R. J. Shoemaker, Chicago, Ill., assignors to Magnus Company, Incorporated, New York, N. Y. Molding apparatus. 1,693,222; Nov. 27.
- Crofton, Wilfred B., Johannesburg, Transvaal, South Africa. Diaphragm pump. 1,680,089; Aug. 7.
- Cromar Company, The. (See Dittmar, Elmer C., assignor.)
- Cromartie, George G., East Orange, and E. W. Nielsen, assignors, by mesne assignments, to Seaboard Engineering Corporation, Newark, N. J. Telephone plug. 1,669,042; May 8.
- Crombie, Peter A., Jr., Thompsonville, Conn. Snow scraper. 1,690,886; Nov. 6.
- Cromer, Harry L., Jak Park, Ill. Reaping or harvesting machine for harvesting hemp or similar stalks or crops. 1,678,134; July 24.
- Cromie, James, Pasadena, Calif. Electric valve control. 1,671,409; May 29.
- Crompton, Arthur, Manchester, England. Machine for finishing textile fabrics. 1,682,487; Aug. 28.
- Crompton & Knowles Loom Works. (See Bergstrom, C. F., and Folsy, assignors.)
- Crompton & Knowles Loom Works. (See Blanchard, Harold L., assignor.)
- Crompton & Knowles Loom Works. (See Brooks, John C., assignor.)
- Crompton & Knowles Loom Works. (See Cederlund, Albert, assignor.)
- Crompton & Knowles Loom Works. (See Chevette, Augustin J., assignor.)
- Crompton & Knowles Loom Works. (See Chevette, A. J., and Jennings, assignors.)
- Crompton & Knowles Loom Works. (See Clark, Everett E., assignor.)
- Crompton & Knowles Loom Works. (See Crane, Clarence W., assignor.)
- Crompton & Knowles Loom Works. (See Dacey, Edward J., assignor.)
- Crompton & Knowles Loom Works. (See Favor, H. S., and Pfeiffer, assignors.)
- Crompton & Knowles Loom Works. (See Findlay, George P., assignor.)
- Crompton & Knowles Loom Works. (See Giles, John W., assignor.)
- Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
- Crompton & Knowles Loom Works. (See Gordon, A. A., and Morrell, assignors.)
- Crompton & Knowles Loom Works. (See Hollingworth, Edward, assignor.)
- Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
- Crompton & Knowles Loom Works. (See Hook, Harry J., assignor.)
- Crompton & Knowles Loom Works. (See Howard, C. R., and Wagner, assignors.)
- Crompton & Knowles Loom Works. (See Hutchins, George F., assignor.)
- Crompton & Knowles Loom Works. (See Jacob, Elmer, assignor.)
- Crompton & Knowles Loom Works. (See Jennings, Victor H., assignor.)
- Crompton & Knowles Loom Works. (See Jennings, V. H., and Watson, assignors.)
- Crompton & Knowles Loom Works. (See Kelley, Thomas, assignor.)
- Crompton & Knowles Loom Works. (See Lundrgren, William E., assignor.)
- Crompton & Knowles Loom Works. (See May, Clarence L., assignor.)
- Crompton & Knowles Loom Works. (See McGuiness, Benjamin F., assignor.)
- Crompton & Knowles Loom Works. (See Nelson, Samuel A., assignor.)
- Crompton & Knowles Loom Works. (See Olch, Jacob B., assignor.)
- Crompton & Knowles Loom Works. (See Palmer, Albert, assignor.)
- Crompton & Knowles Loom Works. (See Parent, Cyrill, assignor.)
- Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
- Crompton & Knowles Loom Works. (See Payne, O. V., and Turner, assignors.)
- Crompton & Knowles Loom Works. (See Pfeiffer, George J., assignor.)
- Crompton & Knowles Loom Works. (See Regan, John, assignor.)
- Crompton & Knowles Loom Works. (See Robb, Walter Y., assignor.)
- Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
- Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignors.)
- Crompton & Knowles Loom Works. (See Shutt, Jesse R., assignor.)
- Crompton & Knowles Loom Works. (See Soderberg, J. G., and Robertson, assignors.)
- Crompton & Knowles Loom Works. (See Steere, Clarence A., assignor.)
- Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
- Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)
- Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
- Crompton & Knowles Loom Works. See Watson, Herbert H., assignor.)
- Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
- Crompton, Thomas A., Ilford, England. Pressure-relieving valve. 1,695,248; Dec. 11.
- Cromwell, John C., Columbus, Ohio, assignor, by mesne assignments, to The Testite Company. Gasket. 1,661,878; Mar. 6.
- Cromwell, Oliver C. (See Emerson, G. H., and Cromwell.)
- Cromwell, William K., Jr., Lake Roland, assignor to The Gandy Belting Company, Baltimore, Md. Coal bag. 1,677,583; July 17.
- Crone, Charles H., Titusville, Pa. Combined centering, babbitting and machining device. 1,686,845; Oct. 9.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway brake beam. 1,655,754; Jan. 10.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway-brake-beam support. 1,655,755; Jan. 10.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway-brake-beam support. 1,655,756; Jan. 10.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway-brake-beam support. 1,655,757; Jan. 10.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Emergency safety supporting bar for railway brake beams. 1,655,758; Jan. 10.
- Crone, Seth A., East Orange, N. J., assignor to Buffalo Brake Beam Company. Self-locking pin or bolt. 1,659,992; Feb. 21.
- Cronenberger, Fred, and J. Noyes, assignors of one-half to C. L. and E. E. Board, White Lake, S. Dak. Hog waterer. 1,656,674; Jan. 16.
- Cronenweth, Earl E., Glendale, Calif. Teller's cage. 1,663,681; Mar. 27.
- Cronin, Charles E., et al. (See Carroll, Joseph J., assignor.)
- Cronin, John A., assignor to The D. E. McNicol Pottery Co. of W. Va., Clarksburg, W. Va. Plate or similar article. Des. 76,778; Nov. 6.
- Croning, Johannes, Hamburg, Germany, assignor, by mesne assignments, to Crown Lock Company. Adjusting locking cylinders. 1,677,432; July 17.
- Croninger, Lorenzo D. (See Frank, W. N., Croninger, and Hill.)
- Cronjaeger, Hans, Halle-on-the-Saale, Germany. Centering target. 1,660,833; Feb. 28.
- Cronk, Wesley M., Burlingame, assignor to Master Products Corporation, San Francisco, Calif. Brake-testing gauge. 1,676,774; July 10.
- Cronkrite, Charles M., Glendale, Calif. Recoil mechanism. 1,671,410; May 29.
- Cronkrite, Charles M., Glendale, Calif. Recoil or snubbing mechanism. 1,673,230; June 12.
- Cronkrite, Charles M., Los Angeles, Calif., assignor to Martin Iron Works. Irrigating valve. 1,657,110; Jan. 31.
- Cronshaw, Cecil J. T., and W. J. S. Naunton, assignors to British Dyestuffs Corporation Limited, Manchester, England. Vulcanization of rubber. 1,687,861; Oct. 16.
- Cronwall, Carl G., assignor to General Motors Corporation, Detroit, Mich. Adjustable seat structure for automobiles. 1,677,584; July 17.
- Crook, Charles M., and A. E. Long, assignors to Stromberg Electric Company, Chicago, Ill. Time-controlled mechanism. 1,676,253; July 10.
- Crook, Louis H. (See Wragg, Charles A., assignor.)
- Crook, Louis H., Washington, D. C., assignor of one-half to H. Jakobsson, Takoma Park, Md. Antioscillating and stress-reducing device for cables. 1,676,006; July 3.
- Crooker, Harry L. (See Sterling, F. W., and Crooker.)
- Crookshank, Clarence W., San Diego, Calif. Cap for bottles and other containers. 1,674,951; June 26.
- Crorex Holding Company. (See Rex, Walter H., assignor.)
- Crosby, Arthur P., assignor of one-half to W. T. Price, Minneapolis, Minn. Radiator return trap. 1,694,641; Dec. 11.
- Crosby, Leslie, Astoria, Oreg. Gauge. 1,671,703; May 29.
- Crosby Steam Gage & Valve Company. (See Raymond, Fairfield E., assignor.)

- Crosland, Edward M., Newton-le-Willows, England. Oven for baking, drying, and other heating operations. 1,657,959; Jan. 31.
- Crosland, Edward M., Helsby, England. Machine for sheeting dough. 1,696,891; Dec. 25.
- Crosley, Powel, jr., Cincinnati, Ohio. Rheostat. 1,673,443; June 12.
- Crosley, Powel, jr., Cincinnati, assignor to The Frank F. Taylor Co., Norwood, Ohio. Baby walker. 1,661,411; Mar. 6.
- Crosley Radio Corporation, The. (See Kilgour, Charles E., assignor.)
- Crosman Brothers Company. (See Crosman, George L. and L. P., assignors.)
- Crosman, G. A., & Sons Co. (See Crosman G. L., and Nason, assignors.)
- Crosman, George L., Falmouth Foreside, Me., and L. P. Crosman, Waverly, Mass., assignors to Crosman Brothers Company, Portland, Me. Toy building blocks. 1,668,551; May 8.
- Crosman, George L., and A. P. Nason, Portland, assignor to G. A. Crosman & Sons Co., Deering Junction, Portland, Me. Snow scoop or shovel. 1,678,135; July 24.
- Crosman, Loring P. (See Crosman, George L. and L. P.)
- Cross, Charles S., deceased, Brooklyn, N. Y.; A. B. Boyer, administrator. Educational pot. 1,687,239; Oct. 9.
- Cross, Garrett P. S., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Divided last. 1,660,478; Feb. 28.
- Cross, George H., Merced, Calif., assignor of one-fifth to S. V. Cornell and two-fifths to C. C. Hale. Marking system. 1,666,994; Apr. 24.
- Cross, Leonard W., Wheeling, W. Va., assignor to Consolidated Expanded Metal Companies, Braddock, Pa. Metal lath. 1,691,227; Nov. 13.
- Cross Manufacturing Company. (See McNaught, Norris F., assignor.)
- Cross-Ratcliff Lining and Mounting Machinery Company, The. (See Ratcliff, William D., assignor.)
- Cross, Roy, Kansas City, Mo. Desulphurizing and purifying petroleum oil. 1,654,581; Jan. 3.
- Cross, Roy, Kansas City, Mo., assignor to Gasoline Products Company, Inc., New York, N. Y. Refluxing tower. 1,670,762; May 22.
- Cross, Walter M., Kansas City, Mo. Making producer gas. 1,657,371; Jan. 24.
- Cross, Walter M., Kansas City, Mo. Converting petroleum hydrocarbons. 1,666,119; Apr. 17.
- Cross, Walter M., Kansas City, Mo., assignor to The Gasoline Products Company, New York, N. Y. Treating hydrocarbon oils. 1,667,883; May 1.
- Cross, Walter M., Kansas City, Mo., assignor, by mesne assignments, to Gasoline Products Company, Inc., Wilmington, Del. Treating petroleum oils. 1,696,030; Dec. 18.
- Crossan, Jesse R. (See Walter, H. A., and Crossan.)
- Crossby, William E. J., Harrow, and J. Mellor, assignors to Packs (1925) Limited, Feltham, England. Receptacle. 1,683,166; Sept. 4.
- Crossen, Carl R., Bell, Calif. Apparatus for handling well casings. 1,696,526; Dec. 25.
- Crossett, Lewis D., assignor of one-half to P. Barnes, Seattle, Wash. Mechanical figure toy. 1,688,575; Oct. 23.
- Crossingham, James H., Germantown, Pa. Undergarment. 1,679,206; July 31.
- Crossland, George, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 1,659,626; Feb. 21.
- Crossley, Alfred. (See Mirick, C. B., and Crossley.)
- Crossley, Alfred, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Amplifying system. Re17,105; Oct. 16.
- Crossley, Alfred, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Control circuit for electron tubes. 1,696,626; Dec. 25.
- Crossley, Alfred, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal. 1,696,627; Dec. 25.
- Crossley, Alfred, and C. F. Rudolph, Washington, D. C. assignors to Wired Radio, Inc., New York, N. Y. Piezo-electric-crystal apparatus. 1,663,682; Mar. 27.
- Crossley, Frank, assignor to J. E. Plant, Cleveland, Ohio. Magnesium compound and producing the same. 1,694,341; Dec. 4.
- Crossley, Royal E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Door construction for lamps and the like. 1,682,371; Aug. 28.
- Crossman, George J., jr., assignor to Compo-Site, Inc., Newark, N. J. Handle for screw driver or similar article. Des. 76,855; Nov. 13.
- Crosthwait, Asa B., assignor of 40 per cent to Shelton, San Antonio, Tex. Shoe heel. 1,675,256; June 26.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Method and apparatus for setting thermostats. 1,661,323; Mar. 6.
- Crosthwait, David N., jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. Method and apparatus for setting thermostats. 1,694,164; Dec. 4.
- Crotto, Frank E., assignor to Western Supply Company, Tulsa, Okla. Wire-line clamp. 1,674,952; June 26.
- Crouch, Logan R., Natchez, Miss. Expansion joint. 1,670,023; May 15.
- Crouse, Emory, Wichita, Kans. Dispensing reservoir. 1,667,245; Apr. 24.
- Crouse, George B., Stamford, Conn. Acoustic translating device. 1,656,172; Jan. 17.
- Crouse, George B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Battleship compass. 1,686,513; Oct. 9.
- Crouse, George B., Woodcliff, N. J., assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Fire-control instrument. 1,689,327; Oct. 30.
- Crouse, George B., Woodcliff, and J. L. Jatlow, Elizabeth, N. J., assignors to Conner Crouse Corporation, New York, N. Y. Voltage regulator. 1,691,022; Nov. 6.
- Crouse, George B., Woodcliff, and J. L. Jatlow, Elizabeth, N. J., assignors to Conner Crouse Corporation, New York, N. Y. Voltage regulator. 1,691,909; Nov. 13.
- Crouse, George B., Woodcliff, and J. L. Jatlow, Elizabeth, N. J., assignors to Conner Crouse Corporation, New York, N. Y. Voltage regulator. 1,691,910; Nov. 13.
- Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
- Crouse-Hinds Company. (See Buchanan, Frank, assignor.)
- Crouse-Hinds Company. (See Buchanan, F., and Mackall, assignors.)
- Crouse-Hinds Company. (See Crossley, Royal E., assignor.)
- Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
- Crouse-Hinds Company. (See Pearson, J. T., and Olley, assignors.)
- Crouse-Hinds Company. (See Smith, Elda G., assignor.)
- Crow, Elias F., Findlay, Ohio. Animal poke. 1,655,311; Jan. 3.
- Crow, Leroy V., Cloverdale, Calif. Valve. 1,672,114; June 5.
- Crow, Martin L. (See Haynes, David W., assignor.)
- Crow, William W., Treece, Kans. Register mechanism. 1,691,961; Nov. 20.
- Crowder, Rives L., Louisville, Ky. Sadiron stand. 1,656,320; Jan. 17.
- Crowe, Douglas C., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Selector switch. 1,659,627; Feb. 21.
- Crowe, John M., Covington, Ky. Rivet-cutting gun. 1,687,326; Oct. 9.
- Crowe, John J., Westfield, and J. H. W. Begerow, Seacaus, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Torch machine. 1,691,007; Nov. 6.
- Crowe, Paul L., Baltimore, Md. Crushing and separating apparatus. 1,654,638; Jan. 3.
- Crowe, Paul L., Baltimore, Md. Crushing apparatus. 1,654,639; Jan. 3.
- Crowe, Paul L., Baltimore, Md. Machine for comminuting coal and creating a draft to feed the comminuted coal. 1,668,356; May 1.
- Crowe, Paul L., Baltimore, Md. Crushing machine. 1,696,387; Dec. 25.
- Crowe, Samuel D., La Grande, Oreg. Holder for golf bags, clubs, and other accessories. 1,660,479; Feb. 28.
- Crowell, Charles W., Salisbury, N. C. Illumination-controlling device. 1,655,356; Jan. 3.
- Crowell, Charles W., Salisbury, N. C. Superheater. 1,656,973; Jan. 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting fixture. 1,661,999; Mar. 6.
- Crowell, John H., Tisbury, Mass. Toothpick. 1,679,651; Aug. 7.
- Crowell, Russell B., Agnew, and G. F. Breckenridge, San Jose, Calif., assignors, by mesne assignments, to American Solvents & Chemical Corporation of California. Producing alkali-metal xanthates. Re16,866; Jan. 31.
- Crowell, William B., New York, N. Y. Door-checking device. 1,655,137; Jan. 3.
- Crowell, William B., New York, N. Y. Checking means for door-operating mechanism. 1,664,246; Mar. 27.
- Crowell, William B., New York, N. Y. Elevator-door-operating mechanism. 1,684,433; Sept. 18.
- Crowell, William B., New York, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Electrical fixture. 1,660,548; Feb. 28.
- Crowell, William B., New York, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator and inclosure therefor. 1,685,228; Sept. 25.
- Crowhurst, James W., Los Angeles, Calif. Frost-prevention apparatus. 1,688,802; Oct. 23.
- Crowley, E. Chase. (See Holinger, Emil F., assignor.)
- Crowley, Joseph P., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Wire-glass machine. 1,656,048; Jan. 10.
- Crowley, Joseph P., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Valve. 1,667,141; Apr. 24.
- Crowley, Joseph P., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Valve. 1,695,536; Dec. 18.
- Crowley, Michael M., Sioux City, Iowa. Locomotive boiler. 1,663,585; Mar. 27.
- Crowley, Sylvester W., Weehawken, assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Electron-discharge device. 1,672,482; June 5.
- Crowley, Sylvester W., Weehawken, assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Electron-discharge device. 1,672,483; June 5.

- Crown Cork & Seal Company. (See Dirzuweit Carl J., assignor.)
- Crown Cork & Seal Company. (See Elder, John D., assignor.)
- Crown Cork & Seal Company. (See Huntley, George J., assignor.)
- Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
- Crown Cork and Seal Company of Baltimore City, The. (See Derby, William V., assignor.)
- Crown Cork and Seal Company of Baltimore City, The. (See Huntley, George J., assignor.)
- Crown Cork and Seal Company of Baltimore City, The. (See Warth, Albin H., assignor.)
- Crown Fuel Saver Company. (See Harter, Lloyd E., assignor.)
- Crown Lock Company. (See Croning, Johannes, assignor.)
- Crown Willamette Paper Company. (See Duvall, James, assignor.)
- Crown, William F., Aberdeen, assignor of one-fourth to V. E. Hansen, Hoquiam, and one-eighth to H. H. Wilt, Cosmopolis, Wash. Pump. 1,683,962; Sept. 11.
- Crowne Name Plate & Manufacturing Co. (See Hott, Thomas W., assignor.)
- Crowther, Joseph C., assignor to Bachmann Bros., Inc., Philadelphia, Pa. Yarn-moistening device for knitting machines. 1,658,671; Feb. 7.
- Crozier, Florence S., New York, N. Y. Apparatus for making concrete lumber. 1,655,725; Jan. 10.
- Crozier, Florence S., New York, N. Y. Making concrete lumber and other cementitious articles. 1,657,566; Jan. 31.
- Cruikshanks, Alexander, St. Louis, Mo. Sectional pole. 1,662,884; Mar. 20.
- Cruikshank, George O., Leipsic, Ohio. Device for curing tobacco and the like. 1,667,512; Apr. 24.
- Crum, Leo J., assignor of one-half to L. L. Vosler, Kalamazoo, Mich. Exercising device. 1,664,664; Apr. 3.
- Crumb, Charles F. (See Gronke, B., and Crumb.)
- Crumbach, Hubert, and H. C. Maxwell, Cleveland, Ohio. Pendulum level. 1,654,964; Jan. 3.
- Crumley, Frank M., assignor of one-third to G. Grandstaff and one-third to E. V. Sholtz, Urbana, Ind. Window ventilator. 1,691,840; Nov. 13.
- Crumly, Owen M., Carlisle, Ia. Saw attachment for tractors. 1,696,527; Dec. 25.
- Crummey, John D., W. J. Austin, and F. H. Lewis, assignors to Bean Spray Pump Co., San Jose, Calif. Conveyor. 1,676,481; July 10.
- Crump, Frank H., Los Angeles, Calif. Loose-leaf binder. 1,673,315; June 12.
- Crump, John W. (See Potter, H. V., and Crump.)
- Crumrine, George E. (See Morris, O. E., Crumrine, and Grounds.)
- Crumrine, Kennedy H., Cleveland, Ohio, assignor to Gisholt Machine Company, Madison, Wis. Tool post. 1,662,959; Mar. 20.
- Cruse, Amandus H., New York, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc. Driving mechanism for matrix-rolling tables. 1,658,429; Feb. 7.
- Cruse, Della C., Hodgenville, Ky. Collapsible lamp shade. 1,673,665; June 12.
- Cruse, Henry, Hyde, and T. F. Gray, Manchester, England. Steam superheater. 1,673,231; June 12.
- Cruver, Curtis L. (See Drew, R. S., and Cruver.)
- Cruver, Manufacturing Company. (See Drew, R. S., and Cruver, assignors.)
- Cruys, Carl R., Davenport, Iowa. Combination door handle and lock light. 1,674,159; June 19.
- Crystal Oil Burner Corporation. (See Brown, John M., assignor.)
- Crystal Refrigerating Co. (See Hammond, Earl R., assignor.)
- Crystler, Frank M., Belding, Mich. Signal. 1,666,003; Apr. 10.
- Csanyi, Henry, New York, N. Y. Battery cell. 1,676,007; July 3.
- Csanyi, Henry, New York, N. Y. Antenna. 1,679,240; July 31.
- Csanyi, Henry, assignor to L. Klopman and W. W. Huselton, deceased, New York, N. Y.; S. Lebson, executor, assignor to Dry Storage Battery Corporation, Philadelphia, Pa. Battery cell. 1,675,973; July 3.
- Cucinotto, Francesco, New York, N. Y. Game apparatus. 1,678,462; July 24.
- Cudahy Packing Company, The. (See Drake, Eugene T., assignor.)
- Cuddy, Harvey, and C. Lewis, assignors to Cuddy-Lewis Inter-Locking Rail-Joint Corporation, Winchester, Ky. Rail joint. 1,669,289; May 8.
- Cuddy-Lewis Inter-Locking Rail Joint Corporation. (See Cuddy, H., and Lewis, assignors.)
- Cude, Harold B., Floral Park, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Treating rubber and product. 1,680,862; Aug. 14.
- Cuendet, Maurice E., Lausanne, Switzerland, assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 1,676,529; July 10.
- Cuff, James E., assignor to American Flyer Manufacturing Company, Chicago, Ill. Highway signal for toy railways. Des. 75,956; Aug. 7.
- Cuff, James E., assignor to American Flyer Manufacturing Company, Chicago, Ill. Danger signal for toy railways. Des. 75,957; Aug. 7.
- Cuff, James E., assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy watchman's tower. Des. 77,297; Dec. 25.
- Culbertson, Glenn B., assignor to A. E. Strickland, Indianapolis, Ind. Adjustable stand. 1,671,231; May 29.
- Cullen, Frank J., Culver City, P. E. Binder, El Segundo, and C. C. Harshman, Los Angeles, assignors to Standard Oil Company of California, San Francisco, Calif. Rotary acetylene torch. 1,684,476; Sept. 18.
- Cullen, Harry J. (See Symonds, H. D., and Cullen.)
- Cullen, Julien F., Portland, Oreg. Manufacture of cushion-tired wheels. 1,666,234; Apr. 17.
- Cullen, Patrick C., Dallas, Tex. Lubricating chamber for water-cut-off valves. 1,668,949; May 8.
- Culligan, Joseph G., New York, N. Y. Game board. Des. 76,989; Nov. 27.
- Cullin, Jasper F., Detroit, Mich. Inserting insulation in slotted armatures. 1,668,192; May 1.
- Cullinan, Ralph, Richmond, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Container. 1,694,584; Dec. 11.
- Cullmann, Ernst, Munich-Gladbach, assignor to the firm Speck & Bonsmann Aktiengesellschaft, Haan, Germany. Self-closing umbrella. 1,680,090; Aug. 7.
- Culham, Henry J., London, England. Gramophone. 1,671,350; May 29.
- Culham, Henry J., London, England. Sound-amplifying horn for gramophones, loud speakers, and other like sound-reproducing apparatus. 1,687,714; Oct. 16.
- Culp, Arthur J., Clanton, Ala. Exhaust trap. 1,666,005; Apr. 10.
- Culp, Arthur J., Clanton, Ala. Exhaust trap and valve therefor. 1,673,619; June 12.
- Culp, George K., Jr., G. D. Barker, and W. J. Sturgis, Hamilton, Mo., assignors to Electromatic Appliance Corp. Liquid-fuel-burning heater. 1,663,442; Mar. 20.
- Culp, George W., Magrath, Alberta, Canada. Draft equalizer. 1,692,113; Nov. 20.
- Culp, Jesse A. (See Miller Benjamin, assignor.)
- Culp, John F., assignor to Ideal Lubricator Company, Philadelphia, Pa. Lubricating system. 1,680,936; Aug. 14.
- Culp, John F., assignor to Ideal Lubricator Company, Philadelphia, Pa. Grease cup. 1,686,801; Oct. 9.
- Culp, John W., Johnstown, Pa. Mechanical toy. 1,666,527; Apr. 17.
- Culp, John W., Johnstown, Pa. Mechanical game toy. 1,695,683; Dec. 18.
- Culver, Charles A., Northfield, Minn., assignor to Wired Radio, Inc., New York, N. Y. Microphone. 1,686,901; Oct. 9.
- Culver, Herbert H., St. Louis, Mo. Water-filter attachable to faucets. 1,680,323; Aug. 14.
- Culver, Thomas R., Breckenridge, Tex., assignor of three-sixteenths to E. J. Hunter and three-sixteenths to R. E. Bowers. Child's motor car. 1,660,298; Feb. 21.
- Culverwell, Frederick E. (See Martinelli, L. A., and Culverwell.)
- Culwell, Jacob J. (See Hood, L. H., and Culwell.)
- Cumfer, Harry A., Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co. Self-threading saturator and coater. 1,673,186; June 12.
- Cumfer, Harry A., assignor to "Guyton & Cumfer Mfg. Co." Chicago, Ill. Shingle-making machine. 1,675,533; July 3.
- Cummer, Frederick H., Los Angeles, Calif. Portable asphalt-mixing plant. 1,665,405; Apr. 10.
- Cummer, Frederick H., Cleveland Heights, Ohio. Dust charger for road plants. 1,674,194; June 19.
- Cummer, Frederick H., Los Angeles, Calif. Asphalt-mixing plant. 1,677,274; July 17.
- Cummer, Frederick H., Los Angeles, Calif. Mixer for road materials. 1,687,660; Oct. 16.
- Cummer, Robert L., Toronto, Ontario, Canada. Dental foss holder. 1,666,877; Apr. 17.
- Cumming, James G. (See Sullivan, William S., assignor.)
- Cumming, William G., Montreal, Quebec, Canada. Tire-inflating mechanism. 1,664,970; Apr. 3.
- Cumming, William H. (See Smoyer, H., Cumming, and Thiele.)
- Cummings, Charles D., Tully, N. Y. Claw hammer. 1,664,594; Apr. 3.
- Cummings, Charles D., Tully, N. Y. Can opener. 1,671,014; May 22.
- Cummings Corporation. (See Kesel, William P., assignor.)
- Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Folding brace. 1,677,620; July 17.
- Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Foldable service board. 1,692,930; Nov. 27.
- Cummings, James D., assignor of one-half to C. J. Manuagh, Houston, Tex. Boom attachment for tractors. 1,676,688; July 10.
- Cummings, Robert T., assignor of one-half to E. H. Price, Spokane, Wash. Heater for windshields. 1,686,146; Oct. 2.
- Cummings, Ross. (See Pike, R. D., and Cummings.)
- Cummings, Thomas P., Chicago, Ill. Plumbing device. 1,683,336; Sept. 4.
- Cummins, Arthur P., Vancouver, British Columbia, Canada. Animal trap. 1,669,974; May 15.
- Cummins, Charles F., assignor of one-third to F. Backlund and one-third to P. P. Sontag, Spokane, Wash. Stepladder. 1,670,653; May 22.

- Cummins, Norman W., Plymouth, Mich. Side-clamp hood fastener. 1,664,771; Apr. 3.
- Cummins, Norman W., Plymouth, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock for automobile doors. 1,662,662; Mar. 13.
- Cummins, Norman W., Plymouth, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Handle-retaining means for automobile doors. 1,672,711; June 5.
- Cummins, Roy M., Barborton, Ohio. Automobile cleaning brush. 1,694,733; Dec. 11.
- Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Wire clamp. 1,667,345; Apr. 24.
- Cumner, Arthur B., Philadelphia, Pa. Fluid gun. 1,657,070; Jan. 24.
- Cumpston, Frederick B., Blooming Grove, Tex. Cotton-bolt breaker and cleaner. 1,678,210; July 24.
- Cunard, Harry O., assignor to E. I. Hiatt, Modesto, Calif. Method of and element for heating hovers. 1,655,857; Jan. 10.
- Cundiff, Charles W., assignor to Owensboro Ditcher & Grader Company, Owensboro, Ky. Ditching and grading machinery. 1,661,927; Mar. 6.
- Cunlco, Frank, assignor of one-half to I. Politi, San Francisco, Calif. Peeling machine. 1,682,600; Aug. 28.
- Cunliff, Irving A., Oakland, Calif. Piston-ring compressor. 1,655,595; Jan. 10.
- Cunniff, Bernard, assignor to Colloidal Equipment Corporation, New York, N. Y. Disintegrator. 1,666,640; Apr. 17.
- Cunniff, Edward A., Waltham, Mass. Automobile attachment. 1,660,668; Feb. 28.
- Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Salvage-relieving mechanism for looms. 1,666,960; Apr. 24.
- Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,678,587; July 24.
- Cunniff, John V., Los Angeles, Calif., assignor to Safeway Headlights, Incorporated. Dirigible reflector in headlights. 1,662,699; Mar. 13.
- Cunningham, Allan, Seattle, Wash. Diaphragm horn. 1,655,675; Jan. 10.
- Cunningham, Dennis J., Washington, D. C. Roller guard for automobiles. 1,665,085; Apr. 3.
- Cunningham, Edward L., and H. F. Macbeth, Seattle, Wash. Method and apparatus for charging fluids and other substances with ultraviolet rays. 1,659,085; Feb. 14.
- Cunningham, George D., assignor to A. H. Belo & Co., Dallas, Tex. Newspaper receptacle. 1,656,426; Jan. 17.
- Cunningham, Henry M. T., Washington, D. C. Vending machine. 1,655,090; Jan. 3.
- Cunningham, John A., Bethlehem, assignor of one-half to M. Cunningham, Philadelphia, Pa. Indoor-golf hole. 1,682,601; Aug. 28.
- Cunningham, Mary. (See Cunningham, John A., assignor.)
- Cunningham, Orin D. (See Hess, R. W., and Cunningham.)
- Cunningham, Philip J., New York, N. Y. Power transmission. 1,695,951; Dec. 18.
- Cunningham, Roy S., Los Angeles, Calif. Vapor-conservation system. 1,669,230; May 8.
- Cunningham, Sylvester, Evansville, Ind. Expanding mandrel. 1,683,167; Sept. 4.
- Cunningham, T. S., et al. (See Hansen, John, assignor.)
- Cunnington, George R., Akron, assignor to The Paine-Cunnington Company, Cleveland, Ohio. Shield for vehicle brakes. 1,694,033; Dec. 4.
- Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filter for fluids. 1,657,346; Jan. 24.
- Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Electric cigar lighter. 1,675,293; June 26.
- Cuno Engineering Corporation, The. (See Cuno, Charles H., assignor.)
- Cuno Engineering Corporation, The. (See Hance, Isaac I., assignor.)
- Cuno Engineering Corporation, The. (See Wolfson, Sidney L., assignor.)
- Cuntz, Herman F., Hartford, Conn. Vertical beacon. 1,666,196; Apr. 17.
- Cupples Company, Manufacturers. (See Fleischli, John A., assignor.)
- Curcuroto, Philip. (See Orszag, L., and Curcuroto.)
- Cureton, Thomas, Dayton, Ohio. Adjustable seat bearing. 1,668,839; May 8.
- Curin, Joseph, Chicago, Ill. Face plate. Des. 77,221; Dec. 18.
- Curle, George L., Minneapolis, Minn. Slug-sawing device. 1,662,638; Mar. 13.
- Curle, George L., Minneapolis, Minn. Auxiliary melting pot for linotype machines. 1,691,380; Nov. 13.
- Curle, George L., assignor to R. E. Holland, Minneapolis, Minn. Puddling device for type-casting machines. 1,669,456; May 15.
- Curlee, John M., Kirkwood, Mo. Combined speedometer and motometer. 1,680,503; Aug. 14.
- Curley, Robert S., Lowell, Mass., assignor, by mesne assignments, to Kitson Machine Shop. Condenser. 1,677,173; July 17.
- Curme, George O., jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Manufacture of glycols. 1,695,250; Dec. 11.
- Curme, George O., jr., and E. W. Reid, Pittsburgh, Pa., assignors, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Making isopropyl alcohol. 1,695,249; Dec. 11.
- Curnick, Harvey and E. D. Specht, Minneapolis, Minn. Motor-vehicle signal means. 1,686,267; Oct. 2.
- Curran, Frank L. (See Murr, A. C., and Curran.)
- Curran, Frank M., and C. B. Norris, Grand Rapids, Mich., assignors to Haskellite Manufacturing Corporation. Securing mechanism for doors. 1,669,371; May 8.
- Curran, Hattie M. (See Luebbert, Joseph, assignor.)
- Curran, James T., assignor to L. E. Curran, Chicago, Ill. Combined dustpan and broom holder. 1,659,461; Feb. 14.
- Curran, Jerome P., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 76,990; Nov. 27.
- Curran, John J., Minneapolis, Minn. Matrix-band structure. 1,669,231; May 8.
- Curran, Joseph S., Providence, R. I. Mechanical movement. 1,691,644; Nov. 13.
- Curran, Joseph S., assignor of one-half to A. E. Goodby, Providence, R. I. Differential mechanism. 1,674,355; June 19.
- Curran, Lucinda E. (See Curran, James T., assignor.)
- Curran, Stanley T., Mountain Lakes, and E. C. Mueller, jr., Elizabeth, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Universal adjustable earpiece for audiphones. 1,668,890; May 8.
- Currie, Carlton E., Los Angeles, Calif. Adjustable positive-grip steel beam hook. 1,686,074; Oct. 2.
- Currie, Edwin H. (See Tagle, R. G., and Currie.)
- Currie, Otis C., assignor of forty-nine one-hundredths to F. V. Carney, St. Clair, Mich. Practice golf game. 1,690,153; Nov. 6.
- Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Bail-attaching means for lanterns and the like. 1,665,055; Apr. 3.
- Currie, Robert A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Bail construction for lanterns and the like. 1,696,567; Dec. 25.
- Currier, Arthur L., New Ipswich, N. H. Chuck. 1,686,601; Oct. 9.
- Currier, Charles H., Chicago, Ill. Drying device. 1,656,173; Jan. 17.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiving electrical oscillations. 1,657,567; Jan. 31.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Coil. 1,666,120; Apr. 17.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Transformer. 1,669,929; May 15.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Radiocoil. 1,683,606; Sept. 11.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Distributor. 1,692,819; Nov. 27.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Coil. 1,693,837; Dec. 4.
- Currier, Hiram D., and W. G. Shull, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,664,665; Apr. 3.
- Currier, Kenneth G., East Orange, N. J., and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 76,779; Nov. 6.
- Currier, Kenneth G., East Orange, N. J., and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 76,780; Nov. 6.
- Currier, Kenneth G., East Orange, N. J., and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 76,781; Nov. 6.
- Currier, Kenneth G., East Orange, N. J., and J. Heinrich, assignors to Fred Butterfield & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 76,782; Nov. 6.
- Curry, J. P., Mfg. Co. (See Foulder, Henry B., assignor.)
- Curry, James A., Detroit, Mich. Form support. 1,658,041; Feb. 7.
- Curtin-Howe Corporation. (See Curtin, Leo P., assignor.)
- Curtin, Leo P., Freehold, N. J. Making alkali-metal hydroxide. 1,678,767; July 31.
- Curtin, Leo P., Freehold, N. J., assignor to Curtin-Howe Corporation. Preserving wood and solutions. 1,659,135; Feb. 14.
- Curtis Aeroplane & Motor Co. (See Wright, T. P., and Wait, assignors.)
- Curtis, Arthur P., assignor to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. Safety mechanism for bolt-action rifles. 1,673,666; June 12.
- Curtis, Arthur R., Cleveland, Ohio. Centrifugal extractor. 1,659,391; Feb. 14.
- Curtis, Arthur R., Cleveland, Ohio. Combined washer and extractor. 1,675,095; June 26.
- Curtis, Arthur R., assignor to C. J. Hays, Cleveland, Ohio. Metal-coating machine. 1,669,975; May 15.
- Curtis, Arthur R., Cleveland, Ohio. Support and bearing for gratifying shafts. 1,695,230; Dec. 11.

- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,673,042; June 12.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,675,096; June 26.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric-current transmission. 1,675,880; July 3.
- Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,680,667; Aug. 14.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective device. 1,688,038; Oct. 16.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine telegraph system. 1,689,328; Oct. 30.
- Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical testing. 1,690,280; Nov. 6.
- Curtis Companies. (See Madsen, Sern, assignor.)
- Curtis Corporation, The. (See Addison, Amos I., assignor.)
- Curtis, David W., Oakland, Calif. Clamping lid for containers. 1,696,388; Dec. 25.
- Curtis, Frederick C., London, England. Electrical heater. 1,687,858; Oct. 16.
- Curtis, George W., Boulder, Colo. Animal trap. 1,659,767; Feb. 21.
- Curtis, George W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Conveyor roller. 1,663,003; Mar. 20.
- Curtis, Harold P. (See Barrows, R. Y., and Curtis.)
- Curtis, Harry, Kemmerer, Wyo. Watch-jewel-setting polisher. 1,683,871; Sept. 11.
- Curtis, James B. (See Curtis, Walter V. and J. B.)
- Curtis, John F., Chicago, Ill., assignor to O. F. Jordan Company, East Chicago, Ind. Shaft coupling. 1,654,680; Jan. 3.
- Curtis, Joseph C. (See Davis, Francis L., assignor.)
- Curtis, Joseph T., New York, N. Y. Hat and making the same. 1,685,190; Sept. 25.
- Curtis, Leslie F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Oscillator spring. 1,690,569; Nov. 6.
- Curtis, Leslie F., assignor to American Bosch Magneto Corporation, Springfield, Mass. Illuminated dial. 1,690,670; Nov. 6.
- Curtis, Lewis E., Milwaukee, Wis., assignor to The Youngstown Pressed Steel Company. Expanded-metal lath. 1,655,091; Jan. 3.
- Curtis Lighting, Incorporated. (See Hotchkiss, Paul M., assignor.)
- Curtis Machine Corporation. (See Breed, Alfred V., assignor.)
- Curtis Manufacturing Company. (See Ackerman, Frank, assignor.)
- Curtis Manufacturing Company. (See Steedman, Edwin H., assignor.)
- Curtis & Marble Machine Company. (See Marble, Edwin H., assignor.)
- Curtis, Milton, Beckley, W. Va. Shade roller. 1,694,969; Dec. 11.
- Curtis, Oliver W., Watertown, N. Y. Milling machine. 1,659,462; Feb. 14.
- Curtis, Paul R., Braintree, Mass. Windshield cleaner. 1,657,916; Jan. 31.
- Curtis, Thomas S., Huntington Park, assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif. Heat treatment of alumina and other materials. 1,662,739; Mar. 13.
- Curtis, Thomas S., Huntington Park, assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif. Magnesia product and making the same. 1,690,771; Nov. 6.
- Curtis, Thomas S., Huntington Park, assignor, by mesne assignments, to The Vitreux Corporation, Los Angeles, Calif. Apparatus for heat treatment of materials. 1,696,794; Dec. 25.
- Curtis, Walter V., Davenport, Iowa, and J. B. Curtis, Chicago, Ill. Hog ring and the like. 1,678,558; July 24.
- Curtis, Will E., Evanston, Ill. Making cellular tubes. 1,671,351; May 29.
- Curtis, Will E., Evanston, Ill. Traction apparatus. 1,683,870; Sept. 11.
- Curtis, Zeenas A., Cimarron, N. Mex., assignor of one-eighth to M. S. Cook, Lansdowne, Pa. Alarm for automobiles. 1,694,842; Dec. 11.
- Curtiss Aeroplane & Motor Company. (See Beisel, R. B., and Gilmore, assignors.)
- Curtiss Aeroplane & Motor Company. (See Hathorn, C. E., and Reed, assignors.)
- Curtiss Aeroplane & Motor Company. (See Joyce, Temple N., assignor.)
- Curtiss Aeroplane & Motor Company. (See Vaughn, Stanley I., assignor.)
- Curtiss Aeroplane & Motor Company. (See Wait, William, Jr., assignor.)
- Curtiss, Glenn H., Hialeah, Fla. Automotive vehicle. 1,659,943; Feb. 21.
- Curtiss, Glenn H., Hialeah, Fla. Automotive vehicle. 1,682,324; Aug. 28.
- Curtiss, Howard C., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Ironing machine. 1,694,970; Dec. 11.
- Curtiss, John S. (See Johnson, Arthur E., assignor.)
- Curtiss, John S., El Paso, Tex. Tire spreader and tire iron. 1,672,060; June 5.
- Cusack, Thomas, Company. (See Ehnborn, Charles B., assignor.)
- Cushing, Tim, Bristow, Okla. Bull hitch. 1,660,258; Feb. 21.
- Cushman, Arthur W., Winnetka, assignor to Allied Packers, Inc., Chicago, Ill. Preparing smoked joint meats. 1,676,730; July 10.
- Cushman, Arthur W., Winnetka, assignor to Allied Packers, Inc., Chicago, Ill. Preparing smoked joint meats. 1,678,809; July 31.
- Cushman, Dexter A. (See Cox, E. R., and Cushman.)
- Cushwa, Charles E., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Pallet and making the same. 1,665,299; Apr. 10.
- Cusick, Margaret, Cotton, Minn. Electric knife. 1,658,884; Feb. 14.
- Cusin, Maurice, Decines, and P. A. A. Chevalet, Lux; said Cusin assignor to Société Lyonnaise de Soie Artificielle, Lyon, France. Preparation of a modified cellulose intended to be employed for the manufacture of cellulose acetates. 1,671,513; May 29.
- Cussen, Christine S., Chicago, Ill. Composition of matter and producing the same. 1,674,640; June 26.
- Custer, John, Detroit, Mich. Furnace. 1,668,585; May 8.
- Custer, Levitt L., Dayton, Ohio. Automatic starting and stopping device for motor-propelled vehicles. 1,675,165; June 26.
- Cutler, Clarence, W., Chicago, Ill. Eyeglasses. 1,676,819; July 10.
- Cutler, Clifford A., Buffalo, N. Y. Surface block. 1,664,737; Apr. 3.
- Cutler, David A., Wollaston, assignor to Alfred Hale Rubber Company, Atlantic, Mass. Shoe sole or analogous article. Des. 74,554; Feb. 28.
- Cutler, Frank W., Portland, Oreg. Conveyor. 1,686,519; Oct. 9.
- Cutler, Frank W., Portland, Oreg. (Spray washer. 1,694,734; Dec. 11.
- Cutler-Hammer Mfg. Co., The. (See Amon, Josef, assignor.)
- Cutler-Hammer Mfg Co., The. (See Baer, Walter O., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Barnum, Thomas E., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Barnum, T. E., and Wade, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Bonerz, Christopher A., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Cherry, Oscar A., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Cherry, O. A., and Chosa, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Chosa, Cletus F., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Coldwell, John S., assignor.)
- Cutler-Hammer Mfg. Company, The. (See Delaney, M. E., and Richardson, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Horton, Albert J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Hunter, Richard B., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Hunter, R. B., and Evans, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Hutton, U. O., and Schmidt, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Kurath, F., and Richardson, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Layman, F. E., and Richardson, assignors.)
- Cutler-Hammer Mfg. Co. (See Layman, F. E., Richardson, and Cherry, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Lockett, Ralph G., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Meuer, George J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Meyer, Friedrich W., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Nash, Clarence A., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Oberschmidt, Frederick H., assignor.)
- Cutler-Hammer Manufacturing Company. (See Oswald, Walter L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Packard, Horace N., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Pinkerton, Clarence S., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Radley, Guy R., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Reisbach, Gustave B., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Richardson, Linwood T., assignor.)

- Cutler-Hammer Mfg. Co., The. (See Rodman, Thomas H., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Russell, Frank J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Schmidt, Edwin X., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Seeger, Edwin W., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Simon, Arthur, assignor.)
- Cutler-Hammer Mfg. Co. (See Stevens, William C., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Stevens, W. C., and Simon, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Stockle, Erwin R., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wade, Henry N., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wiegand, Henry J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wiegand, H. J., and Packard, assignors.)
- Cutler, Herman Z., Camden, N. J. Increasing the strength of sheet-metal articles. 1,680,504; Aug. 14.
- Cutler, Peirce, Burlingame, assignor to E. J. Judge, Alameda, Calif. Filling container with preserving, flavoring, and condiment liquids. 1,683,241; Sept. 4.
- Cutler, William C., Glendale, assignor, by mesne assignments, to Selective Automatic Manufacturing Corporation, Los Angeles, Calif. Manually-selective vending machine. 1,686,795; Dec. 25.
- Cutter, George, Company. (See Townsend, John R., assignor.)
- Cutting, Charles D., Detroit, Mich. Universal joint. 1,670,612; May 22.
- Cutting, Charles D., Detroit, Mich. Universal joint. 1,672,484; June 5.
- Cutting, Charles D., Detroit, Mich. Lubricating device for universal joints. 1,673,399; June 12.
- Cutting, Charles D., Detroit, Mich. Universal joint. 1,693,593; Dec. 4.
- Cutting, Charles D., Detroit, Mich. Universal joint. 1,693,594; Dec. 4.
- Cutting, Herbert A., Detroit, Mich. Oil cooler and cleaner for internal-combustion engines. 1,659,136; Feb. 14.
- Cuyler, Frederick A., Rochester, assignor to O. W. Cuyler, Model City, N. Y. Can opener. 1,676,135; July 3.
- Cuyler, Otto W. (See Cuyler, Frederick A., assignor.)
- Cyclone Fence Company. (See Harter, Noah S., assignor.)
- "Cyklop" Akt. Ges. (See Staehle, Gustav, assignor.)
- Cynova, Andrew, Loup City, Nebr. Mechanical stripper. 1,661,599; Mar. 6.
- Cynthia Mills. (See English, Analdo M., assignor.)
- Cypser, Hugo F., Jersey City, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Indicator for elevators or the like. 1,691,798; Nov. 13.
- Czapek, Emil, and R. Weingand, Bomlitz, near Walsrode, Germany. Detaching hollow flexible bodies from their molds. 1,687,282; Oct. 9.
- Czerner, Severin F., Kings Mill, Tex. Fuel-tank-filling device. 1,673,348; June 12.
- Czock, Jacob H., Somerville, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Piston. 1,669,290; May 8.
- Czorboy, Mihaly S., et al. (See Molnar, Zoltan, assignor.)
- D. & B. Pump and Supply Company. (See Stevenson, Edward E., assignor.)
- D. Co., Inc. (See Davidson, Arthur C., assignor.)
- D. H. P. Manufacturing Company. (See Pierson, Benjamin J., assignor.)
- D. & R. Auto Products Company. (See Demand, Joseph, assignor.)
- D. R. S. Company. (See Darney, Harry W., assignor.)
- Da Costa, Arthur V., Providence, R. I. Fluid motor. 1,658,076; Feb. 7.
- Da Costa, Leo L., Irvington, N. J. Liquid-dispensing apparatus. 1,655,646; Jan. 10.
- Da Costa, Robert C. (See Rice, H. E., and Da Costa.)
- Daasch, Walter F., Davenport, Iowa. Jingling ball. 1,668,143; May 1.
- Dabelow, Martin. (See Philips, A., and Dabelow.)
- Dabrowski, Joseph M., Brooklyn, assignor to Moore Brothers Company, New York, N. Y. Liquid-soap dispenser. 1,677,750; July 17.
- Dacey, Edward J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jacquard mechanism for looms. 1,674,854; June 26.
- Dadant, Henry C., Hamilton, Ill. Reinforcement for bee combs and comb foundations. 1,674,501; June 19.
- Dadas, Theodore, et al. (See Ross, Theodore A., assignor.)
- Daddio, Pasquale, New York, N. Y. Vacuum cleaner. 1,689,580; Oct. 30.
- Daddisman, Reginald A. (See Barrymore, O. C., and Daddisman.)
- Daehn, Eugene O., Ripon, Wis. Lighter for gasoline lamps. 1,655,893; Jan. 10.
- Daellenbach, Carl R., assignor to R. E. Daellenbach, Ellwood City, Pa. Battery heater. 1,687,196; Oct. 9.
- Daellenbach, Raymond E. (See Daellenbach, Carl R., assignor.)
- Daemicke, Frank W., assignor to Paul J. Daemicke Company, Chicago, Ill. Display counter. 1,691,706; Nov. 13.
- Daemicke, Paul J., Company. (See Daemicke, Frank W., assignor.)
- Daggett, Frank B., St. Joseph, Mo. Building method. 1,655,676; Jan. 10.
- Daggy, Benjamin T., Richmond, Ind. Surgical apparatus. 1,682,266; Aug. 28.
- Dagley, Arlie D., Grand Rapids, Mich. Pastry-forming device. 1,657,299; Jan. 24.
- Dagrosa, Agustal, New York, N. Y. Window screen. 1,663,243; Mar. 20.
- Dahl, Arthur C., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Braking mechanism. 1,656,174; Jan. 17.
- Dahl, Berent O., Viroqua, Wis. Trap. 1,676,427; July 10.
- Dahl, Conrad, Springfield, Ohio, assignor of one-half to E. G. S. Tracy. Amusement swing. 1,680,970; Aug. 14.
- Dahl, Conrad, Chicago, Ill., assignor, by mesne assignments, of one-half to said Conrad Dahl, and one-half to E. G. S. Tracy, Cokato, Minn. Foot-power vehicle. 1,687,715; Oct. 16.
- Dahl, Conrad, et al. (See Dahl, Conrad, assignor.)
- Dahl, George B., Brooklyn, N. Y. Oil burner. 1,675,842; July 3.
- Dahl, George B., Brooklyn, N. Y. Oil burner. 1,675,843; July 3.
- Dahl, George H. M., Washington, D. C. Machine for making printers' rules and leads. 1,671,088; May 22.
- Dahl, Jack F., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk circuits. 1,681,520; Aug. 21.
- Dahl, John, Dallas, Tex. Self-sharpening rotary drill bit. 1,656,511; Jan. 17.
- Dahl, Oluf N., Exeter, Calif. Fruit-picking bucket. 1,657,152; Jan. 24.
- Dahl, Otto. (See Masing, G., and Dahl.)
- Dahl, Peter P., Junius, S. Dak. Glare shield. 1,671,180; May 29.
- Dahl, Valentine, Woodhaven, N. Y. Machine for making hollow concrete blocks and the like. 1,656,097; Jan. 10.
- Dahl, Valentine, Ozone Park, N. Y. Transmission device. 1,658,326; Feb. 7.
- Dahlberg, Arthur C., Geneva, N. Y., assignor, by mesne assignments, to the People of the United States of America. Manufacture of soft cheese. 1,661,601; Mar. 6.
- Dahlberg, Henry W., Denver, Colo. Cyclic process of using barium compounds in the manufacture of sugar. 1,688,071; Oct. 16.
- Dahlberg, Henry W., Denver, Colo. Recovering sucrose from mixtures containing reducing sugars. 1,686,440; Oct. 2.
- Dahlen, Charles A., assignor to The Klearfax Linen Looms, Inc., Duluth, Minn. Tufting needle. 1,674,855; June 26.
- Dahlgren, Charles J., East Orange, N. J. Buckle. 1,666,528; Apr. 17.
- Dahlgren, Charles J., East Orange, N. J. Buckle. 1,666,529; Apr. 17.
- Dahlgren, Bror E., Chicago, Ill. Bookrest. Des. 77,224; Dec. 18.
- Dahlman, Peter, Grandy, Minn. Potato picker and bagger. 1,682,554; Aug. 28.
- Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine system. 1,671,066; May 22.
- Dahlstrom, Alger. (See Chadwick, L. S., Resek, and Dahlstrom.)
- Dahlstrom, Frank P., assignor to Morgan Construction Company, Worcester, Mass. Mechanism for procuring and controlling the broadside movement of metal bars. 1,691,645; Nov. 13.
- Dahlstrom, Frank P., and C. L. Larson, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Rail bond. 1,675,750; July 3.
- Dahlstrom, John A. (See Resek, M., and Dahlstrom.)
- Dahlstrom, John A., East Cleveland, assignor to Perfection Stove Company, Cleveland, Ohio. Burner. Des. 74,663; Mar. 13.
- Dahlstrom, Walter F., Minneapolis, Minn. Paper weight or analogous article. Des. 75,220; May 22.
- Dahnke, George H., Benton Harbor, Mich. Traffic-controlling device. 1,665,157; Apr. 3.
- Dailey, Edward J., jr., assignor to Graybar Electric Company, Inc., New York, N. Y. Lighting fixture. 1,681,151; Aug. 14.
- Dailey, Frank L., assignor to Johnson & Johnson, New Brunswick, N. J. Sanitary receptacle for dental use. 1,659,315; Feb. 14.
- Dailey, James T., and J. J. Jackson, Kingwood, W. Va. Traffic signal for motor vehicles. 1,688,803; Oct. 23.
- Dailey, John F., Rochester, N. Y. Combined guiding, gauging, and timing device. 1,669,457; May 15.
- Dailey, Owen R., Davenport, assignor of one-fourth to C. C. Hazard, Scott County, Iowa. Toy top. 1,657,071; Jan. 24.
- Dailey, Roy R., and L. Vorhies, Colorado Springs, Colo. Hydraulic dredge. 1,668,671; May 8.
- Dailey, William H., Brooklyn, N. Y. Lawn mower. 1,662,849; Mar. 20.
- Daily, Roy L. (See Vale, Baldwin, assignor.)
- Daimler-Benz Aktiengesellschaft. (See Heess, A., and Schilling, assignors.)
- Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)

- Daimler, Karl, C. E. Müller, and H. Gärtner, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Producing resists on animal fibers. 1,668,144; May 1.
- Daimler, Karl, F. Just, and G. Balle, Höchst-on-the-Main, and S. Fuchs, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Disinfecting agent. 1,691,228; Nov. 13.
- Dain, Joseph, assignor to Deere and Company, Moline, Ill. Motor-propelled cultivator. 1,667,843; May 1.
- Dain Manufacturing Company of Iowa, The. (See Clausen, Leon R., assignor.)
- Daine, Robert L., New York, N. Y. Method and apparatus for indicating quotations or other items. 1,658,516; Feb. 7.
- Daine, Robert L., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Feeding tape. 1,664,772; Apr. 3.
- Daily, Eugene V., assignor to James B. Clow & Sons, Chicago, Ill. Radiator. 1,681,173; Aug. 21.
- Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
- Dake, Charles W. (See Bush, R. R., and Dake.)
- Dake, Charles W., Chicago, Ill. Gun-cleaning rod. 1,665,287; Apr. 10.
- Dake, Charles W., Chicago, Ill. Ball bearing. 1,665,448; Apr. 10.
- Dake, Charles W., Chicago, Ill. Fire extinguisher. 1,682,833; Sept. 4.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Distribution valve for steam engines and the like. 1,675,304; June 26.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Distribution valve for steam engines and the like. 1,675,305; June 26.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Distribution valve. 1,675,306; June 26.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Piston valve. 1,675,307; June 26.
- D'Albora, John, Yonkers, N. Y. Scouring implement. 1,677,174; July 17.
- Dalbey, George E., East Berlin, and T. P. Hanford, Berlin, assignors to The Stanley Chemical Company, East Berlin, Conn. Treating impure lead and lead alloys. 1,693,639; Dec. 4.
- Dalbey, George E., East Berlin, and T. P. Hanford, Berlin, assignors to The Stanley Chemical Company, East Berlin, Conn. Treating impure lead. 1,693,640; Dec. 4.
- Dalbey, George E., East Berlin, and T. P. Hanford, Berlin, assignors to The Stanley Chemical Company, East Berlin, Conn. Treating mixtures containing alkali salts of certain metals. 1,693,641; Dec. 4.
- Dalbey, George E., East Berlin, and T. P. Hanford, Berlin, assignors to The Stanley Chemical Company, East Berlin, Conn. Treating metallic particles. 1,693,642; Dec. 4.
- Dalbey, Harvey O., sr., Oakland, Calif. Electric broiler. 1,690,570; Nov. 6.
- Dalby-Balls, Arthur H. (See Salmons, G., and Dalby-Balls.)
- Dale, Ferris F., and I. W. Grace, Martinborough, New Zealand. Water-heating system. 1,680,014; Aug. 7.
- Dale, Josephine E., Greenfield, Mo. Dental set. 1,657,458; Jan. 31.
- Dale, Robert B. (See McClain, T. H., and Dale.)
- Dale, Robert B., and A. M. Henry, assignors, to M. J. Gordon, New York, N. Y. Dog-racing apparatus. 1,655,259; Jan. 3.
- Dalén, Gustaf, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Railway-crossing signal. 1,680,767; Aug. 14.
- Dalén, Gustaf, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Electric flash-light apparatus. 1,692,629; Nov. 20.
- Dalet, Frank H., New York, N. Y. Oscillation-control circuits. 1,681,102; Aug. 14.
- Daley, Daniel M., assignor of one-half to J. H. Shea, Lackawanna, N. Y. Automatic train-stopping apparatus. 1,667,457; Apr. 24.
- Daley, Michael T. (See Booty, Philip C. P., assignor.)
- Daley, Raymond E. J., Schenectady, N. Y., assignor to General Electric Company. Sound-producing apparatus. 1,688,804; Oct. 23.
- D'Alfonso, Alex C., Santa Barbara, Calif. Cabinet latch. 1,692,248; Nov. 20.
- Dalheimer, Walther. (See Shepherd, R., and Dalheimer.)
- Dall, James R., et al. (See Nill, Edward A., assignor.)
- Dallan, Roy M., Fort Dodge, Iowa. Liner block for cement sewer pipes. 1,683,025; Sept. 4.
- Dallas, Charles D., Chicago, Ill. Lightning rod. 1,666,326; Apr. 17.
- Dällenbach, Walter, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Hot-wire vacuum meter. 1,668,106; May 1.
- Dallmann Machine and Manufacturing Co. (See Mueller, T. G., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt, assignors.)
- Dallmann, Paul O. (See Mueller, T. G., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt.)
- Dallmann, Robert G. (See Ruetz A., and Dallmann.)
- Dallmann, William C. (See Mueller, T. G., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt.)
- Dallugge, Rudolph A. (See Morley, Joseph, assignor.)
- Dally, Ovid L., Cleveland, Ohio. Aerial vessel. 1,665,533; Apr. 10.
- Dallyn, Frederick A. (See De Laporte, A. V., Dallyn, and Manuel.)
- D'Alo, John, assignor to A. F. Bernard, Providence, R. I. Automatic strap tightener. 1,692,079; Nov. 20.
- Daloz, Gaston. (See Constantin, L., and Daloz.)
- Daloze, René, Uccle, Brussels, Belgium. Producing pure lead carbonate from crude lead sulphate. 1,691,841; Nov. 13.
- Dalrymple, James M., Tulsa, Okla. Checker-game board. 1,679,652; Aug. 7.
- Dalrymple, William P., Chicago, Ill. Semaphoric indicator. 1,686,735; Oct. 9.
- Dalrymple, William P., assignor, by mesne assignments, to Gorlen Company, Inc., Chicago, Ill. Automobile radiator cap. 1,694,771; Dec. 11.
- Dalton, George A., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Flexible coupling. 1,668,586; May 8.
- Dalton Hosiery Mills. (See Williams, James C., assignor.)
- Dalton, Hubert, Stamford, Conn. Lathe headstock. 1,663,828; Mar. 27.
- Dalton, Hubert, Stamford, Conn. Curtain holder. 1,666,408; Apr. 17.
- Dalton, Hubert, Stamford, Conn. Curtain holder. 1,666,409; Apr. 17.
- Dalton, Hubert, Stamford, Conn. Curtain holder. 1,666,410; Apr. 17.
- Dalton, John T., assignor of one-half to R. H. Wright, Durham, N. C. Bag making and filling machine. 1,688,268; Oct. 16.
- Dalton, Raymond S., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet conveyer and delivery mechanism. 1,672,846; June 5.
- Dalton, William, Glenville, N. Y. Railroad-track structure. 1,657,240; Jan. 24.
- Dalton, William, Glenville, N. Y. Railroad-track structure. 1,657,241; Jan. 24.
- Dalton, William, Glenville, N. Y. Railroad-track structure. 1,657,242; Jan. 24.
- Dalton, William, Glenville, N. Y. Railroad-track structure. 1,666,688; Apr. 17.
- Dalton, William, Glenville, N. Y. Railway roadbed. 1,694,313; Dec. 4.
- Dalton, William H., Salem, Mass. Electric toaster. 1,680,768; Aug. 14.
- Daly, Arnold E., Mather, Manitoba, Canada. Dirigible headlight for automobiles. 1,664,162; Mar. 27.
- Daly, John A., New Rochelle, N. Y. Cleaning and burnishing metallic powders. 1,681,521; Aug. 21.
- Daly, John F., et al. (See Kenworthy, Byron R. and R. R., assignors.)
- Daly, John F., et al. (See Kenworthy, Robert R., assignor.)
- Daly, John J. (See Shopneck, Henry P., assignor.)
- Daly, Joseph P. (See Socia, A. J., and Daly.)
- Daly, Joseph P., assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing-machine mechanism. 1,656,664; Jan. 17.
- Daly, Joseph P., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Burn guard for pressing machines. 1,659,191; Feb. 14.
- Daly, Joseph P., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pad for pressing machines. 1,673,316; June 12.
- Daly, Joseph P., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,682,372; Aug. 28.
- Daly, Thomas H., Dalton, Mass. Tractor scoop. 1,673,866; June 19.
- Daly, Wilfrid A., Yonkers, N. Y., and E. L. Dunn, East Orange, N. J., assignors to Otis Elevator Company, Jersey City, N. J. Switching mechanism. 1,686,683; Oct. 9.
- Dam, Henry M. R., Astoria, assignor to J. Block, Brooklyn, N. Y. Electric battery. 1,673,400; June 12.
- Dam, Henry M. R., Queens Village, assignor to J. Block, Brooklyn, N. Y. Electric battery. 1,673,401; June 12.
- Dam, Henry M. R., Astoria, N. Y., assignor to Premo Electric Corporation. Electric battery and manufacturing battery cells. 1,673,402; June 12.
- Dam, Henry M. R., Astoria, N. Y., assignor to Premo Electric Corporation. Electric battery cell. 1,673,403; June 12.
- Damard Lacquer Company Limited, The. (See Potter, H. V., and Crump, assignors.)
- Dambach, Edward, Co., The. (See Dambach, Ralph A., assignor.)
- Dambach, Ralph A., assignor to The Edward Dambach Co., Evans City, Pa. Adjustable mantel shelf. 1,683,168; Sept. 4.
- Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Crank-shaft-twisting machine. 1,680,769; Aug. 14.
- Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Loading and unloading attachment for tractors. 1,693,335; Nov. 27.
- Damgaard, Niels P., Copenhagen, Denmark. Float valve. 1,692,289; Nov. 20.
- D'Amico, Angelo, and A. L. Greenberg, Stockton, Calif. Toothbrush. 1,682,325; Aug. 28.

- Damm, Arvid G., Ronninge, Sweden. Electric apparatus. 1,663,624; Mar. 27.
- Damm, Walter, assignor to J. E. Crandall, Paterson, N. J. Adjustable curtain support. 1,681,522; Aug. 21.
- Damoff, Steve, Hammond, Ind. Educational toy. 1,659,810; Feb. 21.
- Damon, John H., assignor to Plymouth Cordage Company, Plymouth, Mass. Twine package and its manufacture. 1,682,777; Sept. 4.
- Damon, William H. (See Bailey, Daniel, assignor.)
- Dampney Company of America, The. (See Moore, C. F., and Stubbs, assignors.)
- Damrow Brothers Company. (See Damrow, Edward C., assignor.)
- Damrow, Edward C., assignor to Damrow Browers Company, Fond du Lac, Wis. Measuring apparatus for whey and the like. 1,656,049; Jan. 10.
- Damush, Joseph C., Shenandoah, Pa. Windshield-wiper heater. 1,691,842; Nov. 13.
- Dan, John. (See Stone, C. W., Bumbaugh, and Dan.)
- Dan, Duncan, Marblehead, Mass. Heating system. 1,694,001; Dec. 4.
- Dana, Fred A. (See Heslewood, William R., assignor.)
- Dana, Leslie, St. Louis, Mo., assignor to Charter Oak Stove & Range Company. Domestic range. Des. 75,014; May 1.
- Danbury Unbreakable Tool Corporation, The. (See Stolle, John W., assignor.)
- Dance, Clifford C., Denver, Colo. Nozzle casing for suction cleaners. Des. 74,555; Feb. 28.
- Dancker, Johann E., and W. A. Schultz, assignors to Bates Valve Bag Company, Chicago, Ill. Tube-feeding method and apparatus. 1,657,568; Jan. 31.
- Danckwardt, Paul, La Junta, Colo. Recovering aluminum chloride from sludge. 1,665,406; Apr. 10.
- Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Box or similar article. Des. 75,097; May 8.
- Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Bottle or similar container. Des. 75,152; May 15.
- Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Bottle or similar container. Des. 76,665; Oct. 23.
- Danco, Leon A., Rockville Center, N. Y., assignor to McKesson & Robbins, Incorporated, Bridgeport, Conn. Tray or similar article. Des. 76,735; Oct. 30.
- Dane, Ralph H., Portland, Me. Fender-guard plate. 1,665,492; Apr. 10.
- Danel, Herman. (See Grimoin-Sanson, R., and Danel.)
- Danforth, George L., jr., assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth furnace. 1,665,086; Apr. 3.
- Dangel, Louis. (See Saint Ogan, Alain, assignor.)
- Dangel, M. W., et al. (See Moore, Clifton E., assignor.)
- Dangel, W. H., et al. (See Moore Clifton E., assignor.)
- D'Angelo, Carmelo T., Buffalo, N. Y. Display stand. Des. 76,856; Nov. 13.
- Daniel, Earle H., Springfield, assignor to H. E. Pearce, Kenton, Ohio. Corn-husking machine. 1,663,266; Mar. 20.
- Daniel, Earle H., Springfield, assignor to R. W. Johnston, Johnston, Columbus, Ohio. Leveling device for plows. 1,688,615; Oct. 23.
- Daniel, Royal G., Denver, Colo., assignor to The Underwood Typewriter Company, New York, N. Y. Silencing attachment for typewriters. 1,654,922; Jan. 3.
- Daniel, Royal G., Denver, Colo., assignor to The Underwood Typewriter Company, New York, N. Y. Silencing appliance for writing machines. 1,656,268; Jan. 17.
- Daniel, William A., Neenah, Wis. Tank filling and venting means. 1,655,312; Jan. 3.
- Daniel, William H., Spokane, Wash. Toy aeroplane. 1,682,267; Aug. 28.
- Daniels, Addison L., and F. H. Booge, Sioux City, Iowa; said Booge assignor to said Daniels. Stirring spoon. 1,654,965; Jan. 3.
- Daniels, Anthony, Newark, N. J. Sealing containers. 1,691,707; Nov. 13.
- Daniels, Charles W., and J. M. Carpenter, assignors of one-third to M. M. Payne and W. G. Flournoy, Henryetta, Okla. Double-acting pump. 1,658,517; Feb. 7.
- Daniels, D., et al., trustees. (See Burgess, Lysle P., assignor.)
- Daniels, D., et al., trustees. (See Gray, Jesse L., assignor.)
- Daniels, Elmer A., Berwyn, and H. S. Snell, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Hardening resinous exudations with a guanidine. 1,673,803; June 19.
- Daniels, Elmer A., Berwyn, and H. S. Snell, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hardening resinous exudations with an aldehyde. 1,673,804; June 19.
- Daniels, Elmer A., Berwyn, and H. S. Snell, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hardening resinous exudations with aminonaphthalene. 1,673,805; June 19.
- Daniels, Elmer A., Berwyn, and H. S. Snell, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Hardening resinous exudations with an aromatic secondary amine. 1,673,806; June 19.
- Daniels, Elmer A., Berwyn, and H. S. Snell, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hardening of resinous exudations by the use of a heterocyclic compound. 1,673,807; June 19.
- Daniels, Elmer A., Berwyn, and H. S. Snell, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hardening resinous exudations with an organic compound. 1,673,808; June 19.
- Daniels, Ernest S., Washington, D. C. Joist and rafter suspension bracket. 1,657,243; Jan. 24.
- Daniels, Ernest S., West Point, Va. Parquet-floor panels. 1,660,480; Feb. 28.
- Daniels, Fred C. T., and W. H. McCausland, Bethlehem, Pa., assignors to Bethlehem Steel Company. Chill mold. 1,658,835; Feb. 14.
- Daniels, Fred C. T., and W. H. McCausland, Bethlehem, Pa., assignors to Bethlehem Steel Company. Molding apparatus. 1,658,836; Feb. 14.
- Daniels, Fred H., assignor to Sanford Riley Stoker Company, Worcester, Mass. Ash-discharge mechanism for mechanical stokers. 1,662,237; Mar. 13.
- Daniels, Gilbert M., Yakima, Wash. Furnace and boiler. 1,670,931; May 22.
- Daniels Health Table Company. (See Daniels, M., and Wood, assignors.)
- Daniels, Lee G., Rockford, Ill. Water-softener valve mechanism. 1,671,672; May 29.
- Daniels, Lee G., Rockford, Ill., assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Multiple-spindle machine. 1,664,374; Mar. 27.
- Daniels, Melville, and A. J. Wood, assignors to Daniels Health Table Company, Grand Rapids, Mich. Neuro-pathic health table. 1,693,810; Dec. 4.
- Daniels, Samuel, and G. J. Himmelein, Dayton, Ohio. Mold. 1,664,452; Apr. 3.
- Daniels, Valentine, Erie, Ill. Cultivator blade. 1,654,681; Jan. 3.
- Danielson, Albert J., Los Angeles, Calif. Folding umbrella. 1,671,411; May 29.
- Danielson, Charles, Minneapolis, Minn. Sadiron support. 1,657,917; Jan. 31.
- Danielson, Charles, Minneapolis, Minn. Iron holder for ironing tables. 1,659,427; Feb. 14.
- Danielson, Edna, Berkeley, Calif. Powder puff. Des. 74,968; Apr. 24.
- Danielson, Edna S., Berkeley, Calif. Spray. 1,675,257; June 26.
- Danielson, Ernest G., San Francisco, Calif. Variable condenser. 1,677,020; July 10.
- Danielsson, Axel U. S., Ulfunda, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Fuel atomizer for internal-combustion engines. 1,657,372; Jan. 24.
- Danielsson, Axel U. S., assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Fuel-distributing device for multicylinder engines. 1,657,373; Jan. 24.
- Danier, Charles, assignor to Syndicat Franco-Neerlandais, Paris, France. Renewing of india rubber and chiefly of that which is contained in the covers of worn-out pneumatic tires. 1,656,694; Jan. 17.
- Däniker, Alfred, Zurich, Switzerland. Temperature regulator. 1,677,710; July 17.
- Danis, Benjamin G., Dayton, Ohio. Apparatus for molding concrete floors. 1,670,243; May 15.
- Danks, Alfred C., Cleveland, Ohio. Baffle for steam drums. 1,669,602; May 15.
- Danley, Dayton H., Lebanon, Ind. Acetylene-gas generator. Re16,849; Jan. 10.
- Danley, Warren E., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. High-frequency filament-heating means. 1,677,021; July 10.
- Danly Machine Specialties, Inc. (See Danly, Philo H., assignor.)
- Danly, Philo H., assignor to Danly Machine Specialties, Inc., Chicago, Ill. Drawing template for die sets. 1,696,149; Dec. 18.
- Dann, Charles H., Brookfield, Ill. Lamp bracket. 1,657,153; Jan. 24.
- Dann, Walter M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radiator. 1,685,937; Oct. 2.
- Dann, Walter M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Indicating device. 1,685,938; Oct. 2.
- Dann, Walter M., and L. H. Hill, Sharon, and E. F. Sipher, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Tap-changer system. 1,695,886; Dec. 18.
- Danna, Frank P., assignor of one-third to H. J. Lamson, Plaquemine, La. Storage battery. 1,663,193; Mar. 20.
- Danna, Salvatore A. (See Plowman, Arthur S., assignor.)
- Dannell, Arthur G., assignor to Elektromatik Forging Machine Corporation, New York, N. Y. Electrical heating and forming means. 1,693,271; Nov. 27.
- Dannell, Arthur G., assignor to Elektromatik Forging Machine Corporation, New York, N. Y. Electrical heating and forming method. 1,692,488; Nov. 20.
- Dannenbaum, Walter, Frankfurt, assignor to Pacific Nitrogen Corporation, Philadelphia, Pa. Obtaining argon. 1,658,631; Feb. 7.
- Danner, Edward, Toledo, Ohio. Method and apparatus for forming figured glassware. 1,674,856; June 26.
- D'Ans, Jean, Berlin, and F. Sommer, Charlottenburg-Berlin, Germany. Preparing titanic oxide from titanic ores. 1,655,940; Jan. 10.

- Dansereau, Omer J., Claremont, N. H., assignor to Sullivan Machinery Company. Broaching machine. 1,669,403; May 8.
- Dansereau, Omer J., Claremont, N. H., assignor to Sullivan Machinery Company. Broaching machine. 1,669,404; May 8.
- Dansereau, Omer J., Claremont, N. H., assignor to Sullivan Machinery Company. Broaching machine. 1,669,405; May 8.
- Dantsizen, Christian, Schenectady, N. Y., assignor to General Electric Company. Resistance unit. 1,696,596; Dec. 25.
- Dantzic, Tobias, assignor to The Computing-Tabulating-Recording Company, New York, N. Y. Computing scale. 1,668,950; May 8.
- Dantzier, Olin M., Greenwood, S. C. Envelope sealer. 1,691,469; Nov. 13.
- Danville, Frank F., Gloversville, N. Y. Cigarette case. 1,689,324; Aug. 14.
- Danz, Emil, New York, N. Y. Flowerpot holder. Des. 77,225; Dec. 18.
- Danziger, Harold I., assignor to Condenser Corporation of America, New York, N. Y. Condenser rack. 1,666,044; Apr. 10.
- Danziger, Harold I., and C. L. Wachter, New York, N. Y. Sound reproducer. 1,693,223; Nov. 27.
- Danziger, Leonard, New York, N. Y. Portfolio. 1,663,335; Mar. 20.
- Daprato Statuary Company. (See Mariotti, Joseph J., assignor.)
- Dapron, Joseph M., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,657,526; Jan. 31.
- Daradice, Michael. (See Nagy, Louis, assignor.)
- Darby, Edward A., Philadelphia, Pa. Golf-bag rack. 1,688,412; Oct. 23.
- Darby, Frederick, Chicago, Ill. Locomotive tender. 1,691,381; Nov. 13.
- Darby, James K., Dayton, assignor to F. C. Trowbridge, Hamilton, Ohio. Paper-making machine. 1,679,854; Aug. 7.
- Darby, James K., assignor of one-third to L. C. Stoltz, Dayton, Ohio. Electric motor-winding machine. 1,692,114; Nov. 20.
- Darby, John, Philadelphia, Pa., and C. W. Old, Montclair, assignors, by mesne assignments, to Shur Loc Elevator Safety Corporation, Newark, N. J. Elevator. 1,667,068; Apr. 24.
- Darby, John, Summit, assignor, by mesne assignments, to Shur Loc Elevator Safety Corporation, Newark, N. J. Elevator. 1,667,069; Apr. 24.
- Darby, William J., Modesto, Calif. Adjustable merchandise sales table. 1,688,003; Oct. 16.
- D'Arcangelo, Donato. (See Hill, Clarence M., assignor.)
- D'Arche, Oswald E., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Controlling means for burners. 1,673,404; June 12.
- Darco Corporation. (See Holt, Joseph H., assignor.)
- Darco Sales Corporation. (See Lewis, George C., assignor.)
- D'Arcy, Frank P., Kalamazoo, Mich. Border-wire construction and attaching clip for same. 1,665,534; Apr. 10.
- Dardelet, Hugues L., Nantes, assignor to Societe Francaise de Filetage Indesserable D. D. G., Paris, France. Tight-holding bolt and nut. 1,657,244; Jan. 24.
- D'Ardenne, Walter H., Philadelphia, Pa. Heater. 1,678,059; July 24.
- D'Ardenne, Walter H., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Punching machine. 1,663,443; Mar. 20.
- D'Ardenne, Walter H., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Machine for making automobile doors. 1,693,643; Dec. 4.
- D'Ardenne, Walter H., Lawndale, J. O. Landis, Fox Chase, and L. H. Christensen, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Work holder for welding. 1,683,762; Sept. 11.
- Dardis, John M. (See Bowen, D. R., Dardis, and Farrell.)
- Dare, Lewis A., Seattle, Wash. Hospital indicating casing. Des. 74,556; Feb. 28.
- Dargavel, James B., St. Paul, Minn. Humidifier for cigar cases. 1,676,943; July 10.
- Dargavel, James B., St. Paul, Minn. Schedule indicator. 1,689,818; Oct. 30.
- Darius, Charles A. (See Cone, A. I., and Darius.)
- Darley, William S. (See Weldon, William B., assignor.)
- Darling, Alan G., Schenectady, N. Y., assignor to General Electric Company. Load-control system. 1,670,063; May 15.
- Darling, Earl B., Kansas City, Mo. Drier. 1,668,632; May 8.
- Darling, Elton R., Decatur, Ill., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Manufacture of high-grade apple juice. 1,659,086; Feb. 14.
- Darling, Frank L., Long Beach, Calif. Crimped-cap opener. 1,664,595; Apr. 3.
- Darling, Jay, Williamsport, Ind. Machine for cutting openings for fasteners in metal sheets to be used as forms for making concrete fenceposts. 1,667,196; Apr. 24.
- Darling, Leon G., Boise, Idaho. Smoking pipe. 1,658,286; Feb. 7.
- Darlington, Jay E., Belding, Mich. Windshield heater. 1,656,473; Jan. 17.
- Darlington, George W., San Pedro, Calif. Polish. 1,689,864; Oct. 30.
- Darlo Company. (See Parker, Samuel D., assignor.)
- Darlo Company. (See Pike, Albert, assignor.)
- Darnis, Cosmas, assignor to American World Cue Tip Holder Co., Philadelphia, Pa. Billiard-cue-tip holder. 1,694,375; Dec. 11.
- Darnstadt, Peter, W. Stegmann, and V. Weil, Fechenheim, near Frankfurt-on-the-Main, assignors to the firm Drahtindustrie Peter Darmstadt & Co., G. m. b. H., Frankfurt-on-the-Main, Germany. Drawing ring for wire-drawing machines. 1,688,159; Oct. 16.
- Darmstadt, Peter, W. Stegmann, and V. Weil, Fechenheim, near Frankfurt-on-the-Main, assignors to the firm Drahtindustrie Peter Darmstadt & Co. G. m. b. H., Frankfurt-on-the-Main, Germany. Multiple-wire-drawing machine for drawing fine wires from suitable material. 1,693,224; Nov. 27.
- Darney, Harry W. (See Meyers, F. B., and Darney.)
- Darney, Harry W., assignor to D. R. S. Company, Baltimore, Md. Cigarette-fire snuffer. 1,658,885; Feb. 14.
- Darr, Earl A., et al., executors. (See Kraft, Henry P.)
- Darragh, Edwin E., New York, N. Y. Display box. 1,674,953; June 26.
- Darrah, Charles W., Duluth, Minn. Piston. 1,668,672; May 8.
- Darrah, William A., Chicago, Ill. Thermocouple. 1,667,142; Apr. 24.
- Darrah, William A., Chicago, Ill. Apparatus for heat application. 1,689,379; Oct. 30.
- Darrow, Burgess, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Wheel mounting. 1,676,820; July 10.
- Darrow, William W. (See Beauchamp, W. A., and Darrow.)
- Darrow, William W. (See Fehr, E. J., and Darrow.)
- Darrow, William W. (See Tobin, K. J., and Darrow.)
- Darrow, William W. (See Wasberg, A., and Darrow.)
- Darst, George H. (See Orth, W. G., and Darst.)
- Dary, Samuel, Guthrie, Okla. Milk-can-washing machine. 1,661,602; Mar. 6.
- D'Ascanio, Corradino. (See Trojani, P., and D'Ascanio.)
- Dasen, Paul, Ottosen, Ia., assignor to H. J. Dorweiler, Hemel, Minn. Clearing guard for planter shoes. 1,696,192; Dec. 25.
- D'Asseler, Jules, Ghent, Belgium. Wind motor. 1,670,099; May 15.
- Dath, Charles E., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,680,284; Aug. 14.
- Datson, Roy G., Chicago, Alaska. Stenogauge. 1,687,429; Oct. 9.
- Dau, Frank. (See Snyder, Harry L., assignor.)
- Daubek, Georg, et al. (See Mislin, Eugen, assignor.)
- Daubek, Joseph F., et al. (See Mislin, Eugen, assignor.)
- Daubner, George H., Oak Park, assignor to Yellow Cab Manufacturing Company, Chicago, Ill. Locking means for hub caps. 1,674,097; June 19.
- Daudelin, Jean B., Fall River, Mass. Thread guide for shuttles and the like. 1,690,531; Nov. 6.
- Daudt, Herbert W. (See Calcott, W. S., and Daudt.)
- Dauger, Alfred B. and R. M., Sacramento, Calif. Framing tool. 1,686,441; Oct. 2.
- Dauger, Ruth M. (See Dauger, Alfred B. and R. M.)
- Daugert, Peter, Wilkes-Barre, H. Frey, Kingston, and J. J. Dunleavy, Plymouth, Pa., assignors to Hess, Goldsmith & Co., Inc., New York, N. Y. Steaming crate. 1,677,355; July 17.
- Daugert, Peter, Wilkes-Barre, H. Frey, Kingston, and J. J. Dunleavy, Plymouth, Pa. Bracket for thread cleaners. 1,687,546; Oct. 16.
- Daughaday, Frank P., Norton, Mass. Belt buckle. Des. 76,380; Sept. 25.
- Daugherty, Gilbert H., assignor to The Waddell Company, Greenfield, Ohio. Show case. 1,673,105; June 12.
- Daum, Herbert A., Indianapolis, Ind. Reversing gearing for dishwashing machines. 1,657,821; Jan. 31.
- Daum, Herbert A., Indianapolis, Ind. Key-milling machine. 1,664,354; Mar. 27.
- Daumann, Karl W., assignor to C. H. F. Müller Röntgenröhrenfabrik, Hamburg, Germany. Vacuum tube for the production of soft X rays. 1,688,854; Oct. 23.
- Daumann, Wilhelm, assignor to C. H. F. Müller, Röntgenröhrenfabrik, Hamburg, Germany. Electron tube. 1,658,478; Feb. 7.
- Daumann, Wilhelm, assignor to C. H. F. Müller, Röntgenröhrenfabrik, Hamburg, Germany. Vacuum discharge apparatus. 1,684,947; Sept. 18.
- Daun, Carl L., assignor to Sicoek Airadiator Corporation, Milwaukee, Wis. Electric motor and dynamo machine. 1,677,433; July 17.
- Daun, Carl L., and P. E. Keller, assignors, by mesne assignments, to American Electric Motor Company, Milwaukee, Wis. Bearing. 1,683,608; Sept. 11.
- Daun, Carl L., assignor, by mesne assignments, to American Electric Motor Company, Milwaukee, Wis. Producing integral bar windings in the rotors of electric motors. 1,695,799; Dec. 18.
- Daun, Carl L., and P. E. Keller, assignors, by mesne assignments, to Splittorf Electric Company of Wisconsin, Milwaukee, Wis. Removable stator for electric motors. Re17,128; Nov. 6.

- Dauphinee, George S., assignor to The Cooling Tower Co., Inc., New York, N. Y. Air filter. 1,674,764; June 26.
- Dauplaise, Noah L., South Manchester, Conn., assignor to N. L. Jarvis, Palmer, Mass. Power-stopping device. Re17,065; Aug. 14.
- Dautch, Jacob. (See Brock, H., and Dautch.)
- Dauvillier, Alexandre, Paris, France. Television process and means of realization. 1,661,603; Mar. 6.
- Davènes, Emile, Sierra Madre, Calif. Blower brush. 1,668,357; May 1.
- Davenport, Arthur E., assignor to Oil Products Appliance Company, Maywood, Ill. Apparatus for dispensing liquids. 1,671,814; May 29.
- Davenport, George L., Jr., Los Angeles, Calif. Radiant-heater attachment. 1,682,038; Aug. 28.
- Davenport, George R., Royal Oak, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,660,599; Feb. 28.
- Davenport, Herman A. (See Winkley, E. E., and Davenport.)
- Davenport, James T., Galesburg, Ill. Adjustable plow and shovel. 1,686,961; Oct. 9.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Heat engine. Re17,078; Sept. 11.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Transforming heat. 1,659,681; Feb. 21.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Process of and apparatus for heat transfer. 1,659,682; Feb. 21.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Transforming heat and controlling working substances. 1,680,453; Aug. 14.
- Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Apparatus for producing thermodynamic effects. 1,680,454; Aug. 14.
- Davenport, Walter D., Kaufman, Tex. Valve guide. 1,655,894; Jan. 10.
- Davey, Cecilia E., Culver City, Calif. Doll. Des. 76,666; Oct. 23.
- Davey, James A., Sound Beach, Conn., P. H. Davey and C. L. Gaugler; said Gaugler assignor to The Davey Tree Expert Company, Kent, Ohio. Air compressor. Re16,872; Feb. 7.
- Davey, James A., Sound Beach, Conn., P. H. Davey and C. L. Gaugler, Kent, said Gaugler assignor of his one-third to The Davey Tree Expert Company, Kent, Ohio. Wood-cutting apparatus. 1,682,268; Aug. 28.
- Davey, James A., Sound Beach, Conn., and P. H. Davey and C. L. Gaugler; said Gaugler assignor of one-third of his entire interest to The Davey Tree Expert Company, Kent, Ohio. Air compressor. 1,685,150; Sept. 25.
- Davey, James A. G. (See Davey, Paul H., assignor.)
- Davey, James A. G. (See Davey, P. H., and Williams, assignors.)
- Davey, Paul H. (See Davey, J. A. and P. H., and Gaugler.)
- Davey, Paul H., Kent, Ohio, assignor of one-half to J. A. G. Davey, Sound Beach, Conn. Treatment of trees. 1,657,918; Jan. 31.
- Davey, Paul H., and W. R. Williams, Kent, Ohio; said Davey assignor of one-fourth to J. A. Davey, Sound Beach, Conn.; said Williams assignor to The Davey Tree Expert Company, Kent, Ohio. Applying threaded bracing rods to trees. 1,685,151; Sept. 25.
- Davey Tree Expert Company, The. (See Davey, J. A. and P. H., and Gaugler, assignor.)
- David, Albert, assignor, by mesne assignments, to Dip-It, Inc., New York, N. Y. Dyeing composition. 1,687,751; Oct. 16.
- David, Aubrey D., assignor to The Universal Oil Products Company, Chicago, Ill. Method and apparatus for treating petroleum oil. 1,655,596; Jan. 10.
- David, Aubrey D., assignor to The Universal Oil Products Company, Chicago, Ill. Converting petroleum oils. 1,688,855; Oct. 23.
- David, Michel, Jemeppe sur Meuse, Belgium. Grinding and mixing apparatus. 1,679,241; July 31.
- David, Tanous H., Sacramento, Calif. Wheeled massaging device. 1,663,975; Mar. 27.
- Davidson, Alexander R., Edmonton, Alberta, Canada. Phonograph-record-rotating mechanism. 1,675,697; July 3.
- Davidson, Arthur C., Bronxville, assignor to D. Co., Inc., New York, N. Y. Treatment of alloy steel. 1,680,937; Aug. 14.
- Davidson, Charles L., New York, N. Y. Soot and sifting ejector for ballers. 1,665,625; Apr. 10.
- Davidson, Charles L., New York, N. Y. Soot-blower apparatus for steam boilers. 1,677,751; July 17.
- Davidson, Claude W. (See Wiegner, S. P., Davidson, and Gordon.)
- Davidson, George F., Shortlands, England. Pneumatic tire. 1,678,211; July 24.
- Davidson, Glenn. (See Laucks, I. F., and Davidson.)
- Davidson, Isidor L., and E. L. Norris, Richmond, Va. Pocket atomizer. 1,674,160; June 19.
- Davidson, James B., assignor of one-half to J. H. Stoner, Logan, Iowa. Chain fastener. 1,656,776; Jan. 17.
- Davidson, James L., Los Angeles, Calif. Counter wall or partition. 1,671,232; May 29.
- Davidson, James M. (See Adams, R., Davidson, and Gubelmann.)
- Davidson, John A., Glendale, N. Y. Perforating and scoring attachment for printing presses. 1,663,294; Mar. 20.
- Davidson, Joseph G., Yonkers, N. Y., assignor to Carbide and Carbon Chemicals Corporation, Compositions containing cellulose derivatives. 1,693,746; Dec. 4.
- Davidson, Joseph J., Duluth, Minn. Transmission gear. 1,670,403; May 22.
- Davidson, Leo R., and H. F. Rahl, Sturgis, Mich. Ball cock. 1,693,691; Dec. 4.
- Davidson, Margaret, Philadelphia, Pa. Lady's hat. 1,667,415; Apr. 24.
- Davidson, Morris, Malden, Mass. Bidet. 1,659,725; Feb. 21.
- Davidson, Verna E., Detroit, Mich. Burglar net. 1,675,166; June 26.
- Dayie, John L., Oakland, Calif. Fireplace. 1,672,115; June 5.
- Davies, Albert W., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Rotary engine and the like. 1,694,208; Dec. 4.
- Davies, Arthur H. (See Thomas, J., and Davies.)
- Davies, David G., and F. T. Rundell, Morgantown, W. Va. Mechanical sheet and tin-plate catcher. 1,692,888; Nov. 27.
- Davies, David R. (See Coates, W. A., and Davies.)
- Davies, David R. (See Coates, W. A., Gittins, and Davies.)
- Davies, George E. (See Benn, W. E., and Davies.)
- Davies, Henry R., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Electrical system. 1,668,056; May 1.
- Davies, W. Sanders, et al., trustees. (See Davis, Kenneth, assignor.)
- Davies, W. Sanders, et al., trustees. (See Peale, Richard, assignor.)
- Davies, William. (See Bollmann, A. C., and Davies.)
- Davies, William P., Jamaica, N. Y. Wrecking frog. 1,656,621; Jan. 17.
- Davis and Son Manufacturing Company, The. (See Davis, Harold G., assignor.)
- Davis, Albert, and A. A. Sherer, Dayton, Ohio, assignors, by mesne assignments, to said Sherer. Metallic shelving. 1,656,868; Jan. 17.
- Davis, Albert G., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,658,672; Feb. 7.
- Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Manufacture of stencil sheets. 1,665,580; Apr. 10.
- Davis, Alfred U., Baltimore, Md., assignor to Davis Instrument Manufacturing Company, Incorporated. Blast magneto. 1,680,261; Aug. 7.
- Davis, Allen, Jr., assignor to The Clno Chemical Products Company, Cincinnati, Ohio. Bottle-supporting gasket and air filter. 1,658,227; Feb. 7.
- Davis, Anthony E., Philadelphia, Pa. Tree holder. 1,695,275; Dec. 18.
- Davis, Archibald H., Jr., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Current induction. 1,680,595; Aug. 14.
- Davis, Archibald H., Lincoln, Nebr. Sash or store-front construction. 1,694,002; Dec. 4.
- Davis, Archibald H., Lincoln, Nebr. Sash, door, or store-front construction. 1,694,003; Dec. 4.
- Davis, Arthur F. (See Boggs, W. B., and Davis.)
- Davis, Arthur G. (See Albee, W. H., and Davis.)
- Davis, Augustine, Jr. (See Betts, Arthur L., assignor.)
- Davis, Augustine, Jr. (See Pierce, E. M., and Carroll, assignors.)
- Davis, Augustine, Jr. (See Shield, Paul S., assignor.)
- Davis, Augustine, Jr., Cincinnati, Ohio. Welded tank. 1,656,427; Jan. 17.
- Davis, Augustine, Jr., Covington, Ky. Vehicle tank. 1,661,324; Mar. 6.
- Davis, Augustine, Jr., Cincinnati, Ohio. End structure for tanks. 1,689,329; Oct. 30.
- Davis, Bemiss N., New Orleans, La. Machine for loading and unloading ships. 1,666,995; Apr. 24.
- Davis Boring Tool Company. (See Davis, Emery E., assignor.)
- Davis Brick Machinery Company. (See McClelland, William H., assignor.)
- Davis, Charles A., Seattle, Wash. Pressure siphon. 1,675,534; July 3.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,664,666; Apr. 3.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,676,428; July 10.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,676,429; July 10.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose materials. 1,680,938; Aug. 14.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,686,127; Oct. 2.
- Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing company, Chicago, Ill. Scraper-loading device. 1,686,147; Oct. 2.

- Davis, Charles E., Davenport, Fla., assignor to Goodman Manufacturing Company, Chicago, Ill. Scraper. 1,686,148; Oct. 2.
- Davis, Charles E., and G. Engel, assignors to E. P. Fox, Liberal, Kans. Fixture for rolling-awning frames. 1,670,190; May 15.
- Davis, Charles P., Elizabeth, N. J., and G. B. Frost, Kingston, Ontario, Canada, assignors to American Cyanamid Company, New York, N. Y. Making alkali cyanides. 1,672,449; June 5.
- Davis, Charles T., assignor to Davis & Geck, Inc., Brooklyn, N. Y. Surgical needle. 1,695,887; Dec. 18.
- Davis, Clark W., Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing aromatic amines. 1,663,476; Mar. 20.
- Davis, Clark W., Swarthmore, Pa. and G. B. Taylor, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Contact-screen holder. 1,696,528; Dec. 25.
- Davis, Claud, Washington, D. C. Helicopter. 1,668,052; May 1.
- Davis, Cleveland G., Grand Rapids, Mich. Device for forming ice-cream bricks from molds. 1,664,667; Apr. 3.
- Davis, David, Newport, Ky. Railway rail. 1,670,879; May 22.
- Davis, David C., Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company. Blade lashing. 1,673,937; June 19.
- Davis, David C., Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company. Thrust-collar equalization. 1,689,195; Oct. 30.
- Davis, Dean W., Villa Park, assignor to Robertson-Davis Company, Chicago, Ill. Transformer. 1,673,062; June 12.
- Davis, Dean W., Elmhurst, assignor to L. New, Greenfield, Ind. Catalytic agent in storage battery. 1,694,530; Dec. 11.
- Davis, Donald C., Williamsville, N. Y. Hardness-testing device. 1,661,718; Mar. 6.
- Davis, Edwin W., Cloquet, Minn., assignor to Wood Conversion Company. Elastic insulating material. 1,672,639; June 5.
- Davis, Emery E., assignor to Davis Boring Tool Company, St. Louis, Mo. Expansion reamer. 1,674,890; June 26.
- Davis, Erby P., J. C. Ross, and M. E. Smith, New Castle Hundred, Del. Pasteurization of milk. 1,686,227; Oct. 2.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Dashpot construction. 1,660,744; Feb. 28.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Drying-room tumbler. 1,664,809; Apr. 3.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Power mechanism for pressing machines. 1,670,763; May 22.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressure adjusting and indicating means for pressing machines. 1,673,817; June 12.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 1,679,815; Aug. 7.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Mechanical movement for pressing machines. 1,680,729; Aug. 14.
- Davis, Ernest, Chicago, Ill., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Toggle mechanism. 1,682,373; Aug. 28.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Equalizing mechanism for pressing machines. 1,682,488; Aug. 28.
- Davis, Ernest, assignor to The Prosperity Company, Incorporated, Syracuse, N. Y. Heat-distributing means. 1,683,607; Sept. 11.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing-machine element. 1,684,819; Sept. 18.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing apparatus. 1,686,312; Oct. 2.
- Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Drying-room tumbler. 1,687,971; Oct. 16.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressure control for pressing machines. 1,688,918; Oct. 23.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Drying-room tumbler. 1,688,919; Oct. 23.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine. 1,688,920; Oct. 23.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism or mechanical movement for pressing machines. 1,691,646; Nov. 13.
- Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Mechanical movement. 1,696,628; Dec. 25.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,675,451; July 3.
- Davis, Ernest W., Oak Park, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,676,386; July 10.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,679,855; Aug. 7.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Valve. 1,682,891; Sept. 4.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,684,946; Sept. 18.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Swivel coupling. 1,685,351; Sept. 25.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,690,058; Oct. 30.
- Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Coupling. 1,690,216; Nov. 6.
- Davis, Florence P., executrix. (See Horne, John F.)
- Davis, Francis C., Toronto, Ontario, Canada. Lubricating device. 1,661,749; Mar. 6.
- Davis, Francis L., Bothell, assignor of one-half to J. C. Curtis, King County, Wash. Book cover. Des. 74,664; Mar. 13.
- Davis, Frank, Brooklyn, N. Y. Circuit closer for electric alarms. 1,657,459; Jan. 31.
- Davis, Frank M., Los Angeles, Calif. Door hanger. 1,670,880; May 22.
- Davis, Frank O. (See Ditsch, W., and Davis.)
- Davis, Fred D., Duncan, Okla. Fishing tool for oil wells. 1,680,596; Aug. 14.
- Davis, Freeman and L., Centerville, Iowa. Amalgamator. 1,666,121; Apr. 17.
- Davis & Furber Machine Company. (See Howes, Irving C., assignor.)
- Davis & Furber Machine Company. (See Rockwell, S. F., and Randall, assignors.)
- Davis & Furber Machine Co. (See Stevenson, Henry J., assignor.)
- Davis, G. M., Regulator Company. (See Davis, George C., assignor.)
- Davis & Geck, Inc. (See Davis, Charles T., assignor.)
- Davis, George, Newark, N. J. File-cutting machine. 1,659,020; Feb. 14.
- Davis, George C., assignor to G. M. Davis Regulator Company, Chicago, Ill. Gas-relief valve. 1,676,889; July 10.
- Davis, George C., Lansing, assignor to General Motors Corporation, Detroit, Mich. Runningboard bolt. 1,680,015; Aug. 7.
- Davis, Guy F., Schenectady, N. Y., assignor to General Electric Company. Recording system. 1,685,667; Sept. 25.
- Davis, Hamilton L., Martinsburg, W. Va., assignor to The Interwoven Mills, Inc., New Brunswick, N. J. Circular-knitting machine. 1,665,255; Apr. 10.
- Davis, Harold G., assignor to The Davis and Son Manufacturing Company, Denver, Colo. Oil-dispensing device. Ref. 1,168; Dec. 25.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Stop motion for twisters. 1,657,431; Jan. 24.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Filling-end clearer. 1,657,432; Jan. 24.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. 1,662,000; Mar. 6.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Let-off for terry looms. 1,666,872; Apr. 17.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,670,283; May 15.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Cop skewer for automatically replenishing shuttles. 1,671,067; May 22.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Leno motion for looms. 1,687,363; Oct. 9.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Loom-stopping mechanism. 1,687,471; Oct. 9.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,693,776; Dec. 4.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Cross-weaving loom. 1,695,010; Dec. 11.
- Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Cloth-cutting attachment for looms. 1,696,155; Dec. 18.
- Davis, Harry E., Jersey City, N. J. Device for spraying hydrocarbon fuel. 1,694,209; Dec. 4.
- Davis, Henry A., Jeffersonville, Ind. Liquid-fuel burner. 1,676,080; July 3.
- Davis, Henry F., and J. D. Reid, Honolulu, Hawaii. Game indicator. 1,689,865; Oct. 30.
- Davis, Henry K. B., New York, N. Y., assignor of one-half to H. J. Walter Bradford, Pa. Golf-swing corrector. 1,655,092; Jan. 3.
- Davis, Herbert L. (See Glidden, A. A., Ellis, and Davis.)
- Davis, Homer J., Wilmington, Del. Spool or bobbin. 1,662,238; Mar. 13.
- Davis Instrument Manufacturing Company. (See Davis, Alfred U., assignor.)
- Davis, Irene A., Newburgh, N. Y. Direction signal for motor vehicles. 1,656,144; Jan. 10.

- Davis, Isadore, assignor to Interlocking Shingle Co., Des Moines, Iowa. Roofing element. 1,681,975; Aug. 28.
- Davis, James G., Buffalo, N. Y. Foldable horse for trestle beams. 1,685,668; Sept. 25.
- Davis, James H., and A. H. Valentine, assignors to Moraine Products Company, Dayton, Ohio. Briquetting apparatus. 1,679,408; Aug. 7.
- Davis, James J., Pittsburgh, Pa., assignor to The Loyal Order of Moose, Mooseheart, Ill. Emblematic cap. Des. 75,153; May 15.
- Davis, James L., Adrian, Mo. Brake attachment for motor vehicles. 1,676,136; July 3.
- Davis, Jasper N., Denver, Colo. Storage-battery plate. 1,685,215; Sept. 25.
- Davis, Jasper N., Denver, Colo. Process and machine for the manufacture of storage-battery plates. 1,690,887; Nov. 6.
- Davis, Jay A. (See Burns, E. G., and Davis.)
- Davis, John A., Los Angeles, Calif., assignor to Oversewing Machine Company. Binding books. 1,658,518; Feb. 7.
- Davis, John B., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid-dispensing apparatus. 1,656,050; Jan. 10.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dispensing pump. 1,658,117; Feb. 7.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fill box. 1,680,770; Aug. 14.
- Davis, John H., Boston, Mass. Liquid-dispensing device. 1,684,171; Sept. 11.
- Davis, John H., assignor to Renaud et Cie. of America, Boston, Mass. Jar or similar container. Des. 75,221; May 22.
- Davis, John H., Chicago, Ill., assignor to C. O. Hadley, Philadelphia, Pa. Check-perforating machine. 1,689,995; Oct. 30.
- Davis, John P., and S. Heiman, St. Louis, Mo.; said Davis assignor to said Heiman. Machine for producing post-office classification slips. 1,685,352; Sept. 25.
- Davis, John W. (See Tolman, R. C., De Baufre, Davis, and Roberts.)
- Davis, Julie M., Memphis, Tenn. Ironing board and table. 1,664,355; Mar. 27.
- Davis, Kenneth, Ebensburg, Pa., assignor to R. Peale, St. Benedict, Pa.; W. S. Davies, New York, N. Y.; and W. S. Wallace, Philadelphia, Pa., trustees. Mining machine. 1,662,455; Mar. 13.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to R. Peale, W. S. Davies, and W. S. Wallace, trustees. Mechanism for disintegrating dislodged material. 1,682,555; Aug. 28.
- Davis, Kenneth, St. Benedict, Pa., assignor to R., R., and R. Peale, jr., trustees. Mining machine. 1,682,556; Aug. 28.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to R. Peale, W. S. Davies, and W. S. Wallace, trustees. Mining machine. 1,682,557; Aug. 28.
- Davis, Kenneth, assignor to R., R., and R. Peale, jr., trustees. St. Benedict, Pa. Cable-driving mechanism. 1,689,996; Oct. 30.
- Davis, Kenneth, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Mechanism and process for separating intermixed divided materials. 1,695,369; Dec. 18.
- Davis, Lawrence V., deceased, South Bend, Ind.; American Trust Co., administrator. Roller skate. 1,673,405; June 12.
- Davis, Lee I., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system for elevators. 1,680,771; Aug. 14.
- Davis, Lee I., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system for elevators. 1,686,684; Oct. 9.
- Davis, Lewis H., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Clutch. 1,673,867; June 19.
- Davis, Lewis R., San Francisco, Calif. Piston. 1,678,768; July 31.
- Davis, Loyd. (See Davis, Freeman and L.)
- Davis, Mansell A., Waukegan, Ill. Bed-bottom fabric. 1,694,094; Dec. 4.
- Davis, Marion J., Brinkley, Ark. Railway mail-bag crane. 1,665,056; Apr. 3.
- Davis, Marvin B., Kansas City, Mo., assignor to G. Krell, Sapulpa, Okla. Pipe clamp. 1,654,866; Jan. 3.
- Davis, Marvin B., Kansas City, Mo., assignor to G. Krell, Sapulpa, Okla. Clamping device for oil-well pipes. 1,669,401; May 8.
- Davis, Marvin B., Kansas City, Mo., assignor to G. Krell, Sapulpa, Okla. Pipe clamp. 1,693,478; Nov. 27.
- Davis, Marvin B., Kansas City, Mo., assignor to G. Krell, Sapulpa, Okla. Apparatus for gripping pipes, rods, or the like. 1,693,502; Nov. 27.
- Davis, Merritt J., assignor to Hammond Bag & Paper Co., Wellsburg, W. Va. Valve-forming device for paper bags. 1,674,502; June 19.
- Davis, Myron P., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Cutting oil and producing same. 1,689,011; Oct. 23.
- Davis, Nathan H., Philadelphia, Pa., assignor to Keystone Lantern Company. Child's vehicle. 1,683,872; Sept. 11.
- Davis, Norman C., Perth Amboy, N. J., assignor, by mesne assignments, to General Cable Corporation. Stranded sector-shaped conductor. 1,691,921; Nov. 20.
- Davis, Norman C., Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y. Stranded sector-shaped conductor. 1,692,767; Nov. 20.
- Davis, Oliver L., Glen Ridge, assignor to Joseph Walker Co., Irvington, N. J. Composition of matter for transfer designs. 1,688,117; Oct. 16.
- Davis, Patrick H., Leonia, N. J. Pump. 1,665,686; Apr. 10.
- Davis, Pearl C. (See Seymour, Clarence E. and J. D., and Davis.)
- Davis, R. B., Company. (See Euler, George C., assignor.)
- Davis, R. B., Company. (See Thornton, Ernest W., assignor.)
- Davis, Ralph S., Knoxville, Tenn. Lamp. 1,658,973; Feb. 14.
- Davis, Ray L., et al. (See Powell, Dalton U., assignor.)
- Davis, Raymond H., J. Milewski, and M. Maloney, Cleveland, Ohio. Paneled wall facing. 1,661,168; Mar. 6.
- Davis, Richard M., West Pittston, Pa. Deflector for gasoline-hose nozzles. 1,685,313; Sept. 25.
- Davis, Richard M., West Pittston, Pa. Bottom margin spacer for typewriters. 1,685,314; Sept. 25.
- Davis, Robert, and I. Tapman, Brooklyn, N. Y. Shoe shank. 1,695,996; Dec. 18.
- Davis, Robert E., Fort Payne, Ala. Vest. 1,656,145; Jan. 10.
- Davis, Robert L. (See Little, D. G., and Davis.)
- Davis, Robert L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company Vacuum-tube circuits. 1,656,098; Jan. 10.
- Davis, Robert L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio system. 1,671,466; May 29.
- Davis, Robert L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Modulation meter. 1,671,467; May 29.
- Davis, Robert R., assignor, by mesne assignments, of one-half to G. C. Albers and one-half to J. D. Young, St. Louis Mo. Reaming tool. 1,666,926; Apr. 24.
- Davis, Robert W., Ozone Park, assignor to himself and Z. Littman, New York, N. Y. Resilient support. 1,678,034; July 24.
- Davis, Robert W., assignor to himself and Z. Littman, New York, N. Y. Vehicle spring. 1,678,035; July 24.
- Davis, Roy P. M. (See McClelland, William H., assignor.)
- Davis, Samuel H. (See Paul, Stephen, assignor.)
- Davis, Sewell, and A. La Fon, assignors to Polly Wiggin, Inc., Newark, N. J. Can opener. 1,678,244; July 24.
- Davis, Simon. (See Engle, E. S., and Davis.)
- Davis, Simon E., assignor to Neustadter Bros., San Francisco, Calif. Detachable pocket. 1,655,895; Jan. 10.
- Davis, Stewart A., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Tinning apparatus. 1,663,444; Mar. 20.
- Davis, Stewart A., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Tin plate. 1,663,445; Mar. 20.
- Davis, Thomas C., Greeley, Colo. Pressure-controlling means for wringer rolls. 1,678,849; July 31.
- Davis, Thomas M. (See Troger, A. M., and Davis.)
- Davis, Thomas M., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Selective signaling system. 1,683,127; Sept. 4.
- Davis, Trevalyn, and L. E. Gardt, Cincinnati, Ohio. Switch and signaling device. 1,655,759; Jan. 10.
- Davis, Victor L. (See Olin, J. M., Davis, and Smith.)
- Davis, W. A., et al. (See Burress, John R., assignor.)
- Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Feed hopper. 1,660,549; Feb. 28.
- Davis, Walter T., Wheeling, W. Va., assignor to Wheeling Stamping Company. Tube forming and handling mechanism. 1,674,467; June 19.
- Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Cap-applying means for tube-working machines. 1,678,463; July 24.
- Davis-Warner Arms Corporation, The. (See Murphy, John J., assignor.)
- Davis, William, St. Louis, Mo., assignor of one-half to Italian Swiss Colony, San Francisco, Calif. Safety plug. 1,684,911; Sept. 18.
- Davis, William, Chicago, Ill. Auxiliary fuel and cleaning device for internal-combustion engines. 1,685,598; Sept. 25.
- Davis, William A., Malden, assignor to Babcock-Davis Corporation, Boston, Mass. Staff and mounting therefor. 1,665,535; Apr. 10.
- Davis, William C., jr., Jasper, Ala. Electric safety switch. 1,655,313; Jan. 3.
- Davis, William C., jr., Jasper, Ala. Safety switch system. 1,684,618; Sept. 18.
- Davis, William E., et al. (See Long, Wilber L., assignor.)
- Davis, William T., Buckner, Va. Coop. 1,673,736; June 12.
- Davison, Allen S., Company. (See Mayer, Albert P., assignor.)
- Davison, Dorsett A., Richmond, Va. Internal-combustion engine. 1,684,434; Sept. 18.
- Davison, Dorsett A., Richmond, Va. Internal-combustion engine. 1,684,435; Sept. 18.

- Davison, Frank G., Caurbridge, assignor, by mesne assignments, to A. H. Parker, Lexington, Mass. Can-cover hinge. 1,686,736; Oct. 9.
- Davison, Lawrence, Edmon, assignor of one-fourth to W. Goudy and one-fourth to D. H. Slonaker, Avonmore, Pa. Guard bracket for electric wires. 1,676,944; July 10.
- Davol, George, deceased, San Francisco, Calif., P. C. Katz, administrator. Locomotive. 1,665,910; Apr. 10.
- Davol, George K., deceased, San Francisco, Calif., P. C. Katz, administrator. Form of internal-combustion engine. 1,656,884; Jan. 17.
- Davol, George K., San Francisco, Calif., assignor to C. A. Brown, Hinsdale, Ill. Internal-combustion engine. 1,691,182; Nov. 13.
- Davol Kubber Company. (See Raiche, Paul A., assignor.)
- Davoran, Michael F., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial casket. 1,689,188; Oct. 23.
- Davy, Lynden N., Cheyenne, Wyo. Zero-resetting device. 1,692,293; Nov. 20.
- Daw, Joseph, Quebec, Canada, assignor to Brown Company, Berlin, N. H. Material-handling device. 1,678,382; July 24.
- Daw, Joseph, Quebec, Quebec, Canada, assignor to Brown Company, Berlin, N. H. Blade construction. 1,694,410; Dec. 11.
- Dawe, Arthur L., Montreal, Quebec, Canada. Paper-calendering device. 1,679,711; Aug. 7.
- Dawe, Arthur S. J., Baltimore, Md. Ink-supplying means for printing presses. 1,690,888; Nov. 6.
- Dawes, Willard C., Bozeman, Mont. Wheeled invalid chair. 1,668,493; May 1.
- Dawley, Clarence A., Plainfield, N. J. Meter. 1,679,293; July 31.
- Dawley, Clarence A., Plainfield, N. J. Flow meter. 1,679,776; Oct. 30.
- Dawley, Clarence A., Plainfield, N. J. Flow meter. 1,682,602; Aug. 28.
- Dawley, James C., assignor to The Joyce-Cridland Company, Dayton, Ohio. Lifting jack. 1,681,283; Aug. 21.
- Dawley, James C., C. D. Derby, and A. G. Kilian, assignors to The Joyce-Cridland Company, Dayton, Ohio. Lifting jack. 1,691,382; Nov. 13.
- Dawley, James S., New York, N. Y. Display device. 1,680,016; Aug. 7.
- Dawsey, Sanford M., Dothan, Ala. Packing and storing vessel. 1,675,258; June 26.
- Dawson, Aaron G. (See Langton, E. W., and Dawson.)
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Westminster, England. Ammunition-loading apparatus for ordnance. 1,656,727; Jan. 17.
- Dawson, Arthur T., and George T. Buckham, assignors to Vickers Limited, Westminster, London, England. Recoil and run-out apparatus for ordnance. 1,681,325; Aug. 21.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, Broadway, Westminster, England. Recoil and run-out apparatus for ordnance. 1,685,910; Oct. 2.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Fuse-setting device for projectiles. 1,687,644; Oct. 16.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, London, England. Gun mounting and traveling carriage therefor. 1,693,692; Dec. 4.
- Dawson, Arthur T., and G. T. Buckham, Westminster, London, England, assignors to United States Ordnance Company, Washington, D. C. Ordnance breech mechanism. 1,695,728; Dec. 18.
- Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Breech-loading ordnance. 1,695,841; Dec. 18.
- Dawson, Arthur T., G. T. Buckham, and J. F. White, Westminster, assignors to Vickers Limited, London, England. Recoil and run-out apparatus for ordnance. 1,690,281; Nov. 6.
- Dawson, Arthur T., G. E. Watt, and A. L. Perham, assignors to Vickers Limited, Westminster, London, England. Means for use in the laying of ordnance. 1,695,483; Dec. 18.
- Dawson, Axel G., Jamestown, N. Y. Frame and sash construction. 1,691,868; Nov. 13.
- Dawson, Cecil F., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Flexible container and facilitating the filling thereof. 1,668,053; May 1.
- Dawson, Clarence N. (See Dawson, Isaac L., C. N., and R. W.)
- Dawson, Elma N. (See Dawson, James C., assignor.)
- Dawson, Elma R., et al. (See Strickland, Clarence E., assignor.)
- Dawson-Evans Construction Co., The. (See Rankin, Ollie W., assignor.)
- Dawson, George H., Boston, Mass., and H. F. Frease, Canton, Ohio. Trussed structure. 1,663,673; May 8.
- Dawson, George H., Boston, Mass., and H. F. Frease, Canton, Ohio. Trussed structure. 1,685,353; Sept. 25.
- Dawson, George H., Boston, assignor to Service Bureau Inc., Cambridge, Mass. Index guide card. 1,690,889; Nov. 6.
- Dawson, Haller H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Drinking glass. Des. 76,667; Oct. 23.
- Dawson, Haller H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Drinking glass. Des. 76,668; Oct. 23.
- Dawson, Haller H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Drinking glass. Des. 76,669; Oct. 23.
- Dawson, Haller H., Clarksburg, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Drinking glass. Des. 76,670; Oct. 23.
- Dawson, Isaac L., C. N., and R. W., Lawrence, Kans. Grain shocker. 1,693,595; Dec. 4.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,662,303; Mar. 13.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Temporary binder ring and making the same. 1,675,299; June 26.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Wis. Apparatus for making binder rings. 1,675,300; June 26.
- Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose-leaf binder. 1,675,301; June 26.
- Dawson, Joseph W., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Loading device. 1,680,325; Aug. 14.
- Dawson, Joseph W., and J. L. Herold, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. 1,655,941; Jan. 10.
- Dawson, Raymond W. (See Dawson, Isaac L., C. N., and R. W.)
- Dawson, Vernon B., and I. B. Penton, Wilmington, Del. Gripping and pulling implement. 1,682,956; Sept. 4.
- Dawson, Wilfred, London, England. Electric lamp. 1,661,928; Mar. 6.
- Dawson, William H. (See Needham, D. H., Pearson, and Dawson.)
- Day, Charles, Fort Smith, Ark. Timer brush. 1,675,925; July 3.
- Day, Charles M., Kirkwood, and C. J. Scullin, St. Louis, Mo. Furnace for reduction of iron. 1,694,376; Dec. 11.
- Day, Clayton L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Container. 1,670,024; May 15.
- Day, David T., deceased, Washington, D. C.; F. J. Goble, administrator. Extracting the oily bases from crude shale oil. 1,685,315; Sept. 25.
- Day-Fan Electric Company. (See Brump, Herbert L., assignor.)
- Day, George H., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,665,911; Apr. 10.
- Day, Harold K. (See Day, John W. and H. K.)
- Day, Harry V. (See Harvey, R., and Day.)
- Day, J. H., Company, The. (See Kirchhoff, William G., assignor.)
- Day, J. H., Company, The. (See Moores, Joel, assignor.)
- Day, J. H., Company, The. (See Schiff, Sigmund, assignor.)
- Day, Jack L., and E. L. Deschler, Sacramento, Calif. Antirattling device for automobile doors. 1,684,662; Sept. 18.
- Day, James A., assignor to O. B. Wise, Knoxville, Tenn. Feed mill. 1,663,495; Mar. 20.
- Day, John W. and H. K., Pocatello, Idaho. Combined water bag and food cooler. 1,696,138; Dec. 18.
- Day, Morgan R., assignor Rubber Latex Research Corporation, Boston, Mass. Stabilized latex and producing same. 1,689,581; Oct. 30.
- Day, Percy C., assignor to The Falk Corporation, Milwaukee, Wis. Power unit. 1,657,245; Jan. 24.
- Day, Ray E., Seattle, Wash. Aluminum-alloy piston. 1,670,956; May 22.
- Day, Salisbury M., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Indication for color-light signals. 1,680,971; Aug. 14.
- Day, Salisbury M., assignor to General Railway Signal Company, Rochester, N. Y. Support for light signals. 1,682,693; Aug. 28.
- Day, Thomas, Company. (See Kestell, Philip, assignor.)
- Day, Thomas, Company. (See Symmes, Whitman, assignor.)
- Day, Thomas, Company. (See Symmes, W., Harman, and Duval, assignors.)
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Index or file leaf. 1,667,538; Apr. 24.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Index or file. 1,667,539; Apr. 24.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,675,331; July 3.
- Day, William H., East Haven, Conn., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Index or file. 1,695,322; Dec. 18.
- Day, William P., Cleveland Heights, Ohio. Shock absorber. 1,672,203; June 5.
- Day, William P., Cleveland Heights, Ohio. Rail support. 1,682,665; Aug. 28.
- Day, William P., Cleveland Heights, Ohio. Rail support. 1,682,666; Aug. 28.
- Daya, Werner, Berlin-Halensee, Germany. Railway signal apparatus. 1,677,816; July 17.
- Day-Brite Reflector Company. (See Biller, David J., assignor.)

- Dayes, Frederick E., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Throttle control for carburetors. 1,665,407; Apr. 10.
- Day-Fan Electric Company, The. (See Marvel, Orin E., assignor.)
- Daymond, Melville P. (See Fulton, C. V., and Daymond.)
- Dayton, Albert E., and J. V. Carlsen, Pocatello, Idaho. Claw bar. 1,692,722; Nov. 20.
- Dayton, Arthur W., Newark, Ohio. Grate. 1,685,939; Oct. 2.
- Dayton, Clarence W., Milton, N. Y., assignor of one-half to W. A. Greene, Grafton, Mass. Driving attachment for auxiliary mechanism on tractors. 1,657,994; Jan. 31.
- Dayton Engineering Laboratories, The. (See Chryst, William A., assignor.)
- Dayton Funhouse & Riding Device Mfg. Company, The. (See Vaszin, Aurel, assignor.)
- Dayton Irrigation Company, The. (See Keys, John H., assignor.)
- Dayton, James M., Torrington, Conn. Quick-acting gate valve. 1,681,468; Aug. 21.
- Dayton, James M., Torrington, Conn. Intermittent ball clutch. 1,684,172; Sept. 11.
- Dayton Malleable Iron Company, The. (See Runyan, William B., assignor.)
- Dayton Malleable Iron Company, The. (See Walkley, Frank H., assignor.)
- Dayton Manufacturing Company, The. (See Burt, Benjamin F., assignor.)
- Dayton Pump & Manufacturing Company, The. (See Eickmeyer, Earl E., assignor.)
- Dayton Pump & Manufacturing Company, The. (See Eickmeyer, E. E., and Jones, assignors.)
- Dayton Scale Company. (See Berger, Christian, assignor.)
- Dayton Scale Company. (See Bryce, James W., assignor.)
- Dayton Scale Company. (See Craig, Robert, assignor.)
- Dayton Scale Company. (See Gilbert, William N., assignor.)
- Dayton Scale Company. (See Gullberg, Roy K., assignor.)
- Dayton Scale Company. (See Hopkinson, Joseph, assignor.)
- Dayton Scale Company. (See Ogsbury, James S., assignor.)
- Dayton Scale Company. (See Rogers, Joseph E., assignor.)
- Dayton Scale Company. (See Strachan, Thomas H., assignor.)
- Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
- Dayton Steel Racquet Company, The. (See Larned, William A., assignor.)
- Dayton Stencil Works Company, The. (See Schierloh, Jerry H., assignor.)
- Dayton-Wright Company. (See Carlson, Alexander, assignor.)
- Dayton-Wright Company. (See Geyer, H. D., and Clark, assignors.)
- Dayton-Wright Company. (See Pettingell, F. A., and Carlson, assignors.)
- Dazey Churn & Manufacturing Co. (See Jankowski, John F., assignor.)
- Dazey Churn & Manufacturing Company. (See Killman, Thomas A., assignor.)
- Deacon, George B., Los Angeles, Calif. Shooting game. 1,684,577; Sept. 18.
- Deagan, J. C., Inc. (See Deagan, John C., assignor.)
- Deagan, J. C., Inc. (See Little, Frederick B., assignor.)
- Deagan, John C., assignor to J. C. Deagan, Inc., Chicago, Ill. Sound-producing instrument. 1,686,602; Oct. 9.
- Deahl, Roy M. (See Goldstein, F. W., and Deahl.)
- Deak, Michael. (See Déri, S., and Deak.)
- Deakin, Gerald, Antwerp, Belgium, assignor, by mesne assignments, to Western Electric Company, Incorporated. Timing device. 1,661,249; Mar. 6.
- Deakins, Grover C. (See Wilson, W. W., Deakins, and Shull.)
- Deakins, Grover C., Anaheim, Calif. Pump valve. 1,687,008; Oct. 9.
- Deal, Leroy S., Glen Ellyn, Ill. Paperhanger's pasteboard. 1,674,320; June 19.
- Deale, Robert C. (See Blood, H. L., and Deale.)
- Deale, Robert C., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Switch structure. 1,660,865; Feb. 28.
- Deale, Robert C., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Magnetic shunt for dynamo-electric machines. 1,680,731; Aug. 14.
- Deale, Robert C., and N. Marcalus, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Control system. 1,671,544; May 29.
- Deale, Robert C., and R. H. Rausch, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Control system. 1,680,730; Aug. 14.
- Dean, Arthur L. (See Dean, Winton A. and A. J.)
- Dean, Charles L. (See Buck, James W., assignor.)
- Dean, Clayton C., Mundelein, Ill. Billiard cue. 1,604,971; Apr. 3.
- Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 1,609,291; May 8.
- Dean, Emmet A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical insulator. 1,654,534; Jan. 3.
- Dean Hill Pump Company. (See Schleyer, Victor, assignor.)
- Dean, Horace, assignor of one-half to T. Lloyd, Laurier, Manitoba, Canada. Hook. 1,696,077; Dec. 18.
- Dean, James H., Ludington, Mich., assignor to Northwestern Expanded Metal Company, Chicago, Ill. Method and apparatus for slitting metal sheets. 1,664,247; Mar. 27.
- Dean, Marcus, Aitkin, Minn. Governor throttle. 1,668,145; May 1.
- Dean, Michael F., Indianapolis, Ind. Print or film holder. 1,685,584; Sept. 25.
- Dean-Minnick Steel Wheel Company. (See Minnick, Frederick L., assignor.)
- Dean, Peter F., New Canaan, Conn. Valve. 1,672,603; June 5.
- Dean, Peter P., New Canaan, Conn. Valve. 1,694,809; Dec. 11.
- Dean, Reginald S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Hardenable alloy. 1,674,959; June 26.
- Dean, Reginald S., La Grange, Ill., and W. E. Hudson, Los Angeles, Calif., assignors to Western Electric Company, Incorporated, New York, N. Y. Storage-battery grid. 1,675,643; July 3.
- Dean, Reginald S., La Grange, Ill., and W. E. Hudson, Los Angeles, Calif., assignors to Western Electric Company, Incorporated, New York, N. Y. Age-hardening process. 1,675,644; July 3.
- Dean, Reginald S., and W. E. Hudson, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Hardened lead alloy and producing same. 1,674,954; June 26.
- Dean, Reginald S., and W. E. Hudson, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Preparing lead alloys on which work is to be performed. 1,674,955; June 26.
- Dean, Reginald S., and W. E. Hudson, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Extruding and improving of lead alloys. 1,674,956; June 26.
- Dean, Reginald S., and W. E. Hudson, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Improving lead-alloy articles. 1,674,957; June 26.
- Dean, Reginald S., and W. E. Hudson, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Alloy. 1,674,958; June 26.
- Dean, Samuel W., Houlton, Me., assignor to American Telephone and Telegraph Company. Broadside antenna array. 1,677,956; July 24.
- Dean, William E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed-valve device. 1,685,837; Oct. 2.
- Dean, William E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-indicating device. 1,689,231; Oct. 30.
- Dean, William J., Paterson, N. J., assignor to Superwear Manufacturing Corporation. Transmission device for automobiles. 1,659,908; Feb. 21.
- Dean, William T., Glencoe, Ill., assignor by mesne assignments to J. E. Ball, Milwaukee, Wis. Liquid-fuel-burning system. 1,694,772; Dec. 11.
- Dean, Winton A., and A. L., Long Beach, Calif. Milk and cream separator. 1,665,657; Apr. 10.
- Deane, Harry B., Monroe, Mich. Turf-cutting device. 1,692,436; Nov. 20.
- Deane, Stewart O., Harrisville, R. I., assignor to Draper Corporation, Hopedale, Mass. Lay sword for looms. 1,669,389; May 8.
- Deane, Tenison, San Francisco, Calif. Telephone rest. 1,674,960; June 26.
- Deans, Robert J., Brooklyn, N. Y. Shingle construction. 1,664,285; Mar. 27.
- Dearborn, Clinton H., Hampton, Va., assignor to A C Spark Plug Company, Flint, Mich. Crank-case-ventilator shut-off valve. 1,685,985; Oct. 2.
- Dearborn Company, The. (See Robineau, Joseph F., assignor.)
- Dearborn, Richard J., Summit, N. J., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating oils. 1,658,077; Feb. 7.
- Deardorf, John E., Vista, Calif. Adobe wall construction. 1,686,228; Oct. 2.
- Dearing, Edmund R., Birmingham, Ala. Metal plug for pipe joints. 1,682,741; Sept. 4.
- De Armond, William C., and W. R. H. Watt, assignors to Gravity Carbonator Company, Philadelphia, Pa. Mixed beverage-vending apparatus. 1,681,929; Aug. 28.
- De Aróstegui, E. Ybarzuengoitia, José M., Bilbao, Spain. Pneumatic tire and wheel therefor. 1,658,708; Feb. 7.
- Dearsley, Irwin E. (See Walker, W. H., Mizer, and Dearsley.)
- Dearsley, Irwin E., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. Re17,050; July 24.
- Dearth, Elmer E., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Pneumatic core. 1,674,765; June 26.
- De Avila, Aurelio, Calle Neva, Mexico. Device for collecting serum from blood. 1,658,157; Feb. 7.
- De Back, William, San Leandro, Calif. Distributing spout. 1,668,804; May 8.
- Debacher, Robert R., New York, N. Y. Bail for pails and the like. 1,694,165; Dec. 4.
- Debaecker, Charles E., Paris, France. Vapor burner. 1,696,389; Dec. 25.

- De Bary, Erwin G., Amsterdam and Kottach-Tegernsee, Germany. Game instrument for poker and similar card games. 1,689,380; Oct. 30.
- De Baufre, William L. (See Tolman, R. C., De Baufre, Davis, and Roberts.)
- De Baugh, Howard L., Towson, R. R. Meeks, Baltimore, and J. E. Strayer, Towson, Md., assignors to The Superior Manufacturing Company. Automobile curtain. Re16,970; May 22.
- De Baun, John E., Saddle River, N. J. Building construction. 1,684,127; Sept. 11.
- De Baun, John E., Saddle River, N. J. Internal-combustion engine. 1,687,547; Oct. 16.
- De Bellescize, Henri J. J. M., de R., Toulon, France. Direction finder. 1,675,332; July 3.
- De Bellescize, Henri J. J. M. de R., Toulon, France. Filter for high-frequency oscillations. 1,687,062; Oct. 9.
- De Bellescize, Henri J. J. M. de R., Paris, France. Antiparasite receiver for wireless communication systems. 1,687,061; Oct. 9.
- De Bellescize, Henri J. J. M. de R., Paris, France. Electric signaling. 1,687,063; Oct. 9.
- De Benedetti, Francesco, Turin, Italy. Motor car. 1,656,175; Jan. 17.
- De Benedictis, Charles, Jersey City, N. J. Rug. Des. 75,616; June 26.
- De Benedictis, Salvatore, Brooklyn, N. Y. Cigar-shaped pipe. 1,674,617; June 19.
- De Bercegl, Raymond C. M., Lisieux, France. Making polychromatic screens for color photography. 1,673,349; June 12.
- De Bethune, Gaston, Brussels, Belgium. Apparatus for the manufacture of pig iron. 1,693,916; Dec. 4.
- De Boer, Jan H. (See Van Arkel, A. B., and de Boer.)
- De Boer, Jan H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Separation of hafnium and zirconium. 1,666,811; Apr. 17.
- De Boer, John H., Syracuse, N. Y. Collapsible shipping box. 1,661,527; Mar. 6.
- De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Wall pocket. 1,680,668; Aug. 14.
- De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Container. 1,687,327; Oct. 9.
- De Bogory, Alexander, administrator. (See De Bogory, Progor.)
- De Bogory, Progor, deceased, Miami, Fla.; A. De Bogory, administrator. Time-measuring device. 1,674,161; June 19.
- De Bolt, Harry H., Morgantown, W. Va. Headlight hood. Des. 75,015; May 1.
- De Bonneville, Arthur A., et al. (See Bennett, James C., assignor.)
- De Bozas, Guy de B., Paris, France. Wireless apparatus for determining angles or directions. 1,656,147; Jan. 10.
- De Bracht, Joseph, assignor of one-half to P. Epringt, Altoona, Pa. Indicator or prompter for household or other purposes. 1,684,346; Sept. 11.
- De Brey, Heinrich W. K., The Hague, Netherlands. Portable cabinet talking machine. 1,666,054; Apr. 10.
- Debrie, André L. V. C., Paris, France. Film-driving mechanism for cinematographic view-taking apparatus. 1,663,625; Mar. 27.
- Debrie, André L. V. C., Paris, France. Stand for cinematographic and photographic view taking apparatus. 1,666,848; Apr. 17.
- Debrie, André L. V. C., Paris, France. Camera view finder. 1,678,902; July 31.
- Debrebant, Francis. (See Remy, A., Renaux, Delort, and Debrebant.)
- Debs, Louis H., et al. (See Christoph, Edward A., assignor.)
- Debus, Sander, Hastings, Nebr. Shipping box. 1,658,287; Feb. 7.
- Decca Disc Phonograph Company. (See Bodwell, P. D., and Bellows, assignors.)
- Decca Disc Phonograph Company. (See Kauffman, Wilbur K., assignor.)
- De Camp, Ellis O., assignor to The Williamson Heater Company, Cincinnati, Ohio. Clothes drier. 1,668,762; May 8.
- De Camp, Ray E., Glendale, Calif., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism. 1,675,333; July 3.
- De Camp, William S., Chillicothe, Ohio. Automatic slack adjuster for air brakes. 1,661,032; Feb. 28.
- De Can, Henry B., St. Maries, Idaho. Stove. 1,687,972; Oct. 16.
- De Cardy, Fred, assignor to White Brass Castings Co., Chicago, Ill. Bank. 1,674,766; June 26.
- Decarie Incinerator Corporation. (See Buffington, John R., assignor.)
- De Castro, Miguel A. C., Bogota, Colombia. Electric post lamp. 1,692,549; Nov. 20.
- Deceleco, Inc. (See Nicholay, Paul, assignor.)
- Decele, Fred, Nashua, N. H. Ventilator. 1,689,425; Oct. 30.
- De Cesare, Matteo, Newark, N. J., assignor, by mesne assignments, to Voices Incorporated. Sound-reproducing device. 1,667,103; Apr. 24.
- De Cesare, Matteo, Newark, N. J., assignor, by mesne assignments, to Voices Incorporated. Sound-producing device. 1,667,104; Apr. 24.
- De Cew, Judson A., New York, N. Y. Sizing paper. 1,663,976; Mar. 27.
- Dechmann, Marie, Chicago, Ill. Heating appliance. 1,673,140; June 12.
- Deck, Lee, Winfield, Kans. Gas burner. 1,670,191; May 15.
- Deckel, Friedrich, Präzisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
- Deckel, Friedrich, Präzisionsmechanik und Maschinenbau. (See Deckel, F., and Geiger, assignors.)
- Deckel, Friedrich, and M. Geiger, assignors to the firm: Friedrich Deckel, Präzisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Camera shutter. 1,666,557; Apr. 17.
- Deckel, Friedrich, and M. Geiger, Munich, assignors to the firm: Friedrich Deckel, Präzisionsmechanik und Maschinenbau, Munich, Bavaria, Germany. Camera shutter. 1,687,123; Oct. 9.
- Decker, Albert K., Seattle, Wash. Nesting furniture. 1,660,119; Feb. 21.
- Decker, Edward P., New York, N. Y. Drier. 1,693,747; Dec. 4.
- Decker, George, assignor to A. P. Kietz, Cleveland, Ohio. Heater for hair-waving outfits. 1,674,591; June 19.
- Decker, George, assignor to Realistic Hair Waving Machine Co., Cleveland, Ohio. Hair-waving outfit. 1,683,531; Sept. 4.
- Decker, Hugh L. (See Adams, H. E., and Decker.)
- Decker, Hugh L., assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Electrical indicating instrument and control system therefor. 1,657,855; Jan. 31.
- Decker, Josef B., Elkton, Md. Firecracker machine. 1,665,300; Apr. 10.
- De Clairmont, Adolph, Los Angeles, Calif. Apparatus for generating radium water. 1,661,604; Mar. 6.
- De Clerque, Alvin W. (See Payne, H. D., De Clerque, and Sjoberg.)
- De Costa, Maria S. (See Maximoff, J., De Costa, and Krebs.)
- De Costa, Maria S., née Vincent. (See Maximoff, J., and De Costa.)
- Decoteau, Frank, Dutchtown, La. Mechanical hoe. 1,672,753; June 5.
- De Courseulles, Robert, assignor to Société Schneider & Co. and Compagnie des Forges & Acieries de la Marine & d'Homecourt, Paris, France. Device for the horizontal aiming of turrets comprising several guns. 1,694,843; Dec. 11.
- Deden, Freda L., Chicago, Ill. Comb. 1,663,399; Mar. 20.
- Dédissé, Henri, Boulogne-sur-Seine, France. Mudguard for motor vehicles. 1,695,247; Dec. 11.
- Dedman, Joseph M. (See Frakes, Frank F., assignor.)
- Dedrick, Charles H., Drexel Hill, Pa., assignor to Philadelphia Quartz Company. Manufacturing straw pulp and paper. 1,682,834; Sept. 4.
- Dee, Daniel, assignor of one-half to C. E. Ovenshire, Minneapolis, Minn. Antiglare device for headlights. 1,670,142; May 15.
- Deegan, James O., Toronto, Ontario, Canada, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Feeding device. 1,693,371; Nov. 27.
- Deeks, Hiram C. J., Sea Cliff, N. Y. Photography. 1,669,506; May 15.
- Deemar, Henry V., St. Louis, Mo., assignor of one-half to H. H. Deeman, Los Angeles, Calif. Blow blast gas burner. 1,661,929; Mar. 6.
- Deemar, Herbert H. (See Deemar, Henry V., assignor.)
- Deems, Edward M., Forest Hills, N. Y. Rail bond. 1,665,347; Apr. 10.
- Deere & Company. (See Brown, Theophilus, assignor.)
- Deere & Company. (See Claar, Harry, assignor.)
- Deere & Company. (See Dain, Joseph, assignor.)
- Deere & Company. (See Gamble, Carl H., assignor.)
- Deere & Company. (See Hand, Frederick E., assignor.)
- Deere & Company. (See Paradise, Louis A., assignor.)
- Deere & Company. (See Paradise, L. A., and Coultas, assignors.)
- Deere & Company. (See Paul, William L., assignor.)
- Deere & Company. (See Sklovsky, Max, assignor.)
- Deere & Company. (See Strandlund, Carl G., assignor.)
- Deere & Company. (See Tolmie, Ronald C., assignor.)
- Deere & Company. (See Tuffley, George B., assignor.)
- Deere & Company. (See Van Brunt, Willard A., assignor.)
- Deere & Company. (See White, Charles H., assignor.)
- Deerfoot, William, Iowa City, Iowa. Tone modifier. 1,661,525; Mar. 6.
- Deering, Howard C. (See Henderson, J. J., and Deering.)
- Deeter, George C., York, Pa. Metal alloy. 1,656,695; Jan. 17.
- Deeter, George C., York, Pa. Metal alloy. 1,656,696; Jan. 17.
- Defender Photo Supply Co. (See Field, Leonard D., assignor.)
- De Ferranti, Sebastian Z., assignor to Ferranti, Limited, Hollinwood, England. Direct-current electricity meter. 1,679,712; Aug. 7.
- Deffenbaugh, George S., Woodman, Colo. Paper weight or similar article. Des. 75,357; May 29.
- Defiance Sales Corporation. (See Ham, Newell E., assignor.)
- Definbaugh, Mark A., assignor to L. E. Case, Inc., Schenectady, N. Y. Combined table and casing for a washing machine or the like. Des. 75,830; July 24.

- Defbaugh, Mark A., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Mechanical clothes washer. 1,689,381; Oct. 30.
- De Florez, Luis, Pomfret, Conn. Flow-regulating apparatus. Re16,904; Mar. 13.
- De Florez, Luis, Boston, Mass., assignor to The Texas Company, New York, N. Y. Treating hydrocarbons. 1,674,390; June 19.
- De Ford, John W., Los Angeles, Calif. System and means for marking streets. 1,662,960; Mar. 20.
- De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J. Film-protecting arrangement. 1,659,909; Feb. 21.
- De Forest, Lee, New York, N. Y., assignor to De Forest Phonofilm Corporation. Slot cleaner for phonofilm attachment for motion-picture machines. 1,659,910; Feb. 21.
- De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Sound recording and reproducing apparatus. 1,683,451; Sept. 4.
- De Forest, Lee, New York, N. Y., assignor to De Forest Radio Telephone & Telegraph Company, Jersey City, N. J. Radio transmitting system. 1,687,364; Oct. 9.
- De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Sound-recording attachment for motion-picture camera. 1,693,071; Nov. 27.
- De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Shielding sound detector and amplifier apparatus. 1,693,072; Nov. 27.
- De Forest, Lee, New York, N. Y., assignor to De Forest Phonofilm Corporation. Talking-moving-picture machine. 1,695,414; Dec. 18.
- De Forest, Lee, assignor to De Forest Phonofilm Corporation, New York, N. Y. Talking-moving-picture record. 1,695,415; Dec. 18.
- De Forest, Lee, and C. V. Logwood, assignors, to De Forest Radio Telephone and Telegraph Company, New York, N. Y. Radio signaling system. 1,680,207; Aug. 7.
- De Forest Phonofilm Corporation. (See de Forest, Lee, assignor.)
- De Forest Phonofilm Corporation. (See Kaufmann, John, assignor.)
- De Forest Phonofilm Corporation. (See Halpenny, Richard, assignor.)
- De Forest Radio Company. (See Weagant, Roy A., assignor.)
- De Forest Radio Telephone & Telegraph Co. (See Crowley, Sylvester W., assignor.)
- De Forest Radio Telephone & Telegraph Company. (See de Forest, Lee, assignor.)
- De Forest Radio Telephone and Telegraph Company. (See de Forest, L., and Logwood, assignors.)
- De Forest Radio Telephone & Telegraph Co. (See Holborn, Frederick, assignor.)
- De Forest Radio Telephone and Telegraph Company. (See Keator, Randall M., assignor.)
- De Forest Radio Telephone & Telegraph Company. (See Logwood, Charles V., assignor.)
- Defour, André, Neuilly-sur-Seine, France. Process and installation for the electromechanical utilization of tides. 1,659,481; Feb. 14.
- De Foy, Nathan S., Massena, N. Y. Reinforced-concrete railroad tie and rail fastener. 1,669,079; May 8.
- De France, Samuel. (See Sauvey, I. L., and De France.)
- De Fremery, Frank. (See Scruby, S. V. C., Turkud, and de Fremery.)
- De Freudenreich, Jean, Baden, and K. Frey, Ennetbaden, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Blading for reaction turbines. 1,673,554; June 12.
- De Fries, Walter, Wilkinsburg, assignor to Blaw-Knox Company, Hoboken, Pa. Reversing furnace and operating the same. 1,687,710; Oct. 16.
- De Garmo, James C., et al. (See Greathhead, W. F., and Tamblin, assignors.)
- Degener Cushion Universal Corporation. (See Degener, Edward K., assignor.)
- Degener, Edward K., Huntington Park, assignor to Degener Cushion Universal Corporation, Los Angeles, Calif. Universal joint. 1,679,076; July 31.
- Degener, Gustave O., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,667,773; May 1.
- Degener, Gustave O., assignor to Royal Typewriter Company, Inc., New York, N. Y. Adding attachment for typewriting machines. 1,688,805; Oct. 23.
- De Gerson, Francis, born R. J. Berthier, Paris, France. Bottle utilizable as a vase by turning it over. 1,678,588; July 24.
- De Gerson, Raesfeld J., born Berthier, Paris, France. Manufacture of artificial flower. 1,694,844; Dec. 11.
- De Geynst, Maurice, Forest-Brussels, and I. Lepage, Dieghem, Belgium. Blank cartridge. 1,690,890; Nov. 6.
- De Giovanni, John. (See De Mott, J. H., and De Giovanni.)
- Degler, William W., Cumberland, Md. Card holder. 1,664,668; Apr. 3.
- Degling, Alexander, Philadelphia, Pa. Metatarsal pad. 1,684,948; Sept. 18.
- Degner, Herman C., Los Angeles, Calif. Shaping articles out of stone. 1,658,371; Feb. 7.
- De Goll, Louis, Paris, France. Lighter. 1,682,892; Sept. 4.
- De Golyer, Anthony G., Brooklyn, N. Y. Copper refining. 1,660,220; Feb. 21.
- De Göncz, Denis, assignor to Arnold Print Works, North Adams, Mass. Treatment of cellulosic materials. 1,661,879; Mar. 6.
- De Göncz, Denis, and A. S. Jones, assignors to Arnold Print Works, North Adams, Mass. Laminated fabric and making it. 1,661,880; Mar. 6.
- De Göncz, Denis, and A. S. Jones, assignors to Arnold Print Works, North Adams, Mass. Treatment of cellulosic fabrics. 1,661,881; Mar. 6.
- De Graaff, Antonius, Eindhoven, Netherlands, assignor to General Electric Company, Tungsten product and its manufacture. 1,662,027; Mar. 6.
- De Graff, Ellis A., assignor to Leather Makers' Process Company, Detroit, Mich. Turning table for skin-drying plates. 1,694,531; Dec. 11.
- De Groat, Wilson F. (See Bucknam, J. S., jr., and De Groat.)
- De Groote, Melvin, St. Louis, assignor to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,660,003; Feb. 21.
- De Groote, Melvin, St. Louis, assignor to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,660,004; Feb. 21.
- De Groote, Melvin, St. Louis, assignor to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,660,005; Feb. 21.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,656,622; Jan. 17.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,656,623; Jan. 17.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,993; Feb. 21.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,994; Feb. 21.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,995; Feb. 21.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,996; Feb. 21.
- De Groote, Melvin, St. Louis, and W. C. Adams, University City, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,997; Feb. 21.
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,660,000; Feb. 21.
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,660,001; Feb. 1.
- De Groote, Melvin, St. Louis, and B. Keiser, assignors to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,660,002; Feb. 21.
- De Guardia-Calmètes, Paul, near St. Medard, France. Loom for weaving reeds. 1,660,596; Feb. 28.
- De Guise, Joseph A. P., Sorel, Quebec, Canada. Oil-burning device. 1,671,352; May 29.
- De Haen, E., A.-G. (See Karplus, H., and Bachmann, assignors.)
- De Hart, William A., Teaneck, N. J., assignor of five-sevenths to E. H. Binns and two-sevenths to R. H. Binns, Pittsburgh, Pa. Counting mechanism. 1,685,481; Sept. 25.
- De Hart, William A., Teaneck, N. J., assignor to F. R. King, New York, N. Y. Electric flatiron. 1,691,627; Nov. 13.
- De Hass, Gilbert O., Vandalla, Mo. Folding bed. 1,692,080; Nov. 20.
- De Haven, Avery S. (See Fremon, J. A., and De Haven.)
- De Hertelendy, Andor, Washington, D. C. Attaching buttons to garments. 1,674,544; June 19.
- Dehling, Mary R., Wausau, Wis. Dust-laying broom. 1,666,369; Apr. 17.
- Dehn, Joseph W., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,654,923; Jan. 3.
- Dehuff, Walter F., Glen Rock, Pa. Mixing machine. 1,656,665; Jan. 17.
- Dehuff, Walter F., Glen Rock, Pa. Mixing machine. 1,691,843; Nov. 13.
- Deibert, Ambrose E., Seattle, Wash. Mail box. 1,666,281; Apr. 17.
- Deicke, Bernhard. (See Siebert, O., Thiess, Schöner, Schmidlin, Benade, and Deicke.)
- Deicke, Bernhard. (See Thiess, K., Deicke, and Schmidlin.)
- Deicken, Louis A., Los Angeles, Calif. Food tray. 1,677,276; July 17.
- Deike, August H., deceased; M. Deike, administratrix, assignor to Takoma Manufacturing Company, Takoma Park, Md. Water-closet. 1,656,099; Jan. 10.
- Deike, Mildred, administratrix. (See Deike, August H.)
- Deisch, Noel, Washington, D. C. Page-end-margin indicator. 1,656,428; Jan. 17.

- Delsley, Edward J., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Door mounting. 1,663,531; Mar. 20.
- Deister, Emil, jr., Fort Wayne, Ind. Score device. 1,683,242; Sept. 4.
- Deister, Emil, Fort Wayne, Ind. Vibrating screen. 1,685,940; Oct. 2.
- Deister, Emil, Fort Wayne, Ind. Vibrating motion-producing mechanism. 1,685,941; Oct. 2.
- Deister, Emil, Fort Wayne, Ind. Screening mechanism. 1,685,942; Oct. 2.
- Deister, Emil, Fort Wayne, Ind. Concentrating table. 1,685,986; Oct. 2.
- Deister Machine Company. (See Astrom, John, assignor.)
- Detel, Benjamin B., Brooklyn, N. Y. Vanity case. 1,694,702; Dec. 11.
- Deitrich, Earl E., Baltimore, Md. Tractor wheel. 1,670,100; May 15.
- Deitz, Howard C. (See Thompson, J. V., and Dietz.)
- De Jong, Hendrik. (See Reufel, H. M. H., de Jong, and Wentink.)
- De Kaiser, Isaac, Pittsburgh, Pa. Radio speaker stand. Des. 74,360; Feb. 7.
- De Kaiser, Isaac, Pittsburgh, Pa. Candelabrum radio speaker stand. Des. 75,222; May 22.
- De Kaiser, Isaac, Pittsburgh, Pa. Candelabrum radio speaker stand. Des. 75,223; May 22.
- De Kaiser, Isaac, Pittsburgh, Pa. Candelabrum radio speaker stand. Des. 75,224; May 22.
- De Karske, Elmer A., Milwaukee, Wis. Display rack. 1,688,004; Oct. 16.
- De Kermor, Louis G., Edmonton, Alberta, Canada, assignor to Delway Heaters, Inc., New York, N. Y. Steam-atomizing oil burner. 1,691,048; Nov. 13.
- De Koning, Jacob, assignor to Gallmeyer and Livingston Company, Grand Rapids, Mich. Grinding machine. 1,664,024; Mar. 27.
- De la Bourdonnais, Charles M. de C., Loventor Manor, near Totnes, England. Loud speaker, gramophone, and other sound recording or reproducing apparatus. 1,689,997; Oct. 30.
- Delachaux, Clarence L., Gennevilliers, France. Hard-alloy-steel process. 1,671,572; May 29.
- De la Cierva, Juan, Madrid, Spain. Aircraft with rotative wings. 1,673,232; June 12.
- De la Cierva, Juan, Madrid, Spain. Aircraft with rotative wings. 1,673,233; June 12.
- De la Cierva, Juan, Madrid, Spain. Aircraft with rotative wings. 1,678,935; July 31.
- De la Cierva, Juan, Madrid, Spain. Aircraft with rotative wings. 1,682,893; Sept. 4.
- De la Cierva, Juan, Madrid, Spain. Undercarriage or landing gear for aircraft. 1,682,894; Sept. 4.
- De la Cierva, Juan, Madrid, Spain. Aircraft with rotative wings. 1,692,081; Nov. 20.
- De la Cierva, Juan, Madrid, Spain. Aircraft with rotative wings. 1,692,082; Nov. 20.
- De la Cuesta, Francisco and M. M., J. Parapar, and S. Fals, Habana, Cuba. Advertisement holder. 1,678,691; July 31.
- De la Cuesta, Manuel M. (See de la Cuesta, Francisco and M. M., Parapar and Fals.)
- De la Fontaine, Charles J., Dallas, Tex. Demonstrating trunk. 1,670,496; May 22.
- De la Haba, Albert, and E. Garcia, Ansonia, Conn. Roll for cane mills, crushers, and the like. 1,666,055; Apr. 10.
- Delaih, Fannie M., Chicago, Ill. Oven rack. 1,692,630; Nov. 20.
- De Laitte, Leontine D., San Francisco, Calif. Nail filing and polishing machine. 1,672,450; June 5.
- De La Mare, Thomas, Salt Lake City, Utah. Repairing pipes. Re17,166; Dec. 18.
- De La Mare, Thomas, Salt Lake City, Utah. Railroad tie. 1,690,891; Nov. 6.
- De La Mare, Thomas, Tooele, assignor to P. F. McKendrick, Garfield, Utah. Repairing pipe. 1,662,852; Mar. 20.
- De Lan, Eugene A., assignor to Shenango Pottery Company, New Castle, Pa. Plate. Des. 76,919; Nov. 20.
- De Lancy, Darragh, Waterbury, Conn. Camera lucida. 1,674,321; June 19.
- De Land, Amedee, River Rouge, Mich. Shutter-operating attachment for cameras. 1,685,774; Oct. 2.
- Deland, Benjamin, South Euclid, Ohio. Folding table. 1,696,193; Dec. 25.
- De Land, Herbert S., Washington, D. C. Automobile lock. 1,673,737; June 12.
- Delaney, Ada W. (See Delaney, John H., assignor.)
- Delaney, Andrew E., Ashland, Wis. Snow plow. 1,679,409; Aug. 7.
- Delaney, James, Coeur d'Alene, Idaho. Separable fastener. 1,670,654; May 22.
- Delaney, John H., assignor to A. W. Delaney, Los Angeles, Calif. Acoustic building material. 1,660,745; Feb. 28.
- Delaney, Joseph R., Cincinnati, Ohio. Meter-window frame. 1,666,927; Apr. 24.
- Delaney, Myron E., New York, N. Y., and L. T. Richardson, New Brunswick, N. J., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Novel composition of matter. 1,655,942; Jan. 10.
- Delaney, Samuel J., Oakland, Calif. Combination convection and radiant heater. 1,677,621; July 17.
- De Lano, Courtland A., Cedar Rapids, Iowa. Dental wax expansion cabinet. 1,670,026; May 15.
- Delano, Earl L., and G. L. Kurlong, Agra, Kans. Storage magazine for motion-picture apparatus. 1,657,154; Jan. 24.
- Delany, Edward L., Brooklyn, N. Y. Float valve. 1,678,769; July 31.
- Delany, Edward L., Brooklyn, N. Y. Flush-tank-operating lever. 1,685,153; Sept. 25.
- Delany, Edward L., assignor to Delany Realty Corporation, Brooklyn, N. Y. Float valve for flush tanks. 1,661,112; Feb. 28.
- Delany, Edward L., assignor to Delany Realty Corporation, Brooklyn, N. Y. Flush-valve float for flush tanks. 1,676,430; July 10.
- Delany, Edward L., assignor to Delany Realty Corporation, Brooklyn, N. Y. Flush-tank-operating lever. 1,685,152; Sept. 25.
- Delany, Edward L., assignor to Delany Realty Corporation, Brooklyn, N. Y. Float valve. 1,685,987; Oct. 2.
- Delany, Edward L., Brooklyn, N. Y., and R. P. Charles, Bristol, Va., assignors to Delany Realty Corporation, Brooklyn, N. Y. Threaded connecting member. 1,688,269; Oct. 16.
- Delany Realty Corporation. (See Delany, Edward L., assignor.)
- Delany Realty Corporation. (See Delany, E. L., and Charles, assignors.)
- De Laporte, Antoine V., F. A. Dallyn, and F. R. Manuel, Toronto, Ontario, Canada; said De Laporte and said Manuel assignors to said Dallyn. Purifying sewage and analogous liquids. 1,658,974; Feb. 14.
- De Lapotterie, Otto H., assignor to R. H. Smith, Kent, Ohio. Threading nut blanks. 1,676,482; July 10.
- De la Roza, Joaquin J., sr., Brooklyn, assignor to Bagasse Products Corporation, New York, N. Y. Producing fibrous thread. 1,681,223; Aug. 21.
- Delas, Albert, Paris, France. Steam ejector with cooled diffuser. 1,662,260; Mar. 13.
- Delas, Albert, Paris, France, assignor to Société des Condenseurs Delas. Producing in a solution the crystallization of the body dissolved therein. 1,677,551; July 17.
- Delas, Albert, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y. Method of and apparatus for increasing the vacuum of turbines. 1,688,413; Oct. 23.
- Delas Condenser Corporation. (See Delas, Albert, assignor.)
- Delatone Company, The. (See Miner, C. S., and Trolander, assignors.)
- De Lautour, Francis, Wellington, New Zealand. Internal-combustion engine. 1,680,505; Aug. 14.
- De Laval, Claude G. H., Stockholm, Sweden. Adjustable electrical condenser, resistance, variometer, and the like. 1,654,867; Jan. 8.
- De Laval-Crow, Thomas C., and C. B. Simmons, assignors to The New Departure Manufacturing Company, Bristol, Conn. Mounting bearings. 1,668,105; May 1.
- De Laval-Crow, Thomas C., assignor to The New Departure Manufacturing Company, Bristol, Conn. Making bearing separators. 1,693,550; Nov. 27.
- De Laval Separator Company, The. (See Erling, Sven J., assignor.)
- De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
- De Laval Separator Company, The. (See Gilmore, Vincent J., assignor.)
- De Laval Separator Company, The. (See Haggood, Cyrus H., assignor.)
- De Laval Separator Company, The. (See Hytte, Robert P. L., assignor.)
- De Laval Separator Company, The. (See Meston, Archibald F., assignor.)
- De Laval Separator Company, The. (See Miller, Philip F., assignor.)
- De Laval Separator Company, The. (See Sangster, William, assignor.)
- De Laval Separator Company, The. (See Walker, Robert G., assignor.)
- De Lavaud, Dimitri S., Paris, France. Free-wheel clutch. 1,694,377; Dec. 11.
- Delaware Chemical Engineering Company. (See Du Pont, Francis I., assignor.)
- Delaware Lackawanna & Western Coal Co., The. (See Camp, Charles H., assignor.)
- Delaware Lackawanna & Western Coal Co., The. (See Es-selen, G. J., jr., and Weiss, assignors.)
- Delay, Emmet L. (See Hutsell, Ernest O., assignor.)
- Delaygue, Charles, Paris, France. Refrigerating apparatus. 1,657,460; Jan. 31.
- Delbon, Frank G., Brooklyn, N. Y. Arch support and shoe-shank reinforcement. 1,685,398; Sept. 25.
- Delbridge, Thomas G., and J. B. Hill, assignors to The Atlantic Refining Company, Philadelphia, Pa. Liquid phase purification of distillates. 1,682,603; Aug. 28.
- Delbridge, Thomas G., and H. F. Dure, assignors to The Atlantic Refining Company, Philadelphia, Pa. Treatment of mineral oils. 1,690,772; Nov. 6.
- Del Castillo, Guillermo D., Habana, Cuba. Safety razor. 1,675,793; July 3.
- Delco-Light Company. (See Blackmore, Lloyd, assignor.)
- Delco-Light Company. (See Buvinger, G. A., and Warner, assignors.)
- Delco-Light Company. (See Dickey, Ernest, assignor.)

- Delco-Light Company. (See Hardman, Frederick J., assignor.)
 Delco-Light Company. (See Hull, Harry B., assignor.)
 Delco-Light Company. (See Keilholtz, Lester S., assignor.)
 Delco-Light Company. (See Kettering, Charles F., assignor.)
 Delco-Light Company. (See King, Jesse G., assignor.)
 Delco-Light Company. (See Reindel, Ira H., assignor.)
 Delco-Light Company. (See Sayles, Henry W., assignor.)
 Delco-Light Company. (See Shew, Walter E., assignor.)
 Delco-Light Company. (See Smith, Jasper A., assignor.)
 Delco-Light Company. (See Starr, Frank F., assignor.)
 Delco-Light Company. (See Warner, Clarence, assignor.)
 Delco-Remy Corporation. (See Arthur, James L., assignor.)
 Delco-Remy Corporation. (See Ayers, Fred W., assignor.)
 Delco-Remy Corporation. (See Baker, Russell W., assignor.)
 Delco-Remy Corporation. (See Carter, John J., assignor.)
 Delco-Remy Corporation. (See Chryst, William A., assignor.)
 Delco-Remy Corporation. (See Chryst, W. A. and Walters, assignors.)
 Delco-Remy Corporation. (See Critchfield, Robert M., assignor.)
 Delco-Remy Corporation. (See Davis, Lewis H., assignor.)
 Delco-Remy Corporation. (See Dewey, Fred G., assignor.)
 Delco-Remy Corporation. (See Elsey, George W., assignor.)
 Delco-Remy Corporation. (See Fitzsimmons, John T., assignor.)
 Delco-Remy Corporation. (See Gomory, Albert B., assignor.)
 Delco-Remy Corporation. (See Haas, Nelson R., assignor.)
 Delco-Remy Corporation. (See Henry, Howard W., assignor.)
 Delco-Remy Corporation. (See Hunt, John H., assignor.)
 Delco-Remy Corporation. (See Jones, Russell G., assignor.)
 Delco-Remy Corporation. (See Jones, R. G., and Zwiebel, assignors.)
 Delco-Remy Corporation. (See Kroeger, Frederick C., assignor.)
 Delco-Remy Corporation. (See Leighton, Everett F., assignor.)
 Delco-Remy Corporation. (See McConnell, Duncan A., assignor.)
 Delco-Remy Corporation. (See Norviel, Harry E., assignor.)
 Delco-Remy Corporation. (See Pabst, William E., assignor.)
 Delco-Remy Corporation. (See Parker, Leslie O., assignor.)
 Delco-Remy Corporation. (See Poole, Lora E., assignor.)
 Delco-Remy Corporation. (See Rippingille, Edward V., assignor.)
 Delco-Remy Corporation. (See Schrope, William D., assignor.)
 Delco-Remy Corporation. (See Turnquist, Edward, assignor.)
 Delco-Remy Corporation. (See Walters, H. C., and Fitzsimmons, assignors.)
 Delco-Remy Corporation. (See Wilson, Charles E., assignor.)
 Delco-Remy Corporation. (See Wilson, C. E., and Toelle, assignors.)
 Delco-Remy Corporation. (See Young, Willis G., assignor.)
 De Leeuw, Adolph L., Plainfield, N. J. Pump. 1,669,976; May 15.
 De Leeuw, Adolph L., Plainfield, N. J. Inverted unitary chucking machine. 1,671,354; May 29.
 De Leeuw, Adolph L., Plainfield, N. J., assignor of one-half to A. F. Nathan, New York, N. Y. Gear grinder. 1,666,737; Apr. 17.
 De Leeuw, Adolph L., Plainfield, N. J., assignor to Stokes & Smith Company, Philadelphia, Pa. Machine for forming cylindrical cams. 1,671,353; May 29.
 De Leeuw, Adolph L., Plainfield, N. J. Individual power feed for multiple tapping machines. 1,681,326; Aug. 21.
 De Lemme, Philip, Jersey City, N. J. Mechanical toy duck. 1,655,358; Jan. 3.
 Delete Company. (See Nance, William O., assignor.)
 Delf, George A., assignor to J. Pavelka, St. Louis, Mo. Die. 1,665,203; Apr. 10.
 Del Faro, Laura, and A. Landmesser, Los Angeles, Calif. Smoker's tray. Des. 74,298; Jan. 24.
 Delfoe, Edward F., Brooklyn, N. Y. Fire extinguisher. 1,679,207; July 31.
 Deli, Frank C., Chicago, Ill. Fountain pen. Des. 76,181; Aug. 28.
 Deli, Frank C., assignor to Autopoint Company, Chicago, Ill. Pencil. 1,682,070; Aug. 28.
 D'Elia, Joseph A., Bridgeport, Conn. Oil burner. 1,687,328; Oct. 9.
 Deline, Irving A., Denver, Colo. Expansible box-band holder for stripping machines. 1,664,738; Apr. 3.
 Deline, Irving A., Denver, Colo. Box holder to facilitate the hand-stripping operation in the production of pasteboard boxes. 1,664,739; Apr. 3.
 Deline, Irving A., Denver, Colo. Automatically-operating paper-box shaping and finishing machine. 1,677,886; July 17.
 De Lisle, Walter B., Springfield, Mo. Teeter. 1,672,754; June 5.
 De-Lite-Us Spring Clasp Corporation, The. (See Duchesneau, Joseph, assignor.)
 De-Lite-Us Spring Clasp Corporation, The. (See Fridolph, John S., assignor.)
 De-Lite-Us Spring Clasp Corporation. (See Fridolph, J. S., and Duchesneau, assignors.)
 Delker, George, Company, The. (See Delker, William L., assignor.)
 Delker, William L., assignor to The George Delker Company, Henderson, Ky. Coaster wagon. 1,659,245; Feb. 14.
 Dell, Mirah L. H., Los Angeles, Calif. Washing machine. 1,655,357; Jan. 3.
 Dell, Samuel M., assignor to Samuel M. Dell & Co., Inc., Baltimore, Md. Combined display card and cabinet. 1,662,885; Mar. 20.
 Dell, Samuel M., & Co. (See Dell, Samuel M., assignor.)
 Dellaree, Frank H., and J. Bonze, Detroit, Mich. Window-cleaning device. 1,682,216; Aug. 28.
 Delle, Bernhard E., Brooklyn, N. Y. Bushing puller. 1,689,380; Oct. 30.
 Dellenbarger, Charles E., Philadelphia, Pa., assignor to P. Carpenter, Glenview, Ill. Sheet-forming machine. 1,684,436; Sept. 18.
 Dellert, Louis, Brooklyn, N. Y. Chair. 1,664,356; Mar. 27.
 Delling, Eric H., assignor to Brooks Steam Motors Limited, Stratford, Ontario, Canada. Fuel-oil burner. 1,671,972; June 5.
 Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
 Delmanhorst, Herman F., assignor to Signal Automatic Company, Louisville, Ky. Timing device. 1,655,760; Jan. 10.
 Del Marmol, Charles J., Philadelphia, Pa. Adjustable combined sound box and radiophone. 1,679,932; Aug. 7.
 De Long, Frederic T., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam structure. 1,695,416; Dec. 18.
 De Long Hook and Eye Company, The. (See Bebel, Abraham, assignor.)
 De Long Hook and Eye Company, The. (See Gutekunst, Leonard, assignor.)
 De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)
 De Long, James E., assignor to Waukesha Motor Company, Waukesha, Wis. Combination brake and guard structure. 1,692,027; Nov. 20.
 De Jongh, Johan H., Hilligersberg, Netherlands. Railway vehicle. 1,663,626; Mar. 27.
 De Lony, Knud, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Construction for compressors and the like. 1,656,728; Jan. 17.
 De Lorme, Alfred C., Newark, N. J. Battery connector. 1,676,387; July 10.
 Delort, Jean. (See Remy, A., Renaux, Delort, and Debrent.)
 Delory, Michael P., Concord, Mass. Spring. 1,679,410; Aug. 7.
 Delpech, Jacques, Rennes, France. Apparatus for the manufacture of artificial filaments. 1,695,455; Dec. 18.
 Delphos Mop Company, The. (See Barber, William J., assignor.)
 Delpini, José L., Buenos Aires, Argentina. Transporting vehicle. 1,662,376; Mar. 13.
 Delpini, José L., Buenos Aires, Argentina. Passenger vehicle. 1,662,961; Mar. 20.
 Del Rio, Armando, Cienfuegos, Cuba. Funnel. 1,664,266; Mar. 27.
 Del Rosso, Amedeo, assignor of one-half to Emil Del Rosso, Chicago, Ill. Door lock. 1,688,207; Oct. 16.
 Del Rosso, Amedeo, assignor of one-half to Emil Del Rosso, Chicago, Ill. Padlock. 1,688,208; Oct. 16.
 Del Rosso, Emil. (See Del Rosso, Amedeo, assignor.)
 Delta Co. (See Montell, Bertrand, assignor.)
 Delta Engineering Laboratories, Inc. (See Broughton, Berlin A., assignor.)
 Delta-Star Electric Company, The. (See Van Ryan, T., and Alsaker, assignors.)
 Deltex Co., The. (See Jacoby, Raymond W., assignor.)
 Deltex Rug Company. (See Krueger, Edward F., assignor.)
 De Luca, Frank, Fort Ogden, Fla. Suitcase. 1,668,358; May 1.
 De Lutz, Edward R., and H. L. Mitchell, assignors to Wayne Company, Fort Wayne, Ind. Discharge valve for ice-machine compressors. 1,667,143; Apr. 24.
 De Luserna, Edouard. (See Breslauer, J., and de Luserna.)
 De Luxe Clock & Mfg. Co., The. (See Stern, Louis, assignor.)
 De Luxe Metal Furniture Company. (See Levene, Albert H., assignor.)
 Delvin, Hart E., Evanston, Ill. Combined tent and swing frame. 1,666,961; Apr. 24.
 Delway Heaters, Inc. (See de Kermor, Louis G., assignor.)
 Dely, Frank, New York, N. Y. Ventilator. 1,677,711; July 17.

- Delzell, Harold W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reinforced side-driving belt. 1,657,300; Jan. 24.
- Demag Aktiengesellschaft. (See Jeschke, Herbert, assignor.)
- Demaine, John, Greystone, R. I. Weft-thread cutter for automatic looms. 1,657,201; Jan. 24.
- De Malherbe, Carlos, Buenos Aires, Argentina. Speed-indicating mechanism for vehicles. 1,686,623; Oct. 9.
- Demand, Joseph, New York, N. Y. Squeegee and the mounting thereof. 1,684,477; Sept. 18.
- Demand, Joseph, New York, assignor to D. & R. Auto Products Company, Inc., Jamaica, N. J. Windshield-wiper adjuster. 1,681,724; Aug. 21.
- Demann, Walter. (See Bernhard, R., and Demann.)
- De Maré, Baltzar E. L., Philadelphia, Pa. Heating furnace. 1,671,147; May 29.
- Demarest, Charles S., Ridgewood, N. J., and M. L. Almqvist, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Radio signaling system. 1,657,498; Jan. 31.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Repeater circuits. 1,680,367; Aug. 14.
- Demarest, Charles S., Ridgewood, N. J., and O. H. Loynes, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Telephone signaling system. 1,688,461; Oct. 23.
- Demarest, Charles S., Ridgewood, N. J., and O. H. Loynes, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Telephone signaling system. 1,688,462; Oct. 23.
- Demarest, Charles S., Ridgewood, N. J., and O. H. Loynes, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Telephone signaling system. 1,688,463; Oct. 23.
- Demarest, Charles S., Ridgewood, N. J., and O. H. Loynes, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Telephone signaling system. 1,688,464; Oct. 23.
- Demarest, Charles S., Ridgewood, N. J., and O. H. Loynes, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Telephone signaling system. 1,688,465; Oct. 23.
- Demarest, Charles S., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 1,691,962; Nov. 20.
- Demarest, Daniel D., Montclair, N. J., assignor to Westinghouse Lamp Company. Mount for electron-emission devices and method of making. 1,660,153; Feb. 21.
- De Markus, Louis. (See Shields, P. W., and De Markus.)
- De Martelaere, Mathilde, Detroit, Mich. Bottle and pan washer. 1,657,527; Jan. 31.
- De Mattia, Barthold, Clifton, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Making pneumatic tires. 1,690,624; Nov. 6.
- De Mattia Brothers, Inc. (See De Mattia, Peter, assignor.)
- De Mattia, Peter, Passaic, assignor to De Mattia Brothers, Inc., Garfield, N. J. Collapsible core. 1,666,689; Apr. 17.
- De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Collapsible core. 1,690,623; Nov. 6.
- De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Counterbalancing device for vulcanizing molds. 1,690,625; Nov. 6.
- De Mattia, Peter, Passaic, N. J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Collapsible core structure. 1,692,249; Nov. 20.
- De Mazirow, George, New York, N. Y. Mail box. 1,676,008; July 3.
- Dembowick, Anton, Minneapolis, Minn. Battery solution. 1,669,393; May 8.
- Demchuk, Peter, Brooklyn, N. Y. Clutch bearing for vehicles. 1,662,601; Mar. 13.
- De Mercurio, Giuseppe, Hammon, N. J. Rolling window screen. 1,677,230; July 17.
- Demers, Honore, Manchester, N. H. Loom stop mechanism. 1,694,411; Dec. 11.
- Demers, Octave, Keegan, Me. Display case. 1,659,192; Feb. 14.
- De Meulle, Bernard C., assignor of one-fourth to A. De Meulle, one-fourth to W. J. De Meulle, and one-fourth to O. G. Miller, Long Beach, Calif. Deck oven. 1,670,679; May 22.
- De Meulle, William J., et al. (See De Meulle, Bernard C., assignor.)
- De Mieres, Manuel Conte. (See Salazar, Edmundo A., assignor.)
- Deming, Barton R. (See Case, Francis M., assignor.)
- Deming Company, The. (See Deming, William L., assignor.)
- Deming Company, The. (See Garber, Jesse B., assignor.)
- Deming Company, The. (See Randolph, Alfred, assignor.)
- Deming Company, The. (See Trisler, George E., assignor.)
- Deming, Macey F., Tappan, N. Y. Lighting device. 1,673,318; June 12.
- Deming, Macey F., Tappan, N. Y. Illuminating device. 1,673,319; June 12.
- Deming, William L., Salem, Ohio. Rotary cleanser. 1,678,850; July 31.
- Deming, William L., Salem, Ohio. Shower-bath protector. 1,691,339; Nov. 13.
- Deming, William L., assignor to The Deming Company, Salem, Ohio. Lawn sprinkler. 1,672,553; June 5.
- De Monte, Robert W., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical coil system. 1,655,048; Jan. 3.
- De Montmollin, Guillaume. (See Straub, F. de Montmollin, and Schmid.)
- De Montmollin, Guillaume. (See Straub, F. de Montmollin, Spieler, and von Planta.)
- De Moos, Charles, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Strip-measuring machine. 1,658,372; Feb. 7.
- De Mott, John H., Brooklyn, and J. De Giovanni, New York, N. Y. Fixed air condenser. 1,667,885; May 1.
- De Moulin, Ulysses S., Greenville, Ill. Initiation device. 1,691,229; Nov. 13.
- Dempsey, Edmund J. (See Dunbar, E. W., and Dempsey.)
- Dempsey, Edwin R. (See Hysert, Robert E., assignor.)
- Dempster Mill Manufacturing Company. (See Schlachter, Henry, assignor.)
- Demuth, William, & Company. (See Shoemaker, Bernard M., assignor.)
- Demuth, Wm., & Co. (See Weinert, Roland E., assignor.)
- De Muth, John P., Buffalo Center, Iowa. Cigarette-package case. 1,657,155; Jan. 24.
- De Nardis, Cornelius R., New York, and J. J. Albin, Brooklyn, N. Y.; said De Nardis assignor to said Albin. Self-feeding brush. 1,672,376; June 5.
- Denda, Friedrich W., Cleveland, Ohio. Parachute. 1,679,242; July 31.
- Denelsbeck, David, and C. D. Dille, Newark, assignors to The Owens Bottle Company, Toledo, Ohio. Ware rack. 1,692,631; Nov. 20.
- Denholm, Thomas D., Brixton Hill, London, England. Pump. 1,659,860; Feb. 21.
- Deninson, Jacob Z. A., New York, N. Y. Testing vision. 1,686,962; Oct. 9.
- Denio, Robert. (See Denio, Robert J., assignor.)
- Denio, Robert J., Oakland, assignor to R. Denio, Modesto, Calif. Automobile elevating apparatus. 1,684,729; Sept. 18.
- Denison, Frederick S. (See Sweatt, H. W., and Denison.)
- Denison, Frederick S., assignor to Minneapolis Heat Regulator Company, Minneapolis, Minn. Ignition-controlling means. 1,673,063; June 12.
- Denison Manufacturing Company. (See McKeeby, James S., assignor.)
- Denison, Paul A., Lorenzo, Tex. Adjusting means for hster cultivators. 1,655,456; Jan. 10.
- Denman, Arthur G., Sedan, Kans. Wall brush. 1,663,194; Mar. 20.
- Denman, Clifford K., Los Angeles, Calif. Extensible rule. 1,670,025; May 15.
- Denman, Clifford K., Los Angeles, Calif. Automobile hood illumination. 1,676,431; July 10.
- Denman, Ira O., and C. W. Watson, Toledo, Ohio; said Watson assignor to said Denman. Hand grip for golf clubs or the like. 1,692,201; Nov. 20.
- Denman, Rene E., Kansas City, Mo. Flower holder. 1,693,372; Nov. 27.
- Denman, Truman F., assignor of one-half to F. J. Hemmerle, San Francisco, Calif. Fruit-juice dispenser. 1,672,930; June 12.
- Dennire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Tire-finishing machine. 1,664,163; Mar. 27.
- Dennire, Harold A., assignor to The General Tire & Rubber Company, Akron, Ohio. Watchcase heater. 1,670,284; May 15.
- Dennedy, James H., Detroit, Mich., assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Artificial-refrigerating apparatus. 1,674,162; June 19.
- Dennemark, Henry K., Lombard, Ill. Golf-ball retriever. 1,659,482; Feb. 14.
- Denney, Lawrence A., Chicago, Ill. Apparatus for forming rope mats. 1,675,881; July 3.
- Denni, Harry, Kansas City, Mo. Grating. 1,665,846; Apr. 10.
- Dennies, Douglas B., and C. Wilson, Taft, Calif. Fluid elevator. 1,666,962; Apr. 24.
- Dennis, Basil W., Columbus, Ohio. Expansion joint or coupling. 1,674,277; June 19.
- Dennis, Gertrude B., Steamboat Springs, Colo. Face-powder container. 1,670,881; May 22.
- Dennis, Harry H. (See Cahill, H. A., and Dennis.)
- Dennis, Hubert W., London, England. Valve. 1,677,126; July 17.
- Dennis, Hugh, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Bone shaping and threading device. 1,655,943; Jan. 10.
- Dennis, Hugh, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Combination heat and light therapy lamp. 1,656,777; Jan. 17.
- Dennis, K. W., et al. (See Brown, William S., assignor.)
- Dennis, John E., London, Ontario, Canada. Metal window construction. 1,695,576; Dec. 18.
- Dennis, Olive W., Baltimore, Md. Ventilator. 1,693,108; Nov. 27.
- Dennis, Samuel K., assignor to International Harvester Company, Chicago, Ill. Cultivator. 1,667,374; Apr. 24.

- Dennis, Samuel K., assignor to International Harvester Company, Chicago, Ill. Land-roller bearing. 1,677,127; July 17.
- Dennis, Samuel K., Chicago, Ill., assignor to International Harvester Company. Cotton planter. 1,677,469; July 17.
- Dennis, Samuel K., Chicago, Ill., assignor to International Harvester Company. Multiple dispensing mechanism. 1,681,930; Aug. 28.
- Dennis, Walcott. (See Schlitt, J. L., and Dennis.)
- Dennis, William J., Chicago, Ill. Weather strip. 1,666,327; Apr. 17.
- Dennis, William J., Chicago, Ill. Weather strip. 1,666,328; Apr. 17.
- Dennis, William J., Chicago, Ill. Weather strip. 1,667,144; Apr. 24.
- Dennis, William J., Chicago, Ill. Weather stripping. 1,675,844; July 3.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Water-temperature-control valve. 1,655,944; Jan. 10.
- Dennison, French E., and W. S. Ireland, assignors to National Refrigeration Corporation, Beloit, Wis. Filter and method of making. 1,690,282; Nov. 6.
- Dennison, French E., assignor to National Refrigeration Corporation, Beloit, Wis. Refrigerating apparatus. 1,694,532; Dec. 11.
- Dennison Manufacturing Company. (See Garniss, Arthur L., assignor.)
- Dennison Manufacturing Company. (See McNally, William J., assignor.)
- Dennison Manufacturing Company. (See Thompson, Frank H., assignor.)
- Dennison Manufacturing Company. (See Willis, Charles C., assignor.)
- Dennison, Robert L., New York, N. Y. Internal-combustion engine. 1,662,740; Mar. 13.
- Dennison, Robert L., New York, N. Y. Differential gear. 1,680,134; Aug. 7.
- Dennison, Robert L., New York, N. Y. Thrust bearing. 1,684,012; Sept. 11.
- Dennison, Robert L., Kansas City, Mo. Differential gearing. 1,690,189; Nov. 6.
- Dennison, Robert L., New York, N. Y. Differential gearing. 1,691,230; Nov. 13.
- Denniston, Jonathan W., Bedford, Ind. Circuit closer. 1,666,122; Apr. 17.
- Denny, H. C. (See Hughes, Charles H., assignor.)
- Denny, Levi P., Berkeley, Calif. Hour glass. 1,694,059; Dec. 4.
- Denny, Samuel W., Detroit, Mich. Tobacco container. 1,659,292; Feb. 14.
- De Nova, Everett A., Pawhuska, Okla. Golf-bag holder. 1,683,169; Sept. 4.
- De Novo, Charles, Oak Park, Ill. Steam boiler. 1,668,193; May 1.
- Densmore, Albert A., Boston, Mass., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Power-transmission apparatus. 1,688,486; Oct. 23.
- Dent Hardware Company. (See Schrader, Thomas O., assignor.)
- Dent, Helene, administratrix. (See Dent, Herbert A.)
- Dent, Herbert A., Chicago, Ill., deceased; H. Dent, administratrix of said H. A. Dent. Automobile radiator cap. 1,681,843; Aug. 21.
- Dent, John A. (See Sessions, Charles R., assignor.)
- Dental Cleanser Company. (See Hope, Frederick T., assignor.)
- Dentists' Supply Company, The. (See Clapp, G. W., Tench, and Dunham, assignors.)
- Dentists' Supply Company, The. (See Gibson, Albert E., assignor.)
- Dentists' Supply Company, The. (See Gibson, Joseph F., assignor.)
- Dentists' Supply Company, The. (See Gysi, Alfred, assignor.)
- Dentists' Supply Company, The. (See Whiteley, George H., jr., assignor.)
- Dentler, Arthur L., and R. L. Lesch, Portland, Oreg. Tire-pressure indicator. 1,671,515; May 29.
- Denver Rock Drill Manufacturing Company, The. (See Clark, Omar E., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Nelson, Paul A., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Terry, Edward F., jr., assignor.)
- Denver Tent & Awning Company, The. (See Roth, C. C., and Campbell, assignors.)
- Deny, Henry F., Maryland, Md. Motor. 1,665,581; Apr. 10.
- Deny, Henry F., Maryland, Md. Bottle cap. 1,671,015; May 22.
- Denyes, Harry M. (See Seabolt, E. W., and Denyes.)
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Vehicle steering and controlling mechanism. 1,658,554; Feb. 7.
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Horn button. 1,658,555; Feb. 7.
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Antirattle bracelet. 1,664,669; Apr. 3.
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Control assembly. 1,670,847; May 22.
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Steering mechanism. 1,670,848; May 22.
- Denyes, Harry M., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Steering gear. 1,675,645; July 3.
- Denz, Emil A. (See Denz, E. A., Kelley, and Titus, assignors.)
- Denz, Emil A., and J. E. Titus, Chicago, Ill. Frying machine. 1,688,315; Oct. 16.
- Denz, Emil A., J. T. Kelley, and J. E. Titus, Chicago, Ill., said Kelley and Titus assignors to said Denz. Frying machine. 1,690,104; Nov. 6.
- De Orlo, Stephen, Lansing, assignor to General Motors Corporation, Detroit, Mich. Steering-column support. 1,655,138; Jan. 3.
- De Palma, Ralph, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,673,809; June 19.
- De Pamphilis, Gennaro, New York, N. Y. Printing-press gauge. 1,678,724; July 31.
- De Pascal, Vincent, Marseille, France. Ring for a shoe heel or similar article. Des. 77,226; Dec. 18.
- Depew, James I., Loup City, Nebr. Plowshare and cultivator shovel straightener. 1,668,633; May 8.
- Depew, John, assignor to I. Lauter, New York, N. Y. Loud speaker. 1,658,479; Feb. 7.
- De Ponthiere, Philippe. (See Robin, L., and de Ponthiere.)
- De Postels, Theodore A., New York, N. Y. Drafting appliance. 1,657,301; Jan. 24.
- De Potter, Edward F. (See Paschen, H. F., and De Potter.)
- De Potter, Edward F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Loading device for conveying systems. 1,679,411; Aug. 7.
- De Potter, Edward F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Unloading device for conveying systems. 1,679,412; Aug. 7.
- Deppe, Theodor, Leipzig, Germany. Safety apparatus for supporting ladders. 1,656,817; Jan. 17.
- Deppe, William P. (See Parsons, Charles E., assignor.)
- Deppe, William P. (See Strong, William E. S., assignor.)
- Deppe, William P., Brightwaters, N. Y. Manifold for internal-combustion engines. 1,667,886; May 1.
- Deppe, William P., Brightwaters, N. Y. Internal-combustion engine. 1,685,564; Sept. 25.
- Deppe, William P., Brightwaters, N. Y. Superheat system for internal-combustion engines. 1,689,942; Oct. 30.
- Deppe, William P., Brightwaters, and L. L. Summers, deceased, New York, N. Y.; L. L. B. Sommers and A. Young, administrators. Distilling hydrocarbon oils. 1,666,051; Apr. 10.
- Deppeler, John H., Weehawken, assignor to Metal & Thermit Corporation, Carteret, N. J. Forming slag-free thermit welds. 1,671,412; May 29.
- Deppeler, John H., Weehawken, N. J., assignor to Metal & Thermit Corporation, Carteret, N. J. Apparatus for welding rails under traffic. 1,681,571; Aug. 21.
- Deppeler, John H., Weehawken, assignor to Metal & Thermit Corporation, Carteret, N. J. Welding high-carbon steel. 1,686,603; Oct. 9.
- Deppeler, John H., Weehawken, N. J., assignor to The Heat Research and Service Corporation, Wilmington, Del. Thermal mine. 1,695,089; Dec. 11.
- Deptula, Carl, assignor of one-half to A. Tereba, New Britain, Conn. Electric floor scrubber. 1,661,412; Mar. 6.
- De Pue, James C., assignor of one-half to C. A. Meyer, San Antonio, Tex. Variable inductance. 1,684,013; Sept. 11.
- Dequer, John H., Los Angeles, Calif. Electric therapeutic appliance. 1,690,926; Nov. 6.
- Deray Manufacturing Corporation. (See De Veau, Harry R., assignor.)
- Derby, Charles D. (See Dawley, J. C., Derby, and Killan.)
- Derby Company, The. (See Warren, Frank, assignor.)
- Derby, Frank H., assignor to Erie Foundry Company, Erie, Pa. Power hammer. 1,671,516; May 29.
- Derby, William V., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Apparatus for feeding articles. 1,658,837; Feb. 14.
- Derby, William V., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Crown- ing machine. 1,668,305; May 1.
- De Reamer, Frank C. (See Sargent, H. R., and De Reamer.)
- De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Combined switch and plug receptacle. 1,669,120; May 8.
- De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Push-button switch. 1,673,667; June 12.
- De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Hanging means for electric fans and the like. 1,685,669; Sept. 25.
- De Reamer, William J. (See Coil, W. D., and De Reamer.)
- De Reamer, William J., Crown Point, Ind., assignor, by mesne assignments, to Mapes Consolidated Manufacturing Company, Griffith, Ind. Machine for manufacturing pulp products. 1,672,931; June 12.
- De Reign, Robert W., Santa Barbara, Calif. Music-leaf turner. 1,685,024; Sept. 18.
- De Remer, Robert, Alcester, S. Dak. Fence-post extension. 1,668,233; May 1.

- De Renzis, Guglielmo, Sarzana, Italy. Apparatus for the manufacture of bottles and other glass hollow ware. 1,676,981; July 10.
- Déri, Stephen, and M. Deak, assignors of one-fourth to R. Nohavicka, Fairmont, W. Va. Rail joint. 1,695,140; Dec. 11.
- Derk, Joseph, assignor to The Derk Manufacturing Company, Doylestown, Pa. Table scarf. Des. 74,557; Feb. 28.
- Derk, Joseph, assignor to The Derk Manufacturing Company, Doylestown, Pa. Textile fabric. Des. 74,782; Mar. 27.
- Derk, Joseph, assignor to The Derk Manufacturing Company, Doylestown, Pa. Pillowcase. Des. 74,865; Apr. 10.
- Derk, Joseph, assignor to The Derk Manufacturing Company, Doylestown, Pa. Textile fabric. Des. 75,016; May 1.
- Derk, Joseph, assignor to The Derk Manufacturing Company, Doylestown, Pa. Table scarf. Des. 76,342; Sept. 18.
- Derk, Joseph, assignor to The Derk Manufacturing Company, Doylestown, Pa. Table scarf or similar article. Des. 76,459; Oct. 2.
- Derk Manufacturing Company, The. (See Derk, Joseph, assignor.)
- De Rodes, Harry, assignor of one-half to P. M. De Rodes, North Baltimore, Ohio. Lever-control shifting mechanism. 1,671,815; May 29.
- De Rodes, Pearl M. (See De Rodes, Harry, assignor.)
- De Roos, Frank, Springfield, S. Dak. Loading chute. 1,665,493; Apr. 10.
- De Rose, Albert, Gilroy, Calif. Mop. 1,666,371; Apr. 17.
- Derr, Harry E., sr., New York, N. Y., assignor to International Harvester Company. Self-aligning bearing for shafts. 1,677,514; July 17.
- Derr, Ralph B., Oakmont, Pa., assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Purifying water. 1,680,506; Aug. 14.
- Derrick, James W., Philadelphia, Pa. Vehicle jack. 1,661,882; Mar. 6.
- Derrick, John R., Roanoke, Va. Lubricating device. 1,669,603; May 15.
- Derrick, William I., Davenport, Iowa. Rotary pump. 1,661,325; Mar. 6.
- Derrick, William I., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Pump. 1,665,687; Apr. 10.
- Derrick, William I., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Pump. 1,665,688; Apr. 10.
- Derrick, William I., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Pump. 1,665,689; Apr. 10.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Cutting and timing mechanism for wrapping machines. 1,656,429; Jan. 17.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Stop mechanism for presses. 1,657,499; Jan. 31.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Friction driving mechanism. 1,669,553; May 15.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Newton, Mass. Tension mechanism. 1,669,554; May 15.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Tape-applying mechanism. 1,671,980; June 5.
- Derry, Jasper, Medford, assignor to A. Terkelsen, Boston, Mass. Roll holder for wrapping machines. 1,673,444; June 12.
- Derry, Jasper, Medford, assignor to Andrew Terkelsen, Boston, Mass. Wrapping or unwrapping machine. 1,674,278; June 19.
- Dershimer, Titus D., Clarks Summit, Pa. Folding crate. 1,682,489; Aug. 28.
- Derson, John J., Columbus, Ohio. Glove-turning machine. 1,668,397; May 1.
- De Rueda, Manuel G., Paris, France. Pump and like engine. 1,692,290; Nov. 20.
- De Ruvo, Joseph, New York, N. Y. Heating apparatus. 1,696,078; Dec. 18.
- Derwish, Emen, Fertie, Minn. Folding chair. 1,683,532; Sept. 4.
- De Salvo, Pete, Houston, Tex. Arch support. 1,668,054; May 1.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead covering. 1,664,196; Mar. 27.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Wire-covering device. 1,674,767; June 26.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for cutting rubber sheets. 1,678,036; July 24.
- Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead-covering machine. 1,680,091; Aug. 7.
- D'Escayrac, Bernard, assignor to Guerlain Perfumery Corporation of New York, New York, N. Y. Perfume bottle. Des. 74,418; Feb. 14.
- D'Escayrac, Bernard, assignor to Guerlain Perfumery Corporation of New York, New York, N. Y. Box or similar container for a bottle. Des. 75,098; May 8.
- D'Escayrac, Bernard, New York, N. Y., assignor to Guerlain Perfumery Corporation of New York. Bottle. Des. 76,291; Sept. 11.
- Deschâtres, François A. H. (See Vulliet, H. G. R., and Deschâtres.)
- Deschler, Edward L. (See Day, J. L., and Deschler.)
- Des Combes, Lloyd E., Springfield, Ohio, assignor to International Harvester Company. Spring-colling machine. 1,673,185; June 12.
- De Sena y Freixas, Luis, Habana, Cuba. Mosquito bar (or net) carrier. 1,687,862; Oct. 16.
- Des Enfants, Ernest C., assignor to J. B. Carroll Company, Chicago, Ill. Toy computing device and number-revealing game. 1,666,641; Apr. 17.
- De Sherbinin, Eric M. (See Kehoe, J. J., jr., Morson, and De Sherbinin.)
- Deshon, Eduardo R., Chinandega, Nicaragua, Central America. Hinge. 1,661,113; Feb. 28.
- Design Laboratories, Incorporated. (See Wilson, Edwin B., assignor.)
- Desloge, Joseph, assignor to Killark Electric Manufacturing Company, St. Louis, Mo. Transformer. 1,666,889; Apr. 24.
- Des Moines Silo & Manufacturing Company. (See Lydon, Patrick C., assignor.)
- Desnoyers, Willis L., Montclair, assignor to The Regina Corporation, Rahway, N. J. Attachment for vacuum cleaners. 1,657,111; Jan. 24.
- De Soto Chemical Company. (See Gaskins, Thomas, jr., assignor.)
- Despard, Victor R., Valparaiso, Ind., assignor to McGill Manufacturing Company. Multiple-series switch. 1,669,372; May 8.
- Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Rotary snap switch. 1,669,374; May 8.
- Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Husk or socket housing. 1,676,254; July 10.
- Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Electrical fixture with convenience outlet. 1,689,232; Oct. 30.
- Despard, Victor R., Valparaiso, Ind., assignor to McGill Manufacturing Company. Bracket socket. 1,690,283; Nov. 6.
- Despard, Victor R., and H. C. R. Popp, Valparaiso, Ind., assignors to McGill Manufacturing Company. Operating means for rotary switches. 1,669,373; May 8.
- Despard, Victor R., and H. C. R. Popp, assignors to McGill Manufacturing Company, Valparaiso, Ind. Electric cluster lamp body and shade holder. 1,678,331; July 24.
- Despecher, Mary F., Ralston, Nebr. Flag. 1,663,400; Mar. 20.
- Des Rosiers, John B., Providence, R. I. Controlling mechanism for wheel brakes. 1,696,839; Dec. 25.
- Desroziers, Edouard J., Paris, France. Friction member for brakes, clutches, and the like. 1,656,778; Jan. 17.
- Desroziers, Edouard J., Paris, France. Friction member for brakes, clutches, and the like. 1,656,779; Jan. 17.
- De Staffany, Gus, sr., Liberty, Wash. Roller logging conveyer. 1,668,634; May 8.
- De Stefani, Tully, assignor to Liquid Carbonic Co., Chicago, Ill. Draft arm for soda fountains. Des. 74,419; Feb. 14.
- De Stefani, Tully, assignor to Liquid Carbonic Co., Chicago, Ill. Draft arm for soda fountains. 1,668,635; May 8.
- Destefano, Samuel, Monessen, Pa. Basket-ball game. 1,661,216; Mar. 6.
- Dester, William F., Newark, assignor to U. S. Tool Co., Inc., East Orange, N. J. Safety igniter for gas stoves. 1,664,917; Apr. 3.
- Dester, William F., Newark, assignor to U. S. Tool Co., Inc., East Orange, N. J. Safety gas-stove igniter. 1,664,918; Apr. 3.
- Dester, William F., Newark, assignor to U. S. Tool Co., Inc., East Orange, N. J. Selective igniter for multiple gas burners. 1,686,604; Oct. 9.
- Destor, William F., Newark, assignor to U. S. Tool Co., Inc., East Orange, N. J. Gas-burner igniter. 1,688,487; Oct. 23.
- Desy, Irene, Lewistown, Mont. Weeder. 1,656,146; Jan. 10.
- De Tar, Donald R., Schenectady, N. Y., assignor to General Electric Company. Control apparatus. 1,680,732; Aug. 14.
- De Tartas, Augustus R., Long Island City, assignor to E. C. Weller and E. W. Duke, New York, N. Y., and J. B. Cornell, Orange, N. J. Antiglare attachment for headlights. 1,680,037; Aug. 7.
- Detectol Manufacturing Company, The. (See Taylor, Harden E., assignor.)
- De Tirtoff, Romain (Érté), Paris, France, assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Towel. Des. 76,656; Oct. 16.
- De Tirtoff, Romain (Érté), Paris, France, assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Towel. Des. 76,657; Oct. 16.
- Detjen, Henry C., Fredericksburg, Tex. Pneumatic horse collar. 1,656,666; Jan. 17.
- Detjensen, Peter, North Bend, Nebr. Trimming tool. 1,675,535; July 3.
- Detmer, Ralph G., assignor to The American Frog & Switch Company, Hamilton, Ohio. Railway frog. 1,656,100; Jan. 10.
- Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Söderberg, Carl W., assignor.)

- Det Norske Aktieselskab for Elektrokemisk Industri. (See Wæthter, Martin, assignor.)
- Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Westly, Jens, assignor.)
- De Trey Brothers Ltd. (See Poller, Alphons, assignor.)
- De Trey, Emanuel, Zurich, Switzerland. Kneading device. 1,694,845; Dec. 11.
- Detroit Aircraft Engine Corporation. (See Angle, Glenn D., assignor.)
- Detroit Broach Corporation. (See De Voe, W., and Ward, assignors.)
- Detroit Concrete Receptacle Company. (See Urban, Joseph P., assignor.)
- Detroit Insulated Wire Company. (See Hunter, Joseph H., assignor.)
- Detroit Lubricator Company. (See Blanchard, Frederick C., assignor.)
- Detroit Lubricator Company. (See Duffield, George B., assignor.)
- Detroit Lubricator Company. (See Forster, Alfred D. J., assignor.)
- Detroit Motor Appliance Company. (See Crawford, Howard H., assignor.)
- Detroit Patents Holding Company. (See Haggart, John C., jr., assignor.)
- Detroit Steel Products Company. (See Barclay, Gustaf L., assignor.)
- Detroit Stoker Company. (See Beers, Royce L., assignor.)
- Detroit Sulphite Pulp & Paper Co. (See Crane, Frank G., assignor.)
- Detroit Trust Company. (See Copland, Alexander W., assignor.)
- Detroit Trust Company. (See Copland, A. W., and Mathewson, assignors.)
- Detroit Vapor Stove Company. (See Sherman, A. G., and Meadows, assignors.)
- Detroit Vapor Stove Co., The. (See Sherman, A. G., Smith, Ramig, and Roose, assignors.)
- Dettelbach, Samuel, et al. (See Jaworowski, Joseph F., assignor.)
- Dettelbach, Samuel E., et al. (See Jaworowski, Joseph F., assignor.)
- Dettorre, Pierino. (See Ghetia, N. V., and Dettorre.)
- Detwiler, Benjamin R., and H. L. Raab, Washington, D. C. Milk bottle. Des. 74,482; Feb. 21.
- Detwiler, Daniel W., Rosebud, Alberta, Canada. Grain cleaner. 1,666,370; Apr. 17.
- Detwiler, Daniel W., Rosebud, Alberta, assignor to Western Steel Products Limited, Winnipeg, Canada. Combined grain cleaner and elevator. 1,679,516; Aug. 7.
- Deubel, Karl, Newark, N. J. Window liquid. 1,672,604; June 5.
- Deuel, Albert F., assignor to W. F. Emerson, Buffalo, N. Y. Stabilizer. 1,669,232; May 8.
- Deuel, Albert F., assignor to W. F. Emerson, Buffalo, N. Y. Stabilizer. 1,671,704; May 29.
- Deuley, Harvey H., Parkersburg, W. Va. Glass-teeming apparatus. 1,677,275; July 17.
- Deuring, Fritz R., Munich-Gladbach, Germany. Feed and traversing motion for lathes. 1,665,158; Apr. 3.
- Deuta-Werke vormals Deutsche Tachometerwerke G. m. b. H. (See Erfurth, Wilhelm, assignor.)
- Deutman, Max, St. Louis, Mo. Sash-cord holder and connector. 1,658,709; Feb. 7.
- Deutsch, Edward L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical system. 1,671,068; May 22.
- Deutsch, Hans. (See Baum, E., Deutsch, Herrmann, and Mugdan.)
- Deutsch, Leonhard, and I. Thorn, Vienna, Austria, assignors to The Selden Company, Pittsburgh, Pa. Producing light-colored and color-fast, hard, infusible, and insoluble products of condensation of phenols and aldehydes. 1,678,107; July 24.
- Deutsch, Leonhard, and I. Thorn, Vienna, Austria, assignors to The Selden Company, Pittsburgh, Pa. Hardening the products of condensation of phenols and aldehydes. 1,678,108; July 24.
- Deutsche Edlethaltwerke Aktiengesellschaft. (See Pakulla, Edmund, assignor.)
- Deutsche Glühfadefabrik Richard Kurtz & Dr. Ing. Paul Schwarzkopf G. m. b. H. (See Schwarzkopf, Paul, assignor.)
- Deutsche Gold- und Silberscheideanstalt. (See Riefenstahl, Gustav, assignor.)
- Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Stark, Hans, assignor.)
- Deutsche Werke Kiel Aktiengesellschaft. (See Kade, Friedrich, assignor.)
- Deutsche Werke Kiel, Aktiengesellschaft. (See Schmock, Erich, assignor.)
- Deutscher, William, New York, N. Y. Floor cleaner. 1,687,283; Oct. 9.
- Deutschmann, Tobe C., Boston, Mass. Condenser. 1,671,148; May 29.
- Deutschman, Tobe C., Boston, Mass. Loop antenna. 1,696,529; Dec. 25.
- Deutschemeister, Abraham, New York, N. Y. Advertisement carrier. 1,677,022; July 10.
- Deutschemeister, Abraham, Bronx, N. Y. Advertisement carrier. 1,682,167; Aug. 28.
- Deutschemeister, Herman, New York, N. Y. Combination sample and pamphlet carrier. 1,677,023; July 10.
- De Vadimon, Guy. (See Chaumet, Georges.)
- De Veau, Harry R., Stamford, Conn., assignor to Deray Manufacturing Corporation, Dover, Del. Sliding automobile seat. 1,688,316; Oct. 16.
- De Velbiss, David E., San Francisco, Calif., assignor to Pacific Coast Manufacturing Company, Reno, Nev. Pressure equalizer for oil burners. 1,657,246; Jan. 24.
- De Velder, John F., Rochester, N. Y. Sanitary garbage can. 1,659,726; Feb. 21.
- Devenere, Anthony J., Trenton, N. J. Window-cleaning device. 1,693,336; Nov. 27.
- Dever, Bernard J., Oakland, Calif. Self-raising seat. 1,695,800; Dec. 18.
- Devereaux, William C., Detroit, Mich. Automobile door handle or similar article. Des. 76,671; Oct. 23.
- Devereaux, William C., Detroit, Mich. Door latch. 1,663,245; Mar. 20.
- Devereaux, William C., Detroit, Mich. Lock-shaft-securing means. 1,685,316; Sept. 25.
- Devereaux, William C., Detroit, Mich. Latching means for door-lock handles. 1,685,317; Sept. 25.
- Devereaux, William C., assignor to Ferro Stamping & Mfg. Company, Detroit, Mich. Handle. 1,659,592; Feb. 21.
- Devereux, Arthur M., Castine, Me. Pendant crossing guard with deflector. 1,669,695; May 15.
- Devereux, Francis C., Minas de Matahambre, Cuba. Valve. 1,657,663; Jan. 31.
- De Vore, Joseph, Oakland, Calif. Apparatus for electroplating and the like. 1,677,817; July 17.
- Devick, Joseph C., Helena, Mont., assignor to American Smelting and Refining Company, New York, N. Y. Pallet and grate for sintering machine. 1,669,458; May 15.
- Devick, Joseph C., Helena, Mont., assignor to American Smelting and Refining Company, New York, N. Y. Muffle for sintering machines. 1,692,976; Nov. 27.
- De Vilbiss Company, The. (See De Vilbiss, Thomas A., assignor.)
- De Vilbiss Company, The. (See Mueller, Godfrey A., assignor.)
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Powder and puff case. Des. 74,420; Feb. 14.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. Des. 75,899; July 31.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer support. Des. 75,900; July 31.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer top. Des. 75,901; July 31.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer top. Des. 75,902; July 31.
- De Vilbiss, Thomas A., assignor to The Ames Brush Company, Toledo, Ohio. Brush back. Des. 76,460; Oct. 2.
- De Vilbiss, Thomas A., assignor to The Ames Brush Company, Toledo, Ohio. Brush back. Des. 76,461; Oct. 2.
- De Vilbiss, Thomas A., assignor to The Ames Brush Company, Toledo, Ohio. Brush back. Des. 76,462; Oct. 2.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. Des. 76,463; Oct. 2.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. Des. 76,464; Oct. 2.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. Des. 76,465; Oct. 2.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,298; Dec. 25.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,299; Dec. 25.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,300; Dec. 25.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,301; Dec. 25.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,302; Dec. 25.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,303; Dec. 25.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Company, Toledo, Ohio. Tray or similar article. Des. 77,304; Dec. 25.
- De Villegas, Rafael D., Allston, Mass. Shaving brush. 1,695,141; Dec. 11.
- Devine, Charles G., Dorchester, Mass. Football game. 1,654,582; Jan. 3.
- Devine, John A., Thorold, Ontario, Canada. Paper-making machine. Re16,883; Feb. 21.
- Devine, Joseph P., Buffalo, N. Y. Drying materials. 1,678,559; July 24.
- Devine, Mary T., East Las Vegas, N. Mex., assignor to E. S. Tipton, New York, N. Y. Dust-excluding cover for dishes. 1,655,597; Jan. 10.
- De Vito, Louis, Cleveland, Ohio. Dough kneader. 1,681,844; Aug. 21.
- De Villeg, Gerard A., Rockford, Ill. Tool-spindle fixture. 1,682,836; Sept. 4.
- De Villeg, Gerard A., Rockford, Ill. Table-control mechanism. 1,686,268; Oct. 2.

- Devlin, Charles J. I., San Francisco, Calif. Container with cover-lifting auxiliaries. 1,690,479; Nov. 6.
- De Voe, William, Worcester, Mass., and J. J. Ward, assignors to Detroit Broach Corporation, Detroit, Mich. Broach with adjustable broaching members. 1,692,977; Nov. 27.
- De Vogel, John, Paterson, N. J. Reel. 1,658,799; Feb. 14.
- De Vol, James C., Battle Creek, Mich. Metal tile. 1,662,456; Mar. 13.
- Devon Manufacturing Company. (See Lundgaard, Ivar, assignor.)
- De Vore, Thomas C., Chicago, Ill. Smoking pipe. 1,672,307; June 5.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lamp standard. Des. 74,723; Mar. 20.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lighting bracket. Des. 74,783; Mar. 27.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lighting standard. Des. 74,784; Mar. 27.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lighting standard. Des. 74,785; Mar. 27.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Post cap. Des. 74,826; Apr. 3.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Head for lighting standards. Des. 74,866; Apr. 10.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Lamp standard. Des. 75,099; May 8.
- De Vries, Andrew, South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Base for a lighting standard. Des. 75,225; May 22.
- De Vries, Jacob J., Sanborn, Iowa. Self-cleaning cultivator shovel. 1,692,250; Nov. 20.
- De Vries, Louis, Chicago, Ill. Incubator. 1,661,413; Mar. 6.
- De Vry Corporation, The. (See de Vry, Herman A., assignor.)
- De Vry, Herman A., assignor to The De Vry Corporation, Chicago, Ill. Portable motion-picture projector. 1,687,724; May 1.
- De Vry, Herman A., assignor to The De Vry Corporation, Chicago, Ill. Film reel. 1,696,473; Dec. 25.
- De Waern, Bror A., assignor to J. & C. G. Bolinders Mekanska Verkstads Aktiebolag, Stockholm, Sweden. Starting and controlling device for internal-combustion motors. 1,684,299; Sept. 11.
- De Wallace, Harry, Syracuse, N. Y. Bottle closure. 1,681,976; Aug. 28.
- De Wallace, Harry, assignor to Kleen Kap Corporation, Syracuse, N. Y. Bottle closure. 1,662,239; Mar. 13.
- De Walt, Raymond E., Leola, Pa. Drill or mortising machine. 1,683,763; Sept. 11.
- Dewandre, Albert, assignor to Servo-Frein Dewandre Société Anonyme, Liege, Belgium. Valve mechanism. 1,675,023; June 26.
- Dewar, James, Chicago, Ill. Cinder-notch stopper. 1,676,530; July 10.
- De Wasmundt, Wladimir, Paris, France. Motor without crank shaft. 1,673,968; June 19.
- De Weese, John H., Dayton, Ohio. Display stand. Des. 76,381; Sept. 25.
- De Wein, George F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Valve. 1,671,069; May 22.
- Dewend, William D., assignor to Oliver Chilled Plow Works, South Bend, Ind. Harrow. 1,669,080; May 8.
- Dewend, William D., South Bend, Ind., assignor to Oliver Chilled Plow Works. Soil-pulverizing implement. 1,691,565; Nov. 13.
- Dewes, Arthur B., St. Louis, Mo. Amusement device. 1,684,535; Sept. 18.
- Dewey, Clarence L., Elkhart, Ind. Vanity box. 1,663,244; Mar. 20.
- Dewey, Clarence L., Elkhart, Ind. Decorating fish lures. 1,664,402; Apr. 3.
- Dewey, Clarence L., Elkhart, Ind. Light projector. 1,689,740; May 15.
- Dewey, Clarence L., Elkhart, Ind., assignor to Outing Manufacturing Co. Stringed musical instrument. 1,678,136; July 24.
- Dewey, Ellsworth A., Miami, Fla. Delivery and conveying mechanism. 1,656,909; Jan. 24.
- Dewey, Fred G., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Storage-battery terminal. 1,671,016; May 22.
- Dewhurst, Frank, assignor to Baker Perkins Limited, Peterborough, England. Ironing machine. 1,667,774; May 1.
- Dewhurst, William, Methuen, Mass. Electric stopping device for stretching machines. 1,696,109; Dec. 18.
- De Wick, William H., Brooklyn, N. Y. Banjo or the like musical instrument. 1,681,143; Aug. 14.
- De Willy, Francis, Los Angeles, Calif. Transformer. 1,687,973; Oct. 16.
- De Willy, Francis, New York, N. Y. Power-supply unit for radio sets. 1,690,814; Nov. 6.
- Dewire, John A., assignor, by mesne assignments, to The Kingsley-Miller Company, Chicago, Ill. Radiator cap. 1,673,810; June 19.
- De Witt, Clarence N. (See Gardner, William H., assignor.)
- De Witt, Clarence N., Los Angeles, Calif. Folding kite. 1,690,362; Nov. 6.
- De Witt, Gale B., Comanche, Okla. Pneumatic well. 1,670,957; May 22.
- De Wolf, Ernest A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Creel. 1,660,299; Feb. 21.
- De Wolf, Ernest A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Cop holder for winding machines. 1,661,066; Feb. 28.
- Dexdale Hosiery Mills. (See Matthews, Howard W., assignor.)
- Dexter, Albert J., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Mold-opening machine. 1,671,355; May 29.
- Dexter, Carl J., La Fayette, Ind. Building-block mold. 1,693,693; Dec. 4.
- Dexter, Edwin G., Washington, D. C. Support and container. 1,657,664; Jan. 31.
- Dexter Folder Company. (See Belluche, Elmer W., assignor.)
- Dexter Folder Company. (See Christophel, Carl E., assignor.)
- Dexter Folder Company. (See Goodwin, Edwin W., assignor.)
- Dexter Folder Company. (See Rader, Earl D., assignor.)
- Dexter, Lucien A., assignor to National Brass Company, Grand Rapids, Mich. Locking rosette. 1,681,147; Aug. 14.
- Dexter, Robert G., and S. S. Auchincloss, jr., Boston, Mass. Spotlight. 1,655,359; Jan. 8.
- Dexter, Talbot C., Pearl River, N. Y. Paper-folding machine. 1,673,064; June 12.
- Dexter, Talbot C., Pearl River, N. Y. Paper-cutting machine. 1,673,065; June 12.
- Dexter, Talbot C., Pearl River, N. Y. Paper-feeding machine. 1,691,963; Nov. 20.
- De Ybarrodo, Vincent C., Los Angeles, Calif. Film-developing machine having positive drive. 1,654,723; Jan. 3.
- Deziel, William. (See Burk, Archie, assignor.)
- De Zonia, Robert E., assignor of one-fourth to J. N. Ripley, Denver, Colo. Greenhouse protector. 1,682,005; Aug. 28.
- De Zurik, Mathias, Sartell, Minn. Stock-consistency regulator for paper machines. 1,669,412; May 15.
- D'Humy, Fernand E., Englewood, N. J., assignor to Ramp Buildings Corporation, New York, N. Y. Building. 1,658,800; Feb. 14.
- Diago, Federico G., Habana, Cuba. Amphibian balloon. 1,656,780; Jan. 17.
- Diago, Federico G., Habana, Cuba. Toilet appliance. 1,660,260; Feb. 21.
- Dial, Elliott, Bastrop, La. Combined tie plate and rail clamp. 1,671,181; May 29.
- Diamant, Nicholas, assignor to Jamestown Car Parts Mfg. Co., Inc., Jamestown, N. Y. Radiator. 1,694,004; Dec. 4.
- Diamant, Sigismondo, assignor of one-half to C. Scotti, Genoa, Italy. Valve-controlling device for engines and motors. 1,677,552; July 17.
- Diamant, John C., Bridgeton, N. J. Can closure. 1,690,892; Nov. 6.
- Diamond, Claude, Coventry, assignor to Courtaulds Limited, London, England. Esterification of cellulose in presence of a phenol. 1,681,103; Aug. 14.
- Diamond, Grant S., assignor to The Electric Refractories Corp., Buffalo, N. Y. Refractory article and material and making the same. 1,674,961; June 26.
- Diamond, Jacob. (See Diamond, Marcus S., and J.)
- Diamond, James E., Mount Vernon, N. Y., assignor to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,695,417; Dec. 18.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Machine for setting or applying belt fasteners and the like. Re16,925; Apr. 10.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Machine for applying belt fasteners and the like. 1,657,616; Jan. 31.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Machine for applying belt fasteners and the like. 1,689,012; Oct. 23.
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt-fastener-applying machine. 1,689,013; Oct. 23.
- Diamond Machine Company. (See Stratton, Frank E., assignor.)
- Diamond, Marcus S., and J. New York, N. Y. Removable card-table cover. 1,684,173; Sept. 11.
- Diamond Match Company, The. (See Carson, Ira, assignor.)
- Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
- Diamond Match Company, The. (See Rudd, Henry A., assignor.)
- Diamond Match Company, The. (See Wright, Charles F., assignor.)
- Diamond Match Company, The. (See Zomnir, Joseph E., assignor.)
- Diamond Match Company, The. (See Zomnir, J. E., and Pfersch, assignors.)

- Diamond Metal Products Co. (See Browne, Barnett M., assignor.)
- Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
- Diamond Power Specialty Corporation. (See Heaton, Herman C., assignor.)
- Diamond Power Specialty Corporation. (See Mattsson, Alfred G., assignor.)
- Diamond Power Specialty Corporation. (See Rawson, Grant I., assignor.)
- Diamond Power Specialty Corporation. (See Snow, Norman L., assignor.)
- Diamond Ray Light Company, The. (See Wolfe, Arthur W., assignor.)
- Diamond, Samuel. (See Diamond, Marcus, S., and J.)
- Diamond State Fibre Company. (See Behning, Edward F., assignor.)
- Diamond State Fibre Company. (See Landt, Gustave E., assignor.)
- Diamond State Fibre Company. (See McIntosh, James, assignor.)
- Diantoneo, Carmen, Trenton, N. J. Handle guard. 1,659,593; Feb. 21.
- Dibble, Claude M. (See Moore, L., and Dibble.)
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove. Des. 77,305; Dec. 25.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Hinged closure. 1,669,604; May 15.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Stove construction. 1,677,585; July 17.
- Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Element support for electric stoves. 1,695,801; Dec. 18.
- Dibble, Cornelius C., Starrucca, Pa. Chain fastener. 1,654,583; Jan. 3.
- Dibelka, Henry G., assignor to The Kingsley-Miller Company, Chicago, Ill. Radiator cap. Des. 77,306; Dec. 25.
- Dibelka, Henry G., assignor to The Kingsley-Miller Company, Chicago, Ill. Radiator cap. Des. 77,307; Dec. 25.
- Dibner, Abraham B., Brooklyn, N. Y. Electrical cable connector. 1,673,738; June 12.
- Di Bona, George, and T. Jellow, Quincy, Mass. Producing designs upon stones. 1,676,637; July 10.
- Di Carlo, Donato, Philadelphia, Pa. Lamp. 1,683,170; Sept. 4.
- Di Cio, John, et al. (See Shepperack, Joseph E., assignor.)
- Di Cio, John, Norristown, Pa. Women's and misses' underwear. 1,674,618; June 19.
- Dick, A. B., Company. (See Brasseur, Ernest J., assignor.)
- Dick, A. B., Company. (See Davis, Alex B., assignor.)
- Dick, A. B., Company. (See Green, Charles F., assignor.)
- Dick, A. B., Company. (See Smith, Preston R., assignor.)
- Dick, Arthur, and J. A. Dirschauer, Evansville, Ind. Agricultural machine. 1,689,550; Oct. 30.
- Dick, Burns, assignor to Wagner Electric Corporation, St. Louis, Mo. Breaking apparatus. 1,659,811; Feb. 21.
- Dick, Burns, assignor to Wagner Electric Corporation, St. Louis, Mo. Ignition-control mechanism. 1,691,757; Nov. 13.
- Dick Company, A. B. (See Brasseur, Ernest J., assignor.)
- Dick, Emil, Geneva, Switzerland. Protection of lamp controllers. 1,656,321; Jan. 17.
- Dick, Hugo P., Lowell, Mass. Pile fabric. Des. 74,171; Jan. 3.
- Dick, Hugo P., assignor to Merrimack Manufacturing Company, Lowell, Mass. Pile fabric. Des. 75,478; June 12.
- Dick, Hugo P., assignor to Merrimack Manufacturing Company, Lowell, Mass. Pile fabric. Des. 75,722; July 10.
- Dick, Hugo P., assignor to Merrimack Manufacturing Company, Lowell, Mass. Pile fabric. Des. 77,308; Dec. 25.
- Dick, John G., Chinook, Mont. Razor-strop-dressing tool. 1,665,658; Apr. 10.
- Dick, Samuel M., Pasadena, Calif., assignor of one-half to H. H. Ward. Variable-speed transmission mechanism. 1,663,158; Mar. 20.
- Dick, Samuel M., assignor to International Dry Milk Company, Minneapolis, Minn. Apparatus for dehydrating liquids. 1,673,066; June 12.
- Dick, Talbert M., Des Moines, Iowa. Golf-bag support. 1,693,889; Dec. 4.
- Dick, William R., San Diego, Calif. Cooking and heating appliance. 1,676,603; July 10.
- Dick, William R., San Diego, Calif. Cooking utensil. 1,688,690; Oct. 23.
- Dick, William R., San Diego, Calif. Internal-heat-circulating cooking utensil. 1,694,773; Dec. 11.
- Dickelman, Lizzie H., Forest, Ohio. Brooder house. 1,670,932; May 22.
- Dickerman, John A., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Primer. 1,668,951; May 8.
- Dickerson, Catherine R., Chicago, Ill. Sanitary hair receiver. 1,690,927; Nov. 6.
- Dickerson, George, Cleveland, Ohio. Latch mechanism. 1,658,762; Feb. 7.
- Dickerson, Rawson P., East Orange, N. J. Paper cup. 1,687,716; Oct. 16.
- Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Desiccation. 1,658,078; Feb. 7.
- Dickerson, Walter H., East Orange, N. J., assignor to Industrial Waste Products Corporation, Dover, Del. Dehydrating liquids and products obtained thereby. 1,670,101; May 15.
- Dickey, Alexander, Bakersfield, Calif. Socket wrench. 1,658,886; Feb. 14.
- Dickey, Charles O., et al. (See Hartsock, Frank R., assignor.)
- Dickey, Charles T., Elizabeth, N. J. Typewriter platen. 1,668,194; May 1.
- Dickey, Charles T., Elizabeth, assignor to Rodic Rubber Co., Garwood, N. J. Typewriter platen and producing the same. 1,671,763; May 29.
- Dickey, Charles T., Elizabeth, assignor to Rodic Rubber Co., Garwood, N. J. Spring shackle. 1,671,764; May 29.
- Dickey, Charles T., Elizabeth, assignor to Rodic Rubber Company, Garwood, N. J. Machine for extruding tubular articles. 1,679,350; Aug. 7.
- Dickey, Edwin C. M., Newark, N. J. Combination book-case and desk cabinet or similar article. Des. 76,783; Nov. 6.
- Dickey, Ernest, assignor to Delco-Light Company, Dayton, Ohio. Electrical apparatus. 1,668,587; May 8.
- Dickey, Joseph, Synder, Nebr. Door hanger. 1,692,632; Nov. 20.
- Dickey, Leonard E., et al. (See Hartsock, Frank R., assignor.)
- Dickey, Ray S., and P. A. Carnahan, Manhattan, Kans. Insulator-locking device. 1,691,964; Nov. 20.
- Dickey, Robert T., Del Rio, Tex. Automatic float valve. 1,683,171; Sept. 4.
- Dickey, Samuel J. (See Sperry, R. A., Dickey, and Zublin.)
- Dickey, William D., San Mateo, Calif., assignor to American Meter Company, Inc., New York, N. Y. Flag arm and rod assembly. 1,656,697; Jan. 17.
- Dickie, David S., Seattle, Wash. Weed puller. 1,687,974; Oct. 16.
- Dickie, Douglas P., assignor to The Western Union Telegraph Company, New York, N. Y. Dry spot cross-arm terminal box. 1,681,284; Aug. 21.
- Dickie, William A., and J. H. Rooney, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of products having a basis of cellulose derivatives. 1,655,677; Jan. 10.
- Dickinson, Edgar D., Lynn, Mass., assignor to General Electric Company. Electric-ship-propulsion installation. 1,661,883; Mar. 6.
- Dickinson, Edgar D., Beverly, Mass., assignor to General Electric Company. Emergency governor for elastic-fluid turbines and the like. 1,662,104; Mar. 13.
- Dickinson, Edgar D., Beverly, and R. G. Standerwick, Marblehead, Mass., assignors to General Electric Company. Elastic-fluid turbine. 1,675,212; June 26.
- Dickinson, Fairleigh S., and A. W. Fleischer, Rutherford, assignors to Becton, Dickinson & Co., East Rutherford, N. J. Manometer. 1,659,393; Feb. 14.
- Dickinson, Frederick S., New York, N. Y. Strip for cord tires. 1,689,168; Oct. 23.
- Dickinson, Hal, assignor to Duplex Art Sign Company, Minneapolis, Minn. Des. 74,665; Mar. 13.
- Dickinson, Harry E., Houston, Tex. Gas floor furnace. 1,667,625; Apr. 24.
- Dickinson, Harry E., Houston, Tex. Gas burner. 1,696,840; Dec. 25.
- Dickinson, Harry S. (See Berry, B. C., and Dickinson.)
- Dickinson, Harry S., Moline, Ill., assignor, by mesne assignments, to Emerson-Brantingham Corporation, Rockford, Ill. Tandem disk harrow. 1,688,025; Oct. 16.
- Dickinson, Hubert A., Manchester, England. Imitation fire. 1,655,987; Jan. 10.
- Dickinson, Joseph H. (See Dickinson, Merian H. and J. H.)
- Dickinson, Merian H., Seattle, Wash., and J. H. Dickinson, Winter Park, Fla., assignors to Lidgerwood Manufacturing Company, New York, N. Y. Overhead cableway skidding and loading equipment. 1,685,911; Oct. 2.
- Dickinson, Paul, Incorporated. (See Filkins, Arthur J., assignor.)
- Dickinson, William E., and J. J. Morgan, New Haven, Conn. Car-unloading apparatus. 1,678,245; July 24.
- Dickman, Joseph J., Brooklyn, N. Y. Dial telephone. 1,671,102; May 29.
- Dickman, Louis F., Covington, Ky. Locking device for drain-valve operating rods. 1,670,192; May 15.
- Dicks, George F., Homedale, Idaho. Railroad-tie spacer. 1,676,982; July 10.
- Dicks, William, Buffalo, N. Y. Ventilator. 1,682,605; Aug. 28.
- Dicksee, Cedric B., Wilkesburg, Pa., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Ignition device. 1,688,005; Oct. 16.
- Dickson, Adrian J. (See Dickson, Frank H., F. F., and A. J.)
- Dickson, Donald C., Jersey City, assignor to Metal & Thermit Corporation, Carteret, N. J. Preventing slag surge in thermite welding practice. 1,671,413; May 29.
- Dickson, Francis F. (See Dickson, Frank H., F. F., and A. J.)
- Dickson, Frank H., F. F., and A. J., Auburn, N. Y. Roundabout. 1,689,520; Oct. 30.
- Dickson, Fred W. (See Rasmussen, Aage, assignor.)

- Dickson, Harry, Congress Park, assignor to Ideal Roller & Manufacturing Co., Inc., Chicago, Ill. Making blankets for printing machines. 1,668,763; May 8.
- Dickson, James G., Glencoe, Ill. Spark plug. 1,664,064; Mar. 27.
- Dickson, James T., Los Angeles, Calif. Prime mover and clutch. 1,669,507; May 15.
- Dickson, John B. (See Trumbull, H. L., and Dickson.)
- Dicomies, James, and P. Janos, Boston, Mass. Adjustable menu or advertising device. 1,692,633; Nov. 20.
- Dictaphone Corporation. (See Lucarelle, Joseph M., assignor.)
- Dictaphone Corporation. (See Roberts, Theodore C., assignor.)
- Dictograph Products Corporation. (See Koch, Henry, assignor.)
- Didcote, Ernest, Woking, assignor to Advertising Machines Limited, London, England. Picture-displaying apparatus. 1,657,347; Jan. 24.
- Didcote, Ernest, Woking, assignor to Advertising Machines Limited, London, England. Picture-displaying apparatus. 1,687,709; Oct. 16.
- Diderrich, Gustave, Elkins Park, Pa. Automobile brake-testing device. 1,686,229; Oct. 2.
- Diebold, Emil H., Newark, N. J. Sign. 1,689,117; Oct. 23.
- Diebold, Pierre, Nancy, France. Ironing steam press. 1,678,464; July 24.
- Diebold, Pierre, Nancy, France. Ironing steam press. 1,678,465; July 24.
- Diebold Safe & Lock Company. (See Bockius, George H., assignor.)
- Diebold Safe & Lock Company, The. (See Paca, John P., assignor.)
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 75,017; May 1.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 75,100; May 8.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,775; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,776; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,777; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,778; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,779; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,780; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 75,781; July 17.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 76,007; Aug. 14.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Table cover or similar article. Des. 76,736; Oct. 30.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 76,920; Nov. 20.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 76,921; Nov. 20.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 76,991; Nov. 27.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,058; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,059; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,060; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,061; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,062; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,063; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,064; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,065; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,066; Dec. 4.
- Dieck, Henry W., Brooklyn, assignor to The Standard Textile Products Company, New York, N. Y. Oilcloth. Des. 77,067; Dec. 4.
- Dieckerhoff, Ewald C. (See Werder, Hans, assignor.)
- Dieckmann, Frank C., Cincinnati, Ohio. Combined dresser, wardrobe, bookcase, and rack. 1,690,404; Nov. 6.
- Diederich, Paul E., assignor to American Injector Company, Detroit, Mich. Hot-air register. 1,687,645; Oct. 16.
- Diederich, Paul E., and M. G. Roberts, assignors to American Injector Company, Detroit, Mich. Automobile heater. 1,694,412; Dec. 11.
- Diederichs, Friedrich J., Berlin, Germany. Fuel lighter. 1,674,163; June 19.
- Diederichs, Hugo N., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,667,145; Apr. 24.
- Diederichs, Paul O., assignor to American Oven & Machine Co., Chicago, Ill. Roller mill. 1,671,356; May 29.
- Dieges, Charles J., Brooklyn, assignor to Dieges & Clust, New York, N. Y. Badge. 1,662,001; Mar. 6.
- Dieges & Clust. (See Dieges, Charles J., assignor.)
- Diehl, Ambrose N., and S. G. Worton, Duquesne, Pa. Operating regenerative furnaces. 1,671,628; May 29.
- Diehl, David H., Pittsburgh, Pa. Building structure. 1,658,373; Feb. 7.
- Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing-machine outfit. 1,657,882; Jan. 31.
- Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing-machine outfit. 1,657,883; Jan. 31.
- Diehl, Immanuel H., Milwaukee, Wis. Knockdown boat. 1,693,175; Nov. 27.
- Diehl, John C., Erie, Pa. Controlling the flow of fluids in connected conduits and device therefor. 1,664,596; Apr. 3.
- Diehl, John C., Erie, Pa., assignor to American Meter Company, Inc., New York, N. Y. Orifice meter. 1,681,174; Aug. 21.
- Diekmann, Edwin F., Evansville, Ind., assignor to Crescent Stove Works. Heating stove. 1,687,430; Oct. 9.
- Diener, Hyman, Washington, D. C., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Plating attachment for pressing machines. 1,663,069; Mar. 20.
- Diener, Hyman, Washington, D. C., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Combination backplate and plating attachment for pressing machines. 1,663,368; Mar. 20.
- Diener, John A. (See Cole, Don, assignor.)
- Diener, John A., Chicago, and A. C. Mabey, Villa Park, Ill. Rail anchor. 1,680,669; Aug. 14.
- Diener, John A., assignor to Stromberg Motor Devices Co., Chicago, Ill. Liquid-level indicator. 1,675,698; July 3.
- Diener, John A., assignor to Stromberg Motor Devices Company, Chicago, Ill. Feeding fuel by waste heat. 1,694,911; Dec. 11.
- Dienst, Karl. (See Amme, E., Dienst, and Uhle.)
- Dierickx, Lawrence F., Grosse Pointe, Mich. Combination plow and soil agitator. 1,655,457; Jan. 10.
- Dierker, William A., Brooklyn, N. Y. Motor-vehicle bumper. 1,665,536; Apr. 10.
- Diescher, August P. (See Diescher, Samuel E. and A. P.)
- Diescher, S., & Sons. (See Diescher, Samuel E., assignor.)
- Diescher, S., & Sons. (See Diescher, Samuel E. and A. P., assignors.)
- Diescher, Samuel E., Wilkinsburg, Pa. Gas burner. 1,683,128; Sept. 4.
- Diescher, Samuel E., assignor to S. Diescher & Sons, Pittsburgh, Pa. Piercing mill. 1,695,323; Dec. 18.
- Diescher, Samuel E. and A. P., assignors to S. Diescher & Sons, Pittsburgh, Pa. Feeding sheets. 1,662,492; Mar. 13.
- Diestelkamp, Frederick A., Lowell, Oreg. Loose-leaf binder. 1,694,846; Dec. 11.
- Dieter, Paul W., New York, N. Y. Lock nut. 1,665,807; Apr. 10.
- Dieter, William, Newark, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Stop valve for torpedoes. 1,656,269; Jan. 17.
- Dieterich, Francis L., Newark, N. J. Packing material and gasket made therefrom. 1,676,432; July 10.
- Dieterich, William, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 76,182; Aug. 28.
- Dieterle, Frank, assignor to G. A. Reach, Philadelphia, Pa. Headgear. 1,660,375; Feb. 28.
- Dieterle, Frank, assignor to A. J. Reach Company, Philadelphia, Pa. Inflatable ball. 1,660,373; Feb. 28.
- Dieterle, Frank, assignor to A. J. Reach Company, Philadelphia, Pa. Adjustable strap connection. 1,683,657; Sept. 11.
- Dieterle, Paul, Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Reduction of aromatic nitro compounds. 1,689,014; Oct. 23.
- Dieterle, Walter. (See Matthies, O., Wulff, Dieterle, and Wendt.)
- Dieterle, Walter, and O. Matthies, Dessau, and J. Reitstötter, Berlin-Friedenau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacturing photographic silver halid emulsions. 1,667,589; Apr. 24.
- Dietrich, Cyril L., Lookout Mountain, Tenn. Aerial mast or support. 1,661,930; Mar. 6.

- Dietrich, George, Burrell, Calif. Ditch cleaner. 1,659,768; Feb. 21.
- Dietrich, Gilbert J., Beaumont, Tex. Phonograph. 1,655,360; Jan. 3.
- Dietrich, Gilbert J., Beaumont, Tex. Alarm attachment for clocks. 1,686,408; Oct. 2.
- Dietrich, Rudolph J. (See Sterner, H. S., and Dietrich.)
- Dietrich, Walther. (See Bergl, K., and Dietrich.)
- Dietsche, Oscar A., Los Angeles, Calif. Change-speed mechanism. 1,693,139; Nov. 27.
- Dietz, Charles H., assignor to United States Tent & Awning Company, Chicago, Ill. Awning arm. Des. 74,867; Apr. 10.
- Dietz, Charles H., assignor to United States Tent & Awning Company, Chicago, Ill. Awning arm. Des. 74,868; Apr. 10.
- Dietz, Charles H., assignor to United States Tent & Awning Company, Chicago, Ill. Awning arm. Des. 74,869; Apr. 10.
- Dietz, Charles H., assignor to United States Tent & Awning Company, Chicago, Ill. Awning arm. Des. 74,870; Apr. 10.
- Dietz, Charles H., assignor to United States Tent & Awning Company, Chicago, Ill. Awning arm. Des. 74,871; Apr. 10.
- Dietz, Frank L., assignor, by mesne assignments, of one-half to E. H. Luke, Seattle, Wash. Split shingle and making same. 1,663,905; Mar. 27.
- Dietz, Hans. (See Eichberg, A., and Dietz.)
- Dietz, John T. (See Willett, Benedict E., assignor.)
- Dietz, R. E., Company. (See Currie, Robert A., assignor.)
- Dietze, Carl H., jr., Newark, N. J. Rattle. 1,693,140; Nov. 27.
- Dietze, Richard, Pankow, Berlin, Germany, assignor to General Electric Company. Electrical system and apparatus. 1,680,733; Aug. 14.
- Dietzel, William, Merrick, N. Y. Wheel. 1,657,374; Jan. 24.
- Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)
- Dietzgen, Eugene, Company. (See Price, Elmer E., assignor.)
- Dietzsch, Ferdinand, Kingston-on-Thames, England. Treatment of ores of copper and other metals. 1,679,294; July 31.
- Dieu, Louis J., South San Francisco, Calif. Vapor burner. 1,660,866; Feb. 28.
- Differ, George, Hamilton, Mont. Rotary box stamp. 1,678,589; July 24.
- Di Gaudio, John, Brooklyn, N. Y., assignor to Modern Lighting Fixture Co., Inc. Lighting-fixture wall bracket or article of analogous nature. Des. 75,958; Aug. 7.
- Di Gaudio, John, Brooklyn, N. Y., assignor to Modern Lighting Fixture Co., Inc. Chandelier. Des. 75,959; Aug. 7.
- Di Gaudio, John, Brooklyn, N. Y., assignor to Modern Lighting Fixture Co., Inc. Lighting-fixture arm or article of analogous nature. Des. 76,125; Aug. 21.
- Di Gaudio, John, Brooklyn, N. Y., assignor to Modern Lighting Fixture Co., Inc. Lighting-fixture brace or article of analogous nature. Des. 76,126; Aug. 21.
- Dijksterhuis, Popko R., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Discharge tube. 1,672,116; June 5.
- Dike, George P., Brookline, Mass. Footwear. 1,685,216; Sept. 25.
- Dike, George P., Brookline, Mass. Wrist watch. 1,687,365; Oct. 9.
- Dilatash, Charles N., Lebanon, Ohio. Bedclothes holder. 1,659,519; Feb. 14.
- Dilatash, Charles N., Lebanon, Ohio, assignor of one-half to W. H. Dilatash, Memphis, Tenn., and F. A. Dilatash, Lebanon, Ohio. Safety deposit vault. 1,687,431; Oct. 9.
- Dilatash, Frank A., et al. (See Dilatash, Charles N., assignor.)
- Dilatash, William H., et al. (See Dilatash, Charles N., assignor.)
- Dilks, John H., Philadelphia, Pa. Switch apparatus. 1,635,070; Sept. 18.
- Dilks, John H., assignor to Electric Power Equipment Corporation, Philadelphia, Pa. Switch-operating mechanism. 1,685,069; Sept. 18.
- Dill, John C., Vancouver, British Columbia, Canada. Grain-storage device. 1,684,478; Sept. 18.
- Dill Manufacturing Company, The. (See Bronson, Adelbert W., assignor.)
- Dill, Richard E., Alexandria, Nebr. Manufacture of reinforced concrete. 1,684,663; Sept. 18.
- Dillard, William F. (See Fell, James R., assignor.)
- Dille, Clarence D. (See Denelsbeck, D., and Dille.)
- Diller, Louis A. (See Smith, O. T., and Diller.)
- Diller, Sam, Des Moines, Iowa. Battery terminal connector. 1,655,598; Jan. 10.
- Dilley, Fred M., and C. F. Hallberg, Oelwein, Iowa. Pressure oil can. 1,681,845; Aug. 21.
- Dillingham, Frederick A., assignor to The Toy Sunshade Company, Troy, Ohio. Windshield. 1,666,642; Apr. 17.
- Dillon, Archie F., Chicago, Ill. Cut-weld torch. 1,668,107; May 1.
- Dillon, James E., Masontown, Pa. Protective device for electrically-operated mining machines and the like. 1,678,283; July 24.
- Dillon, James W., Atlanta, Ga. Window fastener. 1,656,818; Jan. 17.
- Dillon, John M., Hutton, La. Shaft coupling. 1,682,895; Sept. 4.
- Dillon, Joseph H., and H. H. Fairweather, Coatesville, Pa., assignors to Bethlehem Steel Company. Closure. 1,681,661; Aug. 21.
- Dillon, Stephen V., Tulsa, Okla., assignor to Smith Separator Company. Rod guide and protector. 1,690,721; Nov. 6.
- Dillon, Thomas H., jr., Greeley, Nebr. Snapping-roll cleaner. 1,694,533; Dec. 11.
- Dillon, Wallace M., Washington, D. C. Strainer. 1,665,494; Apr. 10.
- Dills, Henry W. (See Faucher, E. W., and Dills.)
- Dillwith, Clyde J. (See Reed, F. P., Strohm, and Dillwith.)
- Dilts Machine Works Incorporated. (See Haskell, John D., assignor.)
- Dilts Machine Works Incorporated. (See Haskell, J. D., and Rust, assignors.)
- Dilzell, Walter A., New Orleans, La. Antitheft attachment for meters. 1,667,656; Apr. 24.
- Dimes, Richard, jr., Everett, assignor to Richard Dimes Co., Boston, Mass. Dish or analogous article. Des. 74,483; Feb. 21.
- Dimes, Richard Co. (See Dimes, Richard, jr., assignor.)
- Dimm, Chandos R., assignor to Robinson Manufacturing Company, Muncy, Pa. Mixing and crushing machine. 1,660,221; Feb. 21.
- Dimock, Roy W. (See Bishop, Ezra F., assignor.)
- Dinardo, Giovanni, assignor of one-half to J. Ceffaratti, Philadelphia, Pa. Smoke consumer. 1,657,375; Jan. 24.
- Dine, Frank W., Minster, Ohio, assignor, by mesne assignments, to The National Automatic Tool Company, Richmond, Ind. Drilling machine. 1,660,376; Feb. 28.
- Dineen, John P., Bombay, India. Railroad-crossing alarm. 1,669,121; May 8.
- Dinesen, Laurits, Minneapolis, Minn. Milking apparatus. 1,654,795; Jan. 3.
- Dinesen, Laurits, Minneapolis, Minn. Teat cup, 1,690,327; Nov. 6.
- Dineson, Hans E., assignor, by mesne assignments, to M. Scholman, Bridgeport, Conn. Electrical water heater. 1,665,848; Apr. 10.
- Dingee, George W., Utica, N. Y. Apparatus for forming and handling paper rolls. 1,661,326; Mar. 6.
- Ding's Magnetic Separator Company. (See Hope, James L., assignor.)
- Dinkel, Andrew J. (See Cooper, C. G., and Dinkel.)
- Dinkelspiel, Lawrence, West New York, N. J. Lace trimming for dolly or the like. Des. 74,872; Apr. 10.
- Dinkelspiel, Lawrence, West New York, N. J. Lace trimming for dolly or the like. Des. 74,873; Apr. 10.
- Dinley, Clarence F., assignor to Rex Products & Manufacturing Company, Detroit, Mich. Metal-cleaning solution. 1,663,446; Mar. 20.
- Dinsmoor, John L., New York, N. Y. Seal. 1,679,467; Aug. 7.
- Dinsmore, Clarence B., assignor to A C Spark Plug Company, Flint, Mich. Odometer transfer mechanism. 1,692,489; Nov. 20.
- Dinsmore, Frank L. (See Larson, E. S., and Dinsmore.)
- Dinspel, William H., assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Carrier-distributing apparatus for pneumatic-dispatch systems. 1,658,480; Feb. 7.
- Dinspel, William H., assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Carrier for pneumatic-dispatch systems. 1,692,820; Nov. 27.
- Dinwiddie, Joseph G., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyestuff and making same. Re16,939; Apr. 24.
- Dion, Arsène, Berkeley, R. I. Shuttle threader block. 1,663,070; Mar. 20.
- Dion, Jacob, Bitterfeld, Germany, assignor to the firm: I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Electrode holder. 1,677,712; July 17.
- Dionne, William, Chicago, Ill. Aerial apparatus. 1,659,861; Feb. 21.
- Di Pietro, Paul, and H. M. Edwards, San Francisco, Calif. Vehicle signal. 1,658,975; Feb. 14.
- Dip-It, Inc. (See David, Albert, assignor.)
- Direct-Control Valve Company. (See Lawler, James J., assignor.)
- Directoplate Corporation. (See Koppe, Alexander T., assignor.)
- Dirkes, Robert F., Jamaica, assignor to The Western Union Telegraph Company, New York, N. Y. Feeding tape and projecting data therefrom. 1,684,309; Sept. 11.
- Dirschauer, Jacob A. (See Dick, A., and Dirschauer.)
- Dirschauer, Jacob A., Evansville, Ind. Agricultural machine. 1,684,861; Sept. 18.
- Dirzuweit, Carl J., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Apparatus for producing articles of compacted granular material. 1,673,904; June 19.
- Disbro, Roger W., Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Endless screen belt and making same. 1,662,639; Mar. 13.
- Disbrow, Clarkson A., New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Track liner. 1,663,071; Mar. 20.

- Disbrow, Hiram G., Brooklyn, N. Y. Clamp. 1,682,604; Aug. 28.
- Dishmaker, Anton, Kewaunee, Wis. Clipper. 1,693,707; Dec. 4.
- Dishman, Alfred B., Okmulgee, Okla. Pencil-vending machine. 1,664,286; Mar. 27.
- Dishon, Willye F., Stanford, Ky. Automatic bleeding mechanism for air lines of train air-brake mechanism. 1,687,975; Oct. 16.
- D'Isbio, Angelo, Pittsburgh, Calif. Quick-adjustment clamp. 1,689,331; Oct. 30.
- Dispenza, Andrew J. (See Noll, Theobald H., assignor.)
- Dispersions Process, Inc. (See Pratt, William B., assignor.)
- Dispersions Process, Inc. (See Richards, T. G., and Smith, assignors.)
- Display Stage Lighting Co. Inc. (See Higham, John, assignor.)
- Diss, Daniel B., Newark, and O. E. Hamtil, Rahway, N. J., assignors to The Bessick Company, Bridgeport, Conn. Caster. 1,656,512; Jan. 17.
- Dissel, Theodore A., Winchester, assignor to Cameron Appliance Company, Everett, Mass. Treating articles being galvanized. 1,675,926; July 3.
- Disset, Thomas B., East St. Louis, Ill. Air heater. 1,677,553; July 17.
- Disston, Henry, and Sons, Incorporated. (See Allen, Henry B., assignor.)
- Disston, Henry, & Sons, Incorporated. (See Charlton, Richard C., assignor.)
- Di Stasio, Antonio, New York, N. Y. Radio control mechanism. 1,656,178; Jan. 17.
- Distel, Edward F. (See Little, Charles C., assignor.)
- Dithridge, James D., New York, N. Y., assignor to Bryce Brothers Company, Mount Pleasant, Pa. Goblet or similar article. Des. 76,008; Aug. 14.
- Ditsch, Walter, and Frank O. Davis, Mishawaka, Ind. Dustless ash container. 1,679,856; Aug. 7.
- Dittmore, Lester P., Topeka, Kans. Cigar lighter. 1,664,597; Apr. 3.
- Dittlinger, Alphons, E. V., jr., and N., St. Louis, Mo. Liquid-quantity-indicating device. 1,676,255; July 10.
- Dittlinger, Emil V., jr. (See Dittlinger, Alphons, E. V., jr., and N.)
- Dittlinger, Hippolyt, New Braunfels, Tex. Plastic hydrated lime and making it. 1,664,598; Apr. 3.
- Dittlinger, Nicholas. (See Dittlinger, Alphons, E. V., jr., and N.)
- Dittmar, Elmer C., assignor to The Cromar Company, Williamsport, Pa. Buffer for machines for finishing flooring. 1,688,378; Oct. 23.
- Dittmar, Udo, Freiburg im Breisgau, Germany. Drawing roller for spinning machines. 1,670,064; May 15.
- Dittmar, Udo, Freiburg im Breisgau, Baden, Germany. Drawing mechanism for spinning fibrous materials. 1,685,838; Oct. 2.
- Dittmeyer, Auguste, née Pfeffer, heir and administratrix. (See Dittmeyer, Paul.)
- Dittmeyer, Paul, deceased, by A. Dittmeyer, née Pfeffer, heir and administratrix, Ludwigsburg, Germany. Apparatus for purifying with the aid of an endless sieve or rake band water which has been polluted by floating or sinking substances. 1,660,436; Feb. 28.
- Ditto, Incorporated. (See Williams, William E., assignor.)
- Dittrich, Thaddaus. (See Hoesser, F. A., and Dittrich.)
- Divco-Detroit Corporation. (See Bacon, George M., assignor.)
- Divine, Bradford H., Utica, N. Y. Machine for extracting juice from fruit. 1,696,390; Dec. 25.
- Dix, Clarence A., Fostoria, assignor to The Yoder Company, Cleveland, Ohio. Seaming-guide device. 1,668,055; May 1.
- Dix, Howard W. (See Tapp, H. F., and Dix.)
- Dixie Ventilator Company. (See Hodge, Howard Y., assignor.)
- Dixon, Furnie S., Sarasota, Fla. Carburetor. 1,657,376; Jan. 24.
- Dixon, George C. (See Hendrickson, E. B., and Dixon.)
- Dixon, Joseph, Crucible Company. (See Mix, Frederick H., assignor.)
- Dixon, Harry, Des Moines, Iowa. Spring-roller assembly. 1,678,590; July 24.
- Dixon, Harry, assignor to Rolcreen Company, Des Moines, Iowa. Rolling window-screen structure. 1,655,260; Jan. 3.
- Dixon, Harry, assignor to Rolcreen Company, Pella, Iowa. Guide construction for screens. 1,665,775; Apr. 10.
- Dixon, Harry, Des Moines, Iowa, assignor to Rolcreen Company. Rolling-window-screen construction. 1,680,092; Aug. 7.
- Dixon, Harry, assignor to Rolcreen Company, Pella, Iowa. Rethreader for screens. 1,685,522; Sept. 25.
- Dixon, Harry, assignor to Rolcreen Company, Pella, Iowa. Guide track for screen construction. 1,694,314; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 75,960; Aug. 7.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 75,961; Aug. 7.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 75,962; Aug. 7.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 75,963; Aug. 7.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 75,964; Aug. 7.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,009; Aug. 14.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,068; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,069; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,070; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,071; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,072; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,073; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,074; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,075; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,076; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,077; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Curtain rod. Des. 77,078; Dec. 4.
- Dlouhy, August, assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 77,309; Dec. 25.
- Doak, Hugh G. (See Hitz, Charles R., assignor.)
- Doan, Theodore H., jr., Cleveland Heights, Ohio, assignor to Foote-Burt Company. Drilling machine. 1,682,558; Aug. 28.
- Doane, Charles F., Salem, Oreg. Wrapping cheese. 1,693,694; Dec. 4.
- Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Vehicle lamp door. Des. 74,597; Mar. 6.
- Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Instrument-board illumination. 1,671,927; May 29.
- Doane, John A., West Hartford, Conn., assignor to Pratt and Whitney Company, New York, N. Y. Sizing device for surface grinders. 1,656,347; Jan. 17.
- Doane, John A., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Full automatic thread-hobbing machine. 1,659,247; Feb. 14.
- Doane, Leroy C. (See Luckiesh, M., Doane, and Miller.)
- Doane, Leroy C., Meriden, assignor to The Miller Company, Meriden, Conn. Holder for shades, reflectors, or the like. 1,662,853; Mar. 20.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,680,093; Aug. 7.
- Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting fixture. 1,680,094; Aug. 7.
- Doaney, John A., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Automatic multiple-spindle milling lathe. 1,664,740; Apr. 3.
- Dobbelstein, Karoline, administrator. (See Dobbelstein, Otto.)
- Dobbelstein, Otto, deceased, by K. Dobbelstein, administrator, Essen-on-the-Ruhr, Germany. Apparatus for drying or smoldering loose material. 1,690,444; Nov. 6.
- Dobbs, Adna S., New Brunswick, N. J. Holder. 1,684,347; Sept. 11.
- Döbele, Otto, Constance, Germany. Dental plate with sucker. 1,696,110; Dec. 18.
- Dobert, Frank C., Rutherford, assignor to A. Kretzmer, Clifton, N. J. Wall table, shelf, or rack. 1,667,657; Apr. 24.
- Doble, Abner, assignor to Doble-Detroit Steam Motors Co., Detroit, Mich. Steam-generator regulation. 1,675,600; July 3.
- Doble-Detroit Steam Motors Co. (See Doble, Abner, assignor.)
- Doble Steam Motors Corporation. (See Doble, William A., assignor.)
- Doble, William A., San Francisco, Calif., assignor to Doble Steam Motors Corporation, Wilmington, Del. Rear-vision mirror. 1,672,559; June 5.
- Dobmaier, Karl, Leverkusen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of solid alkali-metal salts of organic compounds. 1,685,191; Sept. 25.
- Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Mounting for windshield spotlights, etc. 1,672,605; June 5.
- Dobrowsky, Emmanuel. (See Merkel, S. B., and Dobrowsky.)
- Dobscher, Andrew. (See Burns, Bartholomew P., assignor.)
- Dobson & Barlow Limited. (See Hartley, Walter, assignor.)
- Dobson, Herbert, Portsmouth, England. Appliance adapted to revolve brushes, grind in valves, and other purposes. 1,663,627; Mar. 27.
- Dobson, John, Black River Falls, Wis. Bolt holder. 1,663,369; Mar. 20.

- Dobson, John V., Forset Hills, and M. F. Jones, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. 1,685,943; Oct. 2.
- Dobson, Percy R., assignor to Bell Equipment Company Limited, Calgary, Alberta, Canada. Door-operating mechanism. 1,692,821; Nov. 27.
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,135; Aug. 7.
- Dobson, William A., Bridgeport, Conn., assignor to The Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,684,820; Sept. 18.
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,691,922; Nov. 20.
- Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,693,708; Dec. 4.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Belt-drive mechanism. 1,682,217; Aug. 28.
- Dock, Howard, Cincinnati, Ohio. Displaying a fixed picture in conjunction with a series of symbols for conveying related ideas. 1,661,033; Feb. 28.
- Dockings, John, Hamilton, Ontario, Canada. Slide valve for steam engines. 1,680,285; Aug. 14.
- Dockstader, Foster, Famoso, Calif. Boiler-chipping device. 1,673,067; June 12.
- Dr. Med. Kaiser Kindersauger-Sterilisator Gesellschaft mit beschränkter Haftung. (See Walter, Kurt, assignor.)
- Dodd, Alphonse M., Warwick, assignor to Phenix Lace Mills, Phenix, R. I. Lace. Des. 74,921; Apr. 17.
- Dodd, John W., Brookline, assignor to George T. McLauthlin Company, Boston, Mass. Electrically-released brake. 1,638,379; Oct. 23.
- Dodd, Richard H. (See Richmond, R. B., and Dodd.)
- Dodd, Richard H., Stockton, Calif. Transfer-filer hanger. 1,676,531; July 10.
- Dodd, Robert E. (See Schmalz, W. F., and Dodd.)
- Dodd, West, Des Moines, Iowa. Method and system for protecting petroleum tanks and tank farms against lightning. 1,691,340; Nov. 13.
- Doddrige, James M., Milton, Ind. Guard rail for highways. 1,658,118; Feb. 7.
- Doddrige, Walter H. (See Boyton, J. C., and Doddrige.)
- Dodds, Ethan I., Central Valley, N. Y., assignor to Union Metal Products Company, Chicago, Ill. Sheet structure. 1,656,101; Jan. 10.
- Dodds, Ethan I., Central Valley, N. Y., assignor, by mesne assignments, to Flannery Bolt Company. Stay bolt for boilers. 1,663,336; Mar. 20.
- Dodds, Lee L. (See Griffith, T. E., and Dodds.)
- Dodds, Redus D., Houston, Tex. Drill. 1,659,769; Feb. 21.
- Dodge, Adiel Y. (See Bendix, V., and Dodge.)
- Dodge, Adiel Y., South Bend, Ind. Transmission. 1,685,523; Sept. 25.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Control mechanism for vehicle wheel brakes. 1,601,567; Nov. 13.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake having pressed-metal shoes. 1,657,856; Jan. 31.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,657,884; Jan. 31.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,658,763; Feb. 7.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Ball and slip joint mechanism. 1,659,021; Feb. 14.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Vehicle braking system. 1,659,087; Feb. 14.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Apparatus for and method of taking up slack. 1,659,544; Feb. 14.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Wheel brake. 1,659,545; Feb. 14.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,660,919; Feb. 28.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,663,295; Mar. 20.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,664,197; Mar. 27.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,665,690; Apr. 10.
- Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake-operating means. 1,666,558; Apr. 17.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Making brake shoes. 1,667,375; Apr. 24.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,675,536; July 3.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,679,896; Aug. 7.
- Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,691,566; Nov. 13.
- Dodge, Alfred W., Zanesville, Ohio, assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Bridge wall for glass tanks. 1,679,295; July 31.
- Dodge Brothers. (See Blades, A., and Van Valkenburg, assignor.)
- Dodge Brothers Inc. (See Cripps, Albert A., assignor.)
- Dodge Brothers, Inc. (See Moore, Benjamin R., assignor.)
- Dodge Brothers, Inc. (See Wells, H. S., and Lightle, assignors.)
- Dodge, Carl V., Bellevue, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for reshaping annealing boxes. 1,695,142; Dec. 11.
- Dodge, E. F., Paper Box Co. (See Olsen, Arne R., assignor.)
- Dodge, Eugene W., Long Beach, Calif. Automatic gas-controlling standing valve. 1,668,268; May 1.
- Dodge, Gordon F., New York, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Drive mechanism for grizzlies. 1,656,176; Jan. 17.
- Dodge, H. C., Incorporated. (See Wiard, John B., assignor.)
- Dodge, Harold F., assignor to Western Electric Company, Incorporated, New York, N. Y. Stethoscopic apparatus. 1,658,327; Feb. 7.
- Dodge, Harold F., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound-responsive device. 1,660,990; Feb. 28.
- Dodge, Harold F., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmitter mouthpiece. 1,664,852; Apr. 3.
- Dodge, Harold F., New York, N. Y., and H. A. Frederick, Mountain Lakes, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Stethoscopic apparatus. 1,686,504; Oct. 2.
- Dodge, Harry, Danvers, Mass. Treating hides or skins. 1,659,520; Feb. 14.
- Dodge, Harry, Danvers, Mass. Treatment for hides and skins. 1,663,401; Mar. 20.
- Dodge, Harry, Danvers, Mass. Composition of matter for treating hides and skins. 1,680,136; Aug. 7.
- Dodge, Harry, Danvers, Mass. Treatment of hides and skins. 1,690,969; Nov. 6.
- Dodge, Harry H., Green Island, N. Y. Control valve for gaseous-fuel burners. 1,685,275; Sept. 25.
- Dodge Manufacturing Corporation. (See Strong, Arthur P., assignor.)
- Dodge, Merton L. (See Troyer, N., and Dodge.)
- Dodge, Milton L., Newburyport, Mass. Method of and machine for attaching counters to turn shoes. 1,665,582; Apr. 10.
- Dodge, Milton L., Newburyport, Mass. Mechanism for making turn shoes. 1,693,976; Dec. 4.
- Dodge, Owen, assignor to The Automatic Electric Control Company, Colorado Springs, Colo. Thermally-controlled electric snap switch. 1,659,862; Feb. 21.
- Dodge & Spannuth. (See Spannuth, Jacob G., assignor.)
- Dodge, William E., Shawnee, Okla. Favor distributor. 1,676,137; July 3.
- Dodge, William G., Newburyport, assignor to United Shank & Findings Company, Boston, Mass. Turn shoe and shank stiffener therefor. 1,695,577; Dec. 18.
- Dodge, William G., Newburyport, assignor to United Shank & Findings Company, Boston, Mass. Manufacturer of turn shoes. 1,695,578; Dec. 18.
- Dodson, Alcida F., Chicago, Ill. Key holder. 1,658,431; Feb. 7.
- Dodson, Henry W., Los Angeles, Calif. Assembly reel. 1,674,768; June 26.
- Dodson, Lewis L., Greenwich, Ohio. Radiator cap. 1,675,167; June 26.
- Dorderlein, Hildegard, Woodridge, N. J. Curtain tape. 1,672,640; June 5.
- Doehler Die-Casting Co. (See Morin, Louis H., assignor.)
- Doehler Die-Casting Company. (See Stern, Marc, assignor.)
- Doehler Die-Casting Co. (See Vericel Antonie, assignor.)
- Doelger, Charles H., assignor to Doelger and Kirsten, Milwaukee, Wis. Adjustable bearing. 1,671,629; May 29.
- Doelger and Kirsten. (See Doelger, Charles H., assignor.)
- Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Thermostatic valve. 1,683,172; Sept. 4.
- Doen, Loran F., assignor to The Cleveland Heater Company, Cleveland, Ohio. Water heater. 1,692,708; Nov. 20.
- Doepke, William, Selah, Wash. Ditcher. 1,694,252; Dec. 4.
- Doerinkel, Fritz, and M. Schliemann, Leverkusen, near Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Preparation of anhydrides of organic acids. 1,691,647; Nov. 13.
- Doering, Charles, Chicago, Ill. Beverage-dispensing cabinet. Des. 77,079; Dec. 4.
- Doering, Charles and H. H., Chicago, Ill. Butter-print machine. 1,683,873; Sept. 11.
- Doering, Henry H. (See Doering, Charles and H. H.)

- Doerr, Fred H., assignor to American Brass Novelty Co., Grand Haven, Mich. Receptacle. 1,685,276; Sept. 25.
- Doerr, Harry E., assignor to Scullin Steel Company, St. Louis, Mo. Car-truck side frame. 1,688,856; Oct. 23.
- Doerr, Oscar P., and W. Stolberg, assignors to Anheuser-Busch, Incorporated, St. Louis, Mo. Beverage-dispensing apparatus. 1,668,195; May 1.
- Doerr, Wilhelm E., New York, N. Y., and E. A. Lehmann, Akron, Ohio, assignors to Luftschiffbau Zeppelin Gesellschaft mit Beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Gas container for airships. 1,679,564; Aug. 7.
- Doerschuk, Victor C., Massena, N. Y., and F. C. Frary, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa. Calcining coke. 1,671,673; May 23.
- Doerschuk, Victor C., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Carbon electrode and molding the same. 1,683,587; Sept. 4.
- Doetsch & Bauer Company. (See Bauer, Carl, assignor.)
- Doggett, Reginald L. S., East Orange, N. J. Ash receiver or similar article. Des. 74,257; Jan. 17.
- Doggett, Reginald L. S., East Orange, N. J. Doorstop or similar article. Des. 74,361; Feb. 7.
- Doherty, Henry L. (See Laird, Wilbur, G., assignor.)
- Doherty, Henry L., New York, N. Y. Making producer gas. 1,670,102; May 15.
- Doherty, Henry L., assignor, by mesne assignments, to Heat Treating Company, New York, N. Y. Process and apparatus for distilling oil. 1,662,105; Mar. 13.
- Doherty, James, Chicago, Ill. Steam and air injector. 1,683,482; Sept. 25.
- Doherty, John V., New York, N. Y., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Cord hook for vacuum cleaners. 1,670,715; May 22.
- Doherty Research Company. (See Brandt, David G., assignor.)
- Doherty Research Company. (See Bruckner, Robert E., assignor.)
- Doherty Research Company. (See Camp, Hiram W., assignor.)
- Doherty Research Company. (See Fisher, James P., assignor.)
- Doherty Research Company. (See Greenfield, Benjamin, assignor.)
- Doherty Research Company. (See Griswold, Robert G., assignor.)
- Doherty Research Company. (See Isham, Robert M., assignor.)
- Doherty Research Company. (See Kitchen, John F., assignor.)
- Doherty Research Company. (See Leonard, Arthur J., assignor.)
- Doherty Research Company. (See Lowe, Russell E., assignor.)
- Doherty Research Company. (See Merley, Sylvan R., assignor.)
- Doherty Research Company. (See Saathoff, George W., assignor.)
- Doherty Research Company. (See Skillman, Edward, assignor.)
- Doherty, Thomas P., Providence, R. I. Plumber's tool. 1,676,775; July 10.
- Doherty, William, West Philadelphia, Pa. Electric air-heating furnace. 1,688,270; Oct. 16.
- Döhle, Fritz, Wilmersdorf, near Berlin, Germany. Transmission mechanism. 1,662,566; Mar. 13.
- Dohm, Charles W., assignor to The Continental Roofing & Manufacturing Company, Baltimore, Md. Cutting roll. 1,679,351; Aug. 7.
- Dohme, Alfred R. L., assignor to Sharp & Dohme, Inc., Baltimore, Md. Benzyl resorcinois. 1,658,229; Feb. 7.
- Dohme, Alfred R. L., assignor to Sharp & Dohme, Inc., Baltimore, Md. Normal amylol resorcinois. 1,677,116; July 10.
- Dohme, Alfred R. L., assignor to Sharp & Dohme, Inc., Baltimore, Md. Iso-butylol resorcinois. 1,677,117; July 10.
- Dohse, Louis H., Toledo, Ohio. Air-brake-piston clamp. 1,678,937; July 31.
- Dokkenwadel, Frederick G., Mobile, Ala., assignor of one-tenth to T. W. Millner, one-tenth to V. R. Walley, one-tenth to B. M. Stevens, one-tenth to E. C. Fishel, and one-tenth to J. E. Green, Richton, Miss. Insecticidal plant food or fertilizer. 1,696,709; Dec. 25.
- Dolan, Bernard A., Brookline, assignor to Tuttle Silver Company, Boston, Mass. Fork or similar article. Des. 74,874; Apr. 10.
- Dolan, Bernard A., Brookline, assignor to Tuttle Silver Company, Boston, Mass. Plate or similar article. Des. 77,080; Dec. 4.
- Dolan, Charles H., Dorchester, Mass. Card game. 1,657,791; Jan. 31.
- Dolan, Edward J., Jackson Heights, and P. Tatore, New York, N. Y. Theater-curtain-raising device. 1,664,248; Mar. 27.
- Dolan, John A., Floral Park, N. Y. Toothbrush. 1,671,891; May 29.
- Dolan, John J., Coshocton, Ohio. Portable soot blower. 1,661,931; Mar. 6.
- Dolan, William J., jr., Pearl River, N. Y. Football. 1,655,599; Jan. 10.
- Dolbear, Clinton E., Los Angeles, Calif. Recovery of soluble salts from natural brines or the like. 1,673,969; June 19.
- Dolbear, Samuel H., New York, N. Y., assignor to Selective Treatment Company Limited, Montreal, Canada. Treating asbestos ore. 1,684,365; Sept. 11.
- Dolbear, Samuel H., San Francisco, Calif., assignor to Selective Treatment Company Limited, Montreal, Canada. Treating asbestos ores. 1,684,366; Sept. 11.
- Dole, Myron W., Belmont, Mass. Liquid pump. 1,675,405; July 3.
- Doleshy, Frank F., Seattle, Wash. Cabinet. Des. 74,666; Mar. 13.
- Dolf, Anelito, Yorkville, Ohio. Gas-burner igniter. 1,655,458; Jan. 10.
- D'Olier, Henry, jr., Bridgeport, Conn. Electric connector socket. 1,666,411; Apr. 17.
- D'Olier, Henry, jr., Bridgeport, Conn. Combination hook and loop. 1,689,943; Oct. 30.
- D'Olier, Henry, jr., Bridgeport, Conn. Electrical wall-bracket support. 1,692,251; Nov. 20.
- Dolinar, John, Sebraton, W. Va. Battery mounting. 1,657,461; Jan. 31.
- Doll, Charles E. (See Holcroft, C. T., and Doll.)
- Doll & Co. Aktiengesellschaft. (See Reischl, Ludwig, assignor.)
- Doll, William S., Akron, Ohio. Mandrel. 1,676,325; July 10.
- Dolley, Paul T. (See Poindexter, R. W., jr., and Dolley.)
- Dollinger, Lewis L., assignor to Staynew Filter Corporation, Rochester, N. Y. Cleaning filters. 1,691,514; Nov. 13.
- Dollins, Robert R., Marland, Okla. Air cleaner. 1,664,670; Apr. 3.
- Dolman, John, assignor to A. W. Phillips, Limited, Neaton, England. Cover piece for lawn-tennis balls. Des. 75,226; May 22.
- Dolmatch, Aaron, Bayonne, N. J. Expandible vaginal syringe. 1,666,197; Apr. 17.
- Dolne-Dehan, Gaston, Juan les Pins, France. Electro-mechanical starting device for heat engines. 1,692,546; Nov. 20.
- Dolph, Cyrus, Preston, Ontario, Canada. Combination dining table and cabinet. 1,688,456; Oct. 23.
- Dolph, Fred A., Washington, D. C. Printing and casting mechanism. 1,662,145; Mar. 13.
- Dolph, George E. (See Christy, L. A., and Dolph.)
- Dolphin, John L. (See Wright, W. L., and Dolphin.)
- Dom Browsky, Barbara G., Oakland, Calif. Palm protector. 1,667,926; May 1.
- Domagall, John E., Peru, Ill. Angle-indicating means for front wheels. 1,660,600; Feb. 28.
- Doman, Albert E., Elbridge, N. Y. Mounting for windshield cleaners. 1,677,175; July 17.
- Dome, Charles N., assignor of one-half to C. W. Dome, New Salisbury, Ind. Hoe. 1,659,944; Feb. 21.
- Dome, Charles W. (See Dome, Charles N., assignor.)
- Domenico, Anthony, Brooklyn, N. Y. Brake device. 1,678,692; July 31.
- Domestic Stoker Company. (See Hall, C. H., and Lloyd, assignors.)
- Domestic Stoker Company. (See Wightman, Merle J., assignor.)
- Dominguez, Manuel D., New Orleans, La. Water heater. 1,689,521; Oct. 30.
- Dominick & Haft, Inc. (See Hebbard, Harrison, assignor.)
- Dominik, Walenty, Warsaw, Poland. Preparation of nitrates and a dry mixture of chlorine and nitrosyl chloride. 1,658,519; Feb. 7.
- Dominion Cartridge Company. (See Johnson, Edwin J., assignor.)
- Dominion Glass Company, The. (See Sephton, James H., assignor.)
- Domino System Co., The. (See Burke, Walter B., assignor.)
- Domizi, David F., Cleveland, Ohio. Gear-lapping machine. 1,668,840; May 8.
- Domizi, David F., Cleveland, Ohio. Universal joint. 1,680,095; Aug. 7.
- Domizi, David F., Cleveland, Ohio, assignor, by mesne assignments, to Relay Motor Products Corporation, Bridgeport, Conn. Motor-vehicle construction. 1,672,515; June 5.
- Domizi, David F., Cleveland, Ohio, assignor, by mesne assignments, to Relay Motor Products Corporation, Bridgeport, Conn. Motor-vehicle construction. 1,677,917; July 24.
- Domore Chain Company, The. (See Olson, Percy W.)
- Domore Chair Company. (See Adams, Arthur J.)
- Domore Chair Company. (See Adams, Arthur J., assignor.)
- Domoto, Takanoshin, Osaka, Japan. Lining composition for metallic containers. 1,688,857; Oct. 23.
- Donagemma, Giuseppe, P. Tolini, and M. Valentini, Milan, and E. Micozzi, Rome, Italy. Machine for spinning artificial silk. 1,659,483; Feb. 14.
- Donahue, J. F., et al. (See Smith, Gerard C., assignor.)
- Donahue, William, et al. (See Kenworthy, Robert R., assignor.)
- Donahue, William, et al. (See Kenworthy, Byron R. and R. R., assignors.)
- Donald, Floyd E., and C. P. Boyce, Corsicana, Tex. Planetary reversible clutch. 1,665,159; Apr. 3.
- Donald, Forrest V., assignor to Gilson Manufacturing Company, Port Washington, Wis. Tractor hitch for lawn mowers. 1,658,430; Feb. 7.
- Donald, Harry G., Philadelphia, Pa. Liquid vaporizer. 1,694,936; Dec. 11.

- Donaldson, Alfred S., Newark, N. J., assignor to Du Pont Viscoidol Company, Wilmington, Del. Decorated cellulose-ester article and making same. 1,694,847; Dec. 11.
- Donaldson, Frank A., Minneapolis, Minn. Air cleaner. 1,669,413; May 16.
- Donaldson, George S., Coburg, Victoria, Australia. Lawn mowers. 1,671,277; May 29.
- Donaldson, John S., New York, N. Y. Tire chain. 1,660,955; Feb. 28.
- Donaldson, John S., New York, N. Y. Dressing tool. 1,666,890; Apr. 24.
- Donaldson, John S., New York, N. Y. Tool and tool retainer. 1,690,571; Nov. 6.
- Donaldson, Joseph G., and H. L. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Refractory material and producing the same. 1,668,306; May 1.
- Donaldson, Joseph G., and H. L. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Alloy and material employing the same. 1,668,307; May 1.
- Donaldson, Joseph G., and H. L. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Refractory materials. 1,673,106; June 12.
- Donaldson, Joseph G., and H. L. Coles, assignors to Guardian Metals Company, Hamilton, Ohio. Refractory material. 1,673,107; June 12.
- Donaldson Manufacturing Company Limited. (See Hadden, William J., assignor.)
- Donaldson Manufacturing Company Limited. (See Petrie, John, assignor.)
- Donaldson, Roy G., Crestline, Ohio. Airship. 1,690,773; Nov. 6.
- Donaly, James L., Newark, N. J. Fish bait. 1,677,176; July 17.
- Donart, Clement F., assignor to L. Donart, Van Wert, Ohio. Hair curler. 1,673,234; June 12.
- Donart, G. F. (See Slusser, Lee D., assignor.)
- Donart, Luvnia. (See Donart, Clement F., assignor.)
- Donat, Karl. (See Rüdenberg, R., Berthold, and Donat.)
- Donath, Otto A., assignor to O. D. Collis, Clinton, Iowa. Explosion motor. 1,693,073; Nov. 27.
- Donato, William, Detroit, Mich. Drier. 1,681,175; Aug. 21.
- Doncheff, Demetre, East St. Louis, Ill. Aircraft. 1,661,327; Mar. 6.
- Doner, Robert, Toledo, Ohio. Safety-razor hanger. 1,663,875; Mar. 27.
- Dongan Electric Manufacturing Company. (See Osborne, Robert L., assignor.)
- Donisthorpe, Horace S. de A., London, England, assignor to Radio Corporation of America. Thermionic valve. 1,665,626; Apr. 10.
- Donlay, James L., Hynes, Calif. Traffic signal for motor vehicles. 1,664,105; Mar. 27.
- Donle Electrical Products Corporation. (See Donle, Harold P., assignor.)
- Donle, Harold P., assignor to Donle Electrical Products Corporation, Meriden, Conn. Audiofrequency amplifier. 1,666,413; Apr. 17.
- Donle, Harold P., Meriden, Conn., assignor, by mesne assignments, to Radio Corporation of America. Electron device. 1,675,334; July 3.
- Donle, Harold P., assignor to Donle Electrical Products Corporation, Meriden, Conn. Power supply. 1,696,880; Dec. 25.
- Donley Brothers Company, The. (See Chapman, Alfred W., assignor.)
- Donley, Harold B., Columbus, Ohio, assignor of one-third to W. H. Bretzlaff, Indianapolis, Ind. Incandescent-lamp bulb. 1,684,949; Sept. 18.
- Donley, Harold B., assignor to The John W. Brown Mfg. Co., Columbus, Ohio. Vehicle head lamp. 1,696,111; Dec. 18.
- Donnellan, Edward P., assignor to Standard Johnson Company, Inc., Brooklyn, N. Y. Machine for assorting and counting coins. 1,655,412; Jan. 10.
- Donnellan, James S., Los Angeles, Calif. Slicing cutter for butter, bread, and the like. 1,685,533; Sept. 25.
- Donnellan, James S., Los Angeles, Calif. Sanitary butter-slicing machine. 1,690,480; Nov. 6.
- Donnellon, John H., deceased, Evanston, Wyo.; M. A. Donnellon, administratrix. Hair clipper. 1,691,270; Nov. 13.
- Donnellon, Mildred A., administratrix. (See Donnellon, John H.)
- Donnelly, Edward F., Malden, Mass. Relief valve. 1,667,590; Apr. 24.
- Donnelly, Edward F., Malden, Mass. Relief valve for kitchen boilers and the like. 1,670,764; May 22.
- Donnelly, James A., Brooklyn, N. Y., assignor to Warren Webster & Company. Steam heating system. 1,681,725; Aug. 21.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Mechanism for assembling match strips. 1,660,324; Feb. 28.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,676,009; July 3.
- Donnelly, R. D., et al. (See Peaden, William H., assignor.)
- Donnelly, William J., Wissahickon, Pa. Chopper and slicer. 1,658,710; Feb. 7.
- Donner, Carl H., Summit, N. J. Machine for cleaning hair and other filamentary material. 1,666,891; Apr. 24.
- Donner, Julius. (See Malonyay, Joseph, assignor.)
- Donner, Stephen, Hastings, Mich. Vegetable-blocking machine. 1,654,640; Jan. 3.
- Donning, George W., Bridgeport, Conn. Charge-forming structure for internal-combustion motors. 1,686,737; Oct. 9.
- Donohue, William J., et al. (See McMurtrie, W. B., and Gover, assignors.)
- Donovan, Albert M., Toledo, Ohio. Check damper. 1,655,858; Jan. 10.
- Donovan, Alfred F., Boston, assignor to E. T. Wright & Co., Inc., Rockland, Mass. Shoe. Des. 74,299; Jan. 24.
- Donovan, Alfred W., Rockland, Mass. Making boots and shoes. 1,680,670; Aug. 14.
- Donovan, John F., Cleveland, Ohio, assignor to General Electric Company. Heat deflector for incandescent lamps and similar devices. 1,670,716; May 22.
- Donovan, John W., Sunburst, Mont. Card game. 1,683,026; Sept. 4.
- Donovan, William J., assignor to Engravers & Printers Machinery Company, Inc., Sag Harbor, N. Y. Engraving machine. 1,684,216; Sept. 11.
- Doods, Lee L. (See Griffith, T. E., and Doods.)
- Doody, Ray N., Caribou, Me. Rail joint. 1,683,874; Sept. 11.
- Doogood, Leonard J., and L. P. Branagan, Melbourne, Victoria, Australia. Multipicture camera. 1,662,304; Mar. 13.
- Doolan, John T., Edmonton, Alberta, Canada. Draft hitching device. 1,663,246; Mar. 20.
- Doolin, Charles B., San Antonio, Tex. Measuring and dispensing receptacle. 1,696,079; Dec. 18.
- Doolittle, Robert L., and W. C. Hunter Montgomery, Ala. Reverse-gear actuator. 1,687,866; Oct. 9.
- Door Control Company. (See Blodgett, Herbert C., assignor.)
- Döppenschmitt, Friedrich, Pforzheim, Germany. Beaded article of jewelry. 1,694,703; Dec. 11.
- Dopyera, John, Los Angeles, Calif. Guitar. Des. 76,382; Sept. 25.
- Dopyera, John, Los Angeles, Calif. Musical instrument. 1,672,153; June 5.
- Dorado Club Beverage Co. (See White, Fred C., assignor.)
- Doran Brothers. (See Kauffmann, Ferdinand E., assignor.)
- Doran, Frank C., Trenton, N. J. Dirt scraper for automobiles. 1,655,988; Jan. 10.
- Doran, Tillie, M., et al. (See Doran, William M., assignor.)
- Doran, William M., assignor of one-third to E. F. Kimball and one-third to T. M. Doran, Washington, D. C. Socket for vacuum tubes. 1,670,849; May 22.
- Dorange, Louis V., Kansas City, Mo. Cooling attachment for permanent-waving apparatus. 1,666,169; Apr. 17.
- Dorau, John P., Horicon, Wis. Ironing table. 1,673,970; June 19.
- Dorer, Oscar H. (See Spillmann, M., and Dorer.)
- Dorer, Oscar H., East Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Waterworks auxiliary pump. 1,675,845; July 3.
- Dorey, William A., Newark, Ohio, assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Luminaire. 1,674,164; June 19.
- Dorey, William A., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 1,674,165; June 19.
- Dorey, William A., and W. A. Ingler, Newark, Ohio, assignors, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Luminaire. 1,683,609; Sept. 11.
- Dorfan, Morton L., New York, N. Y., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus for treating fumes. 1,685,229; Sept. 25.
- Dorgan, Ralph O., Mobile, Ala. Automatic electric railroad-crossing gate. 1,666,559; Apr. 17.
- Döring, Fritz, Frohnau, Berlin, and O. Kalbitz, Finkenbrugg, Berlin, assignors to Siemens & Halske Aktien-gesellschaft, Siemensstadt, near Berlin, Germany. Casing for loading coils. 1,663,710; May 8.
- Dorl, Walter P., Detroit, Mich. Reciprocating mop. 1,682,168; Aug. 28.
- Dorman, Dennis M., Geneva, N. Y. Valve-spring holder. 1,656,974; Jan. 24.
- Dorman, William R., W. V. Suydam, and D. R. Stoneleigh, assignors to Johnson & Johnson, New Brunswick, N. J. Emergency applicator and producing it. 1,687,472; Oct. 9.
- Dormann, Fred, assignor to Shankland, Ristine & Co., Denver, Colo. Parking and storage garage. 1,668,494; May 1.
- Dorment, Frank C., Wellington, Ohio, assignor of one-half to A. T. Fletcher, Washington, D. C. Atomizer. 1,655,678; Jan. 10.
- Dorment, Frank C., Wellington, Ohio, assignor of one-half to A. T. Fletcher, Washington, D. C. Vaporizing inhaler. 1,679,816; Aug. 7.
- Dormer, John A., and J. G. Malone, Detroit, Mich. Crushing machine. 1,666,530; Apr. 17.
- Dormer, John A., Detroit, Mich. Mechanical movement. 1,692,160; Nov. 20.
- Dormer, John A., and J. G. Malone, Detroit, Mich. Crusher. 1,692,161; Nov. 20.
- Dormeyer, Albert F., Chicago, Ill. Muffler. 1,688,488; Oct. 23.

- Dormoy, Jean, Levallois-Perret, France. Spraying device. 1,689,279; Oct. 30.
- Dorn, Henry G., jr., executor. (See Haas, Philip.)
- Dorn, René, New York, N. Y. Building roof. 1,658,591; Feb. 7.
- Dornbier, Stanton D., Cleveland, Ohio. Leakproof compressor. 1,670,799; May 22.
- Dorner, Hermann I. A., Hannover, Germany. Internal-combustion engine. 1,662,106; Mar. 13.
- Dorner, Hermann, Hanover, Germany. Injection nozzle. 1,690,893; Nov. 6.
- Dornseif, Hugo, Radevormwald, Germany. Manufacture of skate blades with thickened edges. 1,684,950; Sept. 18.
- Dorogi és Tása Gummigyár R. T., Dr. (See Dorogi, István and L., assignors.)
- Dorogi, István and L., Budapest, assignors to Dr. Dorogi E. S. Társa Gummigyár R. T., Budapest-Albertfalva, Hungary. Closure means for inflatable hollow rubber bodies. 1,682,836; Sept. 4.
- Dorogi, Lajos. (See Dorogi, István and L.)
- Doroski, John, Calverton, N. Y. Combined planter and potato digger. 1,676,233; July 3.
- Dorr Company, The. (See Dorr, John V. N., assignor.)
- Dörr, Edward. (See Leuchs, O., and Dörr.)
- Dorr, George P. (See Bates, A. M., and Dorr.)
- Dorr, John V. N., New Canaan, Conn., assignor to The Dorr Company, New York, N. Y. Clarification of cane-sugar juice. 1,655,049; Jan. 3.
- Dörr, Wilhelm E., Überlingen, assignor to Luftschiffbau Zeppelin Gesellschaft mit Beschränkter Haftung, Friedrichshafen, Germany. Gas-inflated airship. 1,683,764; Sept. 11.
- Dorrance, David W., Minneapolis, Minn. Artificial hand. 1,695,952; Dec. 18.
- Dorrance, David W. (See Kosek, J. H., and Trautman, assignors.)
- Dorros, George L., New York, N. Y. Ceremonial veil. 1,671,889; May 29.
- Dorsaneo, William V., Devon, Pa. Combination saw and square. 1,679,933; Aug. 7.
- Dorsch, Florence G. (See Dorsch, Max E. and F. G.)
- Dorsch, Max E. and F. G., Chicago, Ill. Animal trap. 1,677,470; July 17.
- Dorsey, Arthur. (See Pinkham, Clarence A., assignor.)
- Dorsey, Farnum F., assignor to North East Appliances, Inc., Rochester, N. Y. Motor controller. 1,670,439; May 22.
- Dorsey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Ignition-circuit controller. 1,670,440; May 22.
- Dorsey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Electric switch. 1,685,565; Sept. 25.
- Dorsey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Power mechanism. 1,688,380; Oct. 23.
- Dorsey, Herbert G., Gloucester, Mass. Device for the reproduction of wave motion. 1,684,759; Sept. 18.
- Dorsey, Herbert G., Gloucester, assignor to Submarine Signal Corporation, Boston, Mass. Method and apparatus for measuring distance. 1,667,540; Apr. 24.
- Dorsey, Herbert G., Gloucester, assignor to Submarine Signal Corporation, Boston, Mass. Apparatus for measuring distance. 1,680,507; Aug. 14.
- Dorsey, Herbert G., Gloucester, and R. L. Williams, Newton, assignors to Submarine Signal Corporation, Boston, Mass. Apparatus for measuring distance. 1,678,560; July 24.
- Dorsey, Leonard E., Coatesville, Pa. Radio tuning dial. 1,677,075; July 10.
- Dorsey, Farmer, Wichita, Kans., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Automatic acetylene generator. 1,672,606; June 5.
- Dorsey, Farmer, Wichita, Kans., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Steam-engine lubricator. 1,692,202; Nov. 20.
- Dorton, John M., Bonner Springs, Kans. Adjustable seat. 1,677,434; July 17.
- Dorweiler, Harry J. (See Dasen, Paul, assignor.)
- Dossert, John J., and E. E. Greaves, Syracuse, N. Y., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Cabinet wringer. 1,665,912; Apr. 10.
- Dost, Fred H. (See Green, C. T. M., and Dost.)
- Dostal, John R., assignor to Dostal & Lowry Hydro Company, Milwaukee, Wis. Bottle-handling machine. 1,669,930; May 15.
- Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Riser for metal molds. 1,670,613; May 22.
- Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Cooling means for permanent molds. 1,670,614; May 22.
- Dostal & Lowry Hydro Company. (See Dostal, John R., assignor.)
- Dotterweich, Andrew J., Pittsburgh, Pa. Apparatus for softening water. 1,654,537; Jan. 3.
- Dotterweich, Andrew J., Pittsburgh, Pa. Apparatus for treating water. 1,676,532; July 10.
- Doty, Arthur A., Attleboro, Mass., assignor to Parks Bros. & Rogers, Inc., Providence, R. I. Flexible chain. 1,668,359; May 1.
- Doty, Edward L., Fordham, N. Y. Display-advertisement attachment for cigar lighters. 1,690,284; Nov. 6.
- Doty, George D., Colorado Springs, Colo. Circuit control. 1,668,841; May 8.
- Doty, J. G., Pump Company. (See Doty, Jerald G., assignor.)
- Doty, Jerald G., deceased, St. Louis, Mo.; L. M. Doty, administratrix, assignor to J. G. Doty Pump Company, St. Louis, Mo. Liquid-dispensing apparatus. 1,668,552; May 8.
- Doty, John W., Olney, Ill. Mop-handle fastener. 1,656,177; Jan. 17.
- Doty, John W., Olney, Ill. Mop. 1,675,601; July 3.
- Doty, Lela M., administratrix. (See Doty, Jerald G.)
- Doty, William W., Great Kills, N. Y. Car-door-moving mechanism. 1,694,166; Dec. 4.
- Dotzauer, John F., Newark, N. J., assignor to American Telephone and Telegraph Company. Duct grapple. 1,658,887; Feb. 14.
- Double, William H. (See Cleaves, George C., assignor.)
- Douchet, Florimond, assignor to Forges & Ateliers de Constructions Electriques de Jeumont Société Anonyme, Paris, France. Protective system for electric cables. 1,696,226; Dec. 25.
- Doudna, Earl E. (See McKay, M. A., and Doudna.)
- Dougan, Bruce, St. Louis, Mo. Pencil sharpener. 1,682,169; Aug. 28.
- Dougan, Charles E., assignor to H. A. Brassert & Company, Chicago, Ill. Rotary disintegrator apparatus. 1,659,683; Feb. 21.
- Dougan, Leland S. (See Singelton, John A., assignor.)
- Dougan, Robert, Dallas, Tex. Locking device for motor-vehicle tires and rims. 1,681,469; Aug. 21.
- Dougherty, Daniel A., Philadelphia, Pa. Apparatus for cleaning containers. 1,657,072; Jan. 24.
- Dougherty, George, assignor to Economy Glass Company, Morgantown, W. Va. Goblet. Des. 77,227; Dec. 18.
- Dougherty, James W., McKeesport, Pa. Sounding toy. 1,668,005; May 1.
- Dougherty, John H. (See Goyne, Charles H., J. G., A. F., and Dougherty.)
- Dougherty, Leslie E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Press. 1,676,821; July 10.
- Dougherty, Robert S. A. (See Cort, S. J., Burns, Dougherty, and Lehr.)
- Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Settling chamber. 1,657,112; Jan. 24.
- Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Apparatus for cooling and dispensing carbonated liquids. 1,663,683; Mar. 27.
- Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Apparatus for dispensing carbonated beverages. 1,663,684; Mar. 27.
- Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Apparatus for dispensing liquids. 1,663,685; Mar. 27.
- Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Method and apparatus for dispensing carbonated beverages. 1,663,686; Mar. 27.
- Douglas, Elizabeth J. (See Graham, Charles C., assignor.)
- Douglas, H. A. (See Murray, Howard J., assignor.)
- Douglas, Harry A. (See Cox, Warren R., assignor.)
- Douglas, Harry A. (See Cragg, George L., assignor.)
- Douglas, Harry A. (See Cragg, George L., assignor.)
- Douglas, Harry A. (See Nelson, John H., assignor.)
- Douglas, Harry A. (See Schafer, John V., assignor.)
- Douglas, Harry A. (See Schmid, William, assignor.)
- Douglas, Harry A. (See Watts, Felix J., assignor.)
- Douglas, Harry A., Bronson, Mich. Circuit connector. 1,657,004; Jan. 24.
- Douglas, Harry A., Bronson, Mich. Instrument casing. 1,657,005; Jan. 24.
- Douglas, Harry A., Bronson, Mich. Lock for electric switches. 1,657,006; Jan. 24.
- Douglas, Harry A., Bronson, Mich. Electric switch. 1,657,007; Jan. 24.
- Douglas, Harry A., Bronson, Mich. Electrical fitting. 1,659,648; Feb. 21.
- Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,664,403; Apr. 3.
- Douglas, Harry A., Bronson, Mich. Lock. 1,664,404; Apr. 3.
- Douglas, Harry A., Bronson, Mich. Electric lamp. 1,664,876; Apr. 3.
- Douglas, Harry A., Bronson, Mich. Door-latching mechanism. 1,668,553; May 8.
- Douglas, Harry A., Bronson, Mich. Incandescent electric lamp and mounting therefor. 1,674,098; June 19.
- Douglas, Harry A., Bronson, Mich. Electric reflecting lamp. 1,677,752; July 17.
- Douglas, Harry A., Bronson, Mich. Casing having light-transmitting closure. 1,678,137; July 24.
- Douglas, Harry A., Bronson, Mich. Circuit connector. 1,678,138; July 24.
- Douglas, Harry A., Bronson, Mich. Circuit connector. 1,679,333; July 31.
- Douglas, Harry A., Bronson, Mich. Electric switch. 1,679,334; July 31.
- Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,679,335; July 31.
- Douglas, Harry A., Bronson, Mich. Instrument-board casings. 1,691,844; Nov. 13.
- Douglas, Harry A., Bronson, Mich. Attaching means for lamp. 1,693,596; Dec. 4.

- Douglas, Hazen, Dundalk, Md. Educational card game. 1,666,996; Apr. 24.
- Douglas, James D., Detroit, Mich. Portfolio. 1,659,394; Feb. 14.
- Douglas, James D., Detroit, Mich. Portfolio. 1,659,395; Feb. 14.
- Douglas, James D., Detroit, Mich. Portfolio. 1,675,406; July 3.
- Douglas, James D., Detroit, Mich. Combination portfolio and brief case. 1,691,049; Nov. 13.
- Douglas, John, Company, The. (See Hohmeister, Arthur E., assignor.)
- Douglas, John A., Woodside, assignor to Auto Pneumatic Action Company, New York, N. Y. Tension regulator. 1,680,368; Aug. 14.
- Douglas, Paul H. (See Thomas, I. D., and Douglas.)
- Douglas, William H., Keyport, N. J., assignor, by mesne assignments, to Healy-Aeromarine Bus Company, Inc. Transmission. 1,654,924; Jan. 3.
- Douglass, Agnes, Plattesville, assignor to Waite Carpet Company, Oshkosh, Wis. Rug. Des. 76,733; Oct. 30.
- Douglass, Harry B., assignor to Investment Buyers Corporation, Detroit, Mich. Combined folder and check book. 1,672,881; June 12.
- Douglass, James B., Harvey, Iowa. Glove protector. 1,664,542; Apr. 3.
- Douglass, Murray G., assignor to Tenney & Porter, Inc., Leominster, Mass. Shoehorn. Des. 75,018; May 1.
- Douglass, Roy D., Minneapolis, Minn. Piston-ring expanding and contracting pliers. 1,681,662; Aug. 21.
- Douglass, William A., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrating ores and minerals by flotation. 1,659,396; Feb. 14.
- Douglass, William A., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Concentrating ores and minerals by flotation. 1,674,166; June 19.
- Dourson, Louis A., assignor to The American Oil Pump & Tank Co., Cincinnati, Ohio. Liquid measuring and dispensing apparatus. 1,657,377; Jan. 24.
- Dourson, Louis A., assignor to The American Oil Pump & Tank Co., Cincinnati, Ohio. Double-cylinder double-acting pump. 1,657,378; Jan. 24.
- Douthitt Engineering Co. (See Bosworth, Alfred W., assignor.)
- Douty, Alfred. (See Gravel, J. H., and Douty.)
- Dovan Chemical Corporation. (See Weiss, Morris L., assignor.)
- Dovaston, Walter A., New York, N. Y. Bottle cleaner. 1,656,975; Jan. 24.
- Dover, Arnon D., Polk, Nebr. Mail box. 1,670,244; May 15.
- Dover, George W., assignor to Dovercraft Company, Inc., Providence, R. I. Curtain fixture. 1,674,619; June 19.
- Dover Manufacturing Company, The. (See Johnson-Vea, Charles T., assignor.)
- Dover Stamping & Manufacturing Company. (See Hayes, John E. R., assignor.)
- Dover Stamping & Manufacturing Company. (See Long, Clarence F., assignor.)
- Dover Stamping & Manufacturing Company. (See Whitney, Horace E., assignor.)
- Dovercraft Company. (See Dover, George W., assignor.)
- Dovjikov, Alexander D. (See Evans, R. D., Wagner, Dovjikov, and Shand.)
- Dow, Albert M., El Paso, Tex. Tank-car valve. 1,689,998; Oct. 30.
- Dow, Alexander, assignor to Dow Transmission Corporation, New York, N. Y. Variable-speed power transmission. 1,665,408; Apr. 10.
- Dow, Alexander, assignor to Dow Transmission Corporation, New York, N. Y. Clutch mechanism. 1,665,409; Apr. 10.
- Dow, Alexander, assignor to The Dow Transmission Corporation, New York, N. Y. Variable-speed power transmission. 1,673,278; June 12.
- Dow, Alexander, assignor to Dow Transmission Corporation, New York, N. Y. Variable-speed power transmission. 1,673,279; June 12.
- Dow, Alva M., Braintree, Mass., assignor of one-half to R. I. Johns, Brooklyn, N. Y. Spraying apparatus. 1,687,085; Oct. 9.
- Dow Chemical Company, The. (See Gann, John A., assignor.)
- Dow Chemical Company, The. (See Smith, Albert K., assignor.)
- Dow Chemical Company, The. (See Strosacker, C. J., and Kennedy, assignors.)
- Dow Chemical Company, The. (See Veazey, William R., assignor.)
- Dow, Floyd Wyant, Ill. Valley, hip, and ridge construction for roofs. 1,685,524; Sept. 25.
- Dow, Floyd Wyant, Ill. Flashing for roof construction. 1,685,525; Sept. 25.
- Dow, John G., San Francisco, Calif., assignor of one-half to T. P. Galvin and one-third to J. C. Burdick. Apparatus for separating eggs. 1,692,931; Nov. 27.
- Dow, Richard F., assignor to The Whitney Mfg. Co., Hartford, Conn. Drive chain and links therefor. 1,665,808; Apr. 10.
- Dow, Robert J., St. Paul, Minn. Washing machine. 1,691,544; Nov. 13.
- Dow Transmission Corporation. (See Dow, Alexander, assignor.)
- Dowd, Francis J. (See King, D. H., Dowd, and Stevens.)
- Dowd, Francis J. (See Magazzini, J., and Dowd.)
- Dowd, John H., assignor to The Billings & Spencer Company, Hartford, Conn. Wrench. 1,662,002; Mar. 6.
- Dowd, John H., assignor to The Billings & Spencer Company, Hartford, Conn. Adjustable socket wrench. 1,673,761; June 12.
- Dowd, William C., Quincy, Ill. Multistage pump. 1,692,291; Nov. 20.
- Dowdall, James T., Glen Morris, N. Y. Hat-welt-edge-sewing machine. 1,668,057; May 1.
- Dowdall, James T., Glen Morris, N. Y. Spool-holding device. 1,684,951; Sept. 18.
- Dowdall, Roy L., Sabetha, and C. C. Palmer, assignors of two-thirds to G. Bowman, Concordia, Kans., and one-third to said Palmer. Grain cleaner and dust remover for elevators. 1,659,088; Feb. 14.
- Dowdey, Landon A., Washington, D. C. Rotary internal-combustion engine. 1,695,888; Dec. 18.
- Dowdy, Roy F., and J. W. Brewbaker, Roanoke, Va. Circuit breaker. 1,664,065; Mar. 27.
- Doweiko, James C., assignor to National Seal Company, Inc., Brooklyn, N. Y. Closure. 1,692,634; Nov. 20.
- Dowell, John F., Glendale, Calif. Metal base. 1,673,971; June 19.
- Dowie, Horace, Brooklyn, N. Y. Combination valve. 1,673,811; June 19.
- Dowie, Harry F., Aurora, Ill., assignor to Kroehler Mfg. Co., Naperville, Ill. Reclining chair. 1,688,576; Oct. 23.
- Dowling, Francis J., assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Expansible bolt lock. 1,660,325; Feb. 28.
- Dowling, Joseph, Chicago, Ill. Dish washing and drying machine. 1,673,972; June 19.
- Down, Sidney G., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake. 1,660,481; Feb. 28.
- Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor-unloading device. 1,663,687; Mar. 27.
- Downe, Edward R., Larchmont, assignor to American Radiator Company, New York, N. Y. Gas boiler. 1,690,105; Nov. 6.
- Downer, Murillo, Chicago, Ill. Boiler washing and refilling device. 1,680,772; Aug. 14.
- Downes, Andrew, assignor to Cartier Limited, London, England. Expanding bracelet and like articles of jewelry. 1,682,607; Aug. 28.
- Downes-Martin, Lelia, Christchurch, England. Match box, ash tray, and other boxes and trays. 1,666,294; Apr. 17.
- Downey, Michael J., Springfield, Mass. Portable ash-can truck. 1,695,183; Dec. 11.
- Downey, Patrick V., and C. H. Wendroff, Denver, Colo. Apparatus for heating oil wells. 1,681,523; Aug. 21.
- Downing, John B., East Orange, assignor to Beaver Machine & Tool Co., Inc., Newark, N. J. Electric socket. 1,669,122; May 8.
- Downing, Omer L., South Norwood, Ohio. Adjustable hose cap for fire-department connections. 1,676,081; July 3.
- Downing, Virgil S., Jackson, Miss. Illuminating lamp for autos. 1,680,508; Aug. 14.
- Downs, Charles R., New Haven, Conn., assignor to Weiss and Downs, Inc., New York, N. Y. Fusion of aromatic sulphonic compounds. 1,658,230; Feb. 7.
- Downs, Charles R., New Haven, Conn., and C. H. Strange, Pottsville, Pa., assignors to Hirsch-Lederer Syndicate, Inc., New York, N. Y. Coal cleaning. 1,656,270; Jan. 17.
- Downs, Charles R., New Haven, Conn., and C. H. Strange, Pottsville, Pa., assignors to Hirsch-Lederer Syndicate, Inc., New York, N. Y. Cleaning of coal. 1,656,271; Jan. 17.
- Downs, Charles R., Cliffside, N. J. Catalyst carrier. 1,672,308; June 5.
- Downs, Charles R., Cliffside, and L. Weisberg, Grantwood, N. J., assignors to The Barrett Company. Water-resistant polyhydric alcohol-carboxylic acid resin and making same. 1,667,197; Apr. 24.
- Downs, Charles R., Cliffside, and L. Weisberg, Grantwood, N. J., assignors to The Barrett Company. Water-resistant carboxylic acid-polyhydric alcohol resins. 1,667,198; Apr. 24.
- Downs, Charles R., Cliffside, and L. Weisberg, Grantwood, N. J., assignors to The Barrett Company. Water-resistant carboxylic acid-polyhydric alcohol resin. 1,667,199; Apr. 24.
- Downs, Charles R., Cliffside, and L. Weisberg, Grantwood, N. J., assignors to The Barrett Company. Water-resistant carboxylic acid-polyhydric alcohol resin. 1,667,200; Apr. 24.
- Downs, Garrett B., Mauch Chunk, Pa. Automatic toy crane. 1,692,723; Nov. 20.
- Downs, Helen A., Long Beach, Calif. Fire safety means. 1,660,867; Feb. 28.
- Downs, Helen E., Los Angeles, Calif. Hair clamp. 1,690,106; Nov. 6.
- Downs, Mabel J., executrix. (See Jones, Albert F.)
- Downs, Thomas, Somerset, N. J. Updraft process of and muffle kiln for firing. 1,677,818; July 17.

- Downward, James S., Dallas, Tex. Producing asphalt paving mixtures. 1,662,377; Mar. 13.
- Dowrie, Charles F., Detroit, Mich., assignor to Silent Automatic Corporation. Shaft coupling. 1,669,931; May 15.
- Dows, Walter G., Dorchester, Mass. Pipe fitting. 1,671,816; May 29.
- Dows, Walter G., Dorchester, Mass. Pipe fitting. 1,688,921; Oct. 23.
- Dowsett, Harry M., Colchester, and H. B. Tilley, Chelmsford, England, assignors to The Radio Corporation of America, New York, N. Y. Electrical resistance. 1,688,381; Oct. 23.
- Dowst, Theodore S., Chicago, Ill. Child's wheel toy and making the same. 1,690,217; Nov. 6.
- Dox, Arthur W., and L. Yoder, assignors to Parke, Davis & Company, Detroit, Mich. Carbamate of halogen-substituted tertiary alcohols. 1,658,231; Feb. 7.
- Doxey, George A., Staten Island, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,660,991; Feb. 28.
- Doxford, Robert P. (See Keller, Karl O., assignor.)
- Doying, Ernest G. (See Ray, A. B., Doying, and Butkovsky.)
- Doyle, Arthur W. (See Calister, Lee O., assignor.)
- Doyle, James S. (See Hedley, F., and Doyle.)
- Doyle, John T. (See Kilburn, I. J., and Doyle.)
- Doyle, John W., Seattle, Wash. Power-driven drill. 1,675,168; June 26.
- Doyle, Nicholas A., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Rail joint. 1,689,169; Oct. 23.
- Drager, Lloyd H., assignor to Chain Belt Company, Milwaukee, Wis. Pivoted bucket conveyer. 1,671,017; May 22.
- Dräger, Alexander B. (See Christensen, Alfred H. L., assignor.)
- Dräger, Alexander B. (See Schröder, Hans W. C., assignor.)
- Dräger, Alexander B. (See Stelzner, Hermann, assignor.)
- Dräger, Alexander B., deceased, Lubeck, Germany; E. Dräger, née Stange, executrix. Breathing device. 1,691,648; Nov. 13.
- Dräger, Alexander B., deceased, Lubeck, Germany; E. Dräger, née Stange, executrix. Self-contained lung-power breathing device. 1,695,537; Dec. 18.
- Dräger, Alexander B. (See Schröder, Hans W. C., assignor.)
- Dräger, Alexander B., Lubeck, Germany. Air-purifying cartridge for breathing devices. 1,654,925; Jan. 3.
- Dräger, Alexander B., deceased, Lubeck, Germany; E. Dräger, née Stange, executrix. Spring clamp for breathing bags. 1,679,115; July 31.
- Dräger, Alexander B., deceased, Lubeck, Germany; E. Dräger, née Stange, executrix. Breathing tube for self-rescue apparatus. 1,679,116; July 31.
- Dräger, Alexander B., deceased, Lubeck, Germany; E. Dräger, née Stange, executrix. Self-contained breathing apparatus. 1,684,664; Sept. 18.
- Dräger, Elfriede, executrix. (See Schröder, Hans W. C.)
- Dräger, Elfriede (née Stange), executrix. (See Christensen, Alfred H. L., assignor.)
- Dräger, Elfriede, née Stange, executrix. (See Dräger, Alexander B.)
- Dräger, Elfriede, née Stange, executrix. (See Schröder, Hans W. C.)
- Dräger, Elfriede, née Stangen, executrix. (See Stelzner, Hermann.)
- Draggie, John, Pittsburgh, Pa. Toothpick holder. 1,696,080; Dec. 18.
- Dragon, Joseph, McKees Rocks, Pa. Tool handle. 1,692,490; Nov. 20.
- Draher, John, and A. J. Krieger, assignors to The Sterling Novelty Mfg. Co., Waterbury, Conn. Separable fastener. 1,662,367; Mar. 13.
- Drahn, Carl, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Apparatus for the separation of oil from oil containing substances. 1,685,534; Sept. 25.
- Drahtindustrie Peter Darmstadt & Co. G. m. b. H. (See Darmstadt, P., Stegmann, and Weil, assignors.)
- Drake, Alden M., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Internal-grinding machine. 1,662,240; Mar. 13.
- Drake, Alden M., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Method and apparatus for grinding internal surfaces. 1,662,241; Mar. 13.
- Drake, Alden M., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Wheel-truing device for grinding machines. 1,662,242; Mar. 13.
- Drake, Alden M., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Guard casing for grinding machines and support therefor. 1,689,719; Oct. 30.
- Drake, Alden M., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Chuck. 1,691,649; Nov. 13.
- Drake Avery Company. (See Hinrich, Robert M., assignor.)
- Drake, Charles B., Norfolk, Va. Valve. 1,687,493; Oct. 16.
- Drake, Charles B., Norfolk, Va. Valve. 1,687,548; Oct. 16.
- Drake, Chester W., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Synchronous motor starter. 1,685,944; Oct. 2.
- Drake, Clarence E. (See Kienast, S. P., and Drake.)
- Drake, Eugene T., Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill. Production of nitrites. 1,685,629; Sept. 25.
- Drake, Eugene T., Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill. Curing meats. 1,685,630; Sept. 25.
- Drake, Frank M., assignor to Federal Can Company, Nashville, Tenn. Receptacle. 1,674,962; June 26.
- Drake, George W. (See Burrell, E. P., and Drake.)
- Drake, Harcourt C., Hempstead, N. Y. Electric toaster. 1,677,177; July 17.
- Drake, Harcourt C., Hempstead, and E. A. Sperry, Brooklyn, N. Y., assignors to Sperry Development Company, Dover Green, Del. Transmission system for automotive vehicles. 1,688,691; Oct. 23.
- Drake, Harry A., West Nyack, N. Y. Wooden boat or drag. 1,665,449; Apr. 10.
- Drake, Harry R., Milwaukee, Wis. Clothesline clamp. 1,690,815; Nov. 6.
- Drake, Herbert W., East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Potential-indicating system. 1,679,326; July 31.
- Drake, Herbert W., East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Composite signaling system. 1,687,432; Oct. 9.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,656,102; Jan. 10.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Cooler for sheet-glass apparatus. 1,656,103; Jan. 10.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet of glass and producing the same. 1,667,146; Apr. 24.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass-producing apparatus. 1,678,060; July 24.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-forming apparatus. 1,688,528; Oct. 23.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-edge block. 1,688,529; Oct. 23.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Cooler for sheet-glass apparatus. 1,688,530; Oct. 23.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Grinding head. 1,692,635; Nov. 20.
- Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Treating glass. 1,695,538; Dec. 18.
- Drake, Norman C., Brooklyn, assignor to Redfield-Kendrick-Odell Co. Inc., New York, N. Y. Delivery mechanism. 1,685,945; Oct. 2.
- Drake, Otto S., Newburgh, N. Y. Speaker unit. 1,676,890; July 10.
- Drake, Ralph E., Jamaica, assignor, by mesne assignments, to Anaconda Sales Company, New York, N. Y. Metal-surfaced material. 1,680,096; Aug. 7.
- Drake, Raymond E., Brockton, assignor to Avon Sole Company, Avon, Mass. Making rubber soles. 1,674,503; June 19.
- Drake, Samuel H. (See Stark, W. E., and Drake.)
- Drake, Tom, Altrincham, assignor to Linotype and Machinery Limited, London, England. Mold for typographical line-casting machines. 1,657,247; Jan. 24.
- Drake, Tom, Altrincham, assignor to Linotype and Machinery Limited, London, England. Assembling mechanism of typographical composing machine. 1,671,149; May 29.
- Drake, Tom, Altrincham, assignor to Linotype and Machinery Limited, London, England. Distributing mechanism of typographical composing and distributing machines. 1,671,150; May 29.
- Drange, Carl E., assignor to I. and D. J. Scott, executors of the estate of W. Scott, deceased, doing business under the name of Walter Scott & Company, Plainfield, N. J. Web-replenishing mechanism. 1,693,436; Nov. 27.
- Drapeau, Benjamin L., assignor to Standard Abrasive Co., Jersey City, N. J. Box. 1,695,143; Dec. 11.
- Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Closure for sheet-metal containers. 1,667,697; Apr. 24.
- Draper, Clare H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Weft-replenishing loom. 1,661,328; Mar. 6.
- Draper, Clare H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle-feeler thread cutter. 1,666,442; Apr. 17.
- Draper, Clare H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle-tension-controlling mechanism for looms. 1,666,443; Apr. 17.
- Draper, Clare H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,670,655; May 22.
- Draper, Clare H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Take-up mechanism for looms. 1,672,204; June 5.
- Draper Corporation. (See Boyd, Samuel, assignor.)
- Draper Corporation. (See Brown, Carl D., assignor.)
- Draper Corporation. (See Cunliff, Edward A., assignor.)
- Draper Corporation. (See Davis, Harry A., assignor.)
- Draper Corporation. (See Deane, Stewart O., assignor.)
- Draper Corporation. (See Draper, Clare H., assignor.)

- Draper Corporation. (See Hammett, O. C., and Scott, assignors.)
- Draper Corporation. (See Heard, Nathan, assignor.)
- Draper Corporation. (See Hucks, Ivey O., assignor.)
- Draper Corporation. (See Hunter, Rufus C., assignor.)
- Draper Corporation. (See Kearsley, Richard A., assignor.)
- Draper Corporation. (See Magill, John, assignor.)
- Draper Corporation. (See Malloy, James T., assignor.)
- Draper Corporation. (See Merrill, Charles F., assignor.)
- Draper Corporation. (See Miller, Joseph A., assignor.)
- Draper Corporation. (See Northrop, Jonas, assignor.)
- Draper Corporation. (See Reece, James R., assignor.)
- Draper Corporation. (See Reeves, Alfred N., assignor.)
- Draper Corporation. (See Stafford Alfred E., assignor.)
- Draper Corporation. (See Stimpson, Wallace I., assignor.)
- Draper Corporation. (See Tebo, William A., assignor.)
- Draper Corporation. (See Willard, George H., assignor.)
- Draper, Francis M., Dana, Ind. Ventilator attachment for water-closets. 1,655,495; Jan. 10.
- Draper, Frank N., Denver, Colo. Lighting device for vehicles. 1,654,695; Sept. 18.
- Draper, Harold M., Greensboro, N. C. Bottle cooler and dispenser. 1,654,966; Jan. 3.
- Draper, James, San Juan, P. R. Washing apparatus. Re17,063; Aug. 7.
- Draper, Luther O. (See Pidgeon, Elmer F., assignor.)
- Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
- Draper Manufacturing Company, The. (See Grosser, Walter C., assignor.)
- Draper-Maynard Company, The. (See Maynard, John E., assignor.)
- Draydon, William H., Detroit, Mich. Calendar. 1,695,539; Dec. 18.
- Draver, Emil R., Richmond, Ind. Window-sash holder. 1,660,071; Feb. 21.
- Dravo Contracting Company. (See Kersting, Bernard H., assignor.)
- Drave, Bernard, Cleveland, Ohio. Combination vent and soil pipe fitting. 1,671,278; May 29.
- Drayer, Samuel E., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Side lamp for automobiles. 1,678,332; July 24.
- Dreadnought Electric Corporation. (See Sattels, Joseph T., assignor.)
- Dreaper, William P., Hampstead Heath, England. Alloy and its uses. 1,680,598; Aug. 14.
- Dreaper, William P., Hampstead Heath, London, England. Apparatus for filtering solutions used in the manufacture of artificial silk and the like. 1,685,775; Oct. 2.
- Drees, Albert J., H. B. Rock, and J. A. Reeves, assignors to L. A. Ice and Cold Storage Company, Los Angeles, Calif. Bottle filler. 1,657,792; Jan. 31.
- Drees, Frank A., assignor, by mesne assignments, of one-half to F. D. Turner, Pawhuska, Okla. Fitting. 1,681,470; Aug. 21.
- Dreger, Edward F., Kentfield, Calif. Apparatus for conditioning paper. 1,657,073; Jan. 24.
- Dreher, Albert J., and F. J. Couch, Cincinnati, assignors to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Centrifugal starching apparatus. 1,686,313; Oct. 2.
- Dreifuss, Audrey, et al. (See Schmid, Werner, assignor.)
- Dreifuss, Emil, et al. (See Schmid, Werner, assignor.)
- Dreifuss, Jerome, et al. (See Schmid, Werner, assignor.)
- Dreifuss, Louis, et al. (See Schmid, Werner, assignor.)
- Dreifuss, Sybille, et al. (See Schmid, Werner, assignor.)
- Dreilick, Axel C. G., Sundsvall, Sweden. Tool for joining wooden articles. 1,676,326; July 10.
- Drein Products Corporation. (See Mayer, Emil, assignor.)
- Dreis, Herman C., Chicago, Ill. Bending machine for bending plates or strips of sheet metal. 1,694,585; Dec. 11.
- Drem Products Corporation. (See Mayer, Emil, assignor.)
- Drenning, Percy R. (See Symington, T. H., and Drenning.)
- Drenning, Percy R., assignor, by mesne assignments, to T. H. Symington and Son, Inc., Baltimore, Md. Bolster for railway cars. 1,670,143; May 15.
- Drenning, Percy R., Baltimore, Md., assignor, by mesne assignments, to The Symington Company, New York, N. Y. Draft rigging. 1,676,178; July 3.
- Drenning, Percy R., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Bolster with absorption mechanism. 1,695,456; Dec. 18.
- Drenshstein, Ephraim, Brooklyn, N. Y. Abdominal supporting corset. 1,669,605; May 15.
- Dresses, Henry, Cincinnati, and J. E. Larsh, Cheviot, assignors to The Dresses Machine Tool Co., Cincinnati, Ohio. Radial drill. 1,672,932; June 12.
- Dresses Machine Tool Co., The. (See Dresses, H., and Larsh, assignors.)
- Dressel, Frederick W., New York, N. Y., assignor to Dressel Railway Lamp & Signal Corporation, Arlington, N. J. Light-projecting device. 1,682,608; Aug. 28.
- Dressel, Henry M., Chicago, Ill. Loud speaker. 1,666,198; Apr. 17.
- Dressel Railway Lamp & Signal Corporation. (See Dressel, Frederick W., assignor.)
- Dressel Railway Lamp & Signal Corporation. (See Hobbie, Alonzo D., assignor.)
- Dresser, Charles A., Greenburg, N. Y., and E. W. Hammer, South Orange, N. J., assignors to Cline Electric Manufacturing Company, Chicago, Ill. Tension device for newspaper-roll stands. 1,678,109; July 24.
- Dresser, Clarence J., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Phase-failure and phase-reversal protector. 1,691,433; Nov. 13.
- Dresser, S. R., Manufacturing Company. (See Clark, J., Smith, and Meese, assignors.)
- Dresser, S. R., Manufacturing Company. (See Smith, Frank N., assignor.)
- Dressler, Charles E., New York, N. Y. Blood-pressure apparatus. 1,690,671; Nov. 6.
- Dressler, Conrad, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Method of and apparatus for vulcanizing. 1,662,804; Mar. 13.
- Dressler, Sigmund B., Newark, N. J. Fresnel-type lens. 1,682,490; Aug. 28.
- Dreuil, Emile J., New Orleans, La. Tool. 1,677,622; July 17.
- Dreux, Alexander H., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Container. 1,695,802; Dec. 18.
- Dreux, René. (See Valentin, Paul, assignor.)
- Drevitson, Carl B. (See Kenney, George F., assignor.)
- Drevitson, Carl B., Somerville, Mass. Skate. 1,666,690; Apr. 17.
- Drevitson, Carl B., Somerville, Mass. Playing club and making the same. 1,673,873; June 19.
- Drevitson, Carl B., Somerville, Mass. Golf tee. 1,675,335; July 3.
- Drevitson, Carl B., Somerville, Mass. Golf club. 1,678,637; July 31.
- Drevitson, Carl B., Somerville, Mass. Tubing. 1,683,178; Oct. 16.
- Drew, John E., Jersey City, N. J., assignor to Wade and Butcher Corporation, Making curved razor blades. 1,672,516; June 5.
- Drew, Paul and L. C. Zabriskie, Ridgewood, N. J. Combined radio loud speaker and bird cage. Des. 74,172; Jan. 3.
- Drew, Robert S., Evanston, and C. L. Cruver, Oak Park, assignors to Cruver Manufacturing Company, Chicago, Ill. Calculating device. 1,659,246; Feb. 14.
- Drewry, George F., assignor to The Lincoln Meter Company, Limited, Toronto, Ontario, Canada. Meter for measuring combined polyphase and single-phase electrical energy. 1,688,858; Oct. 23.
- Drewsen, Viggo, Larchmont, assignor to West Virginia Pulp & Paper Company, New York, N. Y. Making sodium monosulphite. 1,659,193; Feb. 14.
- Drexler, Joseph J., and H. H. Munson, assignors to Sargent & Company, New Haven, Conn. Detent mechanism for door closers and the like. 1,687,009; Oct. 9.
- Drey, Simpson & Company. (See Byrd, Hugh L., assignor.)
- Dreyer, Frederick, Chicago, Ill. Can opener. 1,691,050; Nov. 13.
- Dreyer, Hans, Munich-Harlaching, Germany. Railway-track inspection apparatus. 1,667,246; Apr. 24.
- Dreyer, Harry W. (See Dreyer, John F., Jr., and H. W.)
- Dreyer, John F., Jr., Brooklyn, N. Y., assignor to Hazeltine Corporation. Wave signaling system. 1,695,842; Dec. 18.
- Dreyer, John F., Jr., and H. W., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Corporation. Neutralizing capacity coupling. 1,672,641; June 5.
- Dreyer, Otto, Essen-on-the-Ruhr, Germany. Device for automatically disconnecting electric circuits. 1,658,158; Feb. 7.
- Dreyfus, Camille, New York, N. Y., and H. Platt, Cumberland, Md., assignors to Celanese Corporation of America. Differential colored fabric and making same. 1,689,426; Oct. 30.
- Dreyfus, Henry, London, England. Manufacture of compositions or preparations with cellulose derivatives. 1,661,169; Mar. 6.
- Dreyfus, Henry, London, England. Manufacture of artificial textile products. 1,669,158; May 8.
- Dreyfus, Henry, London, England. Manufacture of artificial silk, artificial horsehair, and the like. 1,683,531; Oct. 23.
- Dreyfus, Henry, London, England. Filaments or threads of cellulose derivatives and making same. 1,688,532; Oct. 23.
- Dreyfus, Henry, London, and C. I. Haney, Spondon, near Derby, England, assignors to Celanese Corporation of America. Concentrating lower-aliphatic-acid solutions. 1,696,432; Dec. 25.
- Dreyfus, Ludwig, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Two-voltage direct-current generator. 1,665,691; Apr. 10.
- Dr. Heinrich Traun & Söhne, vormals Harburger Gummi-Kamm-Compagnie. (See Steppes, Friedrich E. K., assignor.)
- Drieghe, Maurice, Butte, Mont. Gun sight. 1,676,533; July 10.
- Drill, Daniel C. (See Mottweiler, O. F., and Drill.)
- Drinosky, John, Jr., Niles, Ohio. Baby walker. 1,688,922; Oct. 23.
- Driscoll, Joseph J. (See Lymburner, Armand, assignor.)
- Driscoll, Michael B., et al. (See Boyd, John R., assignor.)

- Driscoll, William H., Jersey City, N. J. Temperature-regulating means for liquid-cooled engines. 1,667,458; Apr. 24.
- Driver-Harris Company. (See Sammon, Joseph, assignor.)
- Driver-Harris Company. (See Waite, Edwin E., assignor.)
- Driver, John M., Philadelphia, Pa. Container and method of sealing. 1,661,884; Mar. 6.
- Driver, William. (See Rittman, J. W., Rood, and Driver.)
- Driver, William. (See Rood, J. M., and Driver.)
- Droege, Charles E. (See Moseley, T. H., and Droege.)
- Droege, William H., Fort Wayne, Ind. Artificial plank. 1,688,138; Oct. 16.
- Droeger, William F., Seymour, Wis. Intake for ventilator systems. 1,674,195; June 19.
- Dronen, James L., Dunkirk, N. Y. Circuit-closing attachment for pedals. 1,674,592; June 19.
- Droitcour, Michael A., Providence, R. I. Sheet-printing press. 1,666,004; Apr. 10.
- Droitcour, Michael A., Edgewood, R. I. Sheet-delivery apparatus. 1,666,489; Apr. 17.
- Drolet, Joseph R., London, Ontario, Canada. Spring compressor. 1,674,196; June 19.
- Droll, Joseph W., assignor to Droll Patents Corporation, Chicago, Ill. Mattress-beating machine. 1,683,658; Sept. 11.
- Droll Patents Corporation. (See Droll, Joseph W., assignor.)
- Drossbach, Otto, Ludwigshafen-on-the-Rhine, and O. Jordan, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Cellulose composition. 1,677,753; July 17.
- Drosselmeyer, Frank, Jersey City, N. J. Douche and syringe. 1,661,563; Mar. 6.
- Drost, Thomas, assignor to H. Wagner and Adler Co., New York, N. Y. Cue rack or the like. 1,683,533; Sept. 4.
- Drown, Alfred E. (See Dungey, J. W., and Drown.)
- Drowns, Edmond E., Cleveland, Ohio. Grinding machine. 1,692,769; Nov. 20.
- Droz, Theodore A., assignor to Rosenheim Company, Providence, R. I. Bracelet link. Des. 74,258; Jan. 17.
- Drucker, Julius. (See Müller, W. J., Carstens, and Drucker.)
- Drucker, Julius, Cologne, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purifying brine to be used in electrolytic processes. 1,687,433; Oct. 9.
- Drucker, Samuel B., Brooklyn, N. Y. Machine for making mayonnaise. 1,660,006; Feb. 21.
- Drucker, Samuel B., Brooklyn, N. Y. Mayonnaise-making machine. 1,660,007; Feb. 21.
- Drucklieb, Jeanne L., New York, N. Y. Shaker for salt and pepper or similar article of manufacture. Des. 76,127; Aug. 21.
- Drukker, Jacob, Amsterdam, Netherlands. Electric driving system. 1,661,170; Mar. 6.
- Drum, Alphonsus L., et al. (See Smith, William J., assignor.)
- Drumm, Charles F., jr., Astoria, and H. B. Shields, Freeport, assignors to International Motor Company, New York, N. Y. Motor-vehicle construction. 1,656,942; Jan. 24.
- Drumm, Elmer E., assignor to Aluminum Goods Mfg. Co., Manitowoc, Wis. Handle construction for utensils. 1,673,403; June 12.
- Drumm, Elmer E., assignor to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Cooking utensil. 1,688,039; Oct. 16.
- Drumm, James J. (See Butler, J. B., and Drumm.)
- Drumm, John B., Winslow, Ariz. Tool. 1,657,348; Jan. 24.
- Drummond, Gerald, Worcester, England. Double-acting two-stroke-cycle internal-combustion engine. 1,693,024; Nov. 27.
- Drury, Archie B., Kiowa, Kans. Wheel construction. 1,657,302; Jan. 24.
- Druschel, Henry, Columbia, Pa. Portable elevator. 1,658,042; Feb. 7.
- Dry Ice Corporation of America. (See Josephson, Walter S., assignor.)
- Dry, Meyer. (See Oxhandler, Leopold, assignor.)
- Dry Quenching Equipment Corporation. (See Moetteli, Arnold, assignor.)
- Dry Storage Battery Corporation. (See Csanyi, Henry, assignor.)
- Dry Zero Corporation. (See Lindsay, Harvey B., assignor.)
- Dryden, George B., and R. Beynon, Chicago, Ill., assignors to Dryden Rubber Company. Molding or trim and method of attachment. 1,673,141; June 12.
- Dryden, George B., and R. Beynon, Chicago, Ill., assignors to Dryden Rubber Company. Molding. 1,673,142; June 12.
- Dryden, Mary E., Chicago, Ill. Frame and holder for slippers and other articles. 1,685,277; Sept. 25.
- Dryden Rubber Company. (See Dryden, G. B., and Beynon, assignors.)
- Dryden Rubber Company. (See Kinsley, Richard F., assignor.)
- Dryden, William W., assignor to W. F. Stimpson, Louisville, Ky. Food grinder. 1,694,502; Dec. 11.
- Dryer, William P., Schenectady, N. Y., assignor to General Electric Company. Emergency governor mechanism for prime movers. 1,666,490; Apr. 17.
- Dryce Corporation of America. (See Martin, James W., jr., assignor.)
- Drying Systems, Inc. (See Bluemel, Gustave, assignor.)
- Drying Systems, Inc. (See Bolling, John E., assignor.)
- Drying Systems, Inc. (See Sauvage, Herbert J., assignor.)
- Drying Systems, Inc., et al. (See Bolling, J. E., and Szekeley, assignors.)
- Dual Motors Corporation. (See Streeter, Albert B., assignor.)
- Du Barry, Edward G. (See Morris, M. D., and Du Barry.)
- Dubassoff, Dmitri, Philadelphia, Pa. Bracelet. Des. 76,857; Nov. 13.
- Dubbs, Carbon P., Wilmette, assignor to The Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,670,103; May 15.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oil. 1,670,104; May 15.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,686,654; Oct. 9.
- Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oil. 1,690,997; Nov. 6.
- Dubilier Condenser Corporation. (See Capicotto James V., assignor.)
- Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
- Dubilier Condenser Corporation. (See Edenburg, Ludwig, assignor.)
- Dubilier Condenser Corporation. (See Goodman, William H., assignor.)
- Dubilier Condenser Corporation. (See Houck, Harry W., assignor.)
- Dubilier Condenser Corporation. (See Katzman, Jacob, assignor.)
- Dubilier Condenser Corporation. (See Nyman, Alexander, assignor.)
- Dubilier Condenser Corporation. (See Van Deventer, Harry R., assignor.)
- Dubilier Condenser Corporation. (See Vawter, Charles E., assignor.)
- Dubilier Condenser Corporation. (See Weiss, Arthur J., assignor.)
- Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Carrier-wave coupler. 1,657,248; Jan. 24.
- Dubilier, William, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,671,519; May 29.
- Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Grid-leak resistance. 1,683,067; Sept. 4.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,688,960; Oct. 23.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,688,961; Oct. 23.
- Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical resistance. 1,694,167; Dec. 4.
- Dubilier, William, New Rochelle, assignor to Radio Patents Corporation, New York, N. Y. Electric flasher device. 1,692,292; Nov. 20.
- Dubin, Harry E., assignor, by mesne assignments, to H. A. Metz Laboratories, Inc., New York, N. Y. Edible fat composition. 1,656,474; Jan. 17.
- Du Bois, Alexander D., Minneapolis, Minn. Torque-equalizing system. 1,685,839; Oct. 2.
- Dubois, Charles A., assignor to The Societe Parisienne de Mecanique Generale, Paris, France. Taximeter. 1,674,323; June 19.
- Du Bois-Reymond, Alard. (See Hahnemann, W., and du Bois-Reymond.)
- Dubost, Michel, Paris, France, assignor to F. Ducharne Silk Co., Inc., New York, N. Y. Textile fabric. Des. 75,154; May 15.
- Dubost, Michel, Paris, France, assignor to F. Ducharne Silk Co., Inc., New York, N. Y. Textile fabric. Des. 75,415; June 5.
- Dubost, Michel, Paris, France, assignor to F. Ducharne Silk Co., Inc., New York, N. Y. Textile fabric. Des. 75,416; June 5.
- Dubost, Michel, Paris, France, assignor to F. Ducharne Silk Co., Inc., New York, N. Y. Textile fabric. Des. 75,479; June 12.
- Dubreuil, Gaston, assignor to Societe Anonyme pour Appareillages Mecaniques, Levallois-Perret, France. Joint for visible dispensing apparatus for liquids. 1,655,093; Jan. 3.
- Du Brie, Stanley R., Grosse Pointe Park, Mich. Heater. 1,681,726; Aug. 21.
- Duby, John F., Dorchester, Mass. Geometric instrument. 1,679,934; Aug. 7.
- Ducamp, Albert J., Versailles, France. Carburetor. 1,671,817; May 29.
- Ducas, Charles, New York, N. Y. Forced-draft device. 1,688,118; Oct. 16.
- Ducat, Harry H., Los Angeles, Calif. Hosiery. 1,693,141; Nov. 27.

- Duchange, Maurice, assignor to Compagnie de Béthune, Bully-les-Mines, France. Apparatus for the transformation of ethylsulphuric acid into alcohol or ethers. 1,674,891; June 26.
- Ducharne, F., Silk Co. Inc. (See Dubost, Michel, assignor.)
- Duchesne, Ernest, Schenectady, N. Y. Fluid-pressure motor. 1,669,233; May 8.
- Duchesneau, Jean B. A. (See Fridolph, J. S., and Duchesneau.)
- Duchesneau, Joseph, Leominster, Mass., assignor, by mesne assignments, to The De-Lite-U-S Spring Clasp Corporation, New York, N. Y. Flying top. 1,681,524; Aug. 21.
- Duchsherer, Matthew, Balfour, N. Dak. Automatic railway gate. 1,663,040; Mar. 20.
- Ducker, Louis F. (See Beaumont, True D., assignor.)
- Duckham, Arthur M., D. Rider, and J. S. Watts, London, England. Heat treatment of materials for distilling, drying, or carbonizing them. 1,662,663; Mar. 13.
- Duckworth Chain and Manufacturing Company. (See Johnson, C. E., and McCann, assignors.)
- Duckworth, Harry, Overland, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,679,352; Aug. 7.
- Duclaux, Jacques, Paris, France. Ultrafilter membrane. 1,693,890; Dec. 4.
- Duclaux, Jacques, Paris, France, assignor to Fabrique de Sole Artificielle de Tubize, Société Anonyme, Brussels, Belgium. Concentration of acetic acid. 1,660,418; Feb. 28.
- Ducy, Daniel F., Decatur, Ill. Knee cushion for church pews. 1,680,509; Aug. 14.
- Duda, Franz, Vienna, Austria. Apparatus for photographing quick motions. 1,661,034; Feb. 28.
- Duda, Oswald. (See Childs, W. L., Behnke, and Duda.)
- Duda, Oswald, South Houston, assignor to Reed Roller Bit Company, Houston, Tex. Roller bit and reamer. 1,660,309; Feb. 21.
- Dudderar, Daniel W., Mount Airy, Md. Retort-cover clamp. 1,664,972; Apr. 3.
- Dudek, Benjamin F., and R. J. Mandery, Lincoln, Nebr. Toy vehicle. 1,663,121; Mar. 20.
- Dudfield, Alvin, Liberty, and G. P. Morris, Kansas City, Mo. Visible strip screed and ground. 1,668,842; May 8.
- Dudfield, Alvin, Liberty, and G. P. Morris, Kansas City, Mo. Concrete-floor screed leveler. 1,686,902; Oct. 9.
- Dudley, Boyd, Jr., Syracuse, assignor to American Piano Company, New York, N. Y. Adjusting valve throw. 1,684,014; Sept. 11.
- Dudley, Boyd, Jr., Syracuse, assignor to American Piano Company, New York, N. Y. Apparatus for adjusting valve throw. 1,684,015; Sept. 11.
- Dudley, Charles H., Swampscott, Mass., assignor to Krippendorff Calculator Company, Portland, Me. Calculating machine. 1,672,882; June 12.
- Dudley, Colon J., Hamburg, N. Y. Combined basket cover and handle fastening means. 1,690,722; Nov. 6.
- Dudley, Emmet A., Salemburg, N. C. Slip-in pump valve. 1,668,891; May 8.
- Dudley, Harold W., London, England. Specific antidiabetic principle. 1,669,328; May 8.
- Dudley, Oscar C., Canton, N. C. Plug. 1,691,231; Nov. 13.
- Dudley, William A., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Automatic reversing system for telegraph circuits. 1,673,445; June 12.
- Dudley, William A., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Automatic reversing system for multiplex circuits. 1,677,859; July 17.
- Duemler, Virgil E., Maplewood, and G. R. Koeln, assignors, by mesne assignments, to Electrol, Inc. of Missouri, St. Louis, Mo. Power circuit for electric machines. 1,680,773; Aug. 14.
- Duerk, Frederick C., Defiance, Ohio. Ventilating apparatus. 1,687,156; Oct. 9.
- Duerr, Philip F., South Bend, Nebr. Corn husker. 1,695,324; Dec. 18.
- Duesenberg, Frederick S., Indianapolis, Ind., assignor to Indianapolis, Corporation, Wilmington, Del. Fluid-pressure brake system. 1,681,030; Aug. 14.
- Dufay, Louis, Versailles, France. Color photography or cinematography. 1,673,350; June 12.
- Duff, Bert, and W. F. Klingman, Duluth, Minn. Printing press. 1,654,796; Jan. 3.
- Duff, Harry. (See Plum, S. H., 2d, and Duff.)
- Duff, James W. (See Lambert, George E., assignor.)
- Dufficy, William J., Denver, Colo. Screen-clamping device. 1,685,705; Sept. 25.
- Duffield, David W., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Combination card container and tray. 1,678,671; July 31.
- Duffield, Frederick L., Brassington, England. Gas producer. 1,692,724; Nov. 20.
- Duffield, George B., assignor to Detroit Lubricator Company, Detroit, Mich. Expandible collapsible element. 1,661,131; Feb. 28.
- Duffield, Thomas L., Orient, Wash. Road scraper. 1,695,635; Dec. 18.
- Duffy, Charles H., Washington, D. C. Circuit closer for anemometers. 1,674,545; June 19.
- Duffy, Charles H. and E. H., Miami, Fla. Golf practicing device. 1,683,875; Sept. 11.
- Duffy, Eugene H. (See Duffy, Charles H. and E. H.)
- Duffy, James A., Fairmont, W. Va. Car chair. 1,676,010; July 3.
- Duffy, James F., assignor to Duffy Manufacturing Company, Holland, Mich. Toe-board plate. 1,663,586; Mar. 27.
- Duffy Manufacturing Company. (See Duffy, James F., assignor.)
- Duffy, Paul, San Francisco, Calif. Electric incandescent lamp. 1,655,761; Jan. 10.
- Dufour, Joseph, Guatemala City, Guatemala. Defibrating machine. 1,677,076; July 10.
- Dufour, Léon, Versoix, Switzerland. Multiple diffusing nozzle. 1,681,176; Aug. 21.
- Dugan, James J., Wilmington, Del. Making compound stock. 1,680,369; Aug. 14.
- Duganne, Charles G., Washington, D. C. Golf tee. 1,671,680; May 29.
- Dugdill, John, Hazel Grove, near Stockport, England. Movable support for electric light, gas, and other purposes. 1,678,422; July 24.
- Dugger, Charles M. (See Dugger, Oscar L. and C. M.)
- Dugger, Oscar L. and C. M., assignors to Rotary Valve Company, Evansville, Ind. Rotary valve for explosive engines. 1,687,473; Oct. 9.
- Duhnkrack, George H. (See Toomey, J. F., and Duhnkrack.)
- Duhel, Ferdinand, Denver, Colo. Dustpan. 1,678,284; July 24.
- Duisberg, Walter, Leverkusen, near Cologne, W. Hentrich, and L. Zeh, Wiesdorf, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Azo dyestuff. 1,690,774; Nov. 6.
- Duisenberg, Charles E., San Francisco, Calif. Flash-light switch guard. 1,688,006; Oct. 16.
- Duisenberg, Walter, Los Gatos, and J. H. Macartney, San Francisco, Calif. Combined mill, conveyor, drier, and classifier. 1,678,002; July 24.
- Duke, Albert W., H. Allsop, and A. Medford, Grace, Idaho. Ventilating can lid. 1,660,601; Feb. 28.
- Duke, Charles A., New York, N. Y. Seat. 1,662,378; Mar. 13.
- Duke, E. Woodward, et al. (See de Tartas, Augustus R., assignor.)
- Dukesmith, Frank H., Meadville, Pa., assignor, by mesne assignments, to F. C. Borst and F. R. Stewart. Air-brake system. 1,695,245; Dec. 11.
- Dulac, Auguste, Agen, France. Impermeable coating for oil receptacles. 1,659,863; Feb. 21.
- Du Lac, Edmund. (See Barton, A. W., and Du Lac, and Ferguson.)
- Dulaney, Robert N., Blountville, Tenn. Selective-gear-shifting mechanism. 1,679,353; Aug. 7.
- Dulaney, George W., jr. (See Page, C. B., and Burton, assignors.)
- Dulco Manufacturing Company. (See Dultmeier, Frank J., assignor.)
- Dulczewski, John S., Amsterdam, N. Y. Clothesline pulley. 1,654,682; Jan. 3.
- Dull, Fred C., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Carriage stop mechanism for lathes. 1,686,743; Oct. 9.
- Dulligan, Lawrence F., Griffin, Ga. Treating terry cloth or pile fabrics. 1,672,712; June 5.
- Dultgen, Arthur, New York, and A. Weiss, Brooklyn, N. Y. Machine for obtaining the register of the etchings for multicolor intaglio printing cylinders. 1,692,636; Nov. 20.
- Dultmeier, Frank J., Des Moines, Iowa. Clothes-washer structure. 1,675,169; June 26.
- Dultmeier, Frank J., Des Moines, Iowa, assignor to Dulco Manufacturing Company. Tub stand. 1,685,988; Oct. 2.
- Duluth Show Case Company. (See Ostram, R. A., and Frykdahl, assignors.)
- Dumais, Cleophas, Limoulu, Quebec, Canada. Ski attachment. 1,665,537; Apr. 10.
- Dumas Engineering Company. (See Dumas, Maxwell G., assignor.)
- Dumas, Maxwell G., Pittsburgh, Pa., assignor to Dumas Engineering Company, Youngstown, Ohio. Hot top for ingot molds. 1,692,491; Nov. 20.
- Dumbleton, Claude. (See Baker, G. R., and Dumbleton.)
- Dumke, August, Mitchell, S. Dak. Direction indicator. 1,671,018; May 22.
- Dumm, Walter C., Portland, Ore. Three-way rigging plate. 1,655,536; Jan. 10.
- Du Moulin, Eleanor G., New York, N. Y. Foot rest. 1,694,095; Dec. 4.
- Dunand, Ernest L., London, England. Lamp shade. 1,672,485; June 5.
- Dunand, Ernest L., London, England. Screen for telephones or the like. 1,693,709; Dec. 4.
- Dunaway, Norman S., Houston, Tex. Dumping truck. 1,680,734; Aug. 14.
- Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Manufacturing rubber articles. 1,663,587; Mar. 27.
- Dunbar, Ernest W., Hudson, and E. J. Dempsey, West Medford, assignors to Cambridge Rubber Company, Cambridge, Mass. Machine for making straps. 1,677,231; July 17.
- Dunbar, Francis F. (See Holcombe, J. R., and Dunbar.)
- Dunbar, Frank H. (See Allen, Frank B., assignor.)

- Dunbar, Frank H. (See Striegel, Leslie E., assignor.)
Dunbar, Frank H., Cleveland, Ohio. Ash hopper. 1,661,750; Mar. 6.
Dunbar, Harold F., Turners Falls, Mass. Variable-speed control for paper-making machines. 1,694,704; Dec. 11.
Dunbar, Harris T., Buffalo, N. Y. Drag clam. 1,671,233; May 29.
Dunbar, James V., Elgin, Tex. Rim tool. 1,656,104; Jan. 10.
Dunbar, Noel S., New York, N. Y., assignor, by mesne assignments, to Splitdorf Radio Corporation, Newark, N. J. Radiocabinet. Des. 74,969; Apr. 24.
Dunbar, Noel S., New York, N. Y., assignor, by mesne assignments, to Splitdorf Radio Corporation, Newark, N. J. Radiocabinet. Des. 74,970; Apr. 24.
Dunbar, Noel S., New York, N. Y., assignor, by mesne assignments, to Splitdorf Radio Corporation, Newark, N. J. Radiocabinet. Des. 74,971; Apr. 24.
Dunbar, Noel S., New York, N. Y., assignor, by mesne assignments, to Splitdorf Radio Corporation, Newark, N. J. Radiocabinet. Des. 75,227; May 22.
Dunbar, Robertson, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Speaking panel. 1,656,910; Jan. 24.
Dunbar, Sarah, Lawton, W. Va. Stocking protector. 1,680,137; Aug. 7.
Dunbar, Thomas L., Watertown, assignor to Chemipulp Process, Incorporated, Jefferson County, N. Y. Process and apparatus for treating fibrous materials for pulping purposes. 1,669,234; May 8.
Dunbar, Thomas L., assignor, by mesne assignments, to Chemipulp Process, Inc., Watertown, N. Y. Method and apparatus for continuous cooking of fibrous material. 1,679,336; July 31.
Dunbaugh, George J., Jr., assignor to Champion Manufacturing Company, Chicago, Ill. Liquid-level indicator. 1,663,041; Mar. 20.
Dunbaugh, George J., Jr., assignor to Champion Manufacturing Company, Chicago, Ill. Liquid-level-indicating means. 1,676,554; July 10.
Dunbeck, Joseph R., Rochester, assignor to The Symington Company, New York, N. Y. Mold-jarring device. 1,684,174; Sept. 11.
Duncan, Arthur. (See Jackson, Nelson, assignor.)
Duncan, Arthur L., Piedmont, Calif. Method and apparatus for trimming fruit. 1,679,817; Aug. 7.
Duncan, Charles R., Detroit, Mich. Automobile accessory. 1,694,060; Dec. 4.
Duncan Electric Manufacturing Company. (See Emens, Albert L., assignor.)
Duncan Electric Manufacturing Company. (See Harris, Jesse, assignor.)
Duncan Electric Manufacturing Company. (See Scott, Frank, assignor.)
Duncan, Hartvig H. A., Garden City, N. Y. Ticket holder. 1,666,006; Apr. 10.
Duncan, Hugh M. (See Parsons, C. A., and Duncan.)
Duncan, James E., De Kalb, Ill. Mail-box support. 1,696,530; Dec. 25.
Duncan, James K., Almonte, Ontario, Canada. Control means for switches. 1,674,892; June 26.
Duncan, Jessie H., Crockett, Tex. Auto signal device. 1,673,143; June 12.
Duncan, John A., assignor to Mercury Mills, Limited, Hamilton, Ontario, Canada. Garment. 1,696,671; Dec. 25.
Duncan, Joseph S., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing machine. 1,681,525; Aug. 21.
Duncan, Joseph S., and H. E. Hubbard, assignors, by mesne assignments, to Addressograph Company, Chicago, Ill. Hand addressing machine. 1,665,583; Apr. 10.
Duncan, Joseph S., and H. E. Hubbard, assignors, by mesne assignments, to Addressograph Company, Chicago, Ill. Ribbon spool. 1,679,713; Aug. 7.
Duncan Lithographing Company, The. (See Close, Francis R., assignor.)
Duncan, Merritt E., Atlanta, Ga. Automatic pen-setting attachment. 1,695,457; Dec. 18.
Duncan, Robert D., Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired-radio broadcasting system. 1,669,189; May 8.
Duncan, Robert D., Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Wired radio on power lines. 1,688,692; Oct. 23.
Duncan, Robert D., Jr., East Orange, N. J., S. Isler, New Brighton, and S. A. Barone, Winfield, assignors to Wired Radio, Inc., New York, N. Y. Phase indicator. 1,669,159; May 8.
Duncan, Thomas R., Richmond, Calif. Combined weighing and dumping body for motor trucks. 1,685,694; Sept. 25.
Duncan, Thomas S., assignor to Vickers Limited, Westminster, London, England. Valve and cock. 1,687,646; Oct. 16.
Duncan, William M., Alton, Ill. Distilling hydrocarbons. 1,654,797; Jan. 3.
Duncan, William M., Alton, Ill. Chain grate. 1,656,179; Jan. 17.
Duncan, William M., Alton, Ill. Furnace. 1,657,113; Jan. 24.
Duncan, William M., Alton, Ill. Mechanical stoker. 1,659,563; Feb. 21.
Duncan, William M., Alton, Ill. Method of and apparatus for disposing of refuse and garbage. 1,659,564; Feb. 21.
Duncan, William M., Alton, Ill. Disintegrator. 1,683,244; Sept. 4.
Duncan, William M., Alton, Ill. Adjustable hammer for disintegrators and the like. 1,686,128; Oct. 2.
Duncan, William M., Alton, Ill. Furnace arch. 1,694,534; Dec. 11.
Dunford & Elliott (Sheffield) Limited. (See Pehrson, Adam H., assignor.)
Dungey, John W., and A. E. Drown, London, England. Telephone receiver. 1,670,193; May 15.
Dunham, Bert G., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,696,267; Dec. 25.
Dunham, C. A., Company. (See Crosthwait, David N., Jr., assignor.)
Dunham, C. A., Company. (See Dunham, Clayton A., assignor.)
Dunham, Clayton A., Glencoe, assignor to Young Pump Company, Chicago, Ill. Multiple-jet exhaustor. 1,657,665; Jan. 31.
Dunham, Clayton A., Glencoe, Ill., assignor to C. A. Dunham Company, Marshalltown, Iowa. Pumping mechanism. 1,672,309; June 5.
Dunham, Clayton A., Glencoe, Ill., assignor, by mesne assignments, to C. A. Dunham Company, Marshalltown, Iowa. Temperature indicator. 1,693,225; Nov. 27.
Dunham Company, The. (See Dunham, Ray E., assignor.)
Dunham Company, The. (See Guy, Hiram D., assignor.)
Dunham, George W., New Haven, Conn., assignor to Whirldry Corporation, Utica, N. Y. Automatic clutch arrangement for laundry machines. 1,694,810; Dec. 11.
Dunham, George W., assignor to Savage Arms Corporation, Utica, N. Y. Clutch. 1,678,638; July 31.
Dunham, Henry V., Bainbridge, N. Y. Coated book cloth and composition therefor. 1,671,856; May 29.
Dunham, Henry V., Bainbridge, N. Y., assignor to Van Tassel Company, Boston, Mass. Waterproofing leather. 1,677,435; July 17.
Dunham, John R., Highland Park, assignor to John Waldron Corporation, New Brunswick, N. J. Flexible coupling. 1,692,978; Nov. 27.
Dunham, Lawrence W. (See Clapp, G. W., Tench, and Dunham.)
Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Tillage implement. 1,682,896; Sept. 4.
Dunham, Rex J., Oshkosh, Wis. Combination spare-tire carrier and rim tool. 1,696,295; Dec. 25.
Dunham, Robert A., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Treatment of spent clays. 1,694,971; Dec. 11.
Dunhill, Alfred, London, England. Apparatus for obtaining kaleidoscopic lighting effects. 1,685,912; Oct. 2.
Dunhill, Alfred of London, Inc. (See Wise, F. C., and Greenwood, assignors.)
Dunkel, Richard, Gut Hartelangenvorwerk, and A. Wilde, Loewenberg, Germany. Machine for roping straw or other vegetables. 1,669,657; May 15.
Dunkelberg, Karl, Gelsenkirchen, Germany. Apparatus for cooling water. 1,662,602; Mar. 13.
Dunkelberg, Ralph C., Fort Wayne, Ind. Apparatus for filtering and softening water. 1,676,891; July 10.
Dunkelberger, Harry E., and N. Wittiers, Weirton, W. Va. Furnace-slugging apparatus. 1,669,696; May 15.
Dunkelsberg, Louis, Brooklyn, N. Y. Spectacle temple. Des. 76,739; Oct. 30.
Dunker, Vincent J., Ste. Genevieve, Mo. Photographic printer. 1,693,891; Dec. 4.
Dunklau, Casper T., Los Angeles, Calif. Musical-instrument stand. 1,684,912; Sept. 18.
Dunkley, Jennie M., administratrix. (See Dunkley, Samuel J.)
Dunkley, Samuel J., deceased; J. M. Dunkley, administratrix, Oakland, Calif., assignor, by mesne assignments, to Sprague Sells Corporation, Chicago, Ill. Peeling fruits and vegetables. 1,655,690; Jan. 10.
Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Machine for making paper cones. 1,689,427; Oct. 30.
Dunlap, Frederick L., assignor to Industrial Appliance Company, Chicago, Ill. Flour-treating process. 1,661,250; Mar. 6.
Dunlap, Fred L., Jefferson City, Mo. Selectively-operated punching machine. 1,686,269; Oct. 2.
Dunlap, John W., Maquoketa, Iowa. Metallic fence post. 1,661,528; Mar. 6.
Dunlap, Matthew E., Madison, Wis., assignor to the Government and the People of the United States of America. Moisture-indicating instrument for wood. 1,690,672; Nov. 6.
Dunlap, Roy O., Oak Park, assignor to Electric Holding Corporation, Chicago, Ill. Dog-racing track. 1,660,034; Feb. 21.
Dunleavy, John J. (See Daugert, P., Frey, and Dunleavy.)
Dunlop Rubber Company. (See Mortier, Georges A., assignor.)
Dunlop Rubber Company, The. (See Penfold, Albert E., assignor.)
Dunlop Rubber Company, The. (See Penfold, A. E. Truesdale, and Smith, assignors.)

- Dunlop Rubber Company Limited, The. (See Macbeth, Colin, assignor.)
- Dunlop Tire and Rubber Corporation of America. (See Norcross, Thomas, assignor.)
- Dunlop Tire and Rubber Corporation of America. (See Willshaw, Harry, assignor.)
- Dunlop, William F., New York, N. Y. Arch support. 1,694,315; Dec. 4.
- Dunmire, Russell F., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,669,190; May 8.
- Dunmore, William M., Claremont, N. H. Door opening and closing device. 1,658,119; Feb. 7.
- Dunn, Albert H. (See Lyons, C. K., and Dunn.)
- Dunn, Albert M. (See Lieberman, L. B., and Dunn.)
- Dunn, Edward L. (See Daly, W. A., and Dunn.)
- Dunn, Edward L. (See Lindquist, D. L., Dunn, and Larson.)
- Dunn, Edward L., East Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Leveling device for elevators. 1,678,423; July 24.
- Dunn, Frank B., Conneaut, Ohio. Brick-cutting machine. 1,674,197; June 19.
- Dunn, Frank L., Omaha, Nebr. Measuring device. 1,692,637; Nov. 20.
- Dunn, Fredrick P., Los Angeles, Calif. Braking device. 1,664,287; Mar. 27.
- Dunn, George H., Oak Park, Ill., assignor, by mesne assignments, to The Sweets Company of America, Inc. Display rack. 1,673,812; June 19.
- Dunn, Harry E., Holland, Mich. Cement-block rammer. 1,661,414; Mar. 6.
- Dunn, Hugh, Falkirk, Scotland. Machine for finishing book covers by lining, lettering, or ornamenting. 1,676,892; July 10.
- Dunn, John S., Philadelphia, Pa. Pouring ladle. 1,689,196; Oct. 30.
- Dunn, Lawrence A., Garden Valley, Calif. Cigarette holder. 1,657,919; Jan. 31.
- Dunn Manufacturing Co. (See Dunn, William H., assignor.)
- Dunn Manufacturing Company. (See Grant, John, assignor.)
- Dunn Manufacturing Company. (See Harder, Frank, assignor.)
- Dunn Manufacturing Company. (See Rick, Edward L., assignor.)
- Dunn, Walter F., Charlton, assignor of three-fourths to T. Elias, Westminster, London, England. Production or conversion of sound by or into electric currents. 1,656,781; Jan. 17.
- Dunn, William G., Clarinda, Iowa. Awning structure. 1,662,261; Mar. 13.
- Dunn, William G., Clarinda, Iowa. Awning bracket. 1,678,561; July 24.
- Dunn, William H., assignor to Dunn Manufacturing Co., Chicago, Ill. Cleansing machine. 1,665,809; Apr. 10.
- Dunn, William H., assignor to Dunn Manufacturing Co., Chicago, Ill. Cleansing machine. 1,678,037; July 24.
- Dunn, William N., Medford, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Electric switch. 1,684,016; Sept. 11.
- Dunnagan, Albert L., Dallas, Tex. Dusting machine. 1,674,391; June 19.
- Dunne, Maurice J., West Orange, N. J. Terminal. 1,662,822; Mar. 20.
- Dünnebie, Max. (See Winkler, A., and Dünnebie.)
- Dunning, David M., jr., Auburn, N. Y. Metallic weather strip. 1,668,006; May 1.
- Dunning, Fitzgerald, and E. E. Reid, assignors to Hynson, Westcott & Dunning, Baltimore, Md. Production of primary stibinic acids. 1,682,269; Aug. 28.
- Dunning, William E., and J. Bachofen, assignors to The McCaskey Register Company, Alliance, Ohio. Filing-appliance case. 1,672,022; June 5.
- Dunnuck, Lydia A. (See Peabody, R. S., and Dunnuck.)
- Dunsmore, Alexander F., Glasgow, Scotland. Hydro-extractor or centrifugal machine. 1,678,938; July 31.
- Dunston, Wayne E., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Automobile bumper. 1,686,685; Oct. 9.
- Dunton, Harris D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,677,713; Oct. 23.
- Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 1,680,038; Aug. 7.
- Duophone and Unbreakable Record Company, The. (See Pemberton-Billing, Noel, assignor.)
- Duparquet, Huot & Moneuse Co. (See Fuller, Louis J., assignor.)
- Dupen, James R., Chico, Calif. Weather stop. 1,688,577; July 17.
- Dupiech, Henry A., St. Louis, Mo. Bottle. Des. 75,903; July 31.
- Duplex Art Sign Company. (See Dickinson, Hal, assignor.)
- Duplex Electric Company. (See Williams, John P., assignor.)
- Duplex Gas Turbine Company, The. (See Hawthorn, James M., assignor.)
- Duplex Motion Picture Industries, Inc. (See Badgley, Gerald J., assignor.)
- Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
- Dupont, Andrew T., Washington, D. C. Pneumatic tool. 1,692,889; Nov. 27.
- Du Pont, E. I., de Nemours & Company. (See Allen, E. R., and Kaufmann, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Armstrong, Edward R., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Baker, T., and Peters, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Baldsiefen, W. D., and Rogers, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Bergeim, Frank H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Bishop, O. M., and Thompson, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Booge, J. E., and Koller, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Booge, J. E., Hanahan, and Koller, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Bradner, Donald B., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Bridgwater, Ernest R., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Burke, C. E., and Hopkins, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Parmelee, and Lorrman, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Daudt, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Clewell, John H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Coolidge, C., and Eastlack, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Davis, Clark W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Davis, C. W., and Taylor, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Dinwiddie, Joseph G., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Douglass, William A., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Johnson, N. G., and Baker, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Jordan, Henry, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Kern, Jean, assignor.)
- Du Pont, E. I., de Nemours & Company. (See Kramer, Richard L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Lawrie, James W., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Marshall, J., and Bergeim, assignors.)
- Du Pont, E. I., de Nemours & Company. (See McBurney, J. D., and Nollan, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Middleton, Edmund B., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Monroe, Kenneth P., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Monroe, K. P., and Williams, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Parmelee, Alfred E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Peters, William A., jr., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Powers, Donald H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Reid, E. E., and Burke, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Rose, Robert E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Seitz, Julius E., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Sherts, James H., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Stine, Charles M., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Stine, C. M. A., and Coolidge, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Tanberg, A. P., and Kramer, assignors.)
- Du Pont, E. I., de Nemours & Company. (See Taylor, Hugh S., assignor.)
- Du Pont, Eleuthere P., Montchanin, Del. Braking mechanism for automobiles. 1,681,224; Aug. 21.
- Du Pont, Eleuthere P., Montchanin, assignor to Du Pont Motors, Incorporated, Wilmington, Del. Automobile body. Des. 75,359; May 29.
- Du Pont, Francis I., assignor to Delaware Chemical Engineering Company, Wilmington, Del. Steam generator. 1,660,437; Feb. 28.
- Dupont, George. (See Cadgene, E., and Dupont.)
- Dupont, Georges H., Gironde, France. Apparatus for distilling crude resins. 1,659,727; Feb. 21.
- Du Pont Motors, Incorporated. (See du Pont, Eleuthere P., assignor.)
- Du Pont-Pathe Film Manufacturing Corporation. (See Renwick, Frank E., assignor.)
- Du Pont-Pathe Film Manufacturing Corporation. (See Landucel, Alfred, assignor.)
- Du Pont-Pathe Film Manufacturing Corporation. (See Zelger, Georges E., assignor.)

- Du Pont Rayon Company. (See Gladding, Ernest K., assignor.)
- Du Pont Rayon Company. (See Gladding, E. K., and Sharpe, assignors.)
- Du Pont Rayon Company. (See Kraft, F. G., and Guenther, assignors.)
- Du Pont Viscoloid Company. (See Donaldson, Alfred S., assignor.)
- Du Pont Viscoloid Company. (See Monroe, Karl W., assignor.)
- Du Pont Viscoloid Company. (See Person, Earl R., assignor.)
- Du Pont Viscoloid Company. (See Stacey, Charles E., assignor.)
- Du Prel, Dr., Elektromedizinsche Apparate G. m. b. H. (See Du Prel, Gerhard F., assignor.)
- Du Prel, Gerhard F., assignor to Dr. du Prel Elektromedizinsche Apparate G. m. b. H., Munich, Germany. High-frequency circuits. 1,675,882; July 3.
- Du Priest, Guy, assignor to J. Nolen, Austin, Tex. Advertising sign. Des. 76,498; Oct. 2.
- Duquaine, William, and H. M. Peterson, Marinette, Wis. Electric flytrap. 1,656,698; Jan. 17.
- Duquenne, Camille, Paris, France. Furnace arch. 1,683,963; Sept. 11.
- Duquenne, Camille, Paris, France. Pulverulent-fuel furnace. 1,693,597; Dec. 4.
- Duquesne Steel Foundry Company. (See Troutman, William E., assignor.)
- Duquette, E. F. (See Lewis, Morgan J., assignor.)
- Duquette, Isidore L., W. J. Plasse, and C. A. Merrill, Webster, Mass. Lamp-focus-securing device. 1,685,805; Oct. 2.
- Dura Company, The. (See Carroll, W. W., and Nicholson, assignors.)
- Dura Company, The. (See Cook, Everett J., assignor.)
- Dura Company, The. (See Costello, William F., assignor.)
- Dura Company, The. (See Graff, George, assignor.)
- Dura Company, The. (See Hanson, Miles G., assignor.)
- Dura Company, The. (See Haskins, Howard B., assignor.)
- Dura Company, The. (See Jackson, Shuman R., assignor.)
- Dura Company, The. (See Nicholson, Stanley W., assignor.)
- Dura Company, The. (See Wilson, Herbert, assignor.)
- Durabilit Steel Locker Co. (See Kaser, Everett D., assignor.)
- Durable Floor Corporation. (See Boekow, F. E., and Listing, assignors.)
- Durable Knitting Mills. (See Cohen, Isidor.)
- Duraloy Company, The. (See Mills, Charles P., assignor.)
- Durand, Antoine M., New Haven, Conn. Package for pile fabrics and the like. 1,677,515; July 17.
- Durand, David H., Denver, Colo. Traffic button or signal. 1,685,449; Sept. 25.
- "Durand & Huguenin S. A." (See Bauer, Wilhelm, assignor.)
- Durand & Huguenin S. A. (See Voltz, Théodore, assignor.)
- Durand, Jules, Elkdale, Manitoba, Canada. Self-locking snare for wolves. 1,671,414; May 29.
- Durand, Moise H., assignor to C. D. Blaikie, doing business as Smith, Richardson Co., Attleboro, Mass. Woven-wire fabric. Des. 76,609; Oct. 16.
- Durand Steel Locker Company. (See Vance, Walter N., assignor.)
- Durant, John G., jr., Huntington, W. Va. Rail tie. 1,664,288; Mar. 27.
- Durant Motor Co. (See Harder, D. S., and Vrooman, assignors.)
- Duratex Corporation. (See Allen, Ralph S., assignor.)
- Duratex Corporation. (See Stoddard, William O., jr., assignor.)
- Duratex Corporation. (See Wilson, John A., assignor.)
- Durbin, William O., Kenmore, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. High-pressure heating. 1,654,967; Jan. 3.
- Durbin, William R., Kansas City, Mo. Roof and shingle therefor. 1,672,713; June 5.
- Durbin, Augustus C., jr., Chicago, Ill. Fluid-displacing apparatus. 1,664,249; Mar. 27.
- Durbin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Duplex pumping apparatus. 1,666,875; Apr. 17.
- Dure, Henry F. (See Delbridge, T. G., and Dure.)
- Durepo, Joseph E., Presque Isle, Me. Potato hiller. 1,684,017; Sept. 11.
- Duresen, Andrew, Minneapolis, Minn. Motor vehicle. 1,689,582; Oct. 30.
- Durfee, C. H., Products Corporation. (See Grosvenor, William M., assignor.)
- Durfee, Joseph A., Steubenville, Ohio. Method of and apparatus for casting ingots. 1,678,976; July 31.
- Durgin, Leon A., Danvers, Mass. Measuring and recording machine. 1,678,181; July 24.
- Durham Duplex Razor Company. (See Alvarado, Fernando A., assignor.)
- Durham, Joseph, Rozelle, near Sydney, New South Wales, Australia. Resilient mounting for the stylus holder of talking machines. 1,695,418; Dec. 18.
- Durham, Joseph E., jr., and D. Hume, assignors to Bonney Forge & Tool Works, Allentown, Pa. Wrench-handle attachment. 1,683,384; Sept. 4.
- Durham, Lucian C., Tampa, Fla. Cigar humidifier. 1,688,892; May 8.
- During, William J., Syracuse, assignor to Precision Castings Company Incorporated, Fayetteville, N. Y. Die-casting machine. 1,663,072; Mar. 20.
- Durka, Joseph, Toledo, Ohio. Automobile safety device. 1,660,154; Feb. 21.
- Durkee, Adelbert A. (See Grover, L. V., Sarra, and Durkee.)
- Durkee, Alfred C., Philadelphia, Pa., assignor to F. Burkart Manufacturing Company, St. Louis, Mo. Tufts, material therefor, and manufacture. 1,657,744; Jan. 31.
- Durkee-Atwood Company. (See Nielsen, Lauritz F., assignor.)
- Durkee, Emma W., et al., administrators. (See Alexander, Charles A.)
- Durkee, Eugene W. (See Alexanderson, Charles A., assignor.)
- Durkee, Frederick M. (See Benson, E., and Durkee.)
- Durkee, Frederick M., Brookline, Mass. Cutting machine for grass and the like. 1,656,105; Jan. 10.
- Durkee, James W., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Relieving attachment. 1,664,741; Apr. 3.
- Durkin, William H. (See Kemper, A. H., and Durkin.)
- Duro Rocher, John H., Rochester, N. Y. Knee pad. 1,690,405; Nov. 6.
- Duro Company, The. (See Eisenhauer, Charles P., assignor.)
- Duro Company, The. (See Floraday, B. S., and Haskins, assignors.)
- Duro Company, The. (See Toulmin, Harry A., jr., assignor.)
- Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)
- Dürr, Karl, Pforzheim, Germany. Automatic manufacturing of bead chains. 1,693,558; Nov. 27.
- Dürr, Ludwig, assignor to Luftschiffbau Zeppelin Gesellschaft, Mit Beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Gas-inflated airship. 1,673,497; June 12.
- Durrant, George, Gorton, England. Apparatus for straightening welt in fabrics. 1,690,334; Nov. 6.
- Durrant, William, Plainfield, N. J. Plate-locking mechanism for printing presses. 1,674,426; June 19.
- Durst, Claude B. (See Sterk, W. B., and Hansen.)
- Durst, Ray O., Richmond, Ind. Air-brake-release valve. 1,665,913; Apr. 10.
- Durupt, Jean B., Jeuxey, by Epinal, assignor to Societe Pellaulmail-Moutel & Cie., Cholet, France. Machine for drawing out the yarn from textile fabrics for the production of openwork. 1,666,812; Apr. 17.
- Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
- Duryea, Otho C., Knoxville, Tenn. Display sign. 1,668,636; May 8.
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,693,193; Nov. 27.
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,693,194; Nov. 27.
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,693,195; Nov. 27.
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 1,693,196; Nov. 27.
- Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Brake mechanism for railway cars. 1,693,197; Nov. 27.
- Duryea, Paul G., Trenton, N. J., assignor to Woodward-Wanger Company, Philadelphia, Pa. Bathroom fixture. Des. 77,228; Dec. 18.
- Dusa, Olive V., Gladstone, Oreg. Screen-door attachment. 1,694,168; Dec. 4.
- Dusold, Hulda, Milwaukee, Wis. Curtain fastener. 1,687,284; Oct. 9.
- Duspiva, Václav, Prague, Czechoslovakia. Horizontal-card system. 1,683,765; Sept. 11.
- Dusseau, Maurice G., Allston, Mass. Wheel assembly. 1,695,579; Dec. 18.
- Duston and Clark Engineering Company, The. (See Clark, Don A., assignor.)
- Dutcher, Charles H., Jersey City, N. J., assignor to Kieley & Mueller, Inc., New York, N. Y. Damper regulator. 1,671,892; May 29.
- Dutcher, Frank, Versailles, Pa., assignor to Standard Railway Fusee Corporation, Boston, Mass. Railway signal torpedo. 1,673,739; June 12.
- Dutcher, Pierpont E., Upper Montclair, N. J. Eyeshield. 1,669,043; May 8.
- Dutel, Emile, St.-Laurent du Var., and J. M. Perdoncini, Nizza, France. Two-stroke internal-combustion engine. 1,663,829; Mar. 27.
- Duthie, William E., Indianapolis, Ind. Valve grinder. 1,676,483; July 10.
- Duthie, William E., Indianapolis, Ind. Valve grinder and mechanical movement. 1,683,876; Sept. 11.
- Dutkiewicz, Valentin, Paris, France. Clip for transmission cables with crosssties. 1,656,578; Jan. 17.
- Dutro, Clyde A., Bow, assignor of one-half to H. T. Morton, Bellingham, Wash. Hoisting jack. 1,661,791; Mar. 6.
- Dutton, Charles S., Oakland, Calif. Automatic time-printing device. 1,680,326; Aug. 14.

- Dützmann, Wilhelm, Neustadt-on-the-Haardt, Germany. Press for treating boards of alkali cellulose and the like. 1,690,894; Nov. 6.
- Dützmann, Wilhelm, Neustadt, Germany. Press for treating boards of alkaline cellulose and the like. 1,696,474; Dec. 25.
- Duval, Charles F. (See Symmes, W., Harman, and Duval.)
- Duval, Estelle E., New York, N. Y. Stereoscopic device. 1,655,989; Jan. 10.
- Duval, James, Camas, Wash., assignor to Crown Willamette Paper Company, San Francisco, Calif. Machine for forming bag bottoms in bag tubes. 1,690,626; Nov. 6.
- Duvoisin, Georges, and O. Thiry, Paris, France. Machine for wrapping annular and similar solid articles. 1,660,602; Feb. 28.
- Du-Wel Steel Products Co. (See Wescott, Jay V., assignor.)
- Duwoos, Paul A. C., Rouen, France. Typographical printing machine. 1,691,383; Nov. 13.
- Dux, Frank J., Utica, N. Y. Armhole bead for garments. 1,663,042; Mar. 20.
- Dvinský, Abraham, Brockton, Mass. Making welting or the like. 1,656,348; Jan. 17.
- Dvinský, Abraham, Brockton, Mass. Pinking machine. 1,682,606; Aug. 28.
- Dvorak, Anton, Shadyside, Ohio. Safety pin. 1,664,198; Mar. 27.
- Dvorine, Israel, Baltimore, Md. Optometrical instrument. 1,675,407; July 3.
- Dwiggins, John W., assignor to The Parrish-Alford Fence and Machine Company, Knightstown, Ind. Wire-fence machine. 1,662,962; Mar. 20.
- Dwiggins Wire Fence Company. (See Swank, Lafe, assignor.)
- Dwight, Elizabeth, Brookline, Mass. Educational device. 1,664,390; Mar. 27.
- Dwight & Lloyd Metallurgical Company. (See Hyde, Reed W., assignor.)
- Dwight & Lloyd Sintering Company. (See Hyde, Reed W., assignor.)
- Dworack, Charles W., Dayton, Ohio. Tail skid for airplanes. 1,693,503; Nov. 27.
- Dworkin, Samuel, Philadelphia, Pa. Electric iron. 1,691,434; Nov. 13.
- Dworkis, Hyman, Chicago, Ill. Cedar chest. Des. 77,310; Dec. 25.
- Dworkis, Hyman, Chicago, Ill. Cedar chest. Des. 77,311; Dec. 25.
- Dworkis, Hyman, Chicago, Ill. Cedar chest. Des. 77,312; Dec. 25.
- Dwyer, Carl A., and W. A. Wheeler, Oakland, Calif. Building block. 1,686,270; Oct. 2.
- Dwyer, Edward C., Clymer, and W. O. Dwyer, Berlin, Pa. Electrical heating attachment. 1,665,950; Apr. 10.
- Dwyer, Elmer F., Lynn, Mass. Spot-welding machine. 1,673,500; June 12.
- Dwyer, James, Cleghorn, Iowa. Hame tug. 1,688,072; Oct. 16.
- Dwyer, James P. (See McCormick, F. H., and Dwyer.)
- Dwyer, Leo T., Indianapolis, Ind. Undergarment. 1,660,222; Feb. 21.
- Dwyer, Mathew L., Elgin, Nebr. Four-horse mowing machine. 1,668,108; May 1.
- Dwyer, Robert E., Concord, N. H. Indian club. 1,676,689; July 10.
- Dwyer, William C., Auburn, N. Y., assignor to International Harvester Company, Chicago, Ill. Combined disk and toothed harrow. 1,685,278; Sept. 25.
- Dwyer, William O. (See Dwyer, Edward C. and W. O.)
- Dwyer, William S., Devon, Conn. Flexible coupling for rotary member. 1,659,353; Feb. 14.
- Dyas, Robert L. (See Maickel, J., and Dyas.)
- Dybens, John G., Los Angeles, Calif., assignor, by mesne assignments, to H. D. Eberle. Check-valve unit for hydraulic jacks. Re16,900; Mar. 13.
- Dybens, John G., assignor to H. D. Eberle, Los Angeles, Calif. Hydraulic jack. 1,656,430; Jan. 17.
- Dyche-Teague, Francis C., London, England. Rubber composition. 1,670,599; May 22.
- Dyckerhoff, Edward. (See Schmidt, Ernst, assignor.)
- Dyde, Gerald B., Portland, Oreg. Waterproofing paste. 1,684,086; Sept. 11.
- Dye, Boyde H., Tipton, Calif. Antifouling device. 1,659,521; Feb. 14.
- Dye, Clayton D., Denver, Colo. Furniture fender. 1,679,117; July 31.
- Dye, Glen M., Minneapolis, Minn. Print-flattening device. 1,691,023; Nov. 6.
- Dye, James T., assignor, by mesne assignments, to E. C. Taylor Mfg. Corporation, New York, N. Y. Motor traffic signal. 1,660,746; Feb. 28.
- Dyer, B. H. (See Sterling, F. W., and Crooker, assignors.)
- Dyer, Brainerd, Hudson, Ohio. Table or article of similar nature. Des. 74,173; Jan. 3.
- Dyer, Brainerd, Hudson, assignor to Vitreous Steel Products Company, Cleveland, Ohio. Table top or article of similar nature. Des. 76,858; Nov. 13.
- Dyer, Frank P., St. Louis, Mo. Trestle. 1,662,700; Mar. 13.
- Dyer, Frederick C., Toronto, Ontario, Canada. Porous medium and making the same. 1,660,156; Feb. 21.
- Dyer, Harry E. (See Franko, Stephen D., assignor.)
- Dyer, Harry W., New York, N. Y. Refrigerating system. 1,658,187; Feb. 7.
- Dyer, Reamey H., Roanoke, Va. Waste retainer. 1,675,751; July 3.
- Dyer, Reamey H., Roanoke, Va. Journal-box waste retainer. 1,692,334; Nov. 20.
- Dyer, Reamey H., Roanoke, Va. Waste retainer. 1,692,335; Nov. 20.
- Dyer, William A. (See Lack, John, assignor.)
- Dyhrberg, Lauritz N., Ashburton, New Zealand. Brick delivering and stacking means. 1,694,586; Dec. 11.
- Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Bed davenport. 1,675,883; July 3.
- Dyke, John A., Cedarville, Calif. Header attachment for side-delivery hay loaders. 1,680,597; Aug. 14.
- Dykeman, John A., Boston Mass. Book. 1,678,673; July 31.
- Dykes, Bryant D., Hackensack, N. J. Vehicle checking device. 1,667,725; May 1.
- Dykes, John L. G., Chicago, Ill. Mold for boats of the canoe and like type. 1,655,496; Jan. 10.
- Dynamidon-Werk Engelhorn & Co. Gesellschaft mit beschränkter Haftung. (See Baumhauer, Felix, assignor.)
- Dyresen, Didrick, Malden, Mass. Fastener. 1,675,097; June 26.
- Dyrskog, Berten, Midas, Idaho. Reaming tool. 1,669,697; May 15.
- Dysinger, Ross, assignor of one-half to F. Allen, Clare, Mich. Metal horse. 1,656,558; Jan. 17.
- Dyson, George M., Manchester, F. A. Mason, Blackley, Manchester, and A. Renshaw, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of thlocarbazides of the naphthalene series. 1,673,498; June 12.
- Dyson, George M., Manchester, F. A. Mason, Blackley, Manchester, and A. Reshow, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture and production of carbazides of the naphthalene series. 1,673,499; June 12.
- Dykstra, James, Lansing, assignor to General Motors Corporation, Detroit, Mich. Spring hanger and bumper support. 1,694,774; Dec. 11.
- Dym, Jacob, assignor to Porcelier Manufacturing Company, Pittsburgh, Pa. Lighting bracket. Des. 76,740; Oct. 30.
- Dym, Jacob, assignor to Porcelier Manufacturing Company, Pittsburgh, Pa. Lighting bracket. Des. 76,741; Oct. 30.
- Dyresen, Didrick, Malden, Mass. Separable fastener. 1,693,142; Nov. 27.
- Dyresen, Didrick, Malden, Mass. Separable fastener. 1,693,143; Nov. 27.
- Dyrr, Jacob V., assignor to Dyrr Mfg. Co., Bell, Calif. Furrower overshoe. 1,693,226; Nov. 27.
- Dyrr Mfg. Co. (See Dyrr, Jacob V., assignor.)
- Dzierzenga, Frank, Brooklyn, N. Y. Electric rain switch. 1,655,834; Jan. 10.
- Dzierzenga, Frank, Brooklyn, N. Y. Safety device for windows. 1,664,599; Apr. 3.
- Dziuk, Edmund, Detroit, Mich. Combination post card and letter. 1,693,811; Dec. 4.
- E. A. Laboratories, Inc. (See Aufero, Emanuel, assignor.)
- E. M. S. Industrial Processes Limited. (See Salerni Edoardo M., assignor.)
- E. & N. Manufacturing Company, The. (See Barber, William J., assignor.)
- E. & N. Manufacturing Company, The. (See Newton, M. C., and Gremling, assignors.)
- E. & N. Manufacturing Company. (See Newton, M. C., and Gremling, assignors.)
- Eagle Lites, Inc. (See Altbach, George H., assignor.)
- Eagle Lites, Inc. (See Grossman, Julius, assignor.)
- Eagle Lock Co. (See Plumb, Henry B., assignor.)
- Eagle Manufacturing Company. (See Pauli, John J., assignor.)
- Eagle Manufacturing Company, The. (See Pauli, J., and Miller, assignors.)
- Eagle Pencil Company. (See Boman, C. W., and Kaiser, assignors.)
- Eagle-Picher Lead Company, The. (See Calbeck, J. H., and Schaeffer, assignors.)
- Eagle-Picher Lead Company, The. (See Calbeck, John H., assignor.)
- Eaglesfield, Frederick R., assignor to The Kawneer Company, Niles, Mich. Joining means. 1,658,043; Feb. 7.
- Eagle Lites, Inc. (See Horowitz, Julius, assignor.)
- Eagon, Lloyd L., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,677,957; July 24.
- Eakin, Willard D., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Precision-adjustment device. 1,669,698; May 15.
- Eakins, Clemens F. (See Ober, W., and Eakins.)
- Eaid, John R., Chicago, Ill., assignor to The Peoples Trust and Savings Bank of Chicago, trustee. Spring wheel. 1,678,693; July 31.
- Eames, George M., Bridgeport, Conn., and I. F. Webb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Power table for sewing machines. 1,681,896; Aug. 21.
- Eames, George M., Bridgeport, Conn., and I. F. Webb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Power transmitter. 1,688,414; Oct. 23.

- Eames, George M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Supporting structure for power tables. 1,695,419; Dec. 18.
- Earl, George G., New Orleans, La. Governing fluid pressure. 1,659,354; Feb. 14.
- Earl, David G., Long Beach, Calif. Burglarproof bank construction. 1,687,833; Oct. 16.
- Earl, Harley J. (See Seaholm, E. W., and Earl.)
- Earl, Harley J. (See Seaholm, E. W., and Earl, assignors.)
- Earl, Harley J., assignor to General Motors Corporation, Detroit, Mich. Radiator. Des. 76,850; Nov. 13.
- Earl, Hermon, Piqua, Ohio. Golf bag. 1,681,225; Aug. 21.
- Earl, Schuyler H. (See Finsen, E. and Earl.)
- Earle, Guyon L. C., Forest Hills, N. Y. Building construction. 1,654,683; Jan. 3.
- Earle, Guyon L. C., Forest Hills, N. Y. Garage. 1,654,684; Jan. 3.
- Earle, Lee E., Albany, assignor to United Royalties Corporation, New York, N. Y. Beater. 1,677,754; July 17.
- Earle, Ralph H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Prime-mover dynamo plant. 1,685,740; Sept. 25.
- Early, Earl J., Philadelphia, Pa. Drafting table. 1,658,838; Feb. 14.
- Earnhardt, Everett G., Bath, Pa. Snow remover. 1,681,104; Aug. 14.
- Earnshaw Knitting Company. (See Stockbower, Mabel Y., assignor.)
- Earon, Isabel. (See Earon, Orville D., assignor.)
- Earon, Orville D., assignor to I. Earon, Montclair, N. J. Lather brush. 1,685,526; Sept. 25.
- Earwood, George D., assignor of one-half to E. Frohman, Gastonia, N. C. Trap. 1,655,861; Jan. 3.
- Easily, Clem D., Elkhart, Ind. Badge or similar article. Des. 76,010; Aug. 14.
- Eason, Andrew J., San Bernardino, Calif. Car seal. 1,679,963; Aug. 7.
- Eason, Andrew J., assignor of one-half to U. J. W. West, San Bernardino, Calif. Blowpipe gas-flow control. 1,661,691; Mar. 6.
- Easterday, Van E. sr., Urbana, Ill. Building block. 1,671,893; May 29.
- Easterman, Lea, Brooklyn, N. Y. Joint for glass plates. 1,664,543; Apr. 3.
- Eastern Machine Screw Corporation, The. (See Williamson, Edwin O., assignor.)
- Eastern Manufacturing Company. (See Webb, S. W., and Allen, assignors.)
- Eastern Manufacturing Company. (See Webb, S. W., Callan, and Allen, assignors.)
- Eastern Nail Company. (See Clavin, J. M., and Lease, assignors.)
- Eastern Rolling Mill Company, The. (See Hirschmann, Josef, assignor.)
- Eastern Tool & Mfg. Co. (See Anderson, Carl E., assignor.)
- Eastern Tool & Mfg. Company. (See Falstrom, Henry W., assignor.)
- Eastham, George E., Evansville, Ind. Threading die. 1,675,259; June 26.
- Eastham, Joseph S., assignor to Willamette Iron and Steel Works, Portland, Ore. Load binder for lumber carriers. 1,676,638; July 10.
- Easthope, Arthur, Coventry, England, assignor to General Electric Company. Telephone head set. 1,693,337; Nov. 27.
- Easthope, Ernest, Vancouver, British Columbia, Canada. Stump-pulling engine. 1,680,939; Aug. 14.
- Eastlack, Herbert E. (See Coolidge, C., and Eastlack.)
- Eastman, Floyd K., assignor to Concealed Door Check Company, Kokomo, Ind. Doorcheck strap. 1,657,528; Jan. 31.
- Eastman, Floyd K., assignor to Concealed Door Check Co., Kokomo, Ind. Doorcheck. 1,678,499; July 24.
- Eastman, Floyd K., assignor to Concealed Door Check Company, Kokomo, Ind. Doorcheck. 1,683,713; Sept. 11.
- Eastman, Howard W., San Francisco, Calif. Reinforced tag and rotary process for making same. 1,658,328; Feb. 7.
- Eastman, Ivan L., assignor of one-half to L. E. Eastman, Toledo, Ohio. Oil Concentrator. 1,662,963; Mar. 20.
- Eastman, J. Peter. (See Goldrick, Albert R., assignor.)
- Eastman Kodak Company. (See Altman, Fred E., assignor.)
- Eastman Kodak Company. (See Batty, Harold L., assignor.)
- Eastman Kodak Company. (See Blyth, John M., assignor.)
- Eastman Kodak Company. (See Branchen, L. E., and Prachel, assignors.)
- Eastman Kodak Company. (See Capstaff, John G., assignor.)
- Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
- Eastman Kodak Company. (See Chamberlin, Benjamin D., assignor.)
- Eastman Kodak Company. (See Chapman, Albert K., assignor.)
- Eastman Kodak Company. (See Clarke, H. T., and Malm, assignors.)
- Eastman Kodak Company. (See Cuendet, Maurice E., assignor.)
- Eastman Kodak Company. (See de Moos, Charles, assignor.)
- Eastman Kodak Company. (See Farrow, Edward S., jr., assignor.)
- Eastman Kodak Company. (See Frederick, Charles W., assignor.)
- Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
- Eastman Kodak Company. (See Gray, H. L., and Staud, assignors.)
- Eastman Kodak Company. (See Gray, H. Le B., and Staud, assignors.)
- Eastman Kodak Company. (See Green, Newton B., assignor.)
- Eastman Kodak Company. (See Haste, James H., assignor.)
- Eastman Kodak Company. (See Hodgson, Millard B., assignor.)
- Eastman Kodak Company. (See Jones, John G., assignor.)
- Eastman Kodak Company. (See Jones, Loyd A., assignor.)
- Eastman Kodak Company. (See Jones, L. A., and Richardson, assignors.)
- Eastman Kodak Company. (See Kroedel, R., and Speidel, assignors.)
- Eastman Kodak Company. (See Lovejoy, Frank W., assignor.)
- Eastman Kodak Company. (See Mees, Charles E. K., assignor.)
- Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
- Eastman Kodak Company. (See Newton, Alfred J., assignor.)
- Eastman Kodak Company. (See Prachel, Chauncey U., assignor.)
- Eastman Kodak Company. (See Prachel, C. U., and Branchen, assignors.)
- Eastman Kodak Company. (See Reynolds, Frank H., assignor.)
- Eastman Kodak Company. (See Riddell, William A., assignor.)
- Eastman Kodak Company. (See Ruttan, Alfred A., assignor.)
- Eastman Kodak Company. (See Ruttan, A. A., and Gillice, assignors.)
- Eastman Kodak Company. (See Seel, Paul C., assignor.)
- Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
- Eastman Kodak Company. (See Sheppard, Samuel E., assignor.)
- Eastman Kodak Company. (See Stewart, Donald H., assignor.)
- Eastman Kodak Company. (See Stinchfield, Ray L., assignor.)
- Eastman Kodak Company. (See Stuber, A., and Underwood, assignors.)
- Eastman Kodak Company. (See Sulzer, Albert F., assignor.)
- Eastman Kodak Company. (See Tessier, Julien, assignor.)
- Eastman Kodak Company. (See Tierney, Philip W., assignor.)
- Eastman Kodak Company. (See Tozier, George H., assignor.)
- Eastman Kodak Company. (See Trivelli, Adriaan P. H., assignor.)
- Eastman Kodak Company. (See Underwood, Ernest E., assignor.)
- Eastman Kodak Company. (See Van Doorn, Edward C., assignor.)
- Eastman Kodak Company. (See Ward, Erwin J., assignor.)
- Eastman Kodak Company. (See Wellman, Howard C., assignor.)
- Eastman Kodak Company. (See Wittel, Otto, assignor.)
- Eastman Kodak Company. (See Woolever, Harry E., assignor.)
- Eastman, Le Roy E. (See Eastman, Ivan L., assignor.)
- Eastman, Thomas F., Berkeley, Calif. View finder for cameras. 1,684,821; Sept. 18.
- Easton Car & Construction Company. (See Fraunfelder, George D., assignor.)
- Easy-On Cap Company, The. (See Reid, James S., assignor.)
- Eaton Axle & Spring Company. (See Brawn, Dennis F., assignor.)
- Eaton Axle & Spring Company, The. (See Hopwood, Harry T., assignor.)
- Eaton Axle & Spring Company, The. (See Horton, Allen A., assignor.)
- Eaton Axle & Spring Company, The. (See Reid, James S., assignor.)
- Eaton Axle & Spring Company, The. (See Robie, Frederick C., assignor.)
- Eaton Axle & Spring Company, The. (See Veale, George W., assignor.)
- Eaton Axle & Spring Company, The. (See Wamelink, Eugene C., assignor.)
- Eaton, Clyde L., assignor to Cosmetique Laboratories of America, Portland, Ore. Jar or similar container. Des. 74,724; Mar. 20.
- Eaton, Clyde L., assignor to Cosmetique Laboratories of America, Portland, Ore. Jar or similar container. Des. 74,725; Mar. 20.

- Eaton, Clyde L., assignor to Cosmetique Laboratories of America, Portland, Oreg. Jar or similar container. Des. 74,726; Mar. 20.
- Eaton, Clyde L., assignor to Cosmetique Laboratories of America, Portland, Oreg. Jar or similar container. Des. 74,727; Mar. 20.
- Eaton, Doris M., Springfield, Mass. Ash tray or similar article. Des. 74,922; Apr. 17.
- Eaton, Frank, Des Moines, Iowa. Shear-sharpener vise. 1,681,763; Aug. 21.
- Eaton, George, assignor to M. C. Eaton, Cleveland, Ohio. Electric toaster. Des. 74,972; Apr. 24.
- Eaton, George M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible gear. 1,662,493; Mar. 13.
- Eaton, George M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing apparatus. 1,671,468; May 29.
- Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tank structure. 1,680,412; Aug. 14.
- Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Rotary oiler. 1,684,175; Sept. 11.
- Eaton, George M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear-grinding hob. 1,685,989; Oct. 2.
- Eaton, George M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear-grinding device. 1,687,661; Oct. 16.
- Eaton, George M., Pittsburgh, and E. E. Rose, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator connector. 1,680,411; Aug. 14.
- Eaton, Horace M., assignor to Preble Box Toe Co., Lynn, Mass. Beveling machine. 1,658,079; Feb. 7.
- Eaton, Horace M., Dennis, assignor of one-half to G. L. Preble, Lynn, Mass. Boot and shoe stiffener. 1,681,327; Aug. 21.
- Eaton, James H., Colby, Kans. Terminal connection. 1,696,531; Dec. 25.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Brake. 1,677,024; July 10.
- Eaton, Leslie B., assignor to National Fibreform Company, San Francisco, Calif. Tray-stacking machine. 1,689,332; Oct. 30.
- Eaton, Leslie E., assignor of one-half to C. E. Griffin, Kansas City, Mo. Swaging machine for artificial dentures. 1,695,684; Dec. 18.
- Eaton, May C. (See Eaton, George, assignor.)
- Eaton, Philip K., Olympia, Wash. Marking X-ray films. 1,678,038; July 24.
- Eaton, Richard M., Niagara Falls, N. Y. Switch for electric flash lights. 1,659,864; Feb. 21.
- Eaton, Richard M., Niagara Falls, N. Y. Electric flash light. 1,689,382; Oct. 30.
- Eaton, T., Co., Limited, The. (See Hemphill, William N., assignor.)
- Eaton, William S., Sag Harbor, N. Y. Printing plate. 1,680,097; Aug. 7.
- Eaves, Augustus J., assignor to Western Electric Company, Incorporated, New York, N. Y. Train-announcing system. 1,658,232; Feb. 7.
- Eaves, Ruel H., Needles, Calif. Valve-reseating tool and gauge. 1,679,605; Aug. 7.
- Ebbesen, Aina, New York, N. Y. Toilet article. 1,661,564; Mar. 6.
- Ebel, Frank J., New Orleans, La. Book support. 1,654,868; Jan. 3.
- Ebel, Frank J., New Orleans, La. Combination mouse and rat trap. 1,665,951; Apr. 10.
- Ebeling, Paul, New York, N. Y. Crossing bridge. 1,674,279; June 19.
- Ebenhart, Joseph, assignor of one-half to H. J. Silverman, New York, N. Y. Method and apparatus for laying up cloth. 1,663,496; May 20.
- Eberhard Manufacturing Company, The. (See Hagelin, Alfred B., assignor.)
- Eberhardt, August H., jr., Bedford, Ohio. Ticket and program holder. 1,672,883; June 12.
- Eberhardt, Edward L., Edwardsville, Ill. Manicuring implement. 1,666,619; Apr. 17.
- Eberhardt, William, San Francisco, Calif. Automobile brake. 1,672,560; June 5.
- Eberhart, Emil, Edwardsville, Ill. Removable sanitary cover for freezer cans. 1,686,314; Oct. 2.
- Eberhart, Felix, Arlington, N. J., assignor to American Can Company, New York, N. Y. Decorated box. Des. 75,360; May 29.
- Eberhart, Felix, Arlington, N. J., assignor to American Can Company, New York, N. Y. Decorated box. Des. 75,782; July 17.
- Eberhart, Monnie L., New Lisbon, Wis. Hair-waving device. 1,679,653; Aug. 7.
- Eberle, Alfred C. (See Leach, S. J., and Eberle.)
- Eberle, Herman D. (See Dybens, John G., assignor.)
- Eberlein, Frederick A., Halfway, and F. W. Heyd, St. Clair Shore, Mich. Cigar. 1,671,182; May 29.
- Eberlein, Wilhelm. (See Goedecke, Carl E. J., assignor.)
- Eberling, Charles M., assignor to The Eberling Machines Sales Company, Cleveland, Ohio. Concrete machinery. 1,674,620; June 19.
- Eberling Machines Sales Company, The. (See Eberling, Charles M., assignor.)
- Eberly, Norman E., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental cement. 1,671,104; May 29.
- Eberly, Willard R., St. Paul, Minn. Carburetor attachment. 1,654,584; Jan. 3.
- Ebers, Karl, Ahrensburg, Germany. Purifying and bleaching heavy spar. 1,663,159; Mar. 20.
- Ebert, Charles, Leonia, N. J., W. B. Newkirk, Riverside, Ill., and M. Moskowitz, Spring Valley, N. Y., assignors to International Patents Development Company, Wilmington, Del. Making dextrose. 1,668,308; May 1.
- Ebert, Charles, Leonia, N. J., W. B. Newkirk, Riverside, Ill., and M. Moskowitz, Spring Valley, N. Y., assignors to International Patents Development Company, Wilmington, Del. Manufacture of dextrose. 1,673,187; June 12.
- Ebihara, Keikichi. (See Okochi, M., and Ebihara.)
- Ebner, Alfred J., assignor to Freyn Engineering Company, Chicago, Ill. Tuyere. 1,662,850; Mar. 20.
- Ebner, Alfred J., assignor to Freyn Engineering Company, Chicago, Ill. Air-supply system for blast furnaces. 1,662,851; Mar. 20.
- Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Chambered diaphragm. 1,655,261; Jan. 3.
- Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Capacitance transformer. 1,657,249; Jan. 24.
- Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Insulated cable joints. 1,688,693; Oct. 23.
- Eck, Earl, Minneapolis, Minn. Fish-pole holder and carlock. 1,665,914; Apr. 10.
- Eckardt, Herman V., Brooklyn, assignor to Strauss-Eckardt Co., Inc., New York, N. Y. Doll and playpen. 1,661,283; Mar. 6.
- Eckberg, Curtis R., Chicago, Ill. Liquid dispenser. 1,696,391; Dec. 25.
- Eckberg, Eric A., Oconto, Wis. Whirlpool wheel. 1,670,882; May 22.
- Eckdahl, Werner P., Chicago, Ill. Wet process for manufacturing cement. 1,693,644; Dec. 4.
- Eckersley, Peter P. (See Franklin, C. S., and Eckersley.)
- Eckersley, Thomas L., Danbury, England, assignor to Radio Corporation of America. Radio transmitting system. 1,670,497; May 22.
- Eckersley, Thomas L., Danbury, Essex, England, assignor to Radio Corporation of America. Aerials for wireless signaling. 1,686,963; Oct. 9.
- Eckert, Anton, Pittsburgh, Pa. Potato peeler. 1,695,420; Dec. 18.
- Eckert, Clarence R., Highwood, N. J., assignor to The Barrett Company. Shingle holder. 1,684,479; Sept. 18.
- Eckert, Robert, Delemont, Switzerland. Device for securing chignons to bobbed hair. 1,671,415; May 29.
- Eckert, Wilhelm. (See Zahn, K., and Eckert.)
- Eckert, Wilhelm, Höchst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Vat dyestuffs derived from 1,4,5,8-naphthalene tetracarboxylic acid and aromatic ortho-nitro-amines and preparing the same. 1,690,775; Nov. 6.
- Eckfeldt, Frederick W., Norristown, Pa., assignor to John T. Lewis & Bros. Company, Philadelphia, Pa. Processing apparatus. 1,690,063; Oct. 30.
- Eckhardt, Fritz, and M. Hohnkamp, Eisenach, Germany. Safety device for series-connected incandescent electric lamps. 1,681,471; Aug. 21.
- Eckley, Paul, Walnut Creek, Calif. Trifocal optical lens. 1,654,641 Jan. 3.
- Eckroat, Emanuel, Shenandoah, Pa. Chain fastener. 1,681,526; Aug. 21.
- Eckstein, George H. (See Blalock, C. E., and Eckstein.)
- Eckstein, Henry G., assignor to The Cracker Jack Co., Chicago, Ill. Manufacture of moistureproof paper packages. 1,692,822; Nov. 27.
- Ecksteln, Reuben, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Focusing lamp. 1,669,292; May 8.
- Eclipse Machine Company. (See Bijur, Joseph, assignor.)
- Eclipse Machine Company. (See Densmore, Albert A., assignor.)
- Eclipse Machine Company. (See Dicksee, Cedric B., assignor.)
- Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
- Eclipse Machine Company. (See Loudon, Warren P., assignor.)
- Eclipse Machine Company. (See Martin, Harold M., assignor.)
- Eclipse Machine Company. (See McGrath, William L., assignor.)
- Eclipse Manufacturers, Inc. (See Anderson, William H., assignor.)
- Eclipse Petrol Economiser System Company, The. (See Godward, Ernest R., assignor.)
- Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
- Eclipse Textile Devices, Incorporated. (See Johnston, James S., assignor.)
- Eclipse Textile Devices Inc. (See Mann, J. V., and Hasbrouck, assignors.)
- Economic Machinery Company. (See Ekvall, Arvid P., assignor.)
- Economic Powdered Products Company. (See Callan, William D., assignor.)

- Economy Baler Company. (See Haines, Harold L., assignor.)
- Economy Baler Company. (See Langford, George W., assignor.)
- Economy Baler Company. (See Langford, G. W., Barrows, and Good, assignors.)
- Economy Fuse and Manufacturing Company. (See Gordon, David D., assignor.)
- Economy Fuse and Manufacturing Company. (See Gordon, D. D., and Lindsay, assignors.)
- Economy Fuse and Manufacturing Company. (See Herbst, Clarence A., assignor.)
- Economy Glass Company. (See Dougherty, George, assignor.)
- Economy Governor Company (See Pickering, Arthur L., assignor.)
- Economy Metal Products Corporation. (See Coplan, Archibald H., assignor.)
- Economy Products Corporation. (See Keas, Charles E., assignor.)
- Economy Products Corporation. (See Voight, George F., assignor.)
- Economy Pump and Oil Tool Company. (See Beloit, Harry, assignor.)
- Economy Screw Corporation. (See McCain, Paul H., assignor.)
- Edblad, John W., Westeros, Alberta, Canada. Starter for internal-combustion engines. 1,657,885; Jan. 31.
- Edblom, Lester A., and E. K. Knott, Portland, Ore. Treating blood-stream infections. 1,683,877; Sept. 11.
- Eddins, Web M., Barnett, Miss. Combination trimming saw and slab kicker. 1,677,958; July 24.
- Edison, William B. (See Matthiessen, R. H., and Eddison.)
- Eddison, William B., Irvington, N. Y. Oil-burning heating system. 1,687,549; Oct. 16.
- Edds, Byrd L., Sherman, Tex. Internal-combustion engine. 1,662,379; Mar. 13.
- Eddy, Charles F. A., New London, Conn. Signal system and direction indicator for automobiles. 1,665,584; Apr. 10.
- Eddy, Charles F. A., New London, Conn. Switching mechanism. 1,689,118; Oct. 23.
- Eddy, Herbert L., Hamilton, Kans. Wheel-rim contracting and expanding tool. 1,680,600; Aug. 14.
- Eddy, Lawrence R., Manasquan, N. J. Kite. 1,666,813; Apr. 17.
- Eddy, R. M., Foundry Company. (See Simonsen, Edward H., assignor.)
- Eddy, William O., Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Dehydrator having rotatable electrodes. 1,674,242; June 19.
- Edeburn, Alfred N. (See Edeburn, Tod S., assignor.)
- Edeburn, Alfred N., assignor to The Chain Products Company, Cleveland, Ohio. Side-chain lock. 1,689,944; Oct. 30.
- Edeburn, Tod S., assignor to A. N. Edeburn, Cleveland, Ohio. Coupling member or link. 1,667,541; Apr. 24.
- Edele, Harry H., St. Louis, Mo. Child's vehicle. 1,677,586; July 17.
- Edeleanu, Lazar, Berlin-Charlottenburg, assignor to Allgemeine Gesellschaft für Chemische Industrie, Berlin, Germany. Conversion of high-boiling hydrocarbons into low-boiling hydrocarbons. 1,661,565; Mar. 6.
- Edeleanu, Lazar, Berlin-Charlottenburg, assignor to Allgemeine Gesellschaft für Chemische Industrie, Berlin, Germany. Motor fuel and refining oils. 1,661,566; Mar. 6.
- Edeleanu, Lazar, Berlin-Charlottenburg, assignor to Allgemeine Gesellschaft für Chemische Industrie, Berlin, Germany. Catalyst for manufacture of light hydrocarbons. 1,671,517; May 29.
- Edeleanu, Lazar, K. Pfeiffer, K. Gress, and P. Jodeck, Berlin, Germany. Refining heavy mineral oils by means of sulphur dioxide in a continuous operation. 1,666,560; Apr. 17.
- Edelhoff, Alfred, Volkmarssen, Germany. Potato-planting machine. 1,664,773; Apr. 3.
- Edelin, James N., Washington, D. C. Ice pick. 1,680,774; Aug. 14.
- Edelman, Max., assignor to E. M. Shapiro, Sellersville, Pa. Cutting machine. 1,666,643; Apr. 17.
- Edelman, Otto, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,673,813; June 19.
- Edelman, Philip E., Chicago, Ill. Processing of electrical condensers. 1,658,976; Feb. 14.
- Edelman, Philip E., Chicago, Ill. Radio receiving system. 1,665,847; Apr. 10.
- Edelman, Philip E., New York, N. Y. Radio vacuum-tube circuits. 1,668,060; May 1.
- Edelman, Philip E., Chicago, Ill. Stabilizing means for radio receiving systems. 1,676,256; July 10.
- Edelman, Philip E., Chicago, Ill. Radio power-supply unit. 1,680,370; Aug. 14.
- Edelman, Philip E., Chicago, Ill. Radio battery eliminator. 1,682,492; Aug. 28.
- Edelman, Philip E., Chicago, Ill. Radiochassis. 1,682,778; Sept. 4.
- Edelman, Philip E., Chicago, Ill. Oriented electrical conductor. 1,683,819; Sept. 11.
- Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
- Edelmann, Emil O., Elberfeld, Germany. Device for bringing and holding heavy welding pieces in a suitable position during the welding process. 1,684,128; Sept. 11.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Automobile lamp. Des. 74,786; Mar. 27.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. High-pressure grease-gun connection. 1,680,138; Aug. 7.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Road light. 1,680,139; Aug. 7.
- Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Hydrometer. 1,683,452; Sept. 4.
- Edelson, Charles Z. (See Goldeen, J., Tarlow, and Edelson.)
- Edelson, Leon. (See Lee, F. W., and Pullen, assignors.)
- Eden, Edward H., St. Louis, Mo. Snow shovel. 1,667,591; Apr. 24.
- Eden, James A., jr., Springfield, Mass. Running gear for vehicles. 1,658,432; Feb. 7.
- Edenburg, Ludwig, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,656,481; Jan. 17.
- Edenharder, Eugene E. and J. E., assignors of one-third to H. Edenharder, West Allis, Wis. Device for delivering mail bags from railway cars. 1,692,979; Nov. 27.
- Edenharder, Helen. (See Edenharder, Eugene E. and J. E., assignors.)
- Edenharder, Jacob E. (See Edenharder, Eugene E. and J. E.)
- Edens, Louis M., Cabool, Mo. Medicinal instrument. 1,678,562; July 24.
- Eder, John, Philadelphia, Pa. Automatic ejector for bottle-labeling machines. 1,695,325; Dec. 18.
- Edey, Charles E. C., Los Angeles, Calif. Combined gas heater and cookstove. 1,671,518; May 29.
- Edgar, Ernest L., Edgewood, Tex. Safety razor. 1,672,310; June 5.
- Edgar, Frank M. (See Archer, T. P., and Edgar.)
- Edgar, Graham, assignor to Ethyl Gasoline Corporation, Dayton, Ohio. Bromine recovery. 1,662,305; Mar. 13.
- Edgar, Harry A., Luverne, Minn. Air cleaner. 1,693,479; Nov. 27.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Dressing attachment for hob-grinding machines and method of dressing grinding wheels. 1,686,802; Oct. 9.
- Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Workholder. 1,694,034; Dec. 4.
- Edge Moor Iron Company. (See Allen, F. L., and Flower, assignors.)
- Edge Moor Iron Company. (See Bradford, Henry B., assignor.)
- Edge Moor Iron Company. (See Montgomery, Wallace, assignor.)
- Edge, Robert W., Southport, England. Ring spinning and doubling frame. 1,664,066; Mar. 27.
- Edge, Selwyn F. (See Smith, Sydney, assignor.)
- Edgett, William E., Indian Orchard, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Heater connection. 1,687,931; Oct. 16.
- Edgewater Steel Company. (See Bell, F. B., and Wikander, assignors.)
- Edington, Robert M., Vineland, N. J. Poultry drinking fountain. 1,673,814; June 19.
- Edison Electric Appliance Company. (See Halle, Simon, assignor.)
- Edison Electric Appliance Company. (See Kelly, William D., assignor.)
- Edison Electric Appliance Company. (See McCormick, Francis H., assignor.)
- Edison Electric Appliance Company. (See Randolph, Charles P., assignor.)
- Edison Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
- Edison Electric Appliance Company. (See Simmons, Albert H., assignor.)
- Edison Electric Appliance Company. (See Strunk, Harry E., assignor.)
- Edison Electric Appliance Company. (See Uhl, Robert L., assignor.)
- Edison Electric Appliance Company. (See Vanatta, Willis N., assignor.)
- Edison, Russell L., assignor to Fleckenstein Pump Company, Grand Rapids, Mich. Liquid measuring and dispensing apparatus. 1,696,841; Dec. 25.
- Edison Storage Battery Company. (See Payne, Paul D., assignor.)
- Edison, Thomas A., Incorporated. (See Edison, Thomas A., assignor.)
- Edison, Thomas A., Incorporated. (See Holland, Newman H., assignor.)
- Edison, Thomas A., Incorporated. (See Richards, Edward M., assignor.)
- Edison, Thomas A., Llewellyn Park, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Production of alkali-metal compounds from silicates containing them. 1,678,246; July 24.
- Edison, Thomas A., Llewellyn Park, West Orange, assignor to Thomas A. Edison Incorporated, West Orange, N. J. Producing sound-record tablets. 1,690,159; Nov. 6.
- Edison, Thomas A., Jr., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Ignition timer. 1,686,686; Oct. 9.

- Edlich, Carl, Delawanna, N. J., assignor to Max Kaufmann & Company, Inc., New York, N. Y. Textile fabric. Des. 76,784; Nov. 6.
- Edmonds, Edward T. (See Edmands, Walter S., assignor.)
- Edmands, Walter S., Boston, assignor to E. T. Edmands, Newton, Mass. Surgical baker. 1,667,775; May 1.
- Edmiston, Boyd, and H. T. Kinney, Punxsutawney, Pa. Bottle. Des. 77,081; Dec. 4.
- Edmiston, Hugh C. (See Goddard, John V., assignor.)
- Edmonds, Courtenay W. H. (See Peter, L. H., and Edmonds.)
- Edmonds, George P., assignor to G. & W. Electric Specialty Company, Chicago, Ill. Electrical-conductor-protecting means. 1,675,408; July 3.
- Edmonds, Warren O., Kansas City, Mo., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,675,336; July 3.
- Edmonds, William A. (See Musebeck, George E., assignor.)
- Edmondson, E. S., Company. (See Bacon, Harry S. C., assignor.)
- Edmondson, Ralph S., Elizabeth, N. J., and E. Hahn, Philadelphia, Pa., assignors to American Abrasive Metals Company. Manufacture of articles adapted to resist abrasion. 1,692,725; Nov. 20.
- Edmondson, Samuel G., St. Louis, Mo. Lamp standard. Des. 75,783; July 17.
- Edmund, Oscar G., assignor of one-half to White Pine Sash Company, Spokane, Wash. Mortising machine. 1,669,191; May 8.
- Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Conveyer chain. 1,667,844; May 1.
- Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mine car. 1,678,563; July 24.
- Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mine-car bumper. 1,690,532; Nov. 6.
- Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
- Edmunds, Louis L., Crockett, Calif. Device for applying outlet fittings to filter leaves. 1,657,793; Jan. 31.
- Edmunds, Louis L., Crockett, Calif. Bag-filling apparatus. 1,667,930; May 1.
- Edmunds, Louis L., Crockett, Calif. Continuous cube-drying machine. 1,675,260; June 26.
- Edmondson, Ruben E., St. Joseph, Mo. Combined coat and trousers hanger. 1,695,580; Dec. 18.
- Edquist, Einar, Chicago, Ill. Vacuum bottle. 1,695,540; Dec. 18.
- Edsall, William H., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery carrier. 1,663,122; Mar. 20.
- Edsall, William S., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Multibreak electric switch. 1,696,296; Dec. 25.
- Edson, Elmer R., Portland, Oreg. Switching device. 1,669,741; May 15.
- Edson, Elmer R., Portland, Oreg. Railway switch. 1,669,742; May 15.
- Edson, Elmer R., Portland, Oreg. Railway roadbed and track construction. 1,674,893; June 26.
- Edson, Elmer R., Portland, Oreg. Railway roadbed and track construction. 1,694,811; Dec. 11.
- Edson, William R., Southbridge, Mass. Picker magnet. 1,680,599; Aug. 14.
- Edwards, Alonzo L., and J. A. McGinnis, Wheeling, W. Va., assignors to Wheeling Stamping Company. Apparatus and method for applying cork to caps. 1,686,687; Oct. 9.
- Edwards, Alrah B., Abilene, Tex. Hose-winding-machine casing for use at filling stations, garages, and other places. Des. 76,128; Aug. 21.
- Edwards, Berkeley H., trustee. (See Zamboni, Lawrence, assignor.)
- Edwards, Charles E., Manchester, N. H. Embossing plate and producing the same. 1,663,688; Mar. 27.
- Edwards, Charles R., Houston, Tex. Pipe puller. 1,684,018; Sept. 11.
- Edwards, Charles R., and S. Evans, Houston, Tex. Pipe-engaging slip. 1,691,384; Nov. 13.
- Edwards, Clarence G., Los Angeles, Calif. Counterthrust pressure motor. 1,678,424; July 24.
- Edwards, Clarence G., Los Angeles, Calif. Counterthrust pressure piston. 1,679,964; Aug. 7.
- Edwards, Don J., assignor to The Thomas Laughlin Company, Portland, Me. Link. 1,663,043; Mar. 20.
- Edwards, Earl, Santa Ana, Calif. Game. 1,695,144; Dec. 11.
- Edwards, Eaton G. (See Gargiulo, F., Edwards, and Oppe.)
- Edwards, Elmer J., et al. (See Fibiger, Augustus F., assignor.)
- Edwards, Eugene P., assignor to Simplex Universal Joint, Inc., Flemington, N. J. Universal joint. 1,692,638; Nov. 20.
- Edwards, George O., and L. Brown, jr., Montreal, Quebec, Canada. Mitering machine. 1,663,247; Mar. 20.
- Edwards, George W., Toledo, Ohio. Automatic train-controlling apparatus. 1,673,501; June 12.
- Edwards, Harry E., Niles, Ohio. Machine for charging and discharging annealing ovens, etc. 1,663,370; Mar. 20.
- Edwards, Harry M. (See Di Pietro, P., and Edwards.)
- Edwards, Harry R., Rangoon, Burma. Destroying weeds, particularly aquatic weeds and plants. 1,671,981; June 5.
- Edwards, Henry J., assignor to The Willys-Overland Company, Toledo, Ohio. Metal-coated valve sleeve and coating the same. 1,682,702; Aug. 28.
- Edwards, Henry J., assignor to Industrial Research Corporation, Toledo, Ohio. Internal-combustion engine. 1,694,642; Dec. 11.
- Edwards, Isaac L., Aurora, Ill. Overalls. 1,664,774; Apr. 3.
- Edwards, James, Philadelphia, Pa. Method of and last for making turned shoes. 1,664,199; Mar. 27.
- Edwards, James M., assignor to Iowa Dairy Separator Company, Waterloo, Iowa. Oiling indicator. 1,693,812; Dec. 4.
- Edwards, John F., Warren, Ark. Compound for tempering tools and tool steel. 1,696,297; Dec. 25.
- Edwards, John R., Vancouver, British Columbia, Canada, assignor to American Can Company, New York, N. Y. Bail ear and attaching same. 1,694,775; Dec. 11.
- Edwards, Joseph B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Rheostat. 1,668,764; May 8.
- Edwards, Mathew, Pittsburgh, Pa. Curtain-stretching device. 1,674,198; June 19.
- Edwards, O. M., Company, The. (See Chaffee, Edward F., assignor.)
- Edwards, Richard M., Canton, Ohio, assignor of one-half to F. Thomas, Indianapolis, Ind. Amusement device for inducing sensations of aviation. 1,686,315; Oct. 2.
- Edwards, Roger D., Albert Lea, Minn. Mounting and driving means for snowplow cutting wheels. 1,691,232; Nov. 13.
- Edwards, Roy M., and J. P. Poschen, Pittsburgh, Pa. Door mechanism. 1,661,719; Mar. 6.
- Edwards, Russell P. (See Anderson, D. E., and Edwards.)
- Edwards, Samuel, Charleston, W. Va. Rail joint. 1,672,451; June 5.
- Edwards, Sherwood E., New Orleans, La. Game apparatus. 1,661,885; Mar. 6.
- Edwards, William, Altaville, Calif. Hammer handle. 1,683,878; Sept. 11.
- Edwards, William H., Enfield, near Sydney, assignor of one-half to E. P. Hall, Roseville, near Sydney, New South Wales, Australia. Throttle valve indicator. 1,669,699; May 15.
- Edwards, William H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Lock. 1,685,154; Sept. 25.
- Edwards, William H., Brooklyn, N. Y., and E. W. Niles, Newark, N. J., assignors to American Telephone and Telegraph Company. Linemen's test set. 1,672,933; June 12.
- Edwards, William K., Big Spring, Tex. Gate-closing device. 1,684,578; Sept. 18.
- Edwards, William R. (See Klaus, F. R., and Edwards.)
- Edwards, William R. (See Kranz, H. W., Edwards, and Lukes.)
- Edwards, William S. (See St. Clair, Moffat, assignor.)
- Edwards, William W., Los Angeles, Calif. Radial drill. 1,684,665; Sept. 18.
- Edwards, Wilson D., Terre Haute, Ind., assignor to The Herpicide Company, Detroit, Mich. Bottle. Des. 76,129; Aug. 21.
- Edwards, Wilson D., assignor to Turner Glass Company. Terre Haute, Ind. Bottle. Des. 76,130; Aug. 21.
- Edwin, Emil, assignor to Aktieselskapet Norsk Staat Elektrisk-Gas-Reduktion, Trondhjem, Norway. Using high-tension electric arcs for treatment of gases. 1,683,534; Sept. 4.
- Edwin, Emil, Trondhjem, assignor to the firm: Aktieselskapet Norsk Staat Elektrisk-Gas-Reduktion, Oslo, Norway. Making synthetic pig iron. 1,686,075; Oct. 2.
- Efcollite Corporation. (See von Nessen, Walter, assignor.)
- Effront, Jean. (See Boidin, A., and Effront.)
- Eframson, Carl F., Minneapolis, Minn. Heater construction. 1,690,533; Nov. 6.
- Efstathiou, Theofanis, Astoria, N. Y. Cooling and dispensing device. 1,656,782; Jan. 17.
- Egan, Alfred, London, England. Hack-saw frame. 1,695,231; Dec. 11.
- Egan, George F., Jersey City, N. J. Vehicle bumper. 1,668,058; May 1.
- Egan, George F., Jersey City, N. J. Display device. 1,668,059; May 1.
- Egan, George F., Jersey City, N. J. Display device. 1,668,109; May 1.
- Egan, George F., Jersey City, N. J. Display device. 1,681,527; Aug. 21.
- Egan, George F., Jersey City, N. J. Display device. 1,690,218; Nov. 6.
- Egan, George F., Jersey City, N. J. Display device. 1,690,219; Nov. 6.
- Egan, George F., Jersey City, N. J. Sewer construction. 1,693,977; Dec. 4.
- Egan, George F., Jersey City, N. J. Sewer construction. 1,693,978; Dec. 4.
- Egan, John J., assignor to W. L. Collins, Boston, Mass. Electric switch. 1,667,247; Apr. 24.
- Egan, John J., and E. Gregor, assignors to McCallum Hosiery Company, Northampton, Mass. Plating attachment. 1,666,123; Apr. 17.

- Egan, Walter J., Brooklyn, N. Y. Sanitary cover for garbage cans. 1,682,491; Aug. 27.
- Egbert, Alfred G., Pleasanton, Kans. Poultry-scalding means. 1,678,936; July 31.
- Egbert, Charles C., Niagara Falls, N. Y. Pressure-relief device. 1,669,700; May 15.
- Egbert, Miriam R. (See Sanchez, Roman L., assignor.)
- Eger, George, assignor to The Stanley Works, New Britain, Conn. Combination workbench and tool-holder. 1,688,533; Oct. 23.
- Egg, Harold, London, England. Appliance for use in practicing games. 1,671,894; May 29.
- Eggenweiler, Charles W. and W. J. Fiegel, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Machine for trimming the edges of bearings or like sections. 1,696,392; Dec. 25.
- Eggers, William H., Brooklyn, N. Y. Radio tube socket. 1,665,876; Apr. 10.
- Eggert, Walter C., La Touche, Alaska. Ore separator. 1,673,188; June 12.
- Eggert, William, Jr., Brightwaters, N. Y. Tobacco-leaf-stringing machine. 1,658,920; Feb. 14.
- Eggert, William, Jr., Brightwaters, N. Y. Treating plants. 1,686,964; Oct. 9.
- Eggleston Drilling Corporation. (See Smith, Eggleston, assignor.)
- Eggleston, Lewis W., Clarence Township, Erie County, assignor to American Radiator Company, New York, N. Y. Valve. 1,667,698; Apr. 24.
- Eggleston, Lewis W., Buffalo, assignor to American Radiator Company, New York, N. Y. Relief valve. 1,670,615; May 22.
- Eggleston, Lewis W., Buffalo, assignor to American Radiator Company, New York, N. Y. Air-vent valve for radiators. 1,678,851; July 31.
- Eggleston, Lewis W., Buffalo, assignor to American Radiator Company, New York, N. Y. Valve. 1,681,157; Aug. 14.
- Eggleston, Lewis W., Clarence Township, Erie County, assignor to American Radiator Company, New York, N. Y. Valve. 1,692,770; Nov. 20.
- Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Automatic draft regulator for boilers. 1,695,241; Dec. 11.
- Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Automatic draft regulator for boilers. 1,695,242; Dec. 11.
- Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Automatic draft regulator for boilers. 1,695,243; Dec. 11.
- Egler, Andrew G., Youngstown, Ohio. Furnace. 1,674,167; June 19.
- Egleson, James E., East Orange, N. J., assignor to General Chemical Company, New York, N. Y. Treating solid materials with liquid reagents. 1,690,363; Nov. 6.
- Egleson, James E. A., East Orange, N. J., assignor to Congoleum-Nairn, Inc. Floor covering. 1,691,708; Nov. 13.
- Egley, Harry G., Morris Plains, N. J. Glare shield. 1,667,658; Apr. 24.
- Egli, Arnold A., Hamburg, Germany, assignor to the firm Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhausen, Switzerland. Apparatus for registering the writing or casting position of line-for-line-printing typewriters, type-setting machines, or the like. 1,656,106; Jan. 10.
- Egli, Arnold A., Hamburg, Germany, assignor to the firm Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhausen, Switzerland. Inking arrangement for line-by-line writing machines. 1,669,933; May 15.
- Egli, Arnold A., Hamburg, Germany, assignor to Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhausen, Switzerland. Method and apparatus for the aligning of type carriers. 1,678,694; July 31.
- Egli, Arnold A., Bern, assignor, by mesne assignments, to Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhausen, Switzerland. Writing machine. 1,669,932; May 15.
- Egli, Arnold A., Klein Gneummenen, assignor, by mesne assignments, to Chocolat Tobler Holding Co., Aktiengesellschaft, Schaffhausen, Switzerland. Line-by-line type-writing machine. 1,633,964; Sept. 11.
- Egli, Huldreich, assignor to Aktiengesellschaft Seeriet, Arbon, Switzerland. Imparting a linenlike effect to cotton. 1,690,572; Nov. 6.
- Egloff, Gustav, Chicago, Ill. Treating hydrocarbons. 1,692,203; Nov. 20.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,670,106; May 15.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Deemulsifying hydrocarbons. 1,670,107; May 15.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,670,108; May 15.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,679,208; July 31.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,682,742; Sept. 4.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating petroleum oil. 1,682,744; Sept. 4.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating oils. 1,683,767; Sept. 11.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,688,860; Oct. 23.
- Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,688,861; Oct. 23.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbons. 1,659,597; Feb. 14.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,659,598; Feb. 14.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbons. 1,670,105; May 15.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Distilling emulsified oils. 1,674,819; June 26.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Cracking hydrocarbons. 1,688,859; Oct. 23.
- Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating emulsified oil. 1,694,643; Dec. 11.
- Egloff, Gustav, Chicago, Ill., and W. R. Howard, Washington, D. C., assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,683,766; Sept. 11.
- Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Halogen treatment of oil shale. 1,682,743; Sept. 4.
- Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbons. 1,655,600; Jan. 10.
- Egloff, Gustav, and H. P. Benner, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Pipe connection. 1,685,483; Sept. 25.
- Egly, George, Berlin-Treptow, assignor to Gebrüder Siemens & Co., Berlin-Lichtenberg, Germany. Electric resistance. 1,671,469; May 29.
- Egry Register Company, The (See Neth, George J., assignor.)
- Ehardt, John, and L. Stark, Chicago; said L. Stark assignor to I. S. Stark, Chicago, Ill. Draftless ventilated window. 1,689,522; Oct. 30.
- Ehlers, Robert J. (See Gundelach, Emil C., assignor.)
- Ehlert, Emil W., Thorp, Wis. Traction device for vehicles. 1,690,970; Nov. 6.
- Ehmann, Otto, assignor of one-half to E. Korn, Chicago, Ill. Milk-bottle cap. 1,675,170; June 26.
- Ehnborn, Charles B., Glen Ellyn, assignor to Thomas Cusack Company, Chicago, Ill. Illuminated sign and letter therefor. 1,679,296; July 31.
- Ehnborn, Clemens E., Chicago, Ill. Window seat. 1,683,027; Sept. 4.
- Ehnts, Frederic H., Germantown, Philadelphia, Pa., assignor, by mesne assignments, to H. W. Butterworth & Sons Company. Laundry machinery. 1,674,036; June 19.
- Ehrat, Adolf, assignor to the firm: Terra Aktiengesellschaft, Zurich, Switzerland. Winning petroleum. 1,660,187; Feb. 21.
- Ehrenfeld, Day (See Oglesby, N. E., and Ehrenfeld.)
- Ehrenfeld, Ralph, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,671,470; May 29.
- Ehrenfeld, Ralph, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Terminal Cover. 1,678,852; July 31.
- Ehrenfeld, Ralph, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Clutch. 1,682,493; Aug. 28.
- Ehrenfeld, Simon. (See Friedman, D., and Ehrenfeld.)
- Ehret, Conrad, Oklahoma City, Okla. Closure for thief holes for tanks and other receptacles. 1,671,357; May 29.
- Ehret, Cornelius D. (See Porter, Harry F., assignor.)
- Ehret, Cornelius D., Philadelphia, Pa. Method of and apparatus for compressing fluid. 1,687,550; Oct. 16.
- Ehrhart, Gustav. (See Bockmühl, M., and Ehrhart.)
- Ehrhart, Raymond N., assignor to Elliott Company, Pittsburgh, Pa. Centrifugal pump. 1,680,208; Aug. 7.
- Ehrgott, Karl, Erie, assignor to Bernard Gloekler Company, Pittsburgh, Pa. Electric griddle. 1,657,204; Jan. 24.
- Ehrgott, Karl, Erie, assignor to Bernard Gloekler Company, Pittsburgh, Pa. Electric bake oven. 1,657,205; Jan. 24.
- Ehrler, Albert, New York, N. Y. Method and apparatus for placing poles. 1,679,297; July 31.
- Ehrlich, Adolf, Budapest, Hungary. Vehicle propelled by steppers. 1,691,233; Nov. 13.
- Ehrlich, Albert H., St. Joseph, Mo. Refrigerator display counter. 1,673,621; June 12.
- Ehrlich, Frederick W., Newark, N. J. Automobile radiator ornament. Des. 76,383; Sept. 25.
- Ehrlich, John B., Portland, Oreg. Heating appliance. 1,663,937; Mar. 27.
- Ehrlich, John B., Portland, Oreg. Fireplace. 1,676,484; July 10.
- Ehrlich, William, assignor to Case & Martin Company, Chicago, Ill. Meringue-applying device. 1,654,533; Jan. 3.

- Ehrmann, Friedrich, Stuttgart-Feuerbach, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Casting apparatus. 1,694,118; Dec. 4.
- Eiane, Halvor O., Detroit Harbor, Wis. Parachute. 1,679,714; Aug. 7.
- Eichberg, Arthur, and H. Dietz, Chicago, Ill. Foot gear-forming machine. 1,688,007; Oct. 16.
- Eichel, Samuel. (See Smith, A. P., and Eichel.)
- Eichelgrün, Martin, Frankfurt-on-the-Main, Germany. Inclined-plane switch and curved-track frame for field railway vehicles. 1,654,869; Jan. 3.
- Eichelgrün, Martin, Frankfurt-on-the-Main, Germany. Inclined-plane switch. 1,668,007; May 1.
- Eichenbaum, Samuel. (See Miller, I., Becker, and Eichenbaum.)
- Eichengrün, Arthur, Charlottenburg, Germany, assignor to Celanese Corporation of America. Production of thin films of cellulose derivative. 1,683,457; Oct. 23.
- Eicher, Albert L., Canal Fulton, Ohio. Forging gear worms. 1,680,327; Aug. 14.
- Eicher, Albert L., Canal Fulton, Ohio. By-pass lubricator. 1,680,328; Aug. 14.
- Eichholz, William. (See Schmidt, J. C., and Eichholz.)
- Eichman, Arthur W., assignor to A. Mueller, trustee, Decatur, Ill. Knockdown refreshment booth. 1,692,252; Nov. 20.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 75,480; June 12.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 76,183; Aug. 28.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 76,184; Aug. 28.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 76,292; Sept. 11.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 76,466; Oct. 2.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Rochester, N. Y. Belt buckle. Des. 76,785; Nov. 6.
- Eichner, Robert F., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 77,222; Dec. 18.
- Eichorn, Arthur M., New York, N. Y. Cleaning attachment for automatic telephone dials. 1,658,977; Feb. 14.
- Eichwede, Heinz. (See Wagner, H., Eichwede, and Fischer.)
- Eichwede, Heinz, E. Fischer, and C. E. Müller, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing cellulose derivatives. 1,692,492; Nov. 20.
- Eichwede, Heinz, E. Fischer, and C. E. Müller, Höchst-on-the-Maine, Germany, assignors, to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing cellulose derivatives. 1,692,493; Nov. 20.
- Eichwede, Heinz, Höchst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Azo dyestuffs and preparing the same. 1,694,117; Dec. 4.
- Eickhoff, Theodore H., Cleveland Heights, Ohio, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Machine for forming reinforcement supports. 1,683,610; Sept. 11.
- Eickmeyer, Earl E., assignor to The National Recording Pump Company, Dayton, Ohio. Device for lapping in valves. 1,663,447; Mar. 20.
- Eickmeyer, Earl E., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Gasoline pump. 1,666,644; Apr. 17.
- Eickmeyer, Earl E., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Gasoline pump. 1,680,972; Aug. 14.
- Eickmeyer, Earl E., assignor to The National Recording Pump Company, Dayton, Ohio. Liquid-measuring pump. 1,681,105; Aug. 14.
- Eickmeyer, Earl E., assignor to The Dayton Pump & Mfg. Company, Dayton, Ohio. Gasoline pump. 1,684,130; Sept. 11.
- Eickmeyer, Earl E., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Pump casing. Des. 76,786; Nov. 6.
- Eickmeyer, Earl E., and H. L. Jones, assignors to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Gasoline pumping apparatus. Des. 75,965; Aug. 7.
- Eickworth, Regnier, Dortmund, Germany. Gas burner. 1,664,973; Apr. 3.
- Elde, Hans H., Chicago, Ill. Wagon. 1,673,740; June 12.
- Eliermann, Karl, assignor to the firm Colo-Diesel-Motoren-gesellschaft m. b. H., Munich, Germany. Internal-combustion engine. 1,661,171; Mar. 6.
- Eifel, Joseph, Chicago, Ill. Expandible loose-sheet holder. 1,682,667; Aug. 28.
- Eige, Jacob, assignor to The Fisher Governor Company, Inc., Marshalltown, Iowa. Bearing construction for float-arm shafts. 1,685,046; Sept. 18.
- Eige, Jacob, assignor to The Fisher Governor Company, Marshalltown, Iowa. Journaling means for hollow float-arm shafts. 1,685,527; Sept. 25.
- Eight Wheel Motor Vehicle Company. (See Fageol, Rollie B., assignor.)
- Eller, Erwin H., St. Louis, Mo. Spark plug. 1,655,990; Jan. 10.
- Eilers, Henry K., Plainfield, N. J., assignor to Pyramid Iron Products Corporation. Grate bar. 1,693,710; Dec. 4.
- Eilers, Gerard J., Amsterdam, Netherlands. Hard court for tennis and the like. 1,690,059; Oct. 30.
- Elmer, August, New York, N. Y. Electric pressure generator. 1,695,803; Dec. 18.
- Einfeldt, Ernest E., assignor, by mesne assignments, to French & Hecht, Inc., Davenport, Iowa. Tire mounting for traction wheels. 1,679,023; July 31.
- Einfeldt, Ernest E., assignor, by mesne assignments, to French & Hecht, Inc., Davenport, Iowa. Locking device for wheel-rim-expanding wedges. 1,680,371; Aug. 14.
- Einfeldt, Ernest E., assignor, by mesne assignments, to French & Hecht, Inc., Davenport, Iowa. Making metal wheel rims. 1,681,177; Aug. 21.
- Einhorn Brothers et al. (See Middleman, Emanuel L., assignor.)
- Einsele, Robert, assignor, to Rodi & Wienerberger Akt.-Ges. für Bijouterie- & Kettenfabrikation, Pforzheim, Germany. Machine for the manufacturing of chain mail in tubular shape. 1,663,448; Mar. 20.
- Einson-Freeman Co. (See Einson, Morris M., assignor.)
- Einson, Morris M., Yonkers, N. Y., assignor to Einson-Freeman Co., Inc., Combination packing and display container. 1,685,125; Sept. 25.
- Einson, Morris M., Yonkers, N. Y., assignor to Westinghouse Lamp Company. Shipping and display carton. 1,670,498; May 22.
- Einstein, Sol, assignor, by mesne assignments to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Internal grinder. 1,662,821; Mar. 20.
- Einstein, Sol, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding. 1,670,717; May 22.
- Einstein, Sol, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centralized control for grinders. 1,672,117; June 5.
- Einstein, Sol, assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine having balanced spindle. 1,634,792; Sept. 18.
- Einstein, Sol, Cincinnati, assignor to The Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Variable spindle drive. 1,688,534; Oct. 23.
- Einstein, Sol, W. Peaslee, and E. S. Haas, assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Automatic size-grinding machine. 1,665,160; Apr. 3.
- Einstein, Sol, L. F. Neeninger, Cincinnati, and H. R. Isler, Norwood, assignors to The Cincinnati Milling Machine Company, Oakley, Cincinnati, Ohio. Cutter grinder. 1,679,413; Aug. 7.
- Elrich, Joseph. (See Elrich, Ludwig and J.)
- Elrich, Ludwig and J., Hardheim, Germany. Discharging closure for mixing machines. 1,663,830; Mar. 27.
- Elser, Charles, Edgewater, and W. H. Marshall, Denver, Colo.; said Elser assignor to said Marshall. Radio-antenna. Des. 74,484; Feb. 21.
- Eisele & Company. (See Stewart, William E., assignor.)
- Eisele, Gustav A., Bellmawr, N. J. Micrometer expansion gauge. 1,656,180; Jan. 17.
- Eisele, Julius. (See Griessbach, R., and Eisele.)
- Eisele, Leonhard, Pfaffenhofen, Post Buttenwiesen, Germany. Support for knives of mowing machines. 1,692,494; Nov. 20.
- Eisele, Logan, Nashville, Tenn. Clinical thermometer and sterilizing case. 1,667,248; Apr. 24.
- Eisele, Louis F., Philadelphia, Pa. Fireplace attachment. 1,676,893; July 10.
- Eiselt, Emil, Baltimore, Md. Truck side frame. 1,674,504; June 19.
- Eisemann Magneto Corporation. (See Livingston, Stanley D., assignor.)
- Eisenberg, Robert, and M. Rajewsky, Chicago, Ill. Vanity case and pocketbook for animal heads. 1,679,965; Aug. 7.
- Eisenberg, William, Evansville, Ind. Machine for forming helical channels. 1,684,310; Sept. 11.
- Elsengart, William C., Pittsburgh, Pa. Lubricating device for internal-combustion engines. 1,664,671; Apr. 3.
- Eisenhardt, Frank J., Waukegan, Ill., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Brake lining. 1,686,903; Oct. 9.
- Eisenhauer, Charles P., Dayton, Ohio. Water-softener valve. 1,695,541; Dec. 18.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Pump. 1,656,911; Jan. 24.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Bearing. 1,657,349; Jan. 24.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Pump. 1,661,886; Mar. 6.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Automatic water softener. 1,674,717; June 26.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Valve for pumps. 1,674,718; June 26.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Tank. 1,678,770; July 31.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Filter. 1,694,467; Dec. 11.
- Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water-softening apparatus. 1,695,542; Dec. 18.

- Eisenbauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Pump. 1,695,543; Dec. 18.
- Eisenhuth, Frederick G., Utica, N. Y. Wheel puller. 1,680,974; Aug. 14.
- Eisenmann, John, deceased, by The Manell Building Block & Tile Company, assignee, Cleveland, Ohio. Building block and construction. Re17,137; Nov. 20.
- Eisenmenger, Rudolf, Vienna, Austria. Apparatus for producing or promoting artificial breathing or respiration. 1,670,301; May 22.
- Eisenstein, Alfred, Schreckenstein, near Aussig-on-the-Elbe, Czechoslovakia, assignor of one-half to George Schicht A.-G., Aussig-on-the-Elbe. Manufacture of linoleum covering material. 1,693,917; Dec. 4.
- Eisenstein, Maxwell. (See Moskovitz, J., and Peretz, assignors.)
- Eisenwinter, Wilfred W., Lynn, Mass., assignor to General Electric Company. Centrifugal pump and compressor. 1,670,065; May 15.
- Eisler, Charles, Newark, N. J. Sealing-in machine for tubes and bulbs. 1,655,050; Jan. 3.
- Eisler, Charles, Newark, N. J. Machine for making stems for incandescent lamps. 1,655,051; Jan. 3.
- Eisler, Charles, Newark, N. J. Compound vacuum pump. 1,672,205; June 5.
- Eisner, Joseph, et al. (See Newmark, Aaron S. assignor.)
- Eitelgeorge, Frank A., Denver, Colo. Window wiper. 1,675,537; July 3.
- Ek, Emil, assignor to Adde and Company, Portland, Me. Operating device. 1,664,919; Apr. 3.
- Ekelund, John A., Minneapolis, Minn. Ball game apparatus. 1,682,170; Aug. 28.
- Ekhholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Adjustable third or fourth point support for brake beams. 1,689,333; Oct. 30.
- Eklind, Carl E. (See Treptow, G. R., and Eklind.)
- Eklöf, Max A., Chicago, Ill. Column clamp; 1,674,280; June 19.
- Eklund, Karl, assignor to W. E. Keough Company, Forest Park, Ill. Handle for operating levers. 1,691,923; Nov. 20.
- Ekman, Albert C., Minneapolis, Minn. Pipe-swaging device. 1,665,915; Apr. 10.
- Ekman, Andrew, Grand Rapids, Mich. Latch. 1,658,481; Feb. 7.
- Ekman, Andrew, Grand Rapids, Mich. Adding machine. 1,661,605; Mar. 6.
- Ekman, Andrew, assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,658,921; Feb. 14.
- Ekse, Ingvald J., Minneapolis, Minn. Storm-sash holder. 1,669,606; May 15.
- Eksergian, Edward, St. Louis, Mo., and Wallenthin, Attleboro, Mass., said Wallenthin assignor to said Eksergian. Cigarette holder. 1,679,209; July 31.
- Ekstedt, John W., Belleville, N. J., assignor to Westinghouse Lamp Company. Machine for making filamentary bodies. 1,670,499; May 22.
- Ekstein, Joseph, New York, N. Y. Toy. Des. 74,728; Mar. 20.
- Ekstein, Joseph, New York, N. Y. Wheeled toy. Des. 74,875; Apr. 10.
- Ekstein, Joseph, New York, assignor to L. Marx, Brooklyn, N. Y. Game. 1,656,272; Jan. 17.
- Ekstrom, Eric S., et al. (See Swenson, Carl E., assignor.)
- Ekstrom, Gustaf H., Rockford, assignor to C. P. Parker, trustee, Evanston, Ill. Rubbing machine. 1,666,256; Apr. 17.
- Ekvall, Arvid P., assignor to Economic Machinery Company, Worcester, Mass. Article feeding and propelling means for labeling machines and the like. 1,659,522; Feb. 14.
- Elbel, Donald, et al. (See Smith, Gerard C., assignor.)
- Elbert, Benjamin F., assignor to B. L. Elbert, Des Moines, Iowa. Cooking apparatus. 1,656,151; Jan. 17.
- Elbert, Bonnie L. (See Elbert, Benjamin F., assignor.)
- Elco Tool and Screw Corporation. (See Broberg, Elmer, assignor.)
- Elcoro, Emilio, Mexico, Mexico. Apparatus for bending steel sheets into spring leaves. 1,670,245; May 15.
- Eldec Company, The. (See Walker, Otto, assignor.)
- Elder, Earl B. (See Morrison, R. F., and Elder.)
- Elder, Flint C., Mount Lebanon, Pa. Making wire. 1,669,743; May 15.
- Elder, Harry H., Cleveland, Ohio. Tee for golf balls. 1,658,482; Feb. 7.
- Elder & Jenks. (See Reese, William, assignor.)
- Elder, John D., Rockville Center, assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Rack for drying ovens. 1,692,294; Nov. 20.
- Elder, John S., Grandfield, Okla. Cotton-chopping machine. 1,685,318; Sept. 25.
- Elder & Robinson. (See Cameron, Hugh M., assignor.)
- Elder, Shirley L., Huntington, W. Va. Scaffold. 1,669,329; May 8.
- Elderkin, James K., Montclair, assignor, by mesne assignments, to Forest Electric Corporation, Newark, N. J. Removable chemical rectifier. 1,689,819; Oct. 30.
- Eldon, Albert J. (See Roberts, F. T., and Eldon.)
- Eldon, Albert J., Mount Vernon, N. Y., assignor to Paramount Rubber Consolidated Inc., Tuckahoe, N. Y. Swimming ring. 1,659,248; Feb. 14.
- Eldred, Byron E., New York, N. Y. Photophonographic apparatus. 1,655,811; Jan. 10.
- Eldred, Byron E., Kensington, N. Y. Aiding audition. 1,678,564; July 24.
- Eldred, Byron E., New York, N. Y. Utilizing air waves for aural kinesitherapy. 1,678,565; July 24.
- Eldredge, Elmer E., Wilmette, assignor to Kraft-Phenix Cheese Company, Chicago, Ill. Preservation of cheese. 1,693,025; Nov. 27.
- Eldredge, Elmer E., Wilmette, assignor to Kraft Phenix Cheese Company, Chicago, Ill. Preservation of dairy products. 1,693,026; Nov. 27.
- Eldridge, Ida M., assignor of one-half to L. R. Hoefler, Los Angeles, Calif. Manicuring instrument. Des. 75,784; July 17.
- Eldridge, Robert B. (See McNally, Joseph C., assignor.)
- Eldridge, Walter J., Lenoir, Tenn., assignor to The Good-year Tire & Rubber Company, Akron, Ohio. Tensioning device for thread-winding machines. 1,662,003; Mar. 6.
- Electr Oil Syndicate. (See Morris, W. L., and Booth, assignors.)
- Electrad, Inc. (See Richter, Henry G., assignor.)
- Electrecorder Corporation. (See Cooney, Peter A., assignor.)
- Electrecorder Corporation. (See Hodge, Edward A., assignor.)
- Electric Auto-Lite Company, The. (See Davies, Henry R., assignor.)
- Electric Auto-Lite Company, The. (See Gilchrist, C. F., and Patterson, assignors.)
- Electric Auto-Lite Company, The. (See Wilbur, Samuel P., assignor.)
- Electric Auto-Lite Company, The. (See Wollenweber, Paul F., assignor.)
- Electric Boat Company. (See Nibbs, Ernest, assignor.)
- Electric Controller & Manufacturing Company, The. (See Hall, Jay H., assignor.)
- Electric Fireplace Manufacturing Company. (See Meany, D. N., and Ellsworth, assignors.)
- Electric Fruit Marking Co. (See Tarlton, Perle E., assignor.)
- Electric Furnace Company, The. (See Cope, Frank T., assignor.)
- Electric Holding Corporation. (See Dunlap, Roy O., assignor.)
- Electric Household Utilities Corporation. (See Hume, John T., assignor.)
- Electric Machinery Mfg. Company. (See Hibbard, Charles T., assignor.)
- Electric Manufacturing Company. (See Levy, Henri G.)
- Electric Manufacturing Company, The. (See Levy, Henri G., assignor.)
- Electric Outlet Company. (See White, Ernest C., assignor.)
- Electric Power Equipment Corporation. (See Dilks, John H., assignor.)
- Electric Railway Equipment Company, The. (See Cawood, Clarence A., assignor.)
- Electric Railway Equipment Company, The. (See Tice, Francis A., assignor.)
- Electric Railway Improvement Company, The. (See Caldwell, Charles A., assignor.)
- Electric Refractories Corp., The. (See Diamond, Grant S., assignor.)
- Electric Refrigeration Corporation. (See Hart, Wayne M., assignor.)
- Electric Refrigeration Corporation. (See Replogle, John R., assignor.)
- Electric Refrigeration Corporation. (See Spreen, Charles C., assignor.)
- Electric Refrigeration Corporation. (See Wasserfallen, Charles F., assignor.)
- Electric Refrigeration Corporation. (See Whittier, Harry L., assignor.)
- Electric Refrigeration Corporation. (See Whittier, W. H., and Leonard, assignors.)
- Electric Research Products Inc. (See Reynolds, John L., assignor.)
- Electric Service Supplies Company. (See McFarlin, John R., assignor.)
- Electric Service Supplies Company. (See Smith, William H., assignor.)
- Electric Storage Battery Company, The. (See Fraass, Albert, assignor.)
- Electric Storage Battery Company, The. (See Hampton, Harold J., assignor.)
- Electric Storage Battery Company, The. (See Stone, Walter B., assignor.)
- Electric Thermostatic Control Company, trustees of the. (See Goodhue, Julian G., assignor.)
- Electric Vacuum Cleaner Company. (See Lang, Henry T., assignor.)
- Electric Vacuum Cleaner Company. (See Morgal, John F., assignor.)
- Electric Vacuum Lawn Mower Company. (See Jones, George D., assignor.)
- Electric Water Sterilizer and Ozone Company. (See Hartman, Harry B. and F. E., assignors.)
- Electric Welding Company. (See Straub, James M., assignor.)
- Electrical Development & Machine Company. (See Stevenson, Robert R., assignor.)
- Electrical Engineers Equipment Company. (See Farrell, Fred, assignor.)

- Electrical Engineers' Equipment Company. (See Jacobs, Ernest H., assignor.)
- Electrical Engineers Equipment Company. (See Lotz, Alfred F. C., assignor.)
- Electrical Engineers Equipment Company. (See Steinmayer, Alvin G., assignor.)
- Electrical Furnace Company, The. (See Cope, Frank T., assignor.)
- Electrical Improvements Limited. (See Grant, Lewis C., assignor.)
- Electrical Improvements Limited. (See Porter, Graham L., assignor.)
- Electrical Improvements Limited. (See Weeks, Edmund G., assignor.)
- Electrical Research Laboratories. (See Wiggins, Edward J., assignor.)
- Electrical Research Products Inc. (See Reynolds, John L., assignor.)
- Electro Compound Company, The. (See Bedlovtz, Steven G., assignor.)
- Electro Dental Manufacturing Company. (See Albers, August W., assignor.)
- Electro Dental Manufacturing Company. (See Ginder, William H., assignor.)
- Electro Dental Manufacturing Company. (See Moore, Clarence W., assignor.)
- Electro Dental Manufacturing Company. (See Schramm, Adolph W., assignor.)
- Electro Manufacturing Company of America. (See Ginder, William H., assignor.)
- Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
- Electrograph Company, The. (See Murphy, Robert S., assignor.)
- Electroil Syndicate. (See Booth, William K., assignor.)
- Electrol, Inc. of Missouri. (See Duemler, V. E., and Koeln, assignors.)
- Electrol, Inc. of Missouri. (See Hann, Albert G., assignor.)
- Electrol, Inc. of Missouri. (See Scott, Lewis L., assignor.)
- Electrolock Manufacturing Company, The. (See Hemingway, Wilson, jr., assignor.)
- Electrolux Serval Corporation. (See Bäckström, Sigurd M., assignor.)
- Electrolux Serval Corporation. (See Lenning, Alvar, assignor.)
- Electrolux Serval Corporation. (See Munters, Carl G., assignor.)
- Electrolux Serval Corporation. (See von Platen, B. C., and Munters, assignors.)
- Electrolytic Zinc Company of Australasia Limited. (See Williams, R. T. D., and Ross, assignors.)
- Electromatic Appliance Corp. (See Culp, C. K., jr., Barker, and Sturgis, assignors.)
- Electro-Metallurgical Company. (See Becket, Frederick M., assignor.)
- Electro Metallurgical Company. (See Corson, Michael G., assignor.)
- Electro Metallurgical Company. (See Feild, Alexander L., assignor.)
- Electro Metallurgical Company. (See Mitchell, Walter M., assignor.)
- Electro Metallurgical Company. (See Read, William C., assignor.)
- Electro-Motive Devices, Inc. (See Asprooth, A. H., and Leoni, assignors.)
- Electro-Motive Devices, Inc. (See Leoni, A. M., and Asprooth, assignors.)
- Electropure Corporation. (See Templeton, John O., assignor.)
- Electro Thermostatic Control Company. (See Goodhue, J. G., and Sauvage, assignors.)
- Electro Thermostatic Control Company. (See Sauvage, Herbert J., assignor.)
- Electro-Tel-It Manufacturing Company. (See Gage, Jay, assignor.)
- Elektrizitäts-Gesellschaft, Richter, Dr. Weil & Co., Aktiengesellschaft. (See Werner, Georg, assignor.)
- Elektrizitäts-Gesellschaft "Sanitas" m. b. H. (See Pfeiffer, Adolf, assignor.)
- Elektrizitätswerk Lonza. (See Lüscher, E., and Steiger, assignors.)
- Elektromatik Forging Machine Corporation. (See Dannel, Arthur G., assignor.)
- Elevator Company of America. (See Rice, Joseph, assignor.)
- Elevator Supplies Company. (See Bassett, Cyrus W., assignor.)
- Elevator Supplies Company. (See Crowell, William B., assignor.)
- Elevator Supplies Company. (See Cypser, Rugo F., assignor.)
- Elevator Supplies Company. (See Finnegan, Martin J., assignor.)
- Elevator Supplies Company. (See Lighthipe, Kenneth D., assignor.)
- Elevator Supplies Company. (See Shonnard, Harold W., assignor.)
- Elevator Supplies Company. (See Ungerer, H. L., and Hughes, assignors.)
- Eley, Forrest W., Newark, Ohio, assignor, by mesne assignments, to Anglo-California Trust Company. Improving mineral oils. 1,683,288; Sept. 4.
- Elfein, Frederick C., et al. (See Meyer, Adolph, assignor.)
- Elfein, Fred'k, & Sons, Incorporated. (See Meyer, Adolph, assignor.)
- Elfein, Harry A., et al. (See Meyer, Adolph, assignor.)
- Elfvig, Hemming A., Hango, assignor to Finsk-Engelska Biscuit-Fabriks A. B., Hango-Vaxel, Finland. Apparatus for stacking biscuits and similar articles. 1,685,354; Sept. 25.
- Elger, Joseph C., Pittsfield, Mass. Aeroplane. 1,684,087; Sept. 11.
- Elgin Clock Company, The. (See Van Sicklen, Norton H., jr., assignor.)
- Elgin Street Sweeper Company. (See Sargent, Charles E., assignor.)
- Elias, Thomas. (See Dunn, Walter F., assignor.)
- Eliason, Sid H., Portland, Oreg. Projection apparatus. 1,682,326; Aug. 28.
- Eliasson, Tage E., Stockholm, Sweden. Machine for book-keeping and the like. 1,670,027; May 15.
- Elio, Rocco. (See Maehren, George, assignor.)
- Elkhart Brass Manufacturing Company. (See Hansen, Edward H., assignor.)
- Elkington, Vivian, St. Margarets Bay, England. Apparatus for supplying a current of heated air or gas. 1,683,028; Sept. 4.
- Elkins, Albert J., Coral, Mich. Marl-digging machine. 1,679,118; July 31.
- Elkins, Henry O., Bath, N. Y. Collapsible container. 1,663,649; Mar. 27.
- Elkon Works, Inc. (See Shoemaker, Harry, assignor.)
- Elkon Works, Inc. (See Weiger, Joseph A., assignor.)
- Ellar, Oliver P., Lawrenceville, Ill. Patch camp for pipe. 1,677,623; July 17.
- Eller, John. (See Eller, Piroška and J.)
- Eller, Lou C., Spokane, Wash., assignor to Lockit Cap Company. Tank-riser closure. 1,696,754; Dec. 25.
- Eller, Piroška and J., New York, N. Y. Safety device for aeroplanes. 1,691,709; Nov. 13.
- Ellerbeck, Ben B., Salt Lake City, Utah. Hanger. 1,686,655; Oct. 9.
- Ellerlinton, William H., Naples, N. Y. Reclaiming process for used crank-case oil. 1,662,701; Mar. 13.
- Ellertsen, Nils A., and C. R. Makela, Hancock, Mich. Paper-bag holder. 1,657,074; Jan. 24.
- Ellery, Robert L., Toledo, Ohio. Window controller. 1,655,052; Jan. 3.
- Ellery, Robert L., Toledo, Ohio. Pressing glass. 1,673,108; June 12.
- Ellery, Robert L., Toledo, Ohio. Battery plate. 1,687,752; Oct. 16.
- Ellett, Richard E., London, England. Toy animal. Des. 75,481; June 12.
- Ellett, Richard E., London, England. Toy animal. Des. 76,610; Oct. 16.
- Ellingham, Robert W. (See Fleming, G. W., and Ellingham.)
- Ellington, Ferdinand W., Jamaica, N. Y. Finishing leather. 1,664,742; Apr. 3.
- Elliott, William S., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Brush-stamping machine. 1,671,982; June 5.
- Elliott, William S., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Shifting device for positioning mechanism for brush machines. 1,676,640; July 10.
- Elliott, William S., and G. E. Lindgren, assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass. Handle-feeding mechanism for brush machines. 1,676,639; July 10.
- Elliott, William S., and W. Noble, assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass. Brush-making machine. 1,677,672; July 17.
- Elliott Addressing Machine Company. (See Geiger, Erwin A. and A., assignors.)
- Elliott Addressing Machine Company. (See Geiger, E. A., Schraegle, and Jennings, assignors.)
- Elliott, Albert L. (See Heiner, L. K., and Moore, assignors.)
- Elliott, Alexander, Los Angeles, Calif. Recovering copper from its ores. 1,681,528; Aug. 21.
- Elliott Company. (See Ehrhart, Raymond N., assignor.)
- Elliott Company. (See Rodgers, James P., assignor.)
- Elliott Core Drilling Company. (See Grainger, Reid B., assignor.)
- Elliott Core Drilling Company. (See Merritt, Floyd C., assignor.)
- Elliott, Dwight A., Richmond, Ind. Ventilator. 1,665,130; Apr. 3.
- Elliott, Edward O. (See Burkhardt, C. C. C., and Elliott.)
- Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
- Elliott-Fisher Company. (See Greis, Frederick A., assignor.)
- Elliott-Fisher Company. (See Jensen, Alfred, assignor.)
- Elliott-Fisher Company. (See Julihn, Louis G., assignor.)
- Elliott-Fisher Company. (See Lentz, Lawrence E., assignor.)
- Elliott-Fisher Company. (See Pitman, Henry L., assignor.)
- Elliott-Fisher Company. (See Thieme, Otto, assignor.)
- Elliott-Fisher Company. (See Vickers, Harry H., assignor.)
- Elliott-Fisher Company, The. (See Walter, Edward C., assignor.)
- Elliott, Frederick D., Seattle, Wash. Retaining clip. 1,680,601; Aug. 14.
- Elliott, George A., New London, Iowa. Detachable sign. 1,689,070; Oct. 23.

- Elliott, Grant C., Wilmington, N. C. Coaster. 1,622,146; Mar. 13.
- Elliott, Harmon, P., Watertown, Mass. Stencil printing system and apparatus. 1,662,964; Mar. 20.
- Elliott, Harmon P., Watertown, Mass. Addressing machine. 1,694,619; Dec. 11.
- Elliott, Harold E. (See Gouldbourn, J., Cooper, and Elliott.)
- Elliott, Harry D. (See Glass, P. R., and Elliott.)
- Elliott, Henry, Glasgow, Scotland. Apparatus for storing and displaying linoleum and like materials. 1,661,932; Mar. 6.
- Elliott, Henry L. and R. A. Carroll, Claysville, Pa. Internal-combustion engine. 1,696,475; Dec. 25.
- Elliott, Irwin. (See Williams, Robert W. and H. R., and Elliott.)
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Cleaner drum for cotton-gin feeders. 1,656,432; Jan. 17.
- Elliott, Thomas, Birmingham, Ala., assignor to The Cincinnati Car Company, Cincinnati, Ohio. Bolster-spring-suspension mechanism. 1,659,089; Feb. 14.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Steel-bound press for baling cotton. 1,659,865; Feb. 21.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Belt tightener. 1,673,555; June 12.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Gin-breast lift. 1,680,140; Aug. 7.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Lock for cotton-press doors. 1,686,744; Oct. 9.
- Elliott, Thomas, Birmingham, Ala., assignor to Continental Gin Company. Control mechanism for cotton-gin seeders. 1,688,616; Oct. 23.
- Elliott, Thomas, Cincinnati, assignor to The Cincinnati Car Company, Winton Place, Ohio. Railway car. 1,668,765; May 8.
- Elliott, W. H. (See Howell, Harry H., assignor.)
- Elliott, Walton H., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Pipe-cleaning apparatus. 1,692,028; Nov. 20.
- Elliott, William S. (See Berquist, Hugo, assignor.)
- Ellis, Ada M., Oakland, Calif. Reading stand. 1,686,443; Oct. 2.
- Ellis Adding Typewriter Company. (See Bernau, Frederick W., assignor.)
- Ellis Adding Typewriter Company. (See Ens, Emil J., assignor.)
- Ellis Adding Typewriter Company. (See Perkins, N. W., and Ens, assignors.)
- Ellis, Alfred G., Hale, England, assignor to Westinghouse Electric & Manufacturing Company. Electrical transformer. 1,685,946; Oct. 2.
- Ellis, Alva K., and R. Henry, Duncan, Okla. Device for removing mechanical elements from shafts, etc. 1,688,535; Oct. 23.
- Ellis, Alvarado L. R., Swampscott, Mass., assignor to General Electric Company. Driving mechanism. 1,672,677; June 5.
- Ellis, Alvarado L. R., Swampscott, Mass., assignor to General Electric Company. Piezo-electric device. 1,688,694; Oct. 23.
- Ellis, Alvarado L. R., Swampscott, and C. W. Greene, Lynn, Mass., assignors to General Electric Company. Control of ordnance. 1,687,551; Oct. 16.
- Ellis, Carleton, Montclair, N. J. Coating and impregnating medium. 1,663,160; Mar. 20.
- Ellis, Carleton, Montclair, N. J. Quality of sulphur. 1,676,604; July 10.
- Ellis, Carleton, Montclair, N. J. Soluble and fusible white acetone resin and making same. 1,683,535; Sept. 4.
- Ellis, Carleton, Montclair, N. J. Resinous composition containing sulphur and making same. 1,690,160; Nov. 6.
- Ellis, Carleton, Montclair, N. J. Sulphur product and making same. 1,690,335; Nov. 6.
- Ellis, Carleton, Montclair, N. J. Resinous material and making same. 1,691,271; Nov. 13.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Amylaceous molded product and making same. 1,664,600; Apr. 3.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Cassava-starch plastic composition and molding same. 1,664,601; Apr. 3.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making sulphur-containing plastics. 1,665,186; Apr. 3.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Streak-ribbed product and making same. 1,685,355; Sept. 25.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Chemical product and making the same. 1,695,636; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Cement. 1,695,637; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Coating composition and making same. 1,695,638; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Liquid composition containing chlorinated rubber. 1,695,639; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Chlorinated rubber composition containing linseed oil. 1,695,640; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Stabilized chlorinated rubber. 1,695,641; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Varnish. 1,695,642; Dec. 18.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Artificial fiber and making same. 1,695,643; Dec. 18.
- Ellis, Carleton, and V. T. Stewart, Montclair, N. J., assignors to Chadeloid Chemical Company, New York, N. Y. Making arsenate of lime. 1,690,627; Nov. 6.
- Ellis, Carleton, and V. T. Stewart, Montclair, N. J., assignors to Chadeloid Chemical Company, New York, N. Y. Making arsenates. 1,690,628; Nov. 6.
- Ellis, Carleton, and H. M. Weber, Montclair, N. J.; said Ellis assignor to Ellis-Foster Company. Apparatus for treating films. 1,668,952; May 8.
- Ellis, Carleton, Montclair, and H. M. Weber, Bloomfield, N. J., assignors to Ellis-Foster Company. Treating films. 1,669,394; May 8.
- Ellis, Ervin R., Washington, D. C., assignor of three-fifths to Goldberg Brothers Company, Inc., Richmond, Va. Display stand. Des. 76,672; Oct. 23.
- Ellis-Foster Company. (See Ellis, Carleton, assignor.)
- Ellis-Foster Company. (See Ellis, C., and Weber, assignors.)
- Ellis-Foster Company. (See Weber, Harry M., assignor.)
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of fabrics. 1,686,149; Oct. 2.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment of cellulose acetate. 1,694,413; Dec. 11.
- Ellis, George H., Spondon, near Derby, England, assignor to Celanese Corporation of America. Dyeing, printing, or stenciling of cellulose. 1,694,414; Dec. 11.
- Ellis, George H., St. Paul, Minn. Apparatus for making composition boards or sheets. 1,672,249; June 5.
- Ellis, George H., and W. O. Goldthorpe, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyeing, printing, or stenciling of acetyl cellulose or products made therewith. 1,690,481; Nov. 6.
- Ellis, George H., H. C. Olpin, and W. B. Miller, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of cellulose derivatives. 1,679,935; Aug. 7.
- Ellis, Henry A., assignor to The British Drug Houses, Limited, London, England. Apparatus for comparing the color of liquids by reflected and transmitted light. 1,667,249; Apr. 24.
- Ellis, Horace R., Meadville, Pa. Side extension for window screens. 1,696,081; Dec. 18.
- Ellis, Howard G. (See Glidden, A. A., Ellis, and Davis.)
- Ellis, Howard G., Waltham, and H. A. Mathis, assignors to Hood Rubber Company, Watertown, Mass. Cement-applying machine. 1,682,494; Aug. 28.
- Ellis, Hubert C. and N. C., Evanston, Ill. Ironing machine. 1,689,015; Oct. 23.
- Ellis, James V., London, England. Apparatus for treatment of steel ingots. 1,657,350; Jan. 24.
- Ellis, John H., Vancouver, British Columbia, Canada. Buck for clothes-pressing machines. 1,695,760; Dec. 18.
- Ellis, John R., Memphis, Tenn. Brick-course gauge. 1,693,227; Nov. 27.
- Ellis, Laurence V., New York, N. Y. Dry-cell battery. 1,676,945; July 10.
- Ellis Manufacturing Company, The. (See Crago, Edward C., assignor.)
- Ellis, Missouri, Chicago, Ill. Refrigerator. 1,690,060; Oct. 30.
- Ellis, Norman C. (See Ellis, Hubert C. and N. C.)
- Ellis, Oscar A., San Francisco, Calif. Grip wheel. 1,663,689; Mar. 27.
- Ellis, Oscar A., San Francisco, Calif. Elevated suspended railway. 1,663,690; Mar. 27.
- Ellis, Raymond G., Snoqualmie, Wash. Vehicle brake. 1,665,538; Apr. 10.
- Ellis, Ridsdale, Oak Park, Ill. Flotation process. 1,657,666; Jan. 31.
- Ellis, Robert E., assignor to E. Ames, Seattle, Wash. Scow. 1,661,529; Mar. 6.
- Ellis, Russell S., Philadelphia, Pa. Concrete structure. 1,658,433; Feb. 7.
- Ellis, Russell S., Philadelphia, Pa. Concrete column. 1,672,974; June 12.
- Ellis, Russell S., Philadelphia, Pa. Concrete lamp stand. 1,678,500; July 24.
- Ellis, Russell S., Philadelphia, Pa. Concrete structure. 1,686,738; Oct. 9.
- Ellis, Warren E., Haverhill, Mass., and H. R. Geiger, Bronxville, N. Y.; said Ellis assignor to said Geiger. Shaft coupling. 1,658,786; Feb. 7.
- Ellis, Wilson R., Berkeley, Calif. Agitator. 1,678,425; July 24.
- Ellis, Zachary T., Duncan, Okla. Knockdown tank. 1,693,695; Dec. 4.
- Ellison Bronze Company. (See Ellison, Edward H., assignor.)
- Ellison, Carl E., assignor to Aktiebolaget Manus, Norrköping, Sweden. Teat cup. 1,657,667; Jan. 31.

- Ellison, Edward H., Jamestown, N. Y. Drawer pull. 1,690,602; Aug. 14.
- Ellison, Edward H., Jamestown, assignor to Ellison Bronze Company, Inc., Falconer, N. Y. Casement window. 1,670,441; May 22.
- Ellison, Edward H., Jamestown, assignor to Austral Window Company, New York, N. Y. Balance arm for windows. 1,681,931; Aug. 28.
- Ellison, Edward H., Jamestown, assignor to Austral Window Company, New York, N. Y. Manufacturing balance arms for windows. 1,681,932; Aug. 28.
- Ellison, Edward H., Jamestown, N. Y., assignor to Ellison Bronze Company, Inc., Falconer, N. Y. Ventilator. 1,683,820; Sept. 11.
- Ellison, Forrest L., assignor of one-half to F. B. Redman, Exeter, N. H. McKay-sewed welt shoes and making the same. 1,669,160; May 8.
- Ellman, Walton, North Branch, N. Y. Chicken feeder and supporting frame. 1,655,691; Jan. 10.
- Ellsworth, Edward N. (See Meany, D. N., and Ellsworth.)
- Ellsworth, Henry E., assignor to The Ensign-Bickford Co., Simsbury, Conn. Thread-winding machine. 1,673,815; June 19.
- Ellsworth, Ross J., assignor to Holmes Disappearing Bed Company, Woodstock, Ill. Safety lock. 1,695,184; Dec. 11.
- Ellwood, Charles D., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,688,862; Oct. 23.
- Ellyson, Frederick W., Munich, Germany. Water heater and steam generator. 1,657,202; Jan. 24.
- Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic core. 1,669,653; May 15.
- Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,675,884; July 3.
- Elmen, Gustaf W., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer. 1,681,573; Aug. 21.
- Elmen, Gustaf W., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Production of magnetic dust cores. 1,695,041; Dec. 11.
- Elmendorf, Armin. (See Munroe, T. B., and Elmendorf.)
- Elmore, Charles F., assignor to Gaw-O'Hara Envelope Company, Chicago, Ill. Mailing container for pencils and other articles. 1,679,897; Aug. 7.
- Elmwall, Gustave W., New York, N. Y. Lock. 1,656,699; Jan. 17.
- Elnain, Ida, née Nassau, Berlin-Schöneberg, Germany. Liquid-dispensing device. 1,660,085; Feb. 21.
- Elöd, Egon, Karlsruhe, assignor to Firm of Rudolph Koepf & Co., Oestrich-on the Rhine, Germany. Weighting silk. 1,674,356; June 19.
- Elofson, John S., Hasty, Minn. Milk pail. 1,667,776; May 1.
- El Paso Sash & Door Company. (See Trammell, Earl M., assignor.)
- Elrick Rotating Engine Company. (See Elrick, William, assignor.)
- Elrick, William, assignor to Elrick Rotating Engine Company, Limited, Toronto, Ontario, Canada. Rotary engine. 1,694,587; Dec. 11.
- Elrod, Henry E., Santa Monica, Calif. Direction indicator. 1,693,918; Dec. 4.
- Elsas, Louis J., and E. M. Jones, Atlanta, Ga.; said Jones assignor to said Elsas. Automatic control for sheet-material-handling machinery. 1,693,272; Nov. 27.
- Else, Harry D., Canton, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Ironing-machine driving mechanism. 1,669,607; May 15.
- Else, Harry D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,673,556; June 12.
- Else, Harry D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Washing-machine wringer. 1,680,413; Aug. 14.
- Else, Harry D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic control for ironing machines. 1,685,947; Oct. 2.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,661,362; Mar. 6.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature-assembling apparatus. 1,661,363; Mar. 6.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Connecting the operating members of vehicle rebound checks with vehicle parts. 1,679,414; Aug. 7.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Machine for bending armature conductors. 1,690,336; Nov. 6.
- Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Machine for testing shock absorbers. 1,694,005; Dec. 4.
- Elsner, Henry L., Detroit, Mich. Pump. 1,692,639; Nov. 20.
- Elsner, Oskar, Weipert, Czechoslovakia, and O. Kühling, Markersdorf, assignors of nine-tenths to the firm: G. F. Grosser, Markersdorf, Chemnitz, Germany. Cop-winding machine. 1,668,495; May 1.
- Elson, Milo, Toddville, Iowa. Wagon-end-gate seat. 1,662,494; Mar. 13.
- Elston, Frederick R., assignor to B. F. Miller, Philadelphia, Pa. Woven material. 1,690,776; Nov. 6.
- Elsworth, Frank H., Montclair, N. J. Hatchery for marine life. 1,660,259; Feb. 21.
- Elto Outboard Motor Company. (See Evinrude, Ole, assignor.)
- Elton, Murray S., and G. E. Barnhart, Pasadena, Calif.; said Elton assignor to said Barnhart. Circuit closer for fluid level indicating devices. 1,657,794; Jan. 31.
- Elwell-Parker Electric Company, The. (See Abbe, Edward J., assignor.)
- Elwell-Parker Electric Company, The. (See Goldrick, Albert R., assignor.)
- Elwood, Ward P., assignor to Union Machinery Company, Joliet, Ill. Rounder for plastic material. 1,661,792; Mar. 6.
- Ely, Alonzo B., Groton, assignor, by mesne assignments, to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,692,890; Nov. 27.
- Ely, Alonzo B., and E. L. Harmon, Groton, assignors, by mesne assignments, to L. C. Smith & Corona Typewriting Inc., Syracuse, N. Y. Typewriting machine. 1,696,227; Dec. 25.
- Ely, Alonzo B., and E. L. Harmon, Groton, assignors, by mesne assignments, to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 1,696,228; Dec. 25.
- Ely, Hiram B., United States Army, Philadelphia, Pa. Sound-locating apparatus. 1,686,904; Oct. 9.
- Ely & Walker Dry Goods Company. (See Wright, Clair G., assignor.)
- Elyria Iron and Steel Company, The. (See Smith, Anthony R., assignor.)
- Elyria Iron and Steel Company, The. (See Sussman, Maxwell H., assignor.)
- Elze, Walter C. (See Gerdes, H. T., and Elze.)
- Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Atomizing nozzle. 1,655,222; Jan. 3.
- Elze, Walter C., Forest Hills, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Forge. 1,673,557; June 12.
- Elzemeyer, Ernst H., assignor to American Pulverizer Company, St. Louis, Mo. Pulverizing machine. 1,666,124; Apr. 17.
- Emanuel, B. D., trustee. (See Six, Walter J., assignor.)
- Emanuel, Walter H. A., Fairchild, Wis. Fly swatter. 1,685,990; Oct. 2.
- Emanuelli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. High-tension electric cable. 1,662,107; Mar. 13.
- Emanuelli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Multiple-conductor high-tension cable. 1,663,878; Mar. 27.
- Embossing Company, The. (See Graham, Tom C., assignor.)
- Embossing Company, The. (See Rutherford, John, assignor.)
- Embrey, Edwin L., Springfield, Mo. Adjustable window jack. 1,679,961; Aug. 7.
- Embrey, John W., Little Rock, Ark. Permanently straightening kinky hair. 1,671,857; May 29.
- Embry, Harry W., Louisville, Ky., assignor to General Box Company, Chicago, Ill. Box cleat. 1,657,668; Jan. 31.
- Emby, L. D., et al. (See Le Bus, John E., assignor.)
- Embury, William C., Warsaw, N. Y. Flash-light standard. 1,658,188; Feb. 7.
- Embury, William C., Warsaw, N. Y. Flash-light standard. 1,658,189; Feb. 7.
- Emens, Albert L., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity meter. 1,664,672; Apr. 3.
- Emens, Albert L., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity meter. 1,664,673; Apr. 3.
- Emeott, Harry D., St. Paul, Minn. Arch support. 1,685,155; Sept. 25.
- Emerick, Vincent C. (See Brophy, James H., assignor.)
- Emerson, Dean, and J. M. Keith, Detroit, Mich. Attachment for tractor wheels. 1,673,816; June 19.
- Emerson-Brantingham Corporation. (See Dickinson, Harry S., assignor.)
- Emerson, Dean A., assignor to The Star Pin Company, Derby, Conn. Display carton. 1,666,691; Apr. 17.
- Emerson, Edwin L., Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Electric water heater. 1,655,413; Jan. 10.
- Emerson Electric Mfg. Co., The. (See Finch, Herbert I., assignor.)
- Emerson Electric Mfg. Co., The. (See Janca, Joseph J., assignor.)
- Emerson Electric Mfg. Co., The. (See Parker, King L., assignor.)
- Emerson, Frederic M., assignor to Emerson & Norris Company, Boston, Mass. Artificial cast stone and producing the same. 1,681,727; Aug. 21.
- Emerson, George H., Baltimore, Md. Feed-water heater for locomotives. 1,660,261; Feb. 21.
- Emerson, George H., and O. C. Cromwell, Baltimore, Md. Fire box for locomotive boilers. 1,656,475; Jan. 17.

- Emerson, George H., and O. C. Cromwell, Baltimore, Md. Water-tube lire box for locomotive boilers. 1,687,197; Oct. 9.
- Emerson, Grover C., Ooltewah, Tenn. Cotton planter. 1,670,883; May 22.
- Emerson, John C. (See Page, N. L. B., and Emerson.)
- Emerson, Leo F. (See Strand, Harry L., assignor.)
- Emerson & Norris Company. (See Emerson, Frederic M., assignor.)
- Emerson, Robert L., Washington, D. C. Making a coffee infusion. 1,674,857; June 26.
- Emerson, S. Ray. (See Roper, Robert W. and E. B., and Emerson.)
- Emerson, Warren M., Chicago, Ill., assignor, by mesne assignments, to Certain-teed Products Corporation. Insulating material. 1,687,285; Oct. 9.
- Emerson, William F. (See Deuel, Albert F., assignor.)
- Emert, Charles S., Peoria, Ill. Tamping machine. 1,662,380; Mar. 13.
- Emery, Arthur J., Selinsgrove, Pa. Bottle cap. 1,655,314; Jan. 3.
- Emery, I. C., assignor to Chapman Self Locking Nut Company, Baltimore, Md., trustees of a common-law-trust estate. Apparatus for making lock-nut blanks. 1,696,672; Dec. 25.
- Emery, Plato G., Chicago, Ill. Curtain fixture. 1,686,739; Oct. 9.
- Emmel, Karl, and H. Walbert, Mulhelm-Ruhr, Germany; said Walbert assignor to said Emmel. Production of iron castings with a low carbon content. 1,683,714; Sept. 11.
- Emmert, John R., and J. J. Pozdro, Chicago, Ill., assignors to Emil J. Pajdar Co. Automatic adjustable foot rest. 1,689,197; Oct. 30.
- Emmes, William T., Cincinnati, Ohio. Reversing and braking mechanism for machine tools. 1,680,141; Aug. 7.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Ship propulsion system. 1,680,209; Aug. 7.
- Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company, Syracuse, N. Y. Abrading machine. 1,695,090; Dec. 11.
- Emmons, Claude E., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Testing device. 1,656,513; Jan. 17.
- Emmons, Ira C., Hardwick, Minn. Cultivator attachment. 1,659,090; Feb. 14.
- Emmons, William W., Newark, N. J. Sleeve terminal box for electric cables. 1,680,940; Aug. 14.
- Emons, Ernest E., assignor of one-half to R. E. Hillier, Akron, Ohio. Spectacles. 1,685,192; Sept. 25.
- Empire Thresher Co. (See Shanks, John N., assignor.)
- Emseo Derrick and Equipment Company. (See Harris, Ford W., assignor.)
- EmSCO Steel Products Company. (See Bennett, Edwin O., assignor.)
- Enamel Products Company, The. (See Allen, Floyd P., assignor.)
- Ender, Lewis W., Fountain City, Wis. Envelope opener. 1,667,659; Apr. 24.
- Enderick, Winfield S. (See Fiegel, W. J., and Enderick.)
- Endert, Dirk C., Jr. (See Mulder, J., and Endert.)
- Endicott Johnson Corporation. (See Cox, P., and McPartland, assignors.)
- Endicott Johnson Corporation. (See Frey, Clarence W., assignor.)
- Endorf, Charles, Chicago, Ill. Electric heating vessel. 1,689,915; Oct. 30.
- Endrezze, William E., Butte, Mont. Circular-packing cutter. 1,661,136; Feb. 28.
- Endsley, Louis E., assignor to Verona Tool Works, Pittsburgh, Pa. Rail-joint spring. 1,684,619; Sept. 18.
- Endter, Waldemar A., Long Beach, Calif. Carton-vending device. 1,664,164; Mar. 27.
- Engalitcheff, Cyrill, Baltimore, Md. Sanitary seat cover. 1,673,622; June 12.
- Engbrecht, Herman J., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Cleansing means for liquid receivers. 1,655,859; Jan. 10.
- Engbrecht, Herman J., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Grease-charging apparatus. 1,658,483; Feb. 7.
- Engbrecht, Herman J., assignor to Standard Oil Company, Chicago, Ill. Grease-charging apparatus. 1,694,096; Dec. 4.
- Engbrechtsen, Ragnvald, Brooklyn, N. Y. Antenna. 1,688,229; Oct. 16.
- Engel, Albert W., Chicago, Ill. Easel. 1,682,837; Sept. 4.
- Engel, Frank and J., Syracuse, N. Y. Oil burner. 1,688,806; Oct. 23.
- Engel, George. (See Davis, C. E., and Engel.)
- Engel, Joseph, assignor to Superold Manufacturing Company, Incorporated, Brooklyn, N. Y. Lens mounting. 1,663,402; Mar. 20.
- Engel, Julius. (See Engel, Frank and J.)
- Engel, Levi E., Elbe, Wash. Vehicle jack. 1,660,603; Feb. 28.
- Engel, Paul H. (See Merselcs, H. E., Simmons, and Engel.)
- Engel, Philip C., Minneapolis, Minn. Pie plate. Des. 75,723; July 10.
- Engel, Theodore J., Woodside, assignor to Western Electric Company, Incorporated, New York, N. Y. Talking motion picture. 1,654,926; Jan. 3.
- Engel, Walter S. (See Bailey, F., and Engel.)
- Engelbart, Christian C., Rochester, Minn. Drainage device for window screens. 1,681,846; Aug. 21.
- Engelberg, Arthur, Oakland, Calif. Telephone-call recorder. 1,672,517; June 5.
- Engelbert, Henry, Beloit, Kans. Air chuck. 1,672,755; June 5.
- Engelbrektson, Olof, Bogen, Sweden. Structure for drying wood. 1,693,777; Dec. 4.
- Engelhardt, Georg, Cassel, Germany. Foot-arch-measuring device. 1,660,326; Feb. 28.
- Engelhardt, William B. (See Trenwith, William T., assignor.)
- Engel-Kron, George M., New York, N. Y., and S. Trey, Stamford, Conn. Hand bag. 1,677,142; July 17.
- Engelman, Joseph J. (See Hodgson, W. W., and Engelman.)
- Engeln Electric Company, The. (See Goldfield, E. R., and Horsley, assignors.)
- Engels, Eugene O., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Safety device for gas-firing systems. 1,686,965; Oct. 9.
- Engineer Company, The. (See McLean, Embury, assignor.)
- Engineering Development Company. (See Johnsen, Elmer A., assignor.)
- Engineering Products Corporation. (See Boyle, William E., assignor.)
- Engineering Products Corporation, Inc. (See Boyle, W. E., and Searing, assignors.)
- Engineering Products Corporation. (See Searing, H. R., and Williams, assignors.)
- Engineering Specialties Company. (See Replogle, Delbert E., assignor.)
- Engl, Josef, Grunewald, Berlin, Germany. Holding device. 1,688,008; Oct. 16.
- England, Eric C. G., London, England. Motor vehicle. 1,666,814; Apr. 17.
- England, Eric C. G., London, England. Motor vehicle. 1,666,815; Apr. 17.
- England, James C., Dillsboro, N. C. Clutch. 1,661,172; Mar. 6.
- Engle, Edgar S., and S. Davis, Greensburg, Pa. Cloth-cutting and button-removing machine. 1,673,502; June 12.
- Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Non-aqueous electrolytic condenser. 1,672,714; June 5.
- Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Rectifier electrolyte. 1,680,210; Aug. 7.
- Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Rectifier electrode. 1,686,316; Oct. 2.
- Engle, Edgar W., Lake Forest, and E. W. Lincoln, Chicago, assignors to Fansteel Products Company, Inc., North Chicago, Ill. Voltage regulator. 1,686,905; Oct. 9.
- Engle, Edgar W., Lake Forest, and H. L. Olesen, Highland Park, assignors to Fansteel Products Company, Inc., North Chicago, Ill. Filament-voltage regulator. 1,687,474; Oct. 9.
- Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Vacuum tube. 1,688,499; Oct. 23.
- Engle, Frank G., New York, N. Y. Head lamp. 1,664,405; Apr. 3.
- Engle, Lillian K., Lansdowne, Pa. Fastening and supporting device. 1,674,894; June 26.
- Englehart, Thomas C., Urbana, Ohio. Swimming device. 1,655,762; Jan. 10.
- Engler, Walter N. (See Mobius, C. E., and Engler.)
- English, Analdo M., Brookline, assignor to Cynthia Mills, East Boston, Mass. Package-banding machine. 1,677,587; July 17.
- English, Earl L., Chicago, Ill. Mute for musical instruments. 1,671,818; May 29.
- English Electric Company, The. (See Calverley, J. E., and Highfield, assignors.)
- English Electric Company, The. (See Seewer, Paul W., assignor.)
- English Electric Company Limited, The. (See Calverley, J. E., and Highfield, assignors.)
- English, Fred S., New London, Conn. Sheet-handling device for presses. 1,657,203; Jan. 24.
- English, Fred S., New London, Conn. Cutting and creasing press. 1,682,609; Aug. 28.
- English, Fred S., New London, Conn. Folding feed table for presses. 1,682,668; Aug. 28.
- English, Fred S., and T. L. Perry, New London, Conn., assignors to The Babcock Printing Press Manufacturing Company. Gripper-tensioning mechanism for presses. 1,687,753; Oct. 16.
- English, Fred S., New London, Conn. Ink-regulating mechanism for extended-delivery devices of printing presses. 1,691,054; Nov. 13.
- English, Joseph H. (See Prince, G. W., and English.)
- English & Mersick Co., The. (See Kaimar, Richard V., assignor.)
- English, William E. (See Hannan, J. R., and English.)
- Engman, Louis, Moline, Ill. Grinding tool. 1,693,778; Dec. 4.
- Enquist, John, Minneapolis, Minn. Combination chair and telephone stand. 1,655,860; Jan. 10.
- Engravers & Printers Machinery Company. (See Donovan, William J., assignor.)

- Engravograph Corporation, The. (See McKeown, S. C., and Bruckner, assignors.)
- Engnsberg, Ralph W., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Measured-service telephone system. 1,688,617; Oct. 23.
- Engstrom, August, Chicago, Ill. Cigar mouthpiece. 1,672,934; June 12.
- Engstrom, Dag A., Stockholm, Sweden. Card register. 1,666,125; Apr. 17.
- Engstrom, Elmer W., Schenectady, N. Y., assignor to General Electric Company. Telegraphic transmitter. 1,674,505; June 19.
- Engstrom, Gustaf W., (See French, C. A., and Engstrom.)
- Engstrom, Gustaf W., Riverside, assignor to International Harvester Company, Chicago, Ill. Tractor. 1,685,279; Sept. 25.
- Engstrom, Henry O. (See Hammerstrom, O., and Engstrom.)
- Enloe, Thomas B., Little Rock, Ark. Toy. 1,696,532; Dec. 25.
- Enna, Ernest F. H., Copenhagen, Denmark. Buffing machine. 1,656,182; Jan. 17.
- Enney, Frank D., Charleston, W. Va. Conveying apparatus. 1,659,316; Feb. 14.
- Ennis, George H., New York, N. Y. Paper fastener. 1,688,536; Oct. 23.
- Ennis, Joseph B. (See Bruce, A. W., and Ennis.)
- Enochen, Erling B. (See Wild, Wessels, and Enochen.)
- Enos, Alexander, Seattle, Wash. Permutation lock. 1,682,171; Aug. 28.
- Enright, John W., New Orleans, La. Fuel injector for internal-combustion engines. 1,679,818; Aug. 7.
- Ens, Emil J. (See Perkins, N. W., and Ens.)
- Ens, Emil J., assignor to Ellis Adding Typewriter Company, Newark, N. J. Selective multiple tabulating stop. 1,681,472; Aug. 21.
- Ens Dorf, Walter, New York, N. Y., and J. Sandberg, Elizabeth, N. J. Electric soldering iron. 1,667,250; Apr. 24.
- Ensign-Bickford Co., The. (See Ellsworth, Henry E., assignor.)
- Ensign Carburetor Company. (See Ensign, Orville H., assignor.)
- Ensign Carburetor Company. (See Ensign, Roy F., assignor.)
- Ensign Carburetor Company. (See Hart, Robert E., assignor.)
- Ensign, Emory S., assignor to National Refrigerating Company, New Haven, Conn. Control system for refrigerating apparatus. 1,662,965; Mar. 20.
- Ensign, Henry B. (See Clade, R., and Ensign.)
- Ensign, Orville H., Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Variable-discharge pump. 1,665,692; Apr. 10.
- Ensign, Roy F., Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburation. 1,658,484; Feb. 7.
- Ensign, Roy F., South Pasadena, assignor to Ensign Carburetor Company, Los Angeles, Calif. Carburetor. 1,684,055; Sept. 11.
- Ensko, Robert, Freeport, N. Y. Tea ball. 1,672,518; June 5.
- Entenman, Albert, Brooklyn, N. Y. Window construction. 1,659,249; Feb. 14.
- Entenman, Albert, Brooklyn, N. Y. Doorframe. 1,685,806; Oct. 2.
- Enterprise Aluminum Company, The. (See Krause, Richard F., assignor.)
- Enterprise Machinery Company. (See McVicker, W. J., and Sandt, assignors.)
- Enterprise Manufacturing Company, The. (See Adams, W. L., and Pfueger, assignors.)
- Enterprise Manufacturing Company, The. (See Case, Francis M., assignor.)
- Enterprise Manufacturing Company, The. (See Case, Francis M., assignor.)
- Enterprise Manufacturing Company, The. (See Lemaire, Louis B., assignor.)
- Enterprise Manufacturing Company, The. (See Pfueger, Charles T., assignor.)
- Enterprise Manufacturing Company, The. (See Pfueger, C. T., and Adams, assignors.)
- Enterprise Manufacturing Company. (See Pfueger, Joseph E., assignor.)
- Enterprise Optical Manufacturing Company, The. (See Brady, G. D., and Roebuck, assignors.)
- Enterprise Manufacturing Company, The. (See Roebuck, Alvah C., assignor.)
- Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
- Enterprise Tinware Company. (See Pfeffer, Morris, assignor.)
- Entz, Theodore B. (See Klock, R. A., and Entz.)
- Entz, Theodore B., Brooklyn, assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y. Electrical connector. 1,659,463; Feb. 14.
- Enz, Karl A., Cleveland, Ohio. Valve. 1,656,183; Jan. 17.
- Enz, Karl A., Cleveland, Ohio. Valve. 1,656,184; Jan. 17.
- Enz, Karl A., Cleveland, Ohio. Valve. 1,656,185; Jan. 17.
- Eppenstein, Sidney C., assignor to Illinois Watch Case Company, Elgin, Ill. Adjustable bracelet. 1,664,504; Apr. 3.
- Epperson, Claud A., Ryan, Okla. Display stand for fish and vegetables. 1,654,724; Jan. 3.
- Epperson, Frank W., Oakland, Calif. Detachable button. 1,674,099; June 19.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread sewing machine. 1,658,190; Feb. 7.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,683,659; Sept. 11.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,683,660; Sept. 11.
- Eppler, Lloyd C., assignor to Airdry Corporation, Groton, N. Y. Coin-operated rotary time switch. 1,660,956; Feb. 28.
- Epps, Carl, assignor to Climax Hosiery Mills, Athens, Ga. Reverse-plaiting knitting machine. 1,666,056; Apr. 10.
- Epps, Frank A., New York, N. Y., A. O. Boniface, East Orange, and W. D. Witter, Roselle Park, N. J., assignors, by mesne assignments, to American La France and Foamite Corporation. Fire-extinguishing apparatus. 1,691,710; Nov. 13.
- Eppstein, Meyer M., Charleston, W. Va., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-delivery apparatus. 1,690,777; Nov. 6.
- Epright, Paul. (See De Bracht, Joseph, assignor.)
- Epstein, Albert A., New York, N. Y. Touring-trip map. 1,672,806; June 5.
- Epstein, Albert K. (See Sokolsky, Louis, assignor.)
- Epstein, Albert K., Chicago, Ill. Manufacturing leavened bread. 1,657,379; Jan. 24.
- Epstein, Albert K., Chicago, Ill. Providing a new food product and improved product produced thereby. 1,676,138; July 3.
- Epstein, Albert K., Chicago, Ill. Egg product and producing the same. 1,687,268; Oct. 9.
- Epstein, Albert K., Chicago, Ill. Egg product and producing the same. 1,687,269; Oct. 9.
- Epstein, Albert K., Chicago, Ill. Egg product and producing the same. 1,687,270; Oct. 9.
- Epstein, Albert K., Chicago, and M. C. Reynolds, Oak Park, Ill. Mayonnaise product and producing same. 1,664,775; Apr. 3.
- Epstein, Harris, Rockaway Beach, N. Y. Folding umbrella. 1,666,692; Apr. 17.
- Epstein, James B., Jersey City, N. J., and M. Shenkin, New York, N. Y. Light or globe attaching device. 1,692,029; Nov. 20.
- Epstein, Kellil, Charlottenburg, Germany. Surgical appliance. 1,687,717; Oct. 16.
- Epstein, Maurice, Denver, Colo. Lady's cap. Re16,972; May 22.
- Epstein, Max, New York, N. Y. Spine support. 1,667,626; Apr. 24.
- Epworth Manufacturing Company. (See McDonald, Theodore V., assignor.)
- Equipment Specialties Co. (See Hull, George A., assignor.)
- Erb, Irwin H., San Francisco, Calif. Pop-bottle whistle. 1,687,086; Oct. 9.
- Erban, Richard, Vienna, Austria. Pressure device for friction gears, brakes, couplings, and the like. 1,683,715; Sept. 11.
- Ercanbrack, John E., Chicago, Ill. Heat-transfer device. 1,671,631; May 29.
- Erdal, Ingolf, Maywood, assignor to The Scherzer Rolling Lift Bridge Company, Chicago, Ill. Bridge lock. 1,659,250; Feb. 14.
- Erdman, Harvey C., Shaker Heights, assignor to The National Screw and Manufacturing Company, Cleveland, Ohio. Metal-working machine. 1,685,319; Sept. 25.
- Eremeeff, Ivan I., Dayton, Ohio. Barometric device. 1,676,983; July 10.
- Erfurth, Wilhelm, assignor to Deuta-Werke vormals Deutsche, Tachometerwerke G. m. b. H., Berlin, Germany. Speedometer of the eddy-current type. 1,664,406; Apr. 3.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 74,786; Apr. 10.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 75,155; May 15.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,467; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,468; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,469; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,470; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,471; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,472; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,473; Oct. 2.
- Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Textile fabric. Des. 76,787; Nov. 6.

- Erhart, Louis F., assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio. Lamp-closure fastener. 1,660,120; Feb. 21.
- Erich, John P., assignor to Chicago Solder Company, Chicago, Ill. Self-fluxing solder and making same. 1,690,534; Nov. 6.
- Erichsen, Chris. (See Allerheiligen, A. H., Crain, and Erichsen.)
- Erichsen, William H., and G. E. Falkentorp, Copenhagen, Denmark. Apparatus for the attainment of regular burning of liquid fuel. 1,658,711; Feb. 7.
- Erickson, John C., Falls City, Nebr. Fluid-pressure-control device. 1,677,959; July 24.
- Erickson, Albert N., Elmhurst, N. Y., assignor to Union Carbide Company. Producing a solution of cyanamide from calcium cyanamide. 1,671,183; May 29.
- Erickson, Axel M., Quincy, and W. W. Crocker, Somerville; said Crocker assignor to E. A. Erickson, Cambridge, Mass. 1,669,867; May 15.
- Erickson, Carl A., Detroit, Mich. Legging. 1,685,991; Oct. 2.
- Erickson, Charles A., Chicago, Ill. Spring suspension. 1,686,230; Oct. 2.
- Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Applying apparatus. 1,669,508; May 15.
- Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lip-turning machine. 1,690,190; Nov. 6.
- Erickson, Edward, deceased, by M. E. Erickson, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-beading machine. 1,690,191; Nov. 6.
- Erickson, Erick G., Alexandria, Minn. Anchor-cable guide and holder for boats. 1,692,640; Nov. 20.
- Erickson, Ernest A. (See Erickson, A. M., and Crocker, assignors.)
- Erickson, Frederic W., Larchmont, N. Y. Molding for electric cables. 1,668,953; May 8.
- Erickson, Frederick F., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,692,253; Nov. 20.
- Erickson, Fredrick W., Aurora, Ill. Hand seed planter. 1,689,866; Oct. 30.
- Erickson, James, Holmesburg, Pa. Ballast-treating machine. 1,660,482; Feb. 28.
- Erickson, John. (See Obergfell, H. F., and Erickson.)
- Erickson, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Electromagnetic relay. 1,681,473; Aug. 21.
- Erickson, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic switch. 1,693,027; Nov. 27.
- Erickson, John A., East Lansing, Mich. Mold for tile. 1,670,066; May 15.
- Erickson, John E., Seattle, Wash. Doorcheck. 1,657,114; Jan. 24.
- Erickson, John E. and W. F., St. Paul, Minn. Apparatus for supplying liquid fuel to heating plants. 1,661,415; Mar. 6.
- Erickson, Knute E., Portland, Oreg. Street traffic signal. Des. 75,831; July 24.
- Erickson, Mary E., executrix. (See Erickson, Edward.)
- Erickson, Ole P., Wildwood, N. J. Valve. 1,681,328; Aug. 21.
- Erickson, Robert W. (See Smith, W. W., and Erickson.)
- Erickson, Signe, Omaha, Nebr. Undergarment. 1,655,812; Jan. 10.
- Erickson, Walter F. (See Erickson, John E. and W. F.)
- Ericksson, Per, Evanston, Ill. Register. 1,673,905; June 19.
- Erieson, Emile, Pelhamwood, N. Y., assignor to National Fabric and Finishing Company, New York, N. Y. Printed textile fabric or the like. Des. 76,526; Oct. 9.
- Erieson, Emile, Pelhamwood, N. Y., assignor to National Fabric and Finishing Company, New York, N. Y. Printed textile fabric or the like. Des. 76,527; Oct. 9.
- Eriesson, Elov, St. Paul, Minn. Rotary engine. 1,689,523; Oct. 30.
- Eriesson, Gunnar, Philadelphia, Pa. High-duty valve structure. 1,658,374; Feb. 7.
- Erie Foundry Company. (See Derby, Frank H., assignor.)
- Erie Malleable Iron Company. (See Dunmire, Russell P., assignor.)
- Erie Malleable Iron Company. (See Selah, Howard A., assignor.)
- Erie Meter Systems, Inc. (See Carlson, Nelson A., assignor.)
- Eriksen, Aage I., Holstebro, Denmark. Photographic camera. 1,654,725; Jan. 3.
- Eriksen, Johan E., Oslo, Norway. Apparatus for regulating speed variations in power engines exposed to varying load. 1,682,270; Aug. 28.
- Erikson, Harry, Lowell, Mass. Vulcanizing device for tire casings. 1,681,178; Aug. 21.
- Eriksson, Anders. (See Löfström, J. and O., assignors.)
- Erikson, Ollie L., and L. A. Pick, Columbus, Ohio. Cone-grate stoker. 1,673,668; June 12.
- Erismann, Theodor, Bonn, Germany. Tire valve. 1,668,898; May 1.
- Erkens, Paul, Duren, Germany. Paper-making machine. 1,670,884; May 22.
- Erlenbach, Edgar, Berlin, Germany, assignor of one-fourth to Sinclair Refining Company, Chicago, Ill. Catalytic cracking of heavy hydrocarbons, mineral oils, oil residue, tars, and the like. 1,671,573; May 29.
- Erlewine, Walter W., Long Beach, Calif., assignor to Marion Machine, Foundry & Supply Company, Marion, Ind. Windlass construction. 1,689,016; Oct. 23.
- Erling, Sven J., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Milking-machine pulsator. 1,688,863; Oct. 23.
- Erlinger, N. T. (See Louis, Charles J., assignor.)
- Ermatinger, Peter, assignor to N. Blake, Oshkosh, Wis. Jar holder. 1,672,311; June 5.
- Ermold, Edward, New York, N. Y. Labeling machine. 1,686,605; Oct. 9.
- Ern, August F., Scarsdale, assignor to K. C. Seelbach Company, New York, N. Y. Pair of scissors. Des. 77,223; Dec. 18.
- Ern, August F., Scarsdale, assignor to K. C. Seelbach Company, New York, N. Y. Razor blade. Des. 77,313; Dec. 25.
- Ernest, William, Martinez, and E. H. Baer, Associated, Calif. Barrel-filling apparatus. 1,683,337; Sept. 4.
- Ernestus, Carl, and W. Lusebrink, Elberfeld Donberg, Germany. Device for the manufacture of tape, webbing, gimp, braid, and similar materials. 1,664,357; Mar. 27.
- Erni, Walter, Prairie du Chien, Wis. Coaster wagon. 1,657,529; Jan. 31.
- Ernst, Charles A., assignor of one-half to F. McDonald, Rainier, Wash. Steering device. 1,680,603; Aug. 14.
- Ernst, Charles K., Buffalo, N. Y. Hoisting apparatus. 1,675,098; June 26.
- Ernst, George, Newark, N. J. Gauge-glass attachment. 1,691,545; Nov. 13.
- Ernst, Hans, Barmen, Germany. Valve for preserving receptacles. 1,674,506; June 19.
- Ernst, Hans, and A. G. Schuricht, assignors to Western Cartridge Company, East Alton, Ill. Wad for shot shells. 1,659,649; Feb. 21.
- Ernst, Harry J., assignor to The D. T. Williams Valve Company, Cincinnati, Ohio. Valve-controlled filling nozzle. 1,655,139; Jan. 3.
- Ernst, John, M. J. Febniger, and H. L. Patterson, Chicago, Ill. Bathtub fitting. 1,658,159; Feb. 7.
- Ernst, Walter, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. High-speed hydraulic press. 1,672,561; June 5.
- Ernst, Walter, assignor, to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Automatic hydraulic press. 1,682,172; Aug. 28.
- Ernst, Walter, assignor to Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Semiautomatic valve. 1,693,109; Nov. 27.
- Ernst, Wilhelm E., Berlin-Schoeneberg, Germany. Apparatus for regulating mixture formation in carburetor systems. 1,666,892; Apr. 24.
- Ernst, Wilhelm E., Berlin-Schoeneberg, Germany. Auxiliary combustion space in internal-combustion engines. 1,678,212; July 24.
- Ernst, William, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Motor bracket. Re16,988; June 5.
- Ernststein, Fernand, Roubaix, France. Asynchronous polyphase electric motor. 1,668,554; May 8.
- Erola, Einar, Salem, Mass. Wall board and fastening strip for same. 1,660,834; Feb. 28.
- Errera, Abraham. (See Charlier, C., and Errera.)
- Errett, Charles. (See Main, William J., assignor.)
- Erskine, Ralph W., South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting unit. Des. 74,729; Mar. 20.
- Erskine, Ralph W., Mishawaka, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lighting standard. Des. 74,730; Mar. 20.
- Erskine, Thomas C., Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,681,226; Aug. 21.
- Erslev, Knud, Nijmegen, Netherlands. Preparing fats of a plastic and lithe consistency. 1,657,380; Jan. 24.
- Erspamer, August, et al. (See Cattol, Louis C., assignor.)
- Erspamer, Leno, et al. (See Cattol, Louis C., assignor.)
- Ersted, Alfred J., Portland, Oreg. Supplemental-device attachment for Fordson tractors. 1,656,700; Jan. 17.
- Ertz, George L. (See Stokes, Charles L., assignor.)
- Ervin, George B., Weston, W. Va. Temporary well cap. 1,683,173; Sept. 4.
- Ervine & Bishop. (See McLelland, William C., assignor.)
- Erwin, James A., Oak Park, Ill. Humidifying apparatus. 1,680,604; Aug. 14.
- Erwin, Orlando R., Forest Hills, N. Y., assignor, by mesne assignments, to American La France and Foamite Corporation. Fire-extinguishing apparatus. 1,660,992; Feb. 28.
- Erwin, Raymond W. (See Lyon, G. A., Erwin, and Heise.)
- Essalhorst, William. (See Yeaton, George A., assignor.)
- Escaich, Auguste, and J. P. Worms, Paris, France. Dyeing process. 1,661,606; Mar. 6.
- Esch, Max W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making laminated annular articles. 1,665,585; Apr. 10.
- Eschenbach, Gustavus W., Los Angeles, Calif. Record-holding marker. 1,674,005; June 19.

- Eschenbach, Gustavus W., Los Angeles, Calif. Interchangeable panoramic-picture blocks. 1,676,641; July 10.
- Eschholz, Otto H., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Overhead welding. 1,665,916; Apr. 10.
- Eschholz, Otto H., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for interrupting electric arcs. 1,680,671; Aug. 14.
- Escole, Paul J. M., Jeumont, France. Smoothing and polishing glass or the like. 1,665,776; Apr. 10.
- Eshbaugh, Jesse E., Dayton, Ohio. Automatic pulse, respiration, and temperature recorder. 1,664,407; Apr. 3.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Ammeter frame. 1,683,992; Oct. 2.
- Eshbaugh, Jesse E., assignor to A C Spark Plug Company, Flint, Mich. Heat indicator. 1,690,337; Nov. 6.
- Eskholme, John W., Glen Ridge, N. J. Door stop and latch. 1,677,960; July 24.
- Eskilson, Sven A. (See Boots, E. R., and Eskilson.)
- Eskilson, Sven A., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Pendulum lens apparatus. 1,689,623; Oct. 30.
- Eskilson, Sven A., and H. Abramson, Stockholm, Sweden, assignors to American Gasaccumulator Company, Elizabeth, N. J. Pendulum lens apparatus. 1,689,624; Oct. 30.
- Eskilson, Sven A., and K. A. B. Holm, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Pilot burner. 1,666,997; Apr. 24.
- Eskimo Pie Corporation. (See Urschel, William E., assignor.)
- Estridge, James T., La Jara, Colo. Supporter for wearing apparel. 1,694,735; Dec. 11.
- Esleck, William C., Whitestone, N. Y. Transmission device for marine motors. 1,684,952; Sept. 18.
- Esmarian, Charles, Paterson, N. J. Demountable rim. 1,655,991; Jan. 10.
- Esmond, Alva R., Union Grove, Wis. Lifting jack. 1,679,210; July 31.
- Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Nonsinging reamplifying circuit. 1,657,462; Jan. 31.
- Espenschied, Lloyd, Kew Gardens, N. Y. Sound recording and reproducing. 1,661,793; Mar. 6.
- Espenschied, Lloyd, Queens, N. Y., and D. K. Martin, Orange, N. J., assignors to American Telephone and Telegraph Company. Directive radio repeating system. 1,668,637; May 8.
- Espenschied, Lloyd, Queens, N. Y., and D. K. Martin, Orange, N. J., assignors to American Telephone and Telegraph Company. Directive radio repeating system. 1,668,638; May 8.
- Espenschied, Lloyd, Queens, N. Y., and D. K. Martin, Orange, N. J., assignors to American Telephone and Telegraph Company. Directive radio repeating system. 1,668,674; May 8.
- Espenschied, Lloyd, Queens, N. Y., and D. K. Martin, Orange, N. J., assignors to American Telephone and Telegraph Company. Directive radio repeating system. 1,669,123; May 8.
- Espenschied, Lloyd, Hollis, H. A. Affel, Brooklyn, and C. N. Anderson, New York, N. Y., assignors to American Telephone and Telegraph Company. Two-way radio telephone system. 1,678,672; July 31.
- Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Antenna for radio-telegraphy. 1,683,716; Sept. 11.
- Espenschied, Lloyd, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company. Recording and reproducing of sound waves. 1,685,913; Oct. 2.
- Espensen, John L., Detroit, Mich. Bag holder. 1,669,744; May 15.
- Esperien, Arthur F. (See Holmes, H. H., and Espersen.)
- Esphig, William W. (See Powell, Richard L., assignor.)
- Esselen, Gustavus J., jr., Swampscott, and M. W. Weiss, Boston, Mass., assignors to The Delaware, Lakawanna & Western Coal Co., New York, N. Y. Coal. 1,688,695; Oct. 23.
- Essex, Frank C., and J. E. Maxson, assignors of one-third to D. S. McNeil, Picher, Okla. Sectional mold liner for type-setting machines. 1,666,595; Apr. 17.
- Essex Rubber Company. (See Hoopes, Penrose R., assignor.)
- Essex Rubber Company. (See Oakley, Laurence M., assignor.)
- Essman, Herman G., New York, N. Y. Hand signal light. 1,688,179; Oct. 16.
- Estabrooke, William L. (See Babor, J. A., and Estabrooke.)
- Estabrooks, Maurice A., Augusta, Me. Door hook. 1,692,726; Nov. 20.
- Estwick, Charles F., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system. 1,692,370; Nov. 20.
- Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
- Esterow, Harry, New York, N. Y. Cigar lighter. Des. 75,904; July 31.
- Esters, Paul, Vierns, assignor to Vereinigte Seidenwebereien A. G., Anrath, near Crefeld, Germany. Loom lay mounting. 1,674,963; June 26.
- Estes, Dana, Brookline, Mass. Stopper for acid bottles and making the same. 1,661,416; Mar. 6.
- Estes, George L., Oklahoma City, Okla. Traffic-signal casing. Des. 74,362; Feb. 7.
- Estes, Marion S., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmitter for high-frequency sound signaling. 1,678,182; July 24.
- Estey Organ Company. (See Haskell, William E., assignor.)
- Estill, Spencer C., and J. A. Todd, Fort Worth, Tex. Brick or tile veneer binder. 1,676,535; July 10.
- Estwing, Ernest O., assignor to Estwing Manufacturing Company, Inc., Rockford, Ill. Method of and apparatus for manufacturing nail hammers having integral shanks. 1,669,701; May 15.
- Estwing Manufacturing Company. (See Estwing, Ernest O., assignor.)
- Esworthy, Joseph W., Binghamton, assignor to Beech-Nut Company, Canajoharie, N. Y. Vending-machine casing. Des. 74,877; Apr. 10.
- Etablissements Malicet & Blin. (See Guillery, René, assignor.)
- Etablissements Samga & Bavox Reunis. (See Voreaux, Paul, assignor.)
- Etablissements Strauss, Allard, Meyer. (See Strauss, Raphaël, assignor.)
- Ethells, James. (See Lyne F. C., and Ethells.)
- Etheredge, John H., assignor of one-half to L. A. Cage, Taft, Tex. Cotton chopper. 1,683,768; Sept. 11.
- Etheridge, Ernest L., Brooklyn, N. Y. License-plate holder. 1,664,025; Mar. 27.
- Etheridge, Harry, Zelenipole Borough, Pa. Railway-track construction. 1,660,604; Feb. 28.
- Etheridge, Harry, Zelenipole Borough, Pa. Railway-track construction. 1,660,605; Feb. 28.
- Ethyl Gasoline Corporation. (See Edgar, Graham, assignor.)
- Etlmg, Rodolf, Barcelona, Spain. Ear-cleaning implement. 1,693,581; Nov. 27.
- Etnyre Company. (See Etnyre, George M.)
- Etnyre, George M., assignor to J. S. and G. M. Etnyre, Oregon, Ill., doing business as Etnyre Company. Asphalt and like distributor. 1,668,309; May 1.
- Etnyre, June S. and George M. (See Etnyre, George M., assignor.)
- Ettinger, Alfred. (See Stein, Edward, assignor.)
- Ettinger, Ralph, Kansas City, Mo. Sausage casing. 1,676,082; July 3.
- Ettinger, Ralph, Kansas City, Mo. Frame for sausage casings. 1,680,286; Aug. 14.
- Etzel, Heinrich, Brunswick, Germany. Driving mechanism for oscillating conveyers. 1,672,807; June 5.
- Euchenhofer, Adolph F., Dayton, Ohio. Fuse box. 1,669,702; May 15.
- Eule, Martin, Spandau, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Device for regulating the generation of steam in heat power plants. 1,655,375; Feb. 7.
- Euler, George C., Edgewater Heights, assignor to R. B. Davis Company, Hoboken, N. J. Cuo-making machine. 1,664,378; Mar. 27.
- Eureka Company, The. (See Thomas, Frank, assignor.)
- Eureka Vacuum Cleaner Company. (See Doherty, John V., assignor.)
- Eustace, Joseph N., Vineland, Tex. Sack carrier. 1,656,701; Jan. 17.
- Eustage, Thomas P., Wellington, New Zealand. Window stay and fastener. 1,669,900; May 15.
- Eustice, Charles. (See Sands, O., and Eustice.)
- Eustis, Frederic A., Milton, Mass., assignor to Virginia Fruit Fumigating Company, West Norfolk, Va. Distribution of volatile substances. 1,668,496; May 1.
- Eustis, Robert L., and F. S. Beiger, Los Angeles, Calif. Wall case. 1,663,337; Mar. 20.
- Eustis, Robert L., and F. S. Beiger, Los Angeles, Calif. Wall case. 1,670,028; May 15.
- Eustis, Robert L., and F. S. Beiger, assignors to The Eustis Specialty Co., Los Angeles, Calif. Track for sliding sashes. 1,685,535; Sept. 25.
- Eustis, Robert L., and F. S. Beiger, assignors to The Eustis Specialty Co., Los Angeles, Calif. Drawer slide. 1,685,536; Sept. 25.
- Eustis Specialty Co., The. (See Eustis, R. L., and Beiger, assignors.)
- Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Transfer car. 1,657,206; Jan. 24.
- Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Cutting table. 1,660,327; Feb. 28.
- Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid-cooled roll. 1,671,819; May 29.
- Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-cutting table. 1,676,011; July 3.
- Evans, Alva L. (See Lange, M. E., and Evans.)
- Evans, Archibald D., and J. K. Lamoree, New Castle, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Feed rollers. 1,685,873; Oct. 2.
- Evans, Arthur B., Leeds, England. Printing machine. 1,672,715; June 5.
- Evans, Arthur F., Barnes, England. Internal-combustion engine. 1,673,280; June 12.
- Evans, Arthur L., et al. (See Bell, Earl R., assignor.)

- Evans Auto Loading Co. Inc., The. (See Evans, Edward S., assignor.)
- Evans Auto Loading Co., The. (See Scherer, John R., assignor.)
- Evans Auto Loading Co. Inc., The. (See Snyder, Clifford L., assignor.)
- Evans, Benjamin A., and W. H. Slabaugh, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for mounting inserts in and drilling battery-jar vent caps. 1,661,417; Mar. 6.
- Evans, Boyd V., (See Evans, Wellington F. and B. V.)
- Evans, Boyd V., and L. S. Woodhull, Detroit, Mich. Changeable sign for vehicles. 1,671,574; May 29.
- Evans Case Company. (See Reilly, Alfred F., assignor.)
- Evans, Charles H., Jersey City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Draft-key retainer. 1,685,126; Sept. 25.
- Evans, Clarence T. (See Hunter, R. B., and Evans.)
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Phase-failure and phase-reverse protective device for polyphase alternating-current circuits. 1,657,303; Jan. 24.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. 1,662,243; Mar. 13.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Regulation of electric circuits. 1,668,711; May 8.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor starter. 1,676,888; July 10.
- Evans, David A., Kansas City, Mo., assignor to The Evans Lime Putty Company, Kansas City, Kans. Apparatus for slaking lime into lime putty. 1,662,776; Mar. 13.
- Evans, E. S., & Co. (See Michod, Charles L., assignor.)
- Evans, Earl R., Galion, Ohio. Electrical system. 1,656,370; Jan. 17.
- Evans, Earl R., Great Barrington, Mass. System of distribution. 1,696,177; Dec. 18.
- Evans, Earle W., Linden, N. J. Reducing crank-case dilution in internal-combustion engines. 1,669,977; May 15.
- Evans, Edward S., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Composition check block. 1,694,316; Dec. 4.
- Evans, Edwin R., Detroit, Mich. Instrument panel. Des. 74,667; Mar. 13.
- Evans, Edwin R., Detroit, Mich. Pump connection. 1,690,338; Nov. 6.
- Evans Elevator Equalizer Company. (See Evans, Joseph E., assignor.)
- Evans Flexible Reamer Corporation. (See Evans, William H., assignor.)
- Evans, Floyd G., Baton Rouge, La., assignor of one-half to H. W. Mitchell, Webster Springs, W. Va. Car door and operating means therefor. 1,685,631; Sept. 25.
- Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Voice mechanism. 1,667,105; Apr. 24.
- Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,667,106; Apr. 24.
- Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,667,107; Apr. 24.
- Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,667,108; Apr. 24.
- Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking toy mechanism. 1,693,228; Nov. 27.
- Evans, Fredrick G., Oak Park, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sheep shears. 1,691,341; Nov. 13.
- Evans, George A., Layton, Utah. Fruit-jar sealer. 1,663,123; Mar. 20.
- Evans, George W. B., Wilderness, Va., assignor to Evans Ore Reduction Company, Washington, D. C. Treating refractory ores containing precious metals. 1,664,067; Mar. 27.
- Evans, Harold A., assignor, by mesne assignments, to Parco Specialty Co., Lynn, Mass. Shoe manufacture. 1,668,399; May 1.
- Evans, Harvey H., Detroit, Mich. Multishock absorber. 1,654,798; Jan. 3.
- Evans, Hopkins, Taber, Alberta, Canada. Milk bottle with open bottom. 1,660,606; Feb. 28.
- Evans, Hubert L., Orangeburg, S. C. Plow slide shoe. 1,671,705; May 29.
- Evans, Humphrey, assignor to Holeproof Hosiery Co., Milwaukee, Wis. Knitting machine. 1,661,653; Mar. 6.
- Evans, Israel, San Bernardino, Calif. Hose-coupling tool. 1,666,491; Apr. 17.
- Evans, Jack, Braman, Okla., assignor of one-half to N. L. Jones and B. I. Litowich, Salina, Kans. Gate. 1,690,061; Oct. 30.
- Evans, John A., Tyrone, Pa., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,682,218; Aug. 28.
- Evans, John E., New York, and F. H. Griffiths Yonkers, assignors to The Reliable Automatic Sprinkler Co. Inc., New York, N. Y. Retarding chamber for automatic sprinkler systems. 1,680,142; Aug. 7.
- Evans, Joseph, Youngstown, Ohio. Dipping spoon. Des. 76,293; Sept. 11.
- Evans, Joseph E., assignor to Evans Elevator Equalizer Company, Bedford, Ind. Device for temporarily connecting elevator cars to the hoisting cables. 1,661,132; Feb. 28.
- Evans, Keith J., Chicago, Ill. Game apparatus. 1,680,287; Aug. 14.
- Evans Lime Putty Company, The. (See Evans, David A., assignor.)
- Evans, Marshall W., Detroit, Mich. Mixing device for internal-combustion engines. 1,684,480; Sept. 18.
- Evans, Martin E., Kankakee, Ill. Attenuation of materials. 1,666,928; Apr. 24.
- Evans, Morris, Washington, D. C. Portable electric cooker. 1,692,547; Nov. 20.
- Evans Ore Reduction Company. (See Evans, George W. B., assignor.)
- Evans, Rbys L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord fabric. 1,689,119; Oct. 23.
- Evans, Robert D. (See Copley, A. W., and Evans.)
- Evans, Robert D. (See Fortescue, C. L., and Evans.)
- Evans, Robert D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,665,917; Apr. 10.
- Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,684,056; Sept. 11.
- Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,689,867; Oct. 30.
- Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring instrument. 1,691,342; Nov. 13.
- Evans, Robert D., and H. K. Sels, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Compensated voltage-regulator system. 1,665,918; Apr. 10.
- Evans, Robert D., Pittsburgh, C. F. Wagner, Swissvale, A. D. Dovjikov, Wilkinsburg, and E. B. Shand, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Quick-excited machine and system of transmission. 1,692,495; Nov. 20.
- Evans, Russell G., Detroit, Mich. Collapsible-tube brush. 1,661,607; Mar. 6.
- Evans, Samuel J., Princeton, W. Va. Air-brake valve. 1,665,586; Apr. 10.
- Evans, Seth. (See Edwards, C. R., and Evans.)
- Evans, Silas M., Sand Springs, Okla. Gas burner. 1,679,298; July 31.
- Evans, Walter W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Packing. 1,690,161; Nov. 6.
- Evans, Wellington F. and B. V., Detroit, Mich. Motor-bus chassis and step construction. 1,673,351; June 12.
- Evans, Wellington F. and B. V., Detroit, Mich. Bus body. 1,686,740; Oct. 9.
- Evans, Will, Inglewood, Calif. Mop. 1,675,699; July 3.
- Evans, William, Piedmont, Calif. Incense burner. 1,665,659; Apr. 10.
- Evans, William H., Birmingham, Ala. Reinforcement for fabric hose. 1,671,706; May 29.
- Evans, William H., assignor to Evans Flexible Reamer Corporation, Chicago, Ill. Reaming tool. 1,680,466; Aug. 14.
- Evans, William H., assignor to Evans Flexible Reamer Corporation, Chicago, Ill. Valve-seat reamer. 1,680,510; Aug. 14.
- Evans, William L., Washington, Ind. Ring joint. 1,672,562; June 5.
- Evans, William L., Washington, Ind. Ring-joint machine. 1,684,760; Sept. 18.
- Evans, William S., Palisades Park, N. J., assignor to Lucey Manufacturing Corporation of Tennessee, Chattanooga, Tenn. Crown block. 1,679,327; July 31.
- Evans, Wilson, assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Method and apparatus for mixing solids with liquids. 1,686,076; Oct. 2.
- Evans, Wilson, assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Dry feeding and measuring machine. 1,686,077; Oct. 2.
- Evans, Wilson, assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Mixing device. 1,686,078; Oct. 2.
- Eveland, La Vere J. (See Watkins, H. L., and Eveland.)
- Eveleth, Clarence M., River Forest, Ill. Oil can. 1,673,446; June 12.
- Eveleth, Clarence M., River Forest, Ill. Weather strip. 1,688,458; Oct. 23.
- Eveleth, George L., Arcadia, Calif. Door with combined screen and adjustable window. 1,682,271; Aug. 28.
- Evans, Henry, Duluth, Minn. Combination holder and cigarette-extinguishing ash tray. 1,667,592; Apr. 24.
- Evensen, William, and G. L. Hermanson, Chicago, Ill., assignors to Goss Printing Press Company. Quick lock-up for plate cylinders. 1,658,035; Feb. 7.
- Everatt, Reginald W. (See Rodd, E. H., and Everatt.)
- Everatt, Reginald W., and E. H. Rodd, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Separation of mono- and di-alkyl-arylamines. 1,670,850; May 22.
- Everbrite Stove Company, The. (See Kise, William K., assignor.)

- Everedy Company, The. (See Leberz, Harry J., assignor.)
- Everett, Charles E., Longford, Kans., assignor, by mesne assignments, to J. I. Case Flow Works, Inc. Tractor guide. 1,694,210; Dec. 4.
- Everett, Daniel S., Jordan, N. Y. Sash holder. 1,664,602; Apr. 3.
- Everett, Edward A. (See Hull, S. P., Corcoran, and Everett.)
- Everett, Edward A., New York, N. Y. Sighting device. 1,664,544; Apr. 3.
- Everett, Edward A., Long Island City, N. Y., assignor to Nande Corporation. Power rail-drilling machine. 1,671,575; May 29.
- Everett, Edward A., Long Island City, N. Y., assignor to Nande Corporation. Track-drilling machine. 1,674,858; June 26.
- Everett, Edward A., New York, N. Y. Supporting bracket for railway signals. 1,684,953; Sept. 18.
- Everett, Edward A., New York, N. Y. Focusing light sources in projectors. 1,690,364; Nov. 6.
- Everett, Ira, Allentown, and W. I. Cantley, Bethlehem, Pa. Hopper car. 1,661,418; Mar. 6.
- Everett, Russell M., Bloomfield, N. J. Vehicle signal. 1,663,691; Mar. 27.
- Everett, William J., Indianapolis. Feed-water heater and purifier. 1,674,820; June 26.
- Everette, Willis E., San Rafael, Calif. Radioantenna. 1,658,592; Feb. 7.
- Ever Hot Heater Co., The. (See Shuell, Frank W., assignor.)
- Ever Hot Heater Company, The. (See Ledbetter, Elmer E., assignor.)
- Ever Hot Heater Company, The. (See Shuell, F. W., and Ledbetter, assignors.)
- Everhard, Edith M., Canton, assignor of one-half to W. Miller, Massillon, Ohio. Hot-air-register shield. 1,668,712; May 8.
- Everhard, Harry H., Canton, Ohio. Ventilating screen. 1,695,091; Dec. 11.
- Everhart, Charles O., Girard, Ohio. Hydrocarbon burner. 1,686,846; Oct. 9.
- Everist, Hubert, Sioux City, Iowa. Rotary cutter. 1,661,692; Mar. 6.
- Everist, Hubert, Sioux City, Iowa. Machine for distributing concrete. 1,693,198; Nov. 27.
- Everitt, James A. (See Trimpe, Emmett H., assignor.)
- Everskleen Spark Plug Corporation. (See Bizzarro, Frank, assignor.)
- Everlastik, Inc. (See Chisholm, Lester B., assignor.)
- Everlasting Furniture Brace Co. (See Balinky, Abraham, assignor.)
- Everly, Edgar B., Ventura, Calif. Caster. 1,671,416; May 29.
- Evers, Arthur J., Chicago, Ill. Electrical switching mechanism. 1,676,433; July 10.
- Evers, Edward P. (See Ballman, E. C., and Evers.)
- Evers, Edward P. (See Bruninga, J. H., and Evers.)
- Evershed & Vignoles Limited. (See Needham, John C., assignor.)
- Evershed & Vignoles, Limited. (See Rolfe, George B., assignor.)
- Eversmann, Henry E., Cincinnati, Ohio. Internal-combustion engine. 1,660,706; Feb. 28.
- Everson, Franklin E., Scarsdale, N. Y. Display card. 1,657,381; Jan. 24.
- Evers, William H., and J. W. Shimek, Lakewood, assignors to The R. C. Products Company, Cleveland, Ohio. Retaining-wall structure. 1,695,997; Dec. 18.
- Evette, Maurice, assignor to the Société Evette & Schaeffer, Paris, France. Keyed musical wind instrument. 1,669,745; May 15.
- Evinrude Motor Company. (See Biersach, Hugo, assignor.)
- Evinrude Motor Company. (See Hillborn, Herbert J., assignor.)
- Evinrude Motor Company. (See Mould, James A., assignor.)
- Evinrude, Ole, assignor to Elto Outboard Motor Company, Milwaukee, Wis. Tank closure. 1,682,338; Sept. 4.
- Evinrude, Ole, assignor to Elto Outboard Motor Company, Milwaukee, Wis. Outboard motor. 1,686,803; Oct. 9.
- Eyelt, Earl M., Grand Haven, Mich., assignor to The Bastian Blessing Company, Chicago, Ill. Acetylene generator. 1,667,346; Apr. 24.
- Eyelin, Leo E., New York, N. Y. Shock-absorbing hand-piece. 1,685,670; Sept. 25.
- Ewald, Wolfgang F., assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Loud speaker. 1,683,879; Sept. 11.
- Ewart, John H., London, England. Electric water heater. 1,661,693; Mar. 6.
- Ewart, Thomas S., Raymond, Wash. Reverse drive. 1,670,144; May 15.
- Ewers, Alexander L. (See Cooch, C. W., jr., and Ewers.)
- Ewig, John M., assignor of one-third to E. Chute and one-third to C. H. Wise, New Lexington, Ohio. Railway-tie holder. 1,656,186; Jan. 17.
- Ewing, Ada F. (See Ewing, Urbane J. and A. F.)
- Ewing, Ada F., Wilkesburg, Pa. Mop. 1,660,868; Feb. 28.
- Ewing, Clement L., Jeromeville, Ohio. Truss structure. 1,681,572; Aug. 21.
- Ewing, Howard M., assignor to Minerva Pictures Corporation, Los Angeles, Calif., doing business under the fictitious name of Standard Automotive and Machine Works. Brake-band structure. 1,672,486; June 5.
- Ewing, Sydney E. T. (See Bushell, B. D., Ewing, and Brunner.)
- Ewing, Urbane J. and A. F., Wilkesburg, Pa. Mop and mop holder. 1,674,964; June 26.
- Ewins, George W., Belleville, N. J., assignor to American Cable Company, Inc. Attachment for strands, ropes, or cables. 1,681,285; Aug. 21.
- Excel Products Corporation. (See Schairer, Otto S., assignor.)
- Excel Products Corporation. (See Van Deventer, Harry R., assignor.)
- Excel Products Corporation. (See Van Deventer, H. R., and Warren, assignors.)
- Excelsior Plimtruck Co., The. (See Scriven, Bernard E., assignor.)
- Excelsior Shoe Company, The. (See Rickey, Charles E., assignor.)
- Exley, Charles N., assignor of two-thirds to D. McTaggart and W. Neilson, Glasgow, Scotland. Waterproof paint. 1,672,377; June 5.
- Exley, Leo F., Johnson City, N. Y. Brush. 1,684,481; Sept. 18.
- Expanded Metal Company, The. (See Smith, Walter, assignor.)
- Exsternbrink, Otto, Westhofen, Germany. Wall coffee mill for two different grinding materials. 1,692,162; Nov. 20.
- Eyermann, Peter, Vienna, Austria, assignor to Major I. McCreight, Du Bois, and R. Peale, jr., St. Benedict, Pa. Producing and preparing ingots for working. 1,672,999; June 12.
- Eyman, Charles A., New York, N. Y. Vanity case. 1,686,370; Oct. 2.
- Eynon, Margaret Y. (See Eynon, Thomas M., assignor.)
- Eynon, Thomas M., Philadelphia, Pa. Operating means for liquid-height indicators. 1,663,532; Mar. 20.
- Eynon, Thomas M., Philadelphia, Pa. Liquid-level indicator. 1,664,200; Mar. 27.
- Eynon, Thomas M., Philadelphia, Pa. Variable-resistance indicator. 1,664,250; Mar. 27.
- Eynon, Thomas M., Philadelphia, Pa. Operating means for liquid-level indicators. 1,683,769; Sept. 11.
- Eynon, Thomas M., assignor to M. Y. Eynon, Philadelphia, Pa. Detector for flat tires. 1,662,381; Mar. 13.
- Eyrish, Carl, Gig Harbor, Wash. Saw-setting anvil and gauge. 1,683,174; Sept. 4.
- Eyrse, Samuel J., Minneapolis, Minn. Electric controller device for signals. 1,669,509; May 15.
- Ezdorf, Richard R., Baltimore, Md., assignor to Fuelo Corporation, Washington, D. C. Oil burner. 1,663,692; Mar. 27.
- Eze Cushion Corporation. (See Horn, Jacques E., assignor.)
- Ezell, Marion. (See Benedict, George W., assignor.)
- Faba, Luigi, Detroit, Mich. Safety lock for gas-stove valves. 1,686,906; Oct. 9.
- F. A. Baumgartner, Dr. Katz & Co. G. m. b. H. (See Baumgartner, Friedrich W., assignor.)
- Fabrin, Frank, Tallman, assignor to Continental Products Corporation, New York, N. Y. Umbrella rib and spreader structure and producing the same. 1,693,948; Dec. 4.
- Fabrin, Robert P., Chicago, Ill. Portable oven. 1,659,091; Feb. 14.
- Faber, August, New York, N. Y. Dirigible airship. 1,679,565; Aug. 7.
- Faber, Clarence E. (See Werner, H. F., and Faber.)
- Faber, firm: A. W. (See Wimpner, Fritz, assignor.)
- Faber, Henry B., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphonation. 1,679,211; July 31.
- Faber, Jacob, Cologne-on-the-Rhine, Germany. Seamless hollow body and making the same. 1,659,399; Feb. 14.
- Faber, Merle E., Waupun, Wis., assignor, by mesne assignments, to The Shaler Company, Wilmington, Del. Repair vulcanizing apparatus. 1,666,998; Apr. 24.
- Faber, Merle F., Daly City, and J. Kusber, jr., Colma, Calif. Frame for photographic films. 1,695,644; Dec. 18.
- Faber, Paul, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Reversible blower apparatus. 1,680,775; Aug. 14.
- Faber, William C., Pawpaw, Ill. Adjustable deflector for silo fillers. 1,663,161; Mar. 20.
- Fabian, Charles, assignor to Ross Gould Limited, Auckland, New Zealand. Flushing system. 1,665,777; Apr. 10.
- Fabian, Harry F., Philadelphia, Pa. Sign. 1,655,223; Jan. 3.
- Fabre, Joseph M., et al. (See Blouin, Stephen F., assignor.)
- Fabrey, William H., assignor to Weber Electric Company, Schenectady, N. Y. Fuse plug. 1,681,847; Aug. 21.
- Fabrek van Chemische Producten. (See Jurling, Jan G., assignor.)
- Fabrick Van Chemische Producten. (See Kraus, Emil, assignor.)
- Fabrique d'Appareils Electriques Favarger, Societe Anonyme. (See Favarger, François, assignor.)

- Fabrique de Sole Artificielle de Tubize, Societe Anonyme. (See Duclaux, Jacques, assignor.)
- Fabrizio, Achillo, Willow Street, Pa. Salute. 1,673,938; June 19.
- Faerber, Henry W., et al. (See Carroll, Joseph J., assignor.)
- Faessler, J., Manufacturing Company, The. (See Maupin, Graves R., assignor.)
- Fairair Bearing Company, The. (See Leister, Fayette, assignor.)
- Fagan, Bernard J., New York, N. Y. Theater chair. 1,659,484; Feb. 14.
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works, Sharpsville, Pa. Dial frame. Des. 76,011; Aug. 14.
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works Co., Sharpsville, Pa. Gasoline-meter casing. Des. 76,131; Aug. 21.
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works Co., Sharpsville, Pa. Gasoline-meter casing. Des. 76,788; Nov. 6.
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works Co., Sharpsville, Pa. Covered drain pit and grease rack. 1,658,044; Feb. 7.
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works Co., Sharpsville, Pa. Flow indicator. 1,673,000; June 12.
- Fagan, Charles D., Sharon, assignor to Sharpsville Boiler Works Co., Sharpsville, Pa. Meter mounting for service-station equipment. 1,673,001; June 12.
- Fagan, John T., Cleveland, Ohio, assignor to General Electric Company. Stem-making machine. 1,655,140; Jan. 3.
- Fagan, John T., and L. Staudenmeir, Cleveland, Ohio, assignors to General Electric Company. Stem-making machine. 1,655,141; Jan. 3.
- Fagan, Ray C., Spangler, Pa. Pressure-fluctuating alarm for mines. 1,666,282; Apr. 17.
- Fagan, Richard C., assignor to The Russell Manufacturing Company, Middletown, Conn. Elastic fabric. 1,669,868; May 15.
- Fagan, William B., Wauwatosa, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge-trimming machine. 1,659,251; Feb. 14.
- Fageol, Rollie B., (See Fageol, William B., assignor.)
- Fageol, Rollie B., Los Angeles, Calif. Vehicle body. Des. 74,259; Jan. 17.
- Fageol, Rollie B., Los Angeles, Calif. Bus body. Des. 74,260; Jan. 17.
- Fageol, Rollie B., Los Angeles, Calif. Vehicle body. Des. 74,261; Jan. 17.
- Fageol, Rollie B., Los Angeles, Calif. Toy vehicle. 1,679,819; Aug. 7.
- Fageol, Rollie B., Los Angeles, Calif. Road vehicle. 1,692,891; Nov. 27.
- Fageol, Rollie B., Los Angeles, assignor to Eight Wheel Motor Vehicle Company, San Francisco, Calif. Motor vehicle. 1,660,189; Feb. 21.
- Fageol, Rollie B., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Bumper tip. 1,678,855; July 31.
- Fageol, Rollie B., Oakland, Calif. Road vehicle. 1,660,188; Feb. 21.
- Fageol, William B., Oakland, Calif. Repeating attachment for phonographs. 1,673,235; June 12.
- Fageol, William B., assignor to R. B. Fageol, Oakland, Calif. Sectional nut for lubricating devices. 1,668,196; May 1.
- Fager, Raymond H., Maumee, Ohio. Ventilator. 1,673,906; June 19.
- Fageros, Edgar D., Minneapolis, Minn. Motor gauge. 1,696,393; Dec. 25.
- Fagley, Harold L., (See Grothe, Verner G. H., assignor.)
- Faglie, William G., Canton, Tex. Crank-shaft grinder. 1,660,607; Feb. 28.
- Fahey, John H., Pittsfield, Mass. Bolt and screw clip. 1,660,262; Feb. 21.
- Fahlberg, E. D., Mfg. Company. (See Fahlberg, Ernest D., assignor.)
- Fahlberg, Ernest D., assignor to E. D. Fahlberg Mfg. Company, Madison, Wis. Soldering furnace. 1,680,776; Aug. 14.
- Fahnstock, Archer P., Plandome, N. Y. Ground connector. 1,690,220; Nov. 6.
- Fahr, Johann H., Stockach in Baden, Germany. Grain and grass mowing machine. 1,663,879; Mar. 27.
- Fahrbach, Ferdinand G., Pelham Manor, N. Y. Repair device for auto skid chains. 1,673,003; July 24.
- Fahrenwald, Frank A., Chicago Heights, Ill. Grate bar. 1,658,839; Feb. 14.
- Fahrenwald, Frank A., Chicago, Ill. Apparatus for testing abrasion resistance. 1,678,110; July 24.
- Fahrney, Emery H., Chicago, Ill. Snowplow. 1,655,945; Jan. 10.
- Fahrney, Emery H., Chicago, Ill. Snowplow. 1,655,946; Jan. 10.
- Fahrney, Emery H., Chicago, Ill. Snowplow. 1,671,358; May 29.
- Fahrney, Emery H., Chicago, Ill. Snowplow feeding mechanism. 1,689,999; Oct. 30.
- Fahrney, Emery H., Chicago, Ill. Snowplow. 1,690,000; Oct. 30.
- Fahrney, Emery H., Chicago, Ill. Combined reverse and reduction gear. 1,693,645; Dec. 4.
- Fahni, Jacob, Zurich, Switzerland. Refrigerating apparatus. 1,693,373; Nov. 27.
- Fahys, Joseph, & Company. (See Cook, Harry, assignor.)
- Faickney, Robert, Glasgow, Scotland, assignor to Bethlehem Shipbuilding Corporation, Quincy, Mass. Auxiliary fuel-oil heater. 1,681,663; Aug. 21.
- Failing, Otto C., (See Mason, A. R., and Failing.)
- Failor, Charles W., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,675,927; July 3.
- Failor, Charles W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Cab signaling system for railway yards. 1,681,977; Aug. 28.
- Failor, Charles W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,682,747; Sept. 4.
- Fain, John A., (See Ogletree, William D., assignor.)
- Fain, Walter C., Norfolk, Va. Concealable furnishings. 1,695,370; Dec. 18.
- Fain, William H., (See Kantorowicz, Julius, assignor.)
- Fairall, Harry K., assignor to Binocular Stereoscopic Film Company, Los Angeles, Calif. Film-developing machine. 1,686,907; Oct. 9.
- Fairbairn, John M. R., (See Orrock, John W., assignor.)
- Fairbairn Lawson Combe Barbour Limited. (See Bee, Joseph R., assignor.)
- Fairbairn Lawson Combe Barbour Limited. (See Moorhouse, Samuel, assignor.)
- Fairbanks, E. Hayward. (See Haag, Alfred H., assignor.)
- Fairbanks, E. and T., and Company. (See Bousfield, Alfred, assignor.)
- Fairbanks, E. and T., and Company. (See Hadley, Harlan A., assignor.)
- Fairbanks, Morse & Co. (See Adams, Edward T., assignor.)
- Fairbanks, Morse & Co. (See Goldberg, Morris J., assignor.)
- Fairbanks, Morse & Co. (See Jahnke, Charles B., assignor.)
- Fairbanks, Morse & Co. (See Rynders, George W., assignor.)
- Fairchild Aerial Camera Corporation. (See Morton, Edmund R., assignor.)
- Fairchild, Charles B., assignor of one-half to L. A. M. Fairchild, Chicago, Ill. Automobile headlight. 1,667,288; Apr. 24.
- Fairchild, Charles N., Milford, Conn., assignor to Fairchild Lock Corporation, New York, N. Y. Lock housing. 1,684,311; Sept. 11.
- Fairchild, Frank E., Red Bank, N. J., assignor to American Telephone and Telegraph Company. Stabilization of circuit output. 1,686,552; Oct. 9.
- Fairchild Lock Corporation. (See Fairchild, Charles N., assignor.)
- Fairchild, Louise A. M., (See Fairchild, Charles B., assignor.)
- Fairchild, Roland J., assignor to National Water Lift Company, Kalamazoo, Mich. Piston pump. 1,690,857; Nov. 6.
- Fairchild, Sherman M., New York, N. Y. Aerial camera. 1,661,864; Mar. 6.
- Fairchild, Sherman M., and E. R. Morton, New York, N. Y.; said Morton assignor to said Fairchild. Gyroscopic control of cameras and other optical devices. 1,679,354; Aug. 7.
- Fairchild, Walter L., New York, N. Y. Vulcanizing apparatus for pneumatic tubes and the like. 1,673,352; June 12.
- Fairchild, Walter L., New York, N. Y. Vulcanizing hollow rubber articles. 1,673,353; June 12.
- Fairchild, Walter L., New York, N. Y. Valve-stem-locking mean for inner-tube molds and the like. 1,680,777; Aug. 14.
- Fairchild, William, assignor to Albany Perforated Wrapping Paper Company, Albany, N. Y. Dispensing cabinet. 1,675,700; July 3.
- Fairey, Charles R., (See Hagger, Victor, assignor.)
- Fairfield Engineering Company, The. (See Walker, Henry B., assignor.)
- Fairball, Lawrence T., Cambridge, Mass. Retort for the distillation of oil shales. 1,656,107; Jan. 10.
- Fairhurst, Isaac J. D., Manchester, Iowa. Chain tightener and fastener. 1,689,120; Oct. 23.
- Fairhurst, John T., Forest Hills, assignor to J. S. Wilson Corporation, New York, N. Y. Wardrobe. 1,658,593; Feb. 7.
- Fairmont Railway Motors, Inc. (See Kasper, Walter F., assignor.)
- Fair Play Caramels, Inc. (See Trauger, John W., assignor.)
- Fair, Robert, Philadelphia, Pa. Shade holder for shipping boxes. 1,693,199; Nov. 27.
- Fairweather, Howard H., (See Dillon, J. H., and Fairweather.)
- Fairweather, Starr W., assignor to V. Irving Smart, Montreal, Quebec, Canada, and himself. Rail anchor. 1,674,859; June 26.
- Fairy Brassiere Co. (See Imershein, H., and Ginsburg, assignors.)
- Faison, Herman L., West Philadelphia, Pa. Loud speaker. Des. 75,617; June 26.
- Faison, Sherwood B., Cincinnati, Ohio. Shingle, slate, and tile roof. 1,668,269; May 1.
- Faistenhammer, Max, Binghamton, N. Y. Paper-bag handle. 1,693,110; Nov. 27.

- Faith Mfg. Co. (See Faith, S., and Klasstörner, assignors.)
 Faith Manufacturing Company. (See Faith, S., and Klasstörner, assignors.)
 Faith, Stephen, Chicago, Ill. Motor safety signal. 1,657,857; Jan. 31.
 Faith, Stephen, Chicago, Ill. Radiator-cap-ornament holder. 1,659,252; Feb. 14.
 Faith, Stephen, and S. Klasstörner, assignors to Faith Mfg. Co., Chicago, Ill. Radiator-cap ornament. Des. 74,558; Feb. 28.
 Faith, Stephen, and S. Klasstörner, assignors to Faith Manufacturing Company, Chicago, Ill. Automobile radiator-cap ornament. Des. 75,228; May 22.
 Falbe, Erwin E., and Q. Rohrer, Cornell, Wis. Electric-lamp socket. 1,687,718; Oct. 16.
 Falck, Fritz W., assignor of one-half to D. M. Palmer, Los Angeles, Calif. Apparatus for producing sound. 1,663,831; Mar. 27.
 Falck, Hans J., Notodden, assignor to Norsk Hydro-Elektrisk Kvaestofaktiskelskab, Oslo, Norway. Separating compounds of potassium from compounds of aluminum. 1,667,968; May 1.
 Falck, Joseph E., Pittsburgh, Pa., assignor to National Casket Company, Inc. Burial casket. Des. 75,482; June 12.
 Falck, Joseph E., assignor to National Casket Company, Pittsburgh, Pa. Burial casket. Des. 75,966; Aug. 7.
 Falck, Joseph E., assignor to National Casket Company, Pittsburgh, Pa. Burial casket. Des. 75,967; Aug. 7.
 Falck, Joseph E., assignor to National Casket Company, Pittsburgh, Pa. Burial casket. Des. 75,968; Aug. 7.
 Falck, Joseph E., assignor to National Casket Company, Pittsburgh, Pa. Burial casket. Des. 75,969; Aug. 7.
 Falck, Joseph E., assignor to National Casket Company, Pittsburgh, Pa. Burial casket. Des. 75,970; Aug. 7.
 Falck, Siri, Stockholm, Sweden. Massage appliance. 1,671,019; May 22.
 Falcke, Emil, Berlin, Germany, assignor to General Electric Company. Throttling fluid-pressure-operated devices. 1,672,716; June 5.
 Falcke, Emil, and K. Lehmann, Berlin, Germany, assignors to General Electric Company. System of control. 1,683,175; Sept. 4.
 Falco, Michael, Canonsburg, Pa. Lifting device. 1,693,074; Nov. 27.
 Falconer, Duncan R., Camden, N. J. Pump. 1,689,071; Oct. 23.
 Falconer, Frank A. (See Spencer, A. W., and Falconer.)
 Fales, Elisha N., Dayton, Ohio, and F. W. Caldwell, Lookout Mountain, Tenn. Visualizing air-flow phenomena. 1,676,984; July 10.
 Falk Corporation, The. (See Banner, Otto A., assignor.)
 Falk Corporation, The. (See Day, Percy C., assignor.)
 Falk Corporation, The. (See Frentzel, Herman E., assignor.)
 Falk Corporation, The. (See Jury, Frank W., assignor.)
 Falk, Erwin H., Davenport, Iowa. Machine for making mattresses. 1,691,924; Nov. 20.
 Falk, Max, assignor to Bay State Collapsible Tube Company, Leominster, Mass. Discharge nipple for collapsible tubes. 1,658,233; Feb. 7.
 Falk, Pierre R., New York, N. Y. Air circulating and heating apparatus. 1,666,816; Apr. 17.
 Falken, August, Jamaica, N. Y. Bookmarker. 1,676,644; July 10.
 Falkenburg, Arthur E., Whitehall, N. Y. Cigar-ash retainer. 1,661,035; Feb. 28.
 Falkentorp, Georg E. (See Erichsen, V. H., and Falkentorp.)
 Falkenwalde, Oscar, assignor of one-half to R. H. Lyon, Baltimore, Md. Fuel burner. 1,691,650; Nov. 13.
 Falkner-Nuttall, George R., San Francisco, Calif. Suspension tower. 1,668,197; May 1.
 Falkner, Ralph S., Melbourne, Victoria, Australia. Cane-harvesting machine. 1,673,354; June 12.
 Falkner, Ralph S., Melbourne, Victoria, Australia. Cane-harvesting machine. 1,678,285; July 24.
 Falkins, Fred B., Winfield, N. Y. Universal woodworking machine. 1,668,061; May 1.
 Falknor, Frank B. (See Breisch, E. W., and Falknor.)
 Falknor, Frank B., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Superheterodyne receiver. 1,682,495; Aug. 28.
 Fallek, Joseph, Brooklyn, N. Y. Grapefruit shield. 1,661,036; Feb. 28.
 Fallek, Nathan, Los Angeles, Calif. Storage-battery separator element and producing same. 1,690,573; Nov. 6.
 Fallert, Clifford D., assignor to Robert Gaylord Incorporation, St. Louis, Mo. Packing case. 1,667,887; May 1.
 Fallon, John. (See Harr. F. D., and Fallon.)
 Fallon, William J., Jr., Boston, Mass. Welting for boots and shoes. 1,662,495; Mar. 13.
 Fallon, William J., Jr., Boston, Mass. Welting and making same. 1,666,444; Apr. 17.
 Fallot, Alfred, deceased, Plauen, Germany; H. Priester, executor. Offset printing machine. 1,668,999; May 8.
 Fallot, Alfred, deceased, Plauen, Germany; H. Priester, executor. Rotary printing machine. 1,693,504; Nov. 27.
 Falls, William A., assignor to L. A. Young Industries, Inc., Detroit, Mich. Spring structure. 1,665,539; Apr. 10.
 Fals, Santiago. (See de la Cuesta, Francisco and M. M., Iarapar, and Fals.)
 Falster, John H., Oakland, Calif. Locked closure for tank openings. 1,663,296; Mar. 20.
 Falstrom, Henry W., assignor to Eastern Tool & Mfg. Company, Bloomfield, N. J. Clip for electric-light bulbs. 1,691,799; Nov. 13.
 Famous Players Lasky Corporation. (See Garbutt, Frank E., assignor.)
 Famous Players-Lasky Corporation. (See Garbutt, F. E., and Pear, assignors.)
 Famous Players-Lasky Corporation. (See Pomeroy, Roy J., assignor.)
 Fanberg, Oscar, Hensley, W. Va. Scraper. 1,685,399; Sept. 25.
 Fancher, Charles J., assignor to The Hubbard Corporation, Windsor, Vt. Box. 1,668,234; May 1.
 Fandrey, Hugo C., Embarrass, Wis. Plow hitch. 1,671,632; May 29.
 Fanger Beet Harvester Company, The. (See Kopitke, W. H., and Ronfeldt, assignors.)
 Fanger, Herman J., assignor to W. H. Gundersen, Oakland, Calif. Soldering iron. 1,660,920; Feb. 28.
 Fanger, Nathan, New York, N. Y. Wheeled carrying case. 1,683,029; Sept. 4.
 Fanner Mfg. Co., The. (See Gibson, Samuel H., assignor.)
 Fannin, Charles M., Winona, W. Va. Tire rack. 1,686,741; Oct. 9.
 Fanning, William A., Chicago, Ill. Wall construction. 1,688,230; Oct. 16.
 Fansler, Isaiah J., sr., Watts, Calif. Fuel economizer and air-inlet valve for internal-combustion engines. 1,689,280; Oct. 30.
 Fansteel Products Company. (See Austin, M. M., and Balke, assignors.)
 Fansteel Products Company. (See Balke, Clarence W., assignor.)
 Fansteel Products Company. (See Danley, Warren E., assignor.)
 Fansteel Products Company. (See Engle, Edgar W., assignor.)
 Fansteel Products Company. (See Engle, E. W., and Lincoln, assignors.)
 Fansteel Products Company. (See Engle, E. W., and Olesen, assignors.)
 Fansteel Products Company. (See Miller, Harry N., assignor.)
 Fansteel Products Company. (See Stryker, Clinton E., assignor.)
 Fantum Mirror, Inc. (See Ruckelhaus, John G., assignor.)
 Fantz, Fred C., Webster Groves, assignor to Midwest Piping & Supply Company, Incorporated, St. Louis, Mo. Forming flanges on pipes. 1,696,229; Dec. 25.
 Faragher, Warren F. (See Gruse, W. A., and Faragher.)
 Farbenfabriken vorm. Friedr. Bayer and Co. (See Meckbach, Ernst, assignor.)
 Farber, Clayton W. (See Breyer, F. G., and Farber.)
 Farber, Simon W., Brooklyn, N. Y. Holder for glasses. Des. 74,598; Mar. 6.
 Farber, Simon W., Brooklyn, N. Y. Holder for glasses. Des. 74,599; Mar. 6.
 Farber, Simon W., Brooklyn, N. Y. Holder for glasses. Des. 74,731; Mar. 20.
 Farber, Simon W., Brooklyn, N. Y. Holder for glasses. Des. 74,973; Apr. 24.
 Farch, Mogens, Cleveland Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Elevator-car construction. 1,687,087; Oct. 9.
 Farden, Nels, Battle Lake, Minn. Funnel. 1,662,147; Mar. 13.
 Farenc, Jean, Paris, France. Automatic stopping system for railroad cars. 1,681,106; Aug. 14.
 Faries Manufacturing Company. (See Peters, Henry M., assignor.)
 Faris, Harold P., Chicago, assignor to Kroehler Manufacturing Company, Naperville, Ill. Chair. Des. 76,860; Nov. 13.
 Faris, Harold P., Chicago, assignor to Kroehler Manufacturing Company, Naperville, Ill. Sofa. Des. 76,861; Nov. 13.
 Faris, Harold P., Chicago, assignor to Kroehler Manufacturing Company, Naperville, Ill. Sofa. Des. 76,862; Nov. 13.
 Faris, Harold P., Chicago, assignor to Kroehler Manufacturing Company, Naperville, Ill. Upholstering. 1,695,581; Dec. 18.
 Farish, Edward A., Auteuil, France. Polish applying and rubbing implement. 1,663,545; Mar. 27.
 Faris, John N., Portland, Oreg. Ironing board. 1,687,754; Oct. 16.
 Farish, William A., assignor to Buffalo Refractory Corporation, Buffalo, N. Y. Making refractory products and articles produced thereby. 1,658,406; Feb. 7.
 Farley, George E., assignor to Service Equipment Co., Southgate, Calif. Combined tire-inflating valve and gauge. 1,666,283; Apr. 17.
 Farley, John C., Opelika, Ala. Adjustable door-fastening device. 1,659,317; Feb. 14.
 Farley, John C., Opelika, Ala. Vacuum-tube contact device. 1,675,485; July 3.
 Farley, John W., Cleveland, Ohio. Plate thimble for pipes. 1,695,645; Dec. 18.
 Farley, Preston J., Califfon, N. J. Spool. 1,684,019; Sept. 11.

- Farman, Henri, Billancourt, France. Liquid-level indicator. 1,692,163; Nov. 20.
- Farman, Henri & Maurice. (See Waseige, Charles, assignor.)
- Farman, Henry, Paris, France. Distribution of motors for aircraft. 1,655,362; Jan. 3.
- Farman, Pearl L., Athens, Mich. Safety headlight for automobiles. 1,672,452; June 5.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,657,530; Jan. 31.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Feed-valve device. 1,657,531; Jan. 31.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety handle device. 1,660,483; Feb. 28.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,660,485; Feb. 28.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,668,009; May 1.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,668,010; May 1.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve handle. 1,671,090; May 22.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Dummy coupling. 1,674,769; June 26.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston ring. 1,674,770; June 26.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Signal-valve device. 1,679,024; July 31.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rotary compressor. 1,681,574; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,681,575; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,681,576; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,681,577; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,681,578; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake cylinder. 1,681,579; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,681,580; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,681,581; Aug. 21.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train stop. 1,685,840; Oct. 2.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Crank-case vent. 1,685,841; Oct. 2.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,685,842; Oct. 2.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Duplex pressure retainer. 1,685,843; Oct. 2.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,689,233; Oct. 30.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,693,646; Dec. 4.
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Air purifier. 1,693,647; Dec. 4.
- Farmer, Clyde C., Pittsburgh, and J. C. McCune, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic safety brake. 1,668,008; May 1.
- Farmer, Clyde C., Pittsburgh, and T. H. Thomas, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,660,484; Feb. 28.
- Farmer, Clyde C., Pittsburgh, and T. H. Thomas, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,671,089; May 22.
- Farmer, Ernest H., London, England. Producing colored photographic prints. 1,669,869; May 15.
- Farmer, Fred, Brooklyn, N. Y., assignor to American Machine and Foundry Company. Paper-feed control. 1,664,026; Mar. 27.
- Farmer, Fred, Brooklyn, N. Y., assignor to American Machine and Foundry Company. Wrapping-machine control. 1,689,428; Oct. 30.
- Farmer, Gordon C., Blacksburg, Va. Motor-driven rotary toothbrush. 1,692,980; Nov. 27.
- Farmer, John F., Indianapolis, Ind. Antiglare motor-vehicle lamp. 1,680,211; Aug. 7.
- Farmer, John F., assignor to W. and C. J. Wonders, Indianapolis, Ind. Hitch for engine lifters. 1,689,170; Oct. 23.
- Farmer, Thomas, Birmingham, and C. H. Sorensen, Detroit, Mich. Magnetic drop hammer. 1,659,594; Feb. 21.
- Farmer, William J., Wirt, Okla. Rim breaker. 1,660,747; Feb. 28.
- Farmers Loan and Trust Company, The, et al., executors. (See Schweinert, Maximilian C.)
- Farmers Manufacturing Company. (See Hunt, Sylvester H., assignor.)
- Farmers' National Bank, trustee. (See French, C. A., and Waterman, assignors.)
- Farmers' National Bank, trustee. (See Waterman, Russell R., assignor.)
- Farney, Asa W., Clay County, Mo. Revetment. 1,656,476; Jan. 17.
- Farney, Asa W., Clay County, Mo. Dike or revetment. 1,681,638; Aug. 21.
- Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose material. 1,692,823; Nov. 27.
- Farnsworth, Fordyce B., Wadsworth, Ohio, assignor to Chicago Lubricating Company, Chicago, Ill. Automatic feed control for lubricators. 1,656,108; Jan. 10.
- Farnsworth, James E., et al. (See Brooks, Edward A., assignor.)
- Farnsworth, Marshall, Southbridge, Mass. Machine for drilling and pinning knife handles and the like. 1,679,415; Aug. 7.
- Farquharson, Irving W., Media, Pa. Spark plug. 1,677,516; July 17.
- Farr Alpaca Company. (See Alderman, Eugene R., assignor.)
- Farr, Burt J., and M. H. Westbrook, Battle Creek, Mich. Machine for re boring or refinishing cylinders. 1,683,339; Sept. 4.
- Farr, Fred D., Perry, N. Y., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Valve cap. 1,675,752; July 3.
- Farr, Frederick G., New York, N. Y. Hydraulic oil-delivery system. 1,657,532; Jan. 31.
- Farr, Joseph W., Oak Park, Ill. Roofing. 1,666,088; Apr. 17.
- Farr, Lucille. (See Wooldridge, John, assignor.)
- Farr, Warren H. (See Holler, W. E., and Farr.)
- Farrand, Clair L., Forest Hills, N. Y. Loud-speaker casing. Des. 77,146; Dec. 11.
- Farrand, Clair L., Forest Hills, N. Y. Diaphragm for loud speakers. 1,673,939; June 19.
- Farrand, Clair L., Forest Hills, N. Y., E. Ross, East Orange, and P. F. Godley, Upper Montclair, N. J.; said Ross and said Godley assignors to Farrand Mfg. Co. Inc., Long Island City, N. Y. Loud speaker. 1,656,579; Jan. 17.
- Farrand, Clair L., Forest Hills, N. Y., and E. Ross, East Orange, N. J.; said Ross assignor to Farrand Mfg. Co. Inc., Long Island City, N. Y. Actuating device for loud speakers. 1,658,802; Feb. 14.
- Farrand, Clair L., Forest Hills, N. Y., E. Ross, East Orange, N. J., and A. D. Silva, Forest Hills; said Ross and said Silva assignors to Farrand Mfg. Co. Inc., Long Island City, N. Y. Actuating device for loud speakers. 1,671,105; May 29.
- Farrand, Clair L., Forest Hills, N. Y., and E. Ross, East Orange, N. J.; said Ross assignors to Farrand Mfg. Co. Inc., Long Island City, N. Y. Electromagnetic device. 1,679,765; Aug. 7.
- Farrand, Clair L., Elizabeth, N. J., assignor by mesne assignments, to Radio Corporation of America. Vacuum-tube apparatus and controlling same. 1,656,187; Jan. 17.
- Farrand Mfg. Co. Inc. (See Farrand, C. L., and Ross, assignors.)
- Farrand Mfg. Co. Inc. (See Farrand, C. L., Ross, and Godley, assignors.)
- Farrand Mfg. Co. Inc. (See Farrand, C. L., Ross, and Silva, assignors.)
- Farrel-Birmingham Company. (See Baker, Albert A., assignor.)
- Farrel-Birmingham Company. (See Banbury, Fernley H., assignor.)
- Farrel-Birmingham Company. (See Bowen, D. R., Dardis, and Farrel, assignors.)
- Farrel-Birmingham Company. (See Farrel, Franklin, jr., assignor.)
- Farrel-Birmingham Company. (See Gordon, William A., assignor.)
- Farrel Foundry & Machine Co. (See Kessler, Armin G., assignor.)
- Farrel, Franklin, jr. (See Bowen, D. R., Dardis, and Farrel.)
- Farrel, Franklin, jr., New Haven, assignor, by mesne assignments, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Cane mill. 1,655,094; Jan. 3.
- Farrel Birmingham Company. (See Farrel, Franklin, jr., assignor.)
- Farrell, Chettie P., Detroit, Mich. Air brake. 1,661,933; Mar. 6.
- Farrell, Ernest, Salford, Manchester, England. Cloth expander. 1,660,224; Feb. 21.

- Farrell, Franklin, jr., New Haven, assignor, by mesne assignments, to Farrell Birmingham Company, Incorporated, Ansonia, Conn. Cane mill. 1,691,546; Nov. 13.
- Farrell, Fred, Sacramento, Calif. Power-driven butcher saw. 1,661,217; Mar. 6.
- Farrell, Fred, assignor to Electrical Engineers Equipment Company, Chicago, Ill. Expulsion fuse. 1,673,868; June 19.
- Farrell, Frederick W., assignor to McLaurin-Jones Co., Brookfield, Mass. Coated paper. 1,683,453; Sept. 4.
- Farrell, Horace A., Logan, Okla. Mail-box signal. 1,671,520; May 29.
- Farrell, James L. (See Johnston, L. M., and Farrell.)
- Farrell, John B., Philadelphia, Pa. Rug strand and making the same. 1,658,434; Feb. 7.
- Farrell, Richard R., and W. Lehnhoff, San Luis Obispo, Calif. Valve tool. 1,659,523; Feb. 14.
- Farrell, Sydney T., Newton, Mass. Game. 1,667,147; Apr. 24.
- Farrell, Sydney T., Newton, Mass. Football game. 1,667,148; Apr. 24.
- Farren, C. F., et al. (See Beck, Matthias A., assignor.)
- Farrington, Frank H., Birmingham, Ala. Lap table. 1,670,145; May 15.
- Farrington, James C., La Fayette, Ind. Fence guard. 1,664,603; Apr. 3.
- Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuits. 1,654,927; Jan. 3.
- Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Duplex communication. 1,659,945; Feb. 21.
- Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Duplex transmission system. 1,660,072; Feb. 21.
- Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiosignaling. 1,668,270; May 1.
- Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission system. 1,672,975; June 12.
- Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,687,932; Oct. 16.
- Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical signaling system. 1,687,933; Oct. 16.
- Farrington, John F., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,692,437; Nov. 20.
- Farris, Clayton, et al. (See Christie, Walter, assignor.)
- Farris, Joseph, Springfield, Ill. Water base for furnaces. 1,659,355; Feb. 14.
- Farris, Lucian D., Bronx, N. Y. Changeable-character sign. 1,671,707; May 29.
- Farrow, Edward S., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Making cellulose acetate. 1,679,968; Aug. 7.
- Farrow, Ernest L., deceased, Cleveland Heights, Ohio; P. Farrow, administratrix. Flexible cord or strip puzzle. 1,685,400; Sept. 25.
- Farrow, Pauline, administratrix. (See Farrow, Ernest L.)
- Farum, Elcie P., and E. H. Specht, assignors to Oakland Machinery Company, Oakland, Calif. Combined bumper and luggage carrier. 1,691,547; Nov. 13.
- Farver, Warner E., et al. (See Kaser, Walter I., assignor.)
- Farwell, Fay O., Toledo, Ohio. Loud speaker. Re17,024; July 3.
- Farwell, Fay O., Toledo, Ohio. Loud speaker. 1,674,323; June 19.
- Fascetta, Michael, New York, N. Y. Antiseptic container for barkers' tools. 1,676,012; July 3.
- Fassbender, Henry, Council, Idaho. Box lifter. 1,687,552; Oct. 16.
- Fasshauer, Walter H., Philadelphia, Pa. Lintel. 1,681,286; Aug. 21.
- Fast, Gustave, Annapolis, assignor to The Bartlett Hayward Company, Baltimore, Md. Flexible shaft coupling. 1,666,445; Apr. 17.
- Faul, Dominick, New York, N. Y. Fire extinguisher. 1,679,243; July 31.
- Fate Root Health Company, The. (See Carter, Floyd B., assignor.)
- Fathauer, Alvin J., Cleveland, Ohio. Coil-winding means. 1,663,751; Mar. 27.
- Fatscher, George C., and C. E. Billings, assignors to The New Haven Sand-Blast Company, New Haven, Conn. Sand-blast machine. 1,661,934; Mar. 6.
- Faubert, Harry W., and E. E. Wheelock, Woonsocket, R. I. Denture brush. Des. 75,971; Aug. 7.
- Faubert, Harry W., and E. E. Wheelock, Woonsocket, R. I. Denture brush. 1,696,433; Dec. 25.
- Faucher, Edgar W., and H. W. Dills, Los Angeles, Calif. Radiator-cap ornament. Des. 75,678; July 3.
- Faudi, Fritz, Dusseldorf-Oberkassel, Germany. Making shafts, connecting rods, and the like. 1,693,838; Dec. 4.
- Faudi, Fritz, Dusseldorf-Oberkassel, Germany. Joining tubular members. 1,693,839; Dec. 4.
- Faudi, Fritz, Dusseldorf-Oberkassel, Germany. Ball-and-socket joint. 1,693,840; Dec. 4.
- Faulconer, Richard R. and W. E. Lewiston, Mo. Saw set. 1,676,013; July 3.
- Faulconer, William E. (See Faulconer, Richard R. and W. E.)
- Faulds, Norval M., Clearwater, Fla. Device for porch curtains. 1,676,327; July 10.
- Faulhaber, Jacob, Siershahn im Westerwald, Germany. Catch drop for bottles. 1,683,176; Sept. 4.
- Faulkner, David S., and E. Timbs, Los Angeles, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Draw-works drum and locking the drums and flange sections thereof. 1,684,482; Sept. 18.
- Faulkner, Edwin S., Chicago, Ill. Bird house. Des. 75,618; June 26.
- Faulks, Harry T., Elizabeth, N. J. Toe plate for shoes. 1,659,524; Feb. 14.
- Faultless Caster Company. (See Noelting, William H., assignor.)
- Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
- Faure, Charles E., Ivry-sur-Seine, assignor to Société à Responsabilité Limitée Bonnat & Cie., Paris, France. Fastening device for belts. 1,676,083; July 3.
- Faurot, Joseph A. (See Wolfe, C. L., and Faurot.)
- Faurot, Henry, Chicago, Ill. Piston ring. 1,668,954; May 8.
- Faurot, Joseph A. (See Wolfe, C. L., and Faurot.)
- Fausek, Arthur J. and I. F., St. Louis, Mo. Welding and cutting torch. 1,660,328; Feb. 28.
- Fausek, Arthur J. and I. F., St. Louis, Mo. Reducing valve. 1,691,758; Nov. 13.
- Fausek, Irving F. (See Fausek, Arthur J. and I. F.)
- Fausser, Ernst G. (See Garrard, C. R., and Fausser.)
- Fausser, Giacomo, Novara, Italy. Apparatus for the production of synthetic ammonia. 1,686,371; Oct. 2.
- Fausser, Oscar W., Bellerose, N. Y. Linoleum or similar hard-surfaced floor covering. Des. 74,974; Apr. 24.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,485; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,486; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,487; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,488; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,489; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,490; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,491; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,492; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,493; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,494; Feb. 21.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,823; Apr. 17.
- Fausser, Oscar W., Bellerose, N. Y., assignor to Congoleum-Nairn, Inc. Rug or similar article. Des. 74,829; Apr. 3.
- Fausse, Joseph, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,678,854; July 31.
- Faust, Carl, Stuttgart, Germany. Spring-colling tool. 1,671,983; June 5.
- Faust, Jacob, Passaic, N. J. Steam pressing iron. 1,677,819; July 17.
- Faust, Levin, et al. (See Swenson, Carl E., assignor.)
- Faust, William N., Kansas City, Mo. Suspended aerial-cable terminal. 1,675,602; July 3.
- Favale, Alfredo, Detroit, Mich. Electric water heater. 1,660,787; Feb. 28.
- Favarger, Francois, assignor to Fabrique d'Appareils Electriques Favarger, Societe Anonyme, Neuchatel, Switzerland. Electric switch. 1,656,188; Jan. 17.
- Favarger, Francois, Neuchatel, Switzerland, assignor, by mesne assignments, to National Teleregister Corporation, New York, N. Y. Electric signaling apparatus. 1,685,776; Oct. 2.
- Favary, Ethelbert, New York, N. Y. Valve mechanism. 1,669,161; May 8.
- Favini, William. (See Furedy, F., Schroth, and Favini.)
- Favor, Henry S., and G. J. Pfeiffer, Providence, R. I., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Box indicator for Jacquard looms. 1,692,981; Nov. 27.
- Fawcett, Alvin A., San Francisco, assignor of one-fourth to H. S. Bradshaw, Piedmont, and one-fourth to C. A. Bradshaw and one-fourth to W. J. Swart, Oakland, Calif. Floor-nailing machine. 1,693,290; Nov. 27.
- Fawcett, Leroy, Sharon, Pa., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Manufacture of cast-steel chain. 1,656,371; Jan. 17.

- Fawcett, Walter W., Shaker Heights, assignor to Fuller & Smith, Cleveland, Ohio. Carton or similar article. Des. 76,992; Nov. 27.
- Fawick, Thomas L., Racine, Wis. Transmission. 1,655,497; Jan. 10.
- Fawick, Thomas L., Racine, Wis. Marine gear. 1,655,679; Jan. 10.
- Fawick, Thomas L., Racine, Wis. Transmission unit. 1,657,008; Jan. 24.
- Fawick, Thomas L., Racine, Wis. Transmission. 1,675,538; July 3.
- Fawick, Thomas L., Racine, Wis. Gearing. 1,680,672; Aug. 14.
- Fawkes, Charles G., Denver, Colo. Forming air pockets in solid rubber. 1,673,974; June 19.
- Fawkes, Leslie H. (See Stroud, Charles M., assignor.)
- Faxon, Coit D. (See Rawstorn, Donald, assignor.)
- Fay, Carl J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic switch. 1,664,201; Mar. 27.
- Fay, Carl J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Sandwich toaster. 1,687,662; Oct. 16.
- Fay, Charles P., Springfield, Mass. Pliers. 1,662,108; Mar. 13.
- Fay, Eli P., Los Angeles, Calif. Producing battery separator blanks. 1,673,669; June 12.
- Fay, J. A., & Egan Company, The. (See Johnson, Gustave T., assignor.)
- Fay, Joseph G., Seattle, Wash. Governor. 1,677,961; July 24.
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for performing soldering operations. 1,659,911; Feb. 21.
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for heat treating articles. 1,659,946; Feb. 21.
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for dispensing matter. 1,673,281; June 12.
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for assembling members. 1,677,178; July 17.
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering and welding tool and the like. 1,691,052; Nov. 13.
- Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for producing soldering units comprising solder and fluxing material. 1,696,268; Dec. 25.
- Fay, Richard D. (See Brush, C. F., jr., and Fay.)
- Fay, Richard D., Cambridge, and R. E. Brewer, Boston, Mass. Sound-radiating device. 1,656,514; Jan. 17.
- Fay, Richard D., Cambridge, and R. E. Brewer, Boston, Mass. Sound-radiating device. 1,667,251; Apr. 24.
- Fay, Richard D., Cambridge, and R. E. Brewer, Boston, Mass. Method of and apparatus for radiating sound waves. 1,674,895; June 26.
- Fayer, Charles. (See Wappler, F. H., Hultman, and Fayer.)
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Electrical hair-curling apparatus. 1,667,726; May 1.
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Electrically-operated hair-curling machine. 1,683,717; Sept. 11.
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Self-starting synchronous induction motor. 1,695,484; Dec. 18.
- Fayer, Charles, Flushing, N. Y., assignor to Wappler Electric Company, Inc. Electrosurgical apparatus. 1,695,485; Dec. 18.
- Fayer, Charles, Flushing, and F. Tichy, Long Island City, N. Y. Automobile signal. 1,659,022; Feb. 14.
- Fayer, Charles, Flushing, and F. H. Wappler, Elmhurst assignors to Wappler Electric Company, Inc., Long Island City, N. Y. Rectifying transformer. 1,682,748; Sept. 4.
- Fazekas, Leopold, Kalocsa, Hungary. Emergency brake and signaling device for motor cars. 1,660,419; Feb. 28.
- Feagles, Ralph L., Fort Wayne, Ind. Top for containers. 1,670,885; May 22.
- Feagles, Ralph L., Fort Wayne, Ind. Container. 1,682,039; Aug. 28.
- Fear, Ralph G. (See Garbutt, F. E., and Fear.)
- Fearing, Justin L., Jamaica, assignor to Western Electric Company, Incorporated, New York, N. Y. Control of electric waves. 1,673,002; June 12.
- Fearing, Justin L., Jamaica, assignor to Western Electric Company, Incorporated, New York, N. Y. High-efficiency discharge-device system. 1,695,042; Dec. 11.
- Fearn, Richard L., Philadelphia, Pa. Heat-saturation indicator. 1,669,510; May 15.
- Feaster, Edward B., Lowell, and C. B. Almy, Marblehead, assignors to Saco-Lowell Shops, Newton Upper Falls, Mass. Spindle. 1,681,764; Aug. 21.
- Feaster, Edward B., Lowell, and C. B. Almy, Marblehead, assignors to Saco-Lowell Shops, Newton Upper Falls, Mass. Spindle. 1,681,801; Aug. 21.
- Feaster, Edward B., and A. W. Arnold, Lowell, assignors to Saco-Lowell Shops, Boston, Mass. Spindle. 1,681,800; Aug. 21.
- Feather, George, assignor to William Asquith Limited, Halifax, England. Electrically-driven drilling machine and like machine tool. 1,680,212; Aug. 7.
- Feather, George, assignor to William Asquith Limited, Halifax, England. Radial-drilling machine. 1,680,213; Aug. 7.
- Feather, George, assignor to William Asquith Limited, Halifax, England. Electrically-driven radial drill. 1,680,214; Aug. 7.
- Feathers, Luther M., assignor of one-half to C. S. Bowers, Johnson City, Tenn. Punch for attaching labels, etc. 1,664,289; Mar. 27.
- Febrey, Harold H., Newark, N. J., assignor to The American Steel and Wire Company of New Jersey. Rail bond. 1,688,696; Oct. 23.
- Fecher, Jacob, Ludenscheid, assignor to Lüdenscheider Metall-Werke Akt.-Ges. vorm. Jul. Fischer & Basse, Ludenscheid, Westphalia, Germany. Safety locking device. 1,676,014; July 3.
- Fechheimer, Carl J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Centrifugal pump. 1,676,946; July 10.
- Fechheimer, Carl J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stabilization of transmission lines. 1,685,993; Oct. 2.
- Fechheimer, Carl J., Pittsburgh, Pa., assignor to Western Electric & Manufacturing Company. Pressure meter. 1,686,688; Oct. 9.
- Fedco Number Plate Corporation. (See Wheeler, William H., assignor.)
- Fedderman, George C., assignor to Auto Loading Device Manufacturing Company, Detroit, Mich. Nail. 1,691,470; Nov. 13.
- Fedders, John M., assignor to Fedders Manufacturing Company Inc., Buffalo, N. Y. Radiator core. 1,657,463; Jan. 31.
- Fedders, John M., Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc. Radiator. 1,675,796; July 3.
- Fedders, John M., Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc. Core for radiators. 1,679,517; Aug. 7.
- Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Core for radiators. 1,680,673; Aug. 14.
- Fedders, John M., assignor to Fedders Manufacturing Company Inc., Buffalo, N. Y. Radiator core. 1,682,327; Aug. 28.
- Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator core. 1,683,340; Sept. 4.
- Fedders Manufacturing Company. (See Fedders, John M., assignor.)
- Fedders Manufacturing Company. (See Slagel, Franklin G., assignor.)
- Fedders Manufacturing Company Inc. (See Slagel, Franklin G., assignor.)
- Federal Abrasives Company. (See White, Harold E., assignor.)
- Federal Can Company. (See Drake, Frank M., assignor.)
- Federal Electric Company. (See Campbell, Hugh S., assignor.)
- Federal Glass Company, The. (See Cornwell, Virgil O., assignor.)
- Federal Glass Company, The. (See Hanford, Orin A., assignor.)
- Federal Glass Company, The. (See Middendorf, David L., assignor.)
- Federal Laboratories, Inc. (See Bradner, Donald B., assignor.)
- Federal Laboratories, Inc. (See Bradner, D. B., and Oglesby, assignors.)
- Federal Laboratories, Inc. (See Oglesby, N. E., and Ehrenfeld, assignors.)
- Federal Manufacturing Company. (See Jackson, Aldrich L., assignor.)
- Federal Manufacturing Company. (See Olinger, Thomas, assignor.)
- Federal Mogul Corporation. (See Blomstrom, Lowell C., assignor.)
- Federal Mogul Corporation. (See Leyland, John, assignor.)
- Federal Phosphorus Company. (See Carothers, John N., assignor.)
- Federal Phosphorus Company. (See Carothers, J. N., and Booth, assignors.)
- Federal Phosphorus Company. (See Klugh, Bethune G., assignor.)
- Federal Phosphorus Company. (See Neville, Neil, assignor.)
- Federal Phosphorus Company. (See Noble, Albert, assignor.)
- Federal Pressed Steel Company. (See Hansen, F. D., and Tinker, assignors.)
- Federal Pressed Steel Company. (See Tinker, Herbert W., assignor.)
- Federal Steel Sash Company. (See Nesheim, Anders H., assignor.)
- Federal Telegraph Company. (See Alder, F. W., and Baruch, assignors.)
- Federal Telegraph Company. (See Brower, William M., assignor.)

- Federal Telegraph Company. (See Greaves, Valentine F., assignor.)
- Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
- Federal Telegraph Company. (See Kolster, F. A., and Solie, assignors.)
- Federal Telephone Manufacturing Corporation. (See Horle, Lawrence C. F., assignor.)
- Federal Tin Company. (See Costello, Frank J., assignor.)
- Federated Engineers Development Corporation. (See Swing, Alfred, assignor.)
- Federbush, Charles. (See Federbush, Max W. and J. D., and Baxter and Federbush.)
- Federbush, Jacob D. (See Federbush, Max W. and J. D.)
- Federbush, Jacob D. (See Federbush, Max W. and J. D., and Baxter and Federbush.)
- Federbush, Max W. and J. D., New York, N. Y. Removable window tag for binders. 1,677,277; July 17.
- Federbush, Max W. and J. D., and D. J. and T. R. Baxter, and C. Federbush, New York, N. Y. Magazine binder. 1,687,434; Oct. 9.
- Fedler, Joseph H., Kansas City, Mo., assignor, by mesne assignments, to Modern Laundry Machine Manufacturing Company. Motor support for washing machines. 1,688,119; Oct. 16.
- Feebery, James F., Collingdale, Pa. Work-holding appliance. 1,664,202; Mar. 27.
- Feeley, Frank G., Chicago, Ill., assignor to M. D. Knowlton Company, Rochester, N. Y. Paper-box-making machine. 1,687,289; Oct. 9.
- Feeley, Frank G., Chicago, Ill., assignor to M. D. Knowlton Company, Rochester, N. Y. Blank-feeding mechanism. 1,687,290; Oct. 9.
- Feeley, William J., Providence, R. I., assignor to Apostleship of Prayer, Incorporated, New York, N. Y. Emblem frame. Des. 74,668; Mar. 13.
- Feeney, George, and T. O'Connor, assignors of one-tenth to T. O'Brien, Columbus, Ohio. Automatic lock. 1,665,952; Apr. 10.
- Feeney, Thomas L., and H. Godoy, assignors, by mesne assignments, to Sentry Safety Control Corporation, Philadelphia, Pa. Dowser closing mechanism for motion-picture-projecting machines. 1,658,594; Feb. 7.
- Feeney, William P., Cheboygan, Mich. Felt washer. 1,682,496; Aug. 28.
- Feeney, William P., Cheboygan, Mich. Vacuum seal. 1,693,374; Nov. 27.
- Feeny, Edmund J., Muncie, Ind. Mule back duster. 1,680,317; Oct. 2.
- Fegley, Samuel E., Lancaster, Pa. Apparatus for forming fuel charges. 1,656,109; Jan. 10.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bros. Mfg. Co., Philadelphia, Pa. Chuck for extension bits. 1,661,935; Mar. 6.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bros. Mfg. Co., Philadelphia, Pa. Display tool holder. 1,675,171; June 26.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bros. Mfg. Co., Philadelphia, Pa. Chuck. 1,679,299; July 31.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bros. Mfg. Co., Philadelphia, Pa. Display tool holder. 1,681,107; Aug. 14.
- Fegley, Thomas J., and G. O. Leopold, assignors to North Bros. Mfg. Co., Philadelphia, Pa. Valve grinder. 1,693,437; Nov. 27.
- Fehn, Henry A., assignor to The Sweets Company of America, Inc., New York, N. Y. Sheet-metal display stand. 1,685,807; Oct. 2.
- Fehninger, Martin J. (See Ernst, J., Fehninger, and Paterson.)
- Fehr, Eugene J., and W. W. Darrow, assignor to Camel Company, Chicago, Ill. Metal car door. 1,658,978; Feb. 14.
- Febrenkamp, Emil W., assignor to Burd & Fletcher Company, Kansas City, Mo. Display container. 1,667,376; Apr. 24.
- Fehrle, Alfred. (See Kollé, W., Streitwolf and Fehrle.)
- Fehrmann, Adolf, Hamburg, Germany. Direction signal. 1,665,087; Apr. 3.
- Feichter, John, Chicago, Ill. Radiator construction. 1,696,346; Dec. 25.
- Feick, Otto, Schonau-on-the-Brenz, Germany. Sporting apparatus. 1,676,015; July 3.
- Feigelman, Herman A., Paterson, N. J. Desk accessory. Des. 74,778; Apr. 10.
- Feigelman, Herman A., Paterson, N. J. Folding box. 1,673,975; June 19.
- Feigelman, Herman A., Paterson, N. J. Pluricelled container. 1,682,838; Sept. 4.
- Feike, Lawrence V., and J. R. Payton, Des Moines, Iowa. Wax eliminator. 1,660,869; Feb. 28.
- Feilcke, Karl, Indianapolis, Ind. Windshield regulator. 1,688,578; Oct. 23.
- Feld, Alexander L., New York, N. Y., assignor to Electro Metallurgical Company. Alloy and making the same. 1,684,696; Sept. 18.
- Feld, Alexander L., Jackson Heights, N. Y., assignor to The Linde Air Products Company. Preheating the charge in shaft furnaces. 1,695,953; Dec. 18.
- Feinberg, Allen A., Minneapolis, Minn., assignor to Arctic Nu-Air Corporation, Chicago, Ill. Ventilating apparatus. 1,695,804; Dec. 18.
- Feinberg, Archie, Chicago, Ill., and I. M. Halverson, Boone, Iowa, assignors to Arctic Nu-Air Corporation, Chicago, Ill. Blower unit. 1,669,459; May 15.
- Feinberg, Max, Brooklyn, N. Y. Collapsible box. 1,671,020; May 22.
- Feinstein, Max. (See Miller, C., and Feinstein.)
- Feist, Henry M., Buffalo, N. Y. Outdoor news stand. 1,671,359; May 29.
- Feist, Herman C., Rowena, Tex. Mail-box latch and signal. 1,685,874; Oct. 2.
- Feisthamel, Frederick L., et al. (See Foster, Clarence B., assignor.)
- Fejes, Eugene, Budapest, Hungary. Crank and like case. 1,694,555; Dec. 11.
- Fejes, Jenő, Budapest, Hungary. Vehicle brake. 1,656,189; Jan. 17.
- Fejes, Jenő, Budapest, Hungary. Brake drum. 1,661,218; Mar. 6.
- Fejes, Jenő, Budapest, Hungary. Vehicle brake. 1,666,372; Apr. 17.
- Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,656,051; Jan. 10.
- Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Intake heater for internal-combustion engines. 1,673,068; June 12.
- Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Latch spindle and lock assembly. 1,679,026; July 31.
- Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Governor for ignition systems. 1,694,644; Dec. 11.
- Fekete, Stephen I., and M. H. Toncray, assignors to Hudson Motor Car Company, Detroit, Mich. Body for automobiles. 1,679,025; July 31.
- Felde, Andrew L., Barnesville, Minn. Screen. 1,695,371; Dec. 18.
- Felbel, Jacob, New York, assignor to Remington Typewriter Company, Ithaca, N. Y. Typewriting machine. 1,659,770; Feb. 21.
- Felbel, Jacob, New York, assignor to Remington Typewriter Company, Ithaca, N. Y. Typewriting machine. 1,680,973; Aug. 14.
- Feldheim, Felix S., Evanston, assignor of one-half to V. Karbowski, Chicago, Ill. Spring steel tire. 1,666,373; Apr. 17.
- Felding, William H., Pittsburgh, Pa., assignor to National Tube Company. Upsetting device. 1,683,661; Sept. 11.
- Feldkamp, Frederick A., Newark, N. J. Electric clock-winding mechanism. 1,657,617; Jan. 31.
- Feldman, Abraham G., Chicago, Ill. Child's bed or similar article. Des. 76,922; Nov. 20.
- Feldman, Abraham G., Chicago, Ill. Bed. Des. 76,923; Nov. 20.
- Feldman, Abraham G., Chicago, Ill. Wardrobe. Des. 76,924; Nov. 20.
- Feldman, Abraham G., Chicago, Ill. Nursery seat. 1,678,501; July 24.
- Feldman, Abraham G., Chicago, Ill. Crib. 1,692,083; Nov. 20.
- Feldman, David A. (See Will, A. J., and Feldman.)
- Feldman, J. M., Co. Inc. (See Holdeman, Harry R., assignor.)
- Feldman, J. M., Co., The. (See Holdeman, Harry R., assignor.)
- Feldt, Adolf. (See Schoeller, W., Feldt, Gerhke, and Borgwardt.)
- Feldtkeller, Richard, Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, Berlin. Artificial line. 1,639,334; Oct. 30.
- Felger, Rob., Ashtabula, Ohio. Quick-change link. 1,679,416; Aug. 7.
- Felix, Friedrich, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Product valuable as dispersing agent and making same. 1,680,778; Aug. 14.
- Fell, Hugh P., New York, N. Y. Ice-freezing tank. 1,671,945; May 29.
- Fell, James R., assignor to W. F. Dillard, Haleyville, Ala. Vehicle truck bed. 1,682,610; Aug. 28.
- Feller, Albert. (See Schmidt, O., Seydel, and Feller.)
- Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. High-speed-gear-generating machine. 1,662,109; Mar. 13.
- Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for grinding gears and the like. 1,667,727; May 1.
- Fellows, Frederick W., Los Angeles, Calif. Musical instrument. 1,685,401; Sept. 25.
- Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
- Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
- Fellows, Raemond N., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Selector tab. 1,659,137; Feb. 14.
- Fellows, Walter C., Philadelphia, Pa., assignor to C. R. Carver Company. Collapsible rewinder. 1,670,886; May 22.
- Fellows, Walter C., Philadelphia, Pa., assignor to C. R. Carver Company. Inking device for printing and embossing machines. 1,680,530; Aug. 14.
- Felmar, Victor, Taylorville, Ill. Toothbrush. 1,693,229; Nov. 27.
- Felten, Abram V. A., Pittsfield, Mass. Barrel-labeling machine. 1,657,382; Jan. 24.

- Felten and Guillaume Carlswerk Actien Gesellschaft. (See Schrürer, Eugen, assignor.)
- Feltes, Frank L., Cleveland, Ohio, assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Piston-casting machine. 1,663,693; Mar. 27.
- Felton, Andrew, Los Angeles, Calif. Power lawn mower. 1,672,250; June 5.
- Felton, Thomas M. (See Huber, H. V., and Felton.)
- Felty, Edna F., Philadelphia, Pa. Educational chart. 1,676,328; July 10.
- Fenaux, Fernand, assignor to Societe Anonyme Chantiers & Ateliers Augustin Normand, Le Havre, France. Mine recess of mine-planting submarines. 1,683,177; Sept. 4.
- Fenn, Loren C., Chinook, Wash. Pile scraper. 1,680,372; Aug. 14.
- Fennell, Charles H. (See Ross, Lloyd L., assignor.)
- Fennell, Charles H., Detroit, Mich. Polishing device. 1,657,569; Jan. 31.
- Fender, John B., Kaufman, Tex. Concrete culvert. 1,694,736; Dec. 11.
- Fenneman, Mary K. (See Fenneman, William H., assignor.)
- Fenneman, William H., Taft, Calif., assignor to M. K. Fenneman. Well-drill pitman bearing. 1,679,077; July 31.
- Fenneman, William H., Taft, Calif., assignor to M. K. Fenneman. Wrist-pin-bearing holder. 1,686,079; Oct. 2.
- Fenninger, Carl W. (See Ives, Frederic E., assignor.)
- Fenninger, Carl W., trustee. (See Ives, Frederic E., assignor.)
- Fenno, Grace L., Palos Park, Ill. Book-cover file. 1,696,629; Dec. 25.
- Fenoughy, William H., Belleville, Ill. Mangle. 1,656,783; Jan. 17.
- Fenstermacher, John D., Piedmont, assignor to Columbia Steel Corporation, San Francisco, Calif. Box. 1,673,109; June 12.
- Fenton, Daniel H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 74,363; Feb. 7.
- Fenton, James T., Salt Lake City, Utah. Dry-cleaning system. 1,669,235; May 8.
- Fenton Machine Tool and Die Co. (See Thatcher, Albert E., assignor.)
- Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Floating-trim stud. 1,696,156; Dec. 18.
- Fentress, George E. (See Lowman, M. C., Fentress, and Bane.)
- Fentress, George E., Los Angeles, Calif. Band-wheel counterweight. 1,678,286; July 24.
- Fentress, George E., Los Angeles, Calif. Belt tightener. 1,678,287; July 24.
- Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
- Ferber, Herman G., and J. A. Luyben, Fort Wayne, Ind. Vacuum cleaner. 1,676,858; July 10.
- Ferdon, Guy W., Cresskill, N. J. Fruit corer. 1,668,198; May 1.
- Ferdon, William S., Omaha, Nebr. Electric control apparatus. 1,689,121; Oct. 23.
- Fereday, Horace, Spanish Fork, Utah. Vehicle brake. 1,666,817; Apr. 17.
- Ferguson, Alexander D., Chicago, Ill., assignor to Sullivan Machinery Company. Valve mechanism. 1,659,812; Feb. 21.
- Ferguson, Berlin S., assignor to The Marion Steam Shovel Company, Marion, Ohio. Bail for excavating dippers and the like. 1,689,122; Oct. 23.
- Ferguson, Charles V., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 1,675,261; June 26.
- Ferguson, Edwin M. (See Barton, A. W. Du Lac, and Ferguson.)
- Ferguson, Elmer W., assignor to Connecticut Chiropractors' Association, New Haven, Conn. Automobile radiator emblem. Des. 76,993; Nov. 27.
- Ferguson, George, Los Angeles, Calif. Flying machine. 1,657,669; Jan. 31.
- Ferguson, Harry, Belfast, Ireland. Tractor and tractor implement. 1,687,719; Oct. 16.
- Ferguson, Herman B., Philadelphia, Pa. Garment bag. Des. 76,384; Sept. 25.
- Ferguson, James E., Cleveland, and H. L. Mooney, East Cleveland, assignors to The Lake Lithograph Company, Cleveland, Ohio. Display device for tires and the like. 1,682,745; Sept. 4.
- Ferguson, James E., Cleveland, and H. L. Mooney, East Cleveland, assignors to The Lake Lithograph Company, Cleveland, Ohio. Display carton. 1,684,579; Sept. 18.
- Ferguson, Jesse, Hoytville, Ohio. Ballot box. 1,655,459; Jan. 10.
- Ferguson, Joseph W., Pawhuska, Okla. Sand-green scraper. 1,678,695; July 31.
- Ferguson, Robert O., assignor of one-half to L. A. Sterchi, Bristol, Tenn. Anti-glare screen for headlights. 1,674,507; June 19.
- Ferguson, Royce G. (See Howell, T. H., and Ferguson.)
- Ferguson, Thomas B., St. Louis, Mo. Oil burner. 1,674,719; June 26.
- Ferguson, William C., St. Louis, Mo. Pipe-jointing element. 1,662,603; Mar. 13.
- Ferguson, William T., Beckley, W. Va. Gate structure for railway crossings. 1,655,896; Jan. 19.
- Fergusson, A. R., Mfg. Corp. (See Fergusson, Alan R., assignor.)
- Fergusson, Alan R., Buffalo, N. Y. Terminal connector for toy railways. 1,656,052; Jan. 10.
- Fergusson, Alan R., assignor to A. R. Fergusson Mfg. Corp., Buffalo, N. Y. Ice skate. 1,696,597; Dec. 25.
- Ferikel, Karl A., Los Angeles, Calif. Temperature-indicating means. 1,676,536; July 10.
- Ferlin, John J. (See Akeyson, S. M., and Ferlin.)
- Fernald, Benjamin G. (See Tappan, C. O., and Fernald.)
- Fernald, Charles H., Malden, Mass. Clamp. 1,665,877; Apr. 10.
- Fernández, Augustin, assignor of one-half to C. M. Conlon, New York, N. Y. Electrical fuse. 1,657,207; Jan. 24.
- Fernandez, Eugenio, Valparaiso, Chile. Oven. 1,694,211; Dec. 4.
- Fernbach, Auguste, Paris, France, and J. L. Yuill, York, assignors to Rowntree and Company Limited, of the Cocoa Works, York, England. Production of citric acid. 1,691,965; Nov. 20.
- Fernbach, Auguste, Paris, France, and J. L. Yuill, York, assignors to Rowntree and Company Limited, of the Cocoa Works, York, England. Production of citric acid. 1,691,966; Nov. 20.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Glass apparatus and lip tile therefor. 1,655,992; Jan. 10.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Flowing and drawing continuous sheet glass. 1,663,628; Mar. 27.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,670,246; May 15.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Plurality-sheet-drawing apparatus. 1,670,247; May 15.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass-drawing apparatus. 1,670,248; May 15.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for forming continuous sheet glass. 1,673,907; June 19.
- Fergren, Enoch T., assignor to The Owens Bottle Company, Toledo, Ohio. Feeding and shaping molten glass. 1,678,247; July 24.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-drawing apparatus. 1,684,437; Sept. 18.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Process and apparatus for maintaining sheet glass to width. 1,684,438; Sept. 18.
- Fergren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for drawing and flattening sheet glass. 1,692,548; Nov. 20.
- Fergren, Enoch T., Beaver, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass feeding and delivering mechanism and process. 1,677,436; July 17.
- Fernholtz, Carl W. (See Benson, E. J., Westberg, and Fernholtz.)
- Fernholtz, Emil. (See Benson, E. J., Westberg, and Fernholtz.)
- Ferrand, Fred, Southport, England. Machine for spinning yarn. 1,671,820; May 29.
- Ferranti, Limited. (See De Ferranti, Sebastian Z., assignor.)
- Ferrara, Louis, Brooklyn, N. Y. Sandpaper and rubbing machine. 1,670,851; May 22.
- Ferrari, Dario, Boston, Mass. Automobile tire. 1,658,632; Feb. 7.
- Ferrari, Earnest R., North Bend, Oreg. Cutting or slicing machine. 1,665,131; Apr. 3.
- Ferrari, John P., San Francisco, Calif. Power-driven fruit press. 1,677,517; July 17.
- Ferrari, Plinio, Milan, Italy, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Safety device for traction operation. 1,687,088; Oct. 9.
- Ferree, Clarence E. and G. R., Bryn Mawr, Pa. Perimeter. 1,693,979; Dec. 4.
- Ferree, Gertrude R. (See Ferree, Clarence E. and G. R.)
- Ferree, Marvin, New York, N. Y., and J. Wissmar, Cleveland, Ohio, assignors, by mesne assignments, to Telepix Corporation of America. Receiving paper and receiving solution for telautography. 1,666,329; Apr. 17.
- Ferree, Marvin, New York, N. Y., and J. Wissmar, Cleveland, Ohio, assignors to Telepix Corporation of America. Needle holder for telautographic apparatus. 1,666,330; Apr. 17.
- Ferree, Marvin, New York, N. Y., and J. Wissmar, Cleveland, Ohio, assignors to Picture Transmission Corporation, New York, N. Y. Governor for electric motors. 1,683,536; Sept. 4.
- Ferree, Marvin, New York, N. Y., and J. Wissmar, Cleveland, Ohio, assignors to Picture Transmission Corporation, New York, N. Y. Transmitting pictures and sending plate therefor. 1,689,666; Oct. 30.
- Ferrero, René, Geneva, Switzerland. Dirigible headlight. 1,693,375; Nov. 27.
- Ferrette, Louis, Paris, France. Closing and regulating cock for all liquids and gases. 1,691,602; Nov. 13.

- Ferris, Frank P., Lincoln, Nebr. Auxiliary transmission. 1,661,469; Mar. 6.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Hay carrier. 1,670,765; May 22.
- Ferris, Howard J., Harvard, Ill. Aeroplane swing. Des. 76,611; Oct. 16.
- Ferris, John P., assignor to The Oilgear Company, Milwaukee, Wis. Assembly press. 1,677,860; July 17.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic drive for machine tools. 1,690,069; Oct. 30.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic press. 1,692,771; Nov. 20.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Pump or motor. 1,696,139; Dec. 18.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic blank holder. 1,696,140; Dec. 18.
- Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic blank holder. 1,696,141; Dec. 18.
- Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. 1,674,965; June 26.
- Ferris, William S. (See Adams, Arthur J., assignor.)
- Ferris, William S. (See Olson, Percy W., assignor.)
- Ferris, William S., Elkhart, Ind. Chair. Des. 76,863; Nov. 13.
- Ferris, William S., Elkhart, Ind. Chair. 1,654,539; Jan. 3.
- Ferris, William S., Elkhart, Ind. Furniture construction. 1,662,457; Mar. 13.
- Ferris, William S., Elkhart, Ind. Chair. 1,662,458; Mar. 13.
- Ferris, William S., Elkhart, Ind. Chair. 1,678,004; July 24.
- Ferris, William S., Elkhart, Ind. Tablet armchair. 1,691,053; Nov. 13.
- Ferro, Claude B., San Bernardino, Calif. Traffic signal for motor vehicles. 1,677,624; July 17.
- Ferro, Rocco, Utica, N. Y. Stock and dies with oiling device. 1,679,820; Aug. 7.
- Ferro Stamping & Mfg. Company. (See Devereaux, William C., assignor.)
- Ferron, Lafayette P., Brockton, Mass. Boat. 1,658,080; Feb. 7.
- Ferry, Thomas F., Cleveland, Ohio. Vehicle spring shackle. 1,688,180; Oct. 16.
- Ferstl, Max F., Richmond Hill, N. Y. Belt. 1,661,936; Mar. 6.
- Féry, Charles J. V., Paris, France. Separating device for lead storage batteries. 1,685,695; Sept. 25.
- Fesler, Douglas F., Evanston, assignor to The Bassick Manufacturing Co., Chicago, Ill. Coupling. 1,673,003; June 12.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Co., Chicago, Ill. Lubricant compressor. 1,673,004; June 12.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,673,741; June 12.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,675,452; July 3.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Filter element. 1,682,897; Sept. 4.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,682,898; Sept. 4.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,685,484; Sept. 25.
- Fesler, Douglas F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,690,221; Nov. 6.
- Fesler, Milton A., Stamford, Conn., and J. N. MacRae, Jersey City, N. J., assignors to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 1,680,455; Aug. 14.
- Fest, Herman P., San Diego, Calif. Holder for photographs, cards, plates, or similar articles. 1,683,880; Sept. 11.
- Festary, Jose D., Santiago de Cuba, Cuba, assignor of one-half to Moore and Moore, Inc., Reading, Pa. Endless tread. 1,674,133; June 19.
- Fetter, Edward, Baltimore, Md. Handle grip. 1,663,694; Mar. 27.
- Fetter, Edward, assignor to The Pneumatic Tube Steam Splicer Company, Baltimore, Md. Vulcanizer. 1,655,095; Jan. 3.
- Fetter, Frank F., Bucklin, Kans. Gambrel hook and hoisting appliance. 1,670,029; May 15.
- Fetter, Orville J., Cincinnati, Ohio. Flushing device for dental cuspidors. 1,660,121; Feb. 21.
- Fetter, Ralph S., Buffalo, N. Y. Barrel closure. 1,670,442; May 22.
- Fetter, William, Baltimore, Md. Self-healing inner tube. 1,683,454; Sept. 4.
- Fettters, Charles A., Washington, D. C. Dog collar. 1,657,250; Jan. 24.
- Fetz, Werner, assignor to E. L. Bruce Company, Memphis, Tenn. End-matuer trim gauge for saws. 1,656,819; Jan. 17.
- Fetzer, Heinrich, Pforzheim, Germany. Earring with clamping bow. 1,684,348; Sept. 11.
- Fewkes, Joseph T., Philadelphia, Pa. Plant container. 1,689,017; Oct. 23.
- Fey, Edmund C., San Francisco, Calif. Gallery rifle. 1,668,675; May 8.
- Fexbusch, Martin, New York, N. Y., and P. W. Fleischer, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Gumming machine. 1,696,755; Dec. 25.
- Feyzes, Alois, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for building tires. 1,655,897; Jan. 10.
- Fezer, Wilhelm, assignor to Standard-Licht-Gesellschaft m. b. H., Frankfurt-on-the-Main, Germany. Burner for lamps for liquid fuel. 1,658,081; Feb. 7.
- Fiamma, Ermanno, Aquila, Italy. Radio telemechanic system. 1,663,073; Mar. 20.
- Fiber-Glass Food Cover Co. (See Nelson, Leigh G., assignor.)
- Fibiger, Augustus F., assignor of one-tenth to H. H. Phipps and E. J. Edwards, Spokane, Wash., and five-tenths to C. Fibiger, trustee. Swimming shoe. 1,691,385; Nov. 13.
- Fibiger, Charles, trustee. (See Fibiger, Augustus F., assignor.)
- Fibroc Insulation Company. (See Frederick, Louis T., assignor.)
- Ficarra, Francis, Brooklyn, N. Y. Automobile sanding device. 1,657,960; Jan. 31.
- Fick, Ludwig, Brooklyn, N. Y. Grating. 1,669,236; May 8.
- Fick, Otto W. (See Kantor, J., Fick, and Traxel.)
- Ficklen, Carter B., Fortress Monroe, Va. Indicator. 1,679,821; Aug. 7.
- Fidalgop Pulp Manufacturing Co. (See Anderson, Ossian, assignor.)
- Fidelity Machine Company. (See Larkin, Walter, assignor.)
- Fidelity National Bank and Trust Company of Kansas City, Missouri, et al., executors. (See Arbon, Paul.)
- Fidelity Radio Corporation. (See Hemming, John S., assignor.)
- Fiebkke, Carl F. W., Athens, assignor of one-tenth to O. Rademacher, Westboro, Wis. Wheel bridging for bad roads. 1,680,143; Aug. 7.
- Fiedler, Elias S., La Crosse, Wis. Plumber's plunger. 1,673,447; June 12.
- Fiedler, Hans W., Leipzig, Germany. Preserving vulcanized rubber. 1,661,887; Mar. 6.
- Fiegel, William J. (See Eggenweiler, C. W., and Fiegel.)
- Fiegel, William J., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Clamp for molding machines. 1,692,204; Nov. 20.
- Fiegel, William J., and W. S. Enderick, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Making ball-and-socket joints. 1,693,748; Dec. 4.
- Field, Allan B., Marple, England, assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,685,948; Oct. 2.
- Field, Burnham E. (See Franks, R., and Field.)
- Field, Charles H., Providence, R. I. Grinding head. 1,659,684; Feb. 21.
- Field, Crosby, Mahwah, N. J., assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Sublimation. 1,662,056; Mar. 13.
- Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Soaping and cleaning device. 1,682,117; Aug. 28.
- Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Cleaning device. 1,682,118; Aug. 28.
- Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Cleaning device. 1,682,119; Aug. 28.
- Field, Crosby, Brooklyn, N. Y., assignor to Brillo Manufacturing Company, Inc. Scrubber soap. 1,682,120; Aug. 28.
- Field, Cyrus W., deceased, Wauseon; C. B. Maxwell, executrix, assignor to C. B. Maxwell, Delta, Ohio. Merry-go-round. 1,661,219; Mar. 6.
- Field, Edward I. (See Cook, Edward W., assignor.)
- Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeating coil. 1,672,977; June 12.
- Field, Frank H., Jamestown, N. Y. Truck. 1,680,531; Aug. 14.
- Field, Frank H., Jamestown, N. Y. Ice rug. 1,695,709; Dec. 18.
- Field, Herbert D., assignor of one-half to R. C. McCrystal, Los Angeles, Calif. Carton knock-out. 1,678,426; July 24.
- Field, Jacob W., Peoria, Ill. Game device. 1,663,074; Mar. 20.
- Field, Jessie B., Waukesha, Wis. Brush. 1,674,593; June 19.
- Field, Joseph C., Orange, N. J., and F. Zogbaum, assignors to Western Electric Company, Incorporated, New York, N. Y. Control and indicating system for electric railways. 1,654,928; Jan. 3.
- Field, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,672,976; June 12.
- Field, Lee C., Cincinnati, Ohio. Chain saw. 1,667,347; Apr. 24.

- Field, Leonard D., assignor to Defender Photo Supply Co. Inc., Rochester, N. Y. Combination exposure device and container for sensitized material. 1,658,234; Feb. 7.
- Field, Lloyd M. (See Wiedmaier, Arthur A., assignor.)
- Field, Lloyd M., et al. (See Staples, Charles F., assignor.)
- Field, Marshall, Mills Corporation. (See Clark, Eugene F., assignor.)
- Field, Marshall S., assignor of twenty per cent to J. C. Mohl and forty per cent to C. H. Suiter, Davenport, Iowa. Spring suspension for vehicles. 1,661,530; Mar. 6.
- Field, Oscar S., Roselle, N. J., assignor, by mesne assignments, to Union Switch & Signal Co., Swissvale, Pa. Light socket. 1,677,114; July 10.
- Field, William H., Cleveland, Ohio. Inclined wall base and tile therefor. 1,659,253; Feb. 14.
- Fieldhouse, Matthew Y., Maysville, Ky. Water meter. 1,662,382; Mar. 13.
- Fielding, John, North Providence, assignor of one-half to J. P. Whitaker, Warwick, R. I. Flexible bracelet. 1,660,438; Feb. 28.
- Fielding, Owen, Olive Hill, Ky. Brick machine. 1,655,898; Jan. 10.
- Fielding, Walter J., Birmingham, England, assignor to Skinner Hill Co., New York, N. Y. Chandelier. Des. 76,742; Oct. 30.
- Fielding, Walter J., Birmingham, England, assignor to Skinner Hill Co., New York, N. Y. Chandelier. Des. 76,743; Oct. 30.
- Fields, Alvin G. (See McHugh, J. E., and Fields.)
- Fields, Austin. (See Kitchen, R. H., and Norris, assignors.)
- Fields, Harry R., Orlando, Fla., assignor to The E. T. Burrows Company, Portland, Me. Characterized check protector. 1,682,779; Sept. 4.
- Fien, Alphonsus, assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Metal window. 1,692,982; Nov. 27.
- Fife, Joseph R., Kansas City, Mo. Shingle strip. Des. 74,669; Mar. 13.
- Fifer, William A., assignor to Quincy Show Case Works, Quincy, Ill. Display case or similar article. Des. 75,679; July 3.
- Fiffeld, Albert F., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling device. 1,673,355; June 12.
- Fifth Avenue Coach Company. (See Forrester, Michael J., assignor.)
- Fifth Avenue Corset Company. (See Leonard, Joseph, assignor.)
- Figge, Carroll C., Chicago, Ill. Roof and shingle securing means. 1,678,333; July 24.
- Figge, Carroll C., Chicago, Ill. Roof and shingle securing means. 1,681,765; Aug. 21.
- Figueira, Joseph, New York, N. Y. Electric-light socket. 1,674,324; June 19.
- Fila, Walenty, Edwardsville, Pa. Propulsion device for ships. 1,681,108; Aug. 14.
- Filer, Adelbert F., assignor to H. H. Bryans, trustee, Birmingham, Ala. Automobile radiator, cap ornament. Des. 74,830; Apr. 3.
- Filer, George A., Cornell, Wis. Egg-case flat. 1,696,434; Dec. 25.
- Files, Adino F., Maumee, Ohio. Dispensing machine. 1,654,540; Jan. 3.
- Files, Adino F., Maumee, Ohio. Dispensing machine. 1,679,967; Aug. 7.
- Files, Adino F., Maumee, Ohio. Dispensing machine. 1,686,804; Oct. 9.
- Files, Elie R., Baldwin, Miss. Cotton chopper. 1,690,928; Nov. 6.
- Filippi, Antoine P., Paris, France. Marine automobile. 1,669,000; May 8.
- Filkins, Arthur J., Riverside, Ill., assignor to Paul Dickinson, Incorporated. Floor vent. 1,690,001; Oct. 30.
- Filmer, Dominik, Vienna, Austria. Electric flytrap. 1,664,027; Mar. 27.
- Filkwik Company. (See Miller, Felix B., assignor.)
- Filoon, Forest F., Minneapolis, assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Mandrel. 1,687,329; Oct. 9.
- Filloux, Louis J. F., Le Havre, France. Gun carriage with split trails. 1,673,817; June 19.
- Fillya, Nicholas S. (See Jordan, R. A., and Fillya.)
- Filmer, Bert M. (See Blake, William G., assignor.)
- Filson, George G. (See Milburn, J. M., and Filson.)
- Filstrup, Eddie C., assignor to Covell Manufacturing Co., Benton Harbor, Mich. Feed-finger-actuating device for saw-sharpening machines. 1,674,243; June 19.
- Filter, Frank R., Waltham, Mass., assignor to Standard Oil Company of New York, New York, N. Y. Tank wagon. 1,675,294; June 26.
- Filter Sack Manufacturing Co., The. (See Furbish, Frank B., assignor.)
- Filtrators Company. (See Sanftleben, Joseph F., assignor.)
- Filtrol Company. (See Baylis, Walter S., assignor.)
- Fitzel, Christian G., assignor of one-half to H. Steinruck, Erie, Pa. Variable curve-forming device. 1,689,234; Oct. 30.
- Fimbres, Jesus E., Nogales, Ariz. Stocking. Des. 74,495; Feb. 21.
- Finberg, David H., Brooklyn, N. Y., assignor to The Miller Rubber Company, Akron, Ohio. Heelless overshoe. 1,655,096; Jan. 3.
- Finberg, David H., Brooklyn, N. Y., assignor to The Miller Rubber Company, Akron, Ohio. Flexible rubber shoe. 1,657,075; Jan. 24.
- Finch, Earl R. (See Hisey, V. R., and Finch.)
- Finch, Herbert I., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Bearing-lubricating means. 1,656,702; Jan. 17.
- Finch, Paul R., assignor to A. C. White, Des Moines, Iowa. Liquid-pumping apparatus. 1,676,822; July 10.
- Finch, Spencer E., Bailey, N. C. Refuse receiving and handling apparatus. 1,688,271; Oct. 16.
- Finch, Stanley W., Washington, D. C. Needle and the like. 1,674,508; June 19.
- Finch, Willis E. (See Stimpson, W. F., and Finch.)
- Findlater, Walter E., Dunedin, Otago, New Zealand. Number plate for vehicles. 1,668,805; May 8.
- Findlay, George P., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube-frame bracket. 1,679,654; Aug. 7.
- Findlay, Robert, Manufacturing Company. (See Schwartz, Frederick, assignor.)
- Findley, Lester L., Los Angeles, Powder-placing syringe. 1,685,280; Sept. 25.
- Fine, Bernard M., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Web-cutting mechanism. 1,679,655; Aug. 7.
- Fine, Lewis. (See Schenck, C., and Fine.)
- Finger, Max, Madison, Wis. Dispensing device. 1,659,254; Feb. 14.
- Fingerprint Machine Corporation. (See Glass, C. F., Bock, and Milligan, assignors.)
- Fink, Charles F., assignor, by mesne assignments, to Commonwealth Bank of Baltimore, Baltimore, Md. Screw driver. 1,688,181; Oct. 16.
- Fink, Colin G., Yonkers, N. Y. Form of tungsten and producing the same. 1,675,486; July 3.
- Fink, Colin G., and A. H. Kopp, New York, N. Y., assignors to American Abrasive Metals Company. Abrasive surface and making same. 1,686,150; Oct. 2.
- Fink, Henry A., Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can-end-feeding mechanism for closing machines. 1,690,002; Oct. 30.
- Fink, Henry A., Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Packing device for filled-can-closing machines. 1,696,796; Dec. 25.
- Fink, Henry A., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Flanging can bodies and flanging head for carrying out the same. 1,695,232; Dec. 11.
- Fink, Henry A., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Automatic stack-lifting device. 1,695,233; Dec. 11.
- Fink, John H. (See Benner, R. C., and Fink.)
- Fink, John H. (See Benner, R. C., Briggs, and Fink.)
- Fink, Wilhelm, Bonn-on-the-Rhine, Germany. Machine for washing fruits and vegetables. 1,689,868; Oct. 30.
- Finkelstein, Joseph, Brooklyn, N. Y. Cording machine. 1,659,565; Feb. 21.
- Finkelstein, Max. (See Rose, Frederick A., assignor.)
- Finkelstein, Mendel. (See Saunders, L. E., and Finkelstein.)
- Finkenzeller, William J., assignor to Chase Companies Inc., Waterbury, Conn. Combined chain pendant and coupler. 1,656,667; Jan. 17.
- Finking, Ernst, Leipzig, Germany. Sound conduit for sound-recording and sound-reproducing instruments. 1,663,906; Mar. 27.
- Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Punch. 1,655,315; Jan. 3.
- Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf book. 1,673,670; June 12.
- Finley, Charles A., Rutherford, N. J., assignor to Boorum & Pease Company, New York, N. Y. Loose-leaf binder. 1,692,641; Nov. 20.
- Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Weatherproof and decayproof material. 1,667,201; Apr. 24.
- Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Pipe-wrapping machine. 1,669,555; May 15.
- Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Insulating board. 1,685,320; Sept. 25.
- Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Refrigerator-car construction. 1,687,934; Oct. 16.
- Finley, Dozier, Berkeley, and W. L. Rhoades, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Curing concrete. 1,694,588; Dec. 11.
- Finley, George C. (See Watkins, W. M., and Finley.)
- Finley, Sam E., Atlanta, Ga. Constructing roadways. 1,670,346; May 22.
- Finley, Sam E., Atlanta, Ga. Constructing wearing surfaces or roads and the like. 1,689,123; Oct. 23.
- Finley, Thomas M., St. Louis, Mo. Flying machine. 1,677,962; July 24.
- Finn, Abraham, Elizabeth, N. J. Automobile bumper. 1,658,764; Feb. 7.
- Finn, John, Mill Valley, Calif. Movable arm rest. 1,682,071; Aug. 28.

- Finn, Louis J., Peoria, Ill., and P. E. Morrill, assignors to Louis E. Bag Company, St. Louis, Mo. End closure for paper bags. 1,682,839; Sept. 4.
- Finn, Matthew J., Pittsburgh, Pa. Pump. 1,678,977; July 31.
- Finn, Matthew L. (See Sunday, Frank, assignor.)
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,659,595; Feb. 21.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming rubber heels. 1,664,604; Apr. 3.
- Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,682,780; Sept. 4.
- Finnegan, Martin J., New York, N. Y., assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator signal system. 1,686,606; Oct. 9.
- Finnell System, Incorporated. (See Finnell, Walter S., assignor.)
- Finnell, Walter S., Hannibal, Mo. Scrubbing machine. 1,694,737; Dec. 11.
- Finnell, Walter S., assignor to Finnell System, Inc., Hannibal, Mo. Floor-treating machine. 1,670,302; May 22.
- Finnell, Walter S., Hannibal, Mo., assignor to Finnell System, Incorporated. Floor-scrubbing machine. 1,685,485; Sept. 25.
- Finnen, William J., Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,695,889; Dec. 18.
- Finnessy, James E., Pittsburgh, Pa. Train retarder. 1,682,746; Sept. 4.
- Finney, Alfred C., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 1,657,251; Jan. 24.
- Finney, Cassius L., et al. (See Green, Lee B., assignor.)
- Finney, James M., (See Schroeder, Anthony, assignor.)
- Finkbeum, Louis G., St. Paul, Minn. Glare shield. 1,694,645; Dec. 11.
- Finsen, Eyvind. (See Gleason, J. E., Bryan, Finsen, and Slade.)
- Finsen, Eyvind. (See Head, E. C., Finsen, and Carlsen.)
- Finsen, Eyvind, assignor to Gleason Works, Rochester, N. Y. Hydraulic chuck. 1,656,624; Jan. 17.
- Finsen, Eyvind, and S. H. Earl, assignors to Gleason Works, Rochester, N. Y. Chuck for gear-generating machines. 1,656,625; Jan. 17.
- Finsk-Engelska Biscuit-Fabriks A. B. (See Elfving, Hemming A., assignor.)
- Finucane, Daniel J., Brooklyn, N. Y. Leader-pipe strap. 1,676,485; July 10.
- Florida, Anthony R., assignor to The Wine-Dip Company, Moberly, Mo. Jug. Des. 75,905; July 31.
- Firestone, James F., assignor to The Beckwith Company, Dowagiac, Mich. Oven. 1,680,456; Aug. 14.
- Firestone, Roger S., Akron, Ohio. Game. 1,656,943; Jan. 24.
- Firestone Steel Products Company, The. (See Brink, Winfield S., assignor.)
- Firestone Steel Products Company, The. (See Swain, Joseph G., assignor.)
- Firestone Tire and Rubber Company, The. (See Benner, W. W., and Hoener, assignors.)
- Firestone Tire and Rubber Company, The. (See Brown, Roy W., assignor.)
- Firestone Tire and Rubber Company, The. (See Bush, Albert A., assignor.)
- Firestone Tire and Rubber Company, The. (See Corlett, William A., assignor.)
- Firestone Tire and Rubber Company, The. (See Goodall, Fred, assignor.)
- Firestone Tire and Rubber Company, The. (See Hale, James E., assignor.)
- Firestone Tire and Rubber Company, The. (See Kolsick, John H., assignor.)
- Firestone Tire and Rubber Company, The. (See Maranville, Harvey F., assignor.)
- Firestone Tire & Rubber Company, The. (See Myers, Carmon A., assignor.)
- Firestone Tire and Rubber Company. (See Pade, Max H., assignor.)
- Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)
- Firestone Tire and Rubber Company, The. (See Scott, Frank W., assignor.)
- Firestone Tire and Rubber Company, The. (See Semler, Clyde M., assignor.)
- Firestone Tire and Rubber Company, The. (See Stevens, Horace D., assignor.)
- Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
- Firestone Tire and Rubber Company, The. (See Uschmann, Curt, assignor.)
- Firm Signal Gesellschaft m. b. H. (See Hahnemann, W., and du Bois Raymond, assignors.)
- Firm Society of Chemical Industry in Basle, The. (See Mayer, B., and Grimmer, assignors.)
- Firm Society of Chemical Industry in Basle, The. (See Straub, F., and Schneider, assignors.)
- Firma Hannover-Kassen-Gesellschaft m. b. H. (See Schubode, Albert, assignor.)
- Firpo, Federico, and J. A. Becerra, Cordoba, Argentina. Oil burner for limekilns and the like. 1,671,234; May 29.
- Firsching, Joseph A., Utica, N. Y. Drying machine. 1,678,383; July 24.
- First, Mahlon E., Lakewood, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Single-roll crusher. 1,664,877; Apr. 3.
- First National Bank of Duluth, The, executor. (See Bevier, Hutchinson L., assignor.)
- First Trust & Savings Bank of Pasadena, trustee. (See Key, James, F., assignor.)
- First Wisconsin Trust Company of Milwaukee, executor. (See Miller, Henry C.)
- Firth, Edward L., assignor to Roadless Traction Limited, Hounslow, England. Sprocket wheel. 1,670,718; May 22.
- Firth, Elmer W., Jamaica, assignor of one-half to H. G. Miller, New York, N. Y. Sewer catch basin. 1,664,853; Apr. 3.
- Firth, Herbert M., Niles Center, Ill. Light fixture. Des. 77,314; Dec. 25.
- Firth, James F., New York, N. Y. Gas-heated steam radiator. 1,684,371; Sept. 11.
- Firth-Sterling Steel Company. (See Comstock, Gregory J., assignor.)
- Fiscalini, George A., San Luis Obispo, Calif. Oil burner. 1,688,538; Oct. 23.
- Fisch, William, Atlanta, Ga. Bathing amusement apparatus. 1,655,498; Jan. 10.
- Fisch, William, Atlanta, Ga. Artificial-surf bathing pool. 1,679,156; July 31.
- Fischer, Albert C. (See Appleton, E. G., Fischer, and Mooney.)
- Fischer, Albert C., Des Plaines, Ill. Shingle or block construction. Re17,143; Nov. 20.
- Fischer, Albert C., Chicago, Ill. Expansion-contraction joint. 1,655,835; Jan. 10.
- Fischer, Albert C., Chicago, Ill. Expansion joint. 1,662,567; Mar. 13.
- Fischer, Albert C., Chicago, Ill. Expansion-joint installer. 1,664,605; Apr. 3.
- Fischer, Albert C., Chicago, Ill. Flashing for roofs or the like. 1,664,606; Apr. 3.
- Fischer, Albert C., Chicago, Ill. Preformed rail filler. 1,671,021; May 22.
- Fischer, Albert C., Chicago, Ill. Preformed rail filler. 1,671,022; May 22.
- Fischer, Albert C., Chicago, Ill. Expansion-joint section. 1,672,607; June 5.
- Fischer, Albert C., Chicago, Ill. Preparing expansion-joint composition. 1,680,144; Aug. 7.
- Fischer, Albert C., Chicago, Ill. Expansion joint. 1,653,881; Sept. 11.
- Fischer, Albert C., Chicago, Ill. Expansion joint. 1,659,945; Oct. 30.
- Fischer, Albert C., Chicago, Ill. Expansion joint. 1,691,234; Nov. 13.
- Fischer, Albert C., Chicago, Ill. Expansion joint. 1,694,212; Dec. 4.
- Fischer, Albert C., Chicago, Ill. Combined expansion and contraction joint—semi-hexagonal type. 1,694,213; Dec. 4.
- Fischer, Albert C., Chicago, Ill. Rail filler. 1,694,642; Nov. 20.
- Fischer, Arthur H., assignor to Guggenheim Brothers, New York, N. Y. Flotation process. 1,684,536; Sept. 18.
- Fischer, August, Bern, Switzerland. Medicament for treating diseases of the stomach and intestines. 1,656,784; Jan. 17.
- Fischer, C. A. (See Hays, B. D., assignor.)
- Fischer, Carl, Chicago, Ill. Battery terminal clamp. 1,658,160; Feb. 7.
- Fischer, Carl, West Homestead, assignor to American Heat Economy Bureau, Pittsburgh, Pa. Burner. 1,679,300; July 31.
- Fischer, Charles, New York, N. Y. Screen for telephones. 1,675,846; July 3.
- Fischer, Erich. (See Eichwede, H., Fischer, and Müller.)
- Fischer, Erich. (See Hoffa, E., and Fischer.)
- Fischer, Erich. (See Wagner, H., Eichwede, and Fischer.)
- Fischer, Erich, and C. E. Müller, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Producing yellow dyes on cellulose esters or cellulose ethers. 1,674,168; June 19.
- Fischer, Erich, and C. E. Müller, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Yellow azo dyestuff and preparing the same. 1,684,762; Sept. 18.
- Fischer, Ernest, Salem, Oreg. Gravitating hinge. 1,691,759; Nov. 13.
- Fischer, Ernst, H. Heyna, and C. J. Müller, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Violet vat dyestuff and preparing the same. 1,655,692; Jan. 10.
- Fischer, Frank, Larchmont, N. Y., and A. F. Van Pelt, Interlaken, N. J., assignor to Grant Oil Burner Corporation, Wilmington, Del. Electrical safety control circuit for automatic burner equipment. 1,666,331; Apr. 17.
- Fischer, Frank, Larchmont, N. Y., and A. F. Van Pelt, Interlaken, N. J., assignors to Grant Oil Burner Corporation, Wilmington, Del. Electrical circuit closer. 1,688,697; Oct. 23.

- Fischer, Frank, Larchmont, N. Y., and A. F. Van Pelt, Interlaken, N. J., assignors to Grant Oil Burner Corporation of Delaware, New York, N. Y. Electrical spark ignition means for burners. 1,638,864; Oct. 23.
- Fischer, Frank F., Oklahoma City, Okla. Memorial grave marker. Des. 75,832; July 24.
- Fischer, Frank F., Oklahoma City, Okla. Memorial grave marker. Des. 76,994; Nov. 27.
- Fischer, George E. (See Muntvan, Adalbert B., assignor.)
- Fischer, Gervasius W., and W. F. Sund, Madison, Wis. Foldable chair. 1,661,937; Mar. 6.
- Fischer, Harriman, Raceville, Nebr. Animal poke. 1,691,471; Nov. 13.
- Fischer, Helmut, Berlin-Friedenau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Producing of technical pure beryllium respectively for freeing metallic beryllium from impurities. 1,673,043; June 12.
- Fischer, Hermann, New York, N. Y. Sound transmitting and receiving diaphragm. 1,657,570; Jan. 31.
- Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 1,682,072; Aug. 28.
- Fischer, Howard L. and C. A. Ward, assignors to Brown & Bigelow, St. Paul, Minn. Calendar. Des. 74,787; Mar. 27.
- Fischer, Johannes, Cologne-Holweide, Germany. Price scale. 1,688,539; Oct. 23.
- Fischer, John J., Marion, Ind., and W. R. Payne, Denoya, Okla. Electrical insulator. 1,684,312; Sept. 11.
- Fischer, Josef, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electrical transformer construction. 1,668,110; May 1.
- Fischer, Joseph C., assignor of one-third to W. J. Hansen and one-third to G. L. Bellis, Wauwatosa, Wis. Hospital appliance. 1,669,192; May 8.
- Fischer, Louis, Philadelphia, Pa., assignor to Wright's Automatic Tobacco Packing Machine Company, Durham, N. C. Packaging machine. 1,690,895; Nov. 6.
- Fischer, Oskar, Berlin-Friedenau, Germany, assignor to N. V. Machina Maatschappij voor Handel en Industrie, Amsterdam, the Netherlands. Keyboard for type-writing machines. 1,678,334; July 24.
- Fischer, Ottillie L., Bancroft, Nebr. Brace for club feet. 1,656,322; Jan. 17.
- Fischer, Ottillie L. Bancroft, Nebr. Brace for club feet. 1,691,235; Nov. 13.
- Fischer, Otto, and W. Walther, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition coil for combustion motors. 1,659,596; Feb. 21.
- Fischer, Peter, Carroll, Iowa. Wagon. 1,637,115; Jan. 24.
- Fischer, Philip A., New York, N. Y., assignor to Adjusto Hat Corporation. Adjustable hat. Re17,064; Aug. 7.
- Fischer, Philip A., New York, N. Y. Adjustable hat. 1,663,124; Mar. 20.
- Fischer, Richard, assignor to the firm of Hartmann & Braun Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Recording galvanometer. 1,680,921; Feb. 28.
- Fischer, Sigmund, Providence, R. I. Unit for use in the manufacture of separable cuff links. 1,675,797; July 3.
- Fischer, Wilhelm. (See Liebert, H. R., and Fischer.)
- Fischer, William H., Sharpsburg, Pa. Antiskid device. 1,662,886; Mar. 20.
- Fish, Albert L. (See Higgins, H., Fish, and O'Hare.)
- Fish, George L., Los Angeles, assignor to R. Salisbury, trustee, Oakland, Calif. Emulsifying apparatus. 1,694,589; Dec. 11.
- Fish, Spencer C., La Crosse, Wis. Receptacle-holding automobile accessory. 1,679,715; Aug. 7.
- Fishback, Lloyd E., Eldorado, Ark. Lubricating system for traveling blocks including sheaves. 1,668,497; May 1.
- Fishel, Alvin S., Cleveland, Ohio. Brake supporting and operating mechanism. 1,678,696; July 31.
- Fishel, Alvin S., and E. I. Goulder, Cleveland, Ohio. Socket for expansion-bolt shields. 1,670,443; May 22.
- Fishel, E. C., et al. (See Dokkenwadel, Frederick G., assignor.)
- Fishel, Jesse C. (See Batchelder, Edmund, assignor.)
- Fishel, Robert G., Chicago, Ill. Combined display and vending cabinet. Des. 77,229; Dec. 18.
- Fishel, Robert G., Chicago, Ill. Display sign and means for mounting the same. 1,688,139; Oct. 16.
- Fisher, Albert H., East Cleveland, assignor of one-half to D. M. Stafford, Lakewood, Ohio. Window construction. 1,688,231; Oct. 16.
- Fisher, Alfred L., Yale, Iowa. Spring-driven-generator electric lamp. 1,655,601; Jan. 10.
- Fisher, Alfred L., Yale, Iowa. Control for aircraft. 1,675,928; July 3.
- Fisher, Barrett C. (See Raiziss, G. W., and Fisher.)
- Fisher, Benjamin K., St. Louis, Mo. Cigarette-rolling device. 1,682,219; Aug. 28.
- Fisher, Bertram, Charlottenburg, near Berlin, assignor to P. Rosenstein, Berlin, Germany. Surgical instrument for making ligatures. 1,691,386; Nov. 13.
- Fisher, Carl E., Clearwater, Fla. Salt shaker. 1,664,068; Mar. 27.
- Fisher, Carl G., Port Washington, N. Y. Electric switch attachment. 1,674,966; June 26.
- Fisher, Carl G., Port Washington, N. Y. Electric switch attachment. 1,675,847; July 3.
- Fisher, Charles. (See Thompson, R. J., and Fisher.)
- Fisher, Charles D., Beacon, assignor to The Toy Krofters, Inc., New York, N. Y. Toy vehicle. 1,668,360; May 1.
- Fisher, Charles, Kumardhubi, British India. Cableway. 1,690,929; Nov. 6.
- Fisher, Clarence A., Houston, Tex. Clothes drier. 1,674,509; June 19.
- Fisher, Clarence W., et al. (See Batchelder, Charles H., assignor.)
- Fisher, David G., et al. (See Woodman, Mark G., assignor.)
- Fisher, Elbert E., assignor of one-half to G. W. Batchell, Toledo, Ohio. Glass and its manufacture. 1,665,693; Apr. 10.
- Fisher, Elbert E., assignor of one-half to G. W. Batchell, Toledo, Ohio. Glass and its manufacture. 1,665,694; Apr. 10.
- Fisher, Elton E., et al. (See Batchelder, Charles H., assignor.)
- Fisher, Eugene S., and E. R. Mendrop, Hollandale, Miss. Guard finger for mowing machines. 1,667,627; Apr. 24.
- Fisher, Frederick, Lake Bluff, Ill., assignor to McCrosky Tool Corporation, Meadville, Pa. Shaft coupling. 1,671,521; May 29.
- Fisher, Garfield W. (See Jones, L. S., Fisher, and Henrikson.)
- Fisher, Garfield W. (See Jones, L. S., Henrikson, and Fisher.)
- Fisher, George E., Roselle, N. J. Continuously vulcanizing rubber stock. 1,661,888; Mar. 6.
- Fisher, George F. (See Gunther, F. W., and Fisher.)
- Fisher Governor Company, The. (See Browne, Lyle W., assignor.)
- Fisher Governor Company, The. (See Eige, Jacob, assignor.)
- Fisher, Harmon F., New York, N. Y., assignor to Cochran Corporation, Philadelphia, Pa. Flow meter. 1,671,106; May 29.
- Fisher, Harry C., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Coloring mineral matter. 1,680,941; Aug. 14.
- Fisher, Harry L., Leonia, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and producing the same. 1,668,235; May 1.
- Fisher, Harry L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and producing the same. 1,668,236; May 1.
- Fisher, Harry L., Leonia, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and producing the same. 1,668,237; May 1.
- Fisher, Henry C. (See Thompson, E. O., Grimes, and Fisher.)
- Fisher, Herbert E., Seattle, Wash. Signal device. 1,682,073; Aug. 28.
- Fisher, James, New Orleans, La. Cane harvester. 1,666,818; Apr. 17.
- Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Oil pump. 1,667,728; May 1.
- Fisher, James F., Honolulu, Hawaii. Sign. Des. 76,385; Sept. 25.
- Fisher, James P., Bartlesville, Okla., assignor, by mesne assignments, to Heat Treating Company, New York, N. Y. Distillation of liquid mixtures. 1,672,978; June 12.
- Fisher, James P., Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Return bend. 1,681,933; Aug. 28.
- Fisher, John A., et al. (See Cervvol, Albert, assignor.)
- Fisher, John J., assignor of one-half to T. Wittemann, Milwaukee, Wis. Tensioning device for metal strings for musical instruments. 1,684,057; Sept. 11.
- Fisher, John T., Tarentum, Pa. Carrying device for goggles. 1,693,505; Nov. 27.
- Fisher, Lee F., St. Louis, Mo. Toaster. 1,661,819; Mar. 6.
- Fisher, Ralph D., and E. M. Reardon, Long Beach, Calif. Bridging plug. 1,684,266; Sept. 11.
- Fisher, Raymond R., Dunedin, Otago, New Zealand. Water heater. 1,668,639; May 8.
- Fisher, R. Fenton. (See White, Ernest C., assignor.)
- Fisher, Robert B., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Lubrication of sleeve-principle engines. 1,687,494; Oct. 16.
- Fisher, Robert E., assignor to The George H. Bowman Company, Cleveland, Ohio. Scooter or coaster. 1,689,916; Oct. 30.
- Fisher, Roy, Los Angeles, Calif. Combined radiator-cap ornament and traffic signal. Des. 74,788; Mar. 27.
- Fisher, Roy, Los Angeles, Calif. Combined radiator-cap ornament and traffic signal. Des. 75,019; May 1.
- Fisher, Roy, Los Angeles, Calif. Traffic signal. Des. 75,156; May 15.
- Fisher, Roy, Los Angeles, Calif. Combined radiator-cap ornament and traffic signal. Des. 75,680; July 3.
- Fisher, Sydney, Fairfield, Conn., assignor to Flash Tray Advertising, Inc., New York, N. Y. Flash change tray. 1,665,132; Apr. 3.
- Fisher, W. Reuen, Detroit, Mich., assignor, by mesne assignments, to J. L. Geyer, L. C. List, and O. Trinklein, trustees. Drilling and reaming jig bushing. 1,660,190; Feb. 21.
- Fisher, Walter S., assignor to The Willisy-Overland Company, Toledo, Ohio. Balancer for internal-combustion engines. 1,658,979; Feb. 14.
- Fisher, Warren W., Los Angeles, Calif. Ear-phone holder. 1,664,106; Mar. 27.

- Fishman, Aaron, Chicago, Ill. Cabinet. Des. 74,421; Feb. 14.
- Fishwick, Albert B., Cincinnati, Ohio. Bag closure. 1,684,793; Sept. 18.
- Fishwick, Albert B., Cincinnati, Ohio. Radio appliance. 1,685,875; Oct. 2.
- Fisk, Charles R., Los Angeles, Calif. Sprinkler. 1,668,271; May 1.
- Fisk, Clark F., deceased, Camden, N. J.; H. L. Fisk, administratrix. Tire tube and flap and manufacture thereof. 1,672,858; June 5.
- Fisk, Hattie L., administratrix. (See Fisk, Clark F.)
- Fisk Rubber Company, The. (See Casticum, M., and Butterfield, assignors.)
- Fisk Rubber Company, The. (See Casticum, Martin, assignor.)
- Fisk Rubber Company, The. (See Dearth, Elmer E., assignor.)
- Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)
- Fisk Rubber Company, The. (See Dexter, Albert J., assignor.)
- Fisk Rubber Company, The. (See Edgett, William E., assignor.)
- Fisk Rubber Company, The. (See Fenton, Daniel H., assignor.)
- Fisk Rubber Company, The. (See Frank, Arthur A., assignor.)
- Fisk Rubber Company, The. (See Freeburg, Walter S., assignor.)
- Fisk Rubber Company, The. (See Hansen, Raymond, assignor.)
- Fisk Rubber Company, The. (See Healy, Leon J. D., assignor.)
- Fisk Rubber Company, The. (See Hennessy, Daniel E., assignor.)
- Fisk Rubber Company, The. (See Hubach, Gustave, assignor.)
- Fisk Rubber Company, The. (See Irrgang, William F., assignor.)
- Fisk Rubber Company, The. (See Lehman, Paul W., assignor.)
- Fisk Rubber Company, The. (See Lindsay, David M., assignor.)
- Fisk Rubber Company, The. (See Little, Thomas P., assignor.)
- Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
- Fisk Rubber Company, The. (See Mather, George L., assignor.)
- Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)
- Fisk Rubber Company, The. (See Mead, George J., assignor.)
- Fisk Rubber Company, The. (See Melvin, Ernest W., assignor.)
- Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
- Fisk Rubber Company, The. (See Mincher, Joseph F., assignor.)
- Fisk Rubber Company, The. (See Neal, Franklin G., assignor.)
- Fisk Rubber Company, The. (See Scherner, John, assignor.)
- Fisk Rubber Company, The. (See Southmayd, Leon N., assignor.)
- Fisk Rubber Company, The. (See Theroux, Hector J., assignor.)
- Fisk Rubber Company, The. (See Vrbanc, John, assignor.)
- Fisk Rubber Company, The. (See Weisse, Hugo C., assignor.)
- Fisk Rubber Company, The. (See Whittier, Elmer S., assignor.)
- Fisk Rubber Company, The. (See Wikle, George F., assignor.)
- Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Providence, R. I. Bread improver. 1,657,116; Jan. 24.
- Fiske, Bradley A., New York, N. Y. Reading machine. 1,669,870; May 15.
- Fison, Frederick J., Cambridge, assignor to Chivers & Sons Limited, Histon, Cambridge, England. Closure for bottles, jars, and other receptacles. 1,658,520; Feb. 7.
- Fison, Frederick J., Cambridge, assignor to Chivers & Sons Limited, Histon, England. Closure for jars, bottles, and similar receptacles. 1,658,521; Feb. 7.
- Fitch, Benjamin F., New York, N. Y. Apparatus for handling freight. 1,657,618; Jan. 31.
- Fitch, Benjamin F., Greenwich, Conn. Freight-handling apparatus. 1,657,076; Jan. 24.
- Fitch, Benjamin F., Greenwich, Conn. Crane safety device. 1,657,670; Jan. 31.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Hoist mechanism. 1,674,100; June 19.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Crane. 1,674,967; June 26.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Freight truck. 1,675,701; July 3.
- Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, Wilmington, Del. Locking mechanism for removable containers. 1,685,356; Sept. 25.
- Fitch, Benjamin F., Evanston, Ill., assignor to Motor Terminals Company, Wilmington, Del. Handling freight. 1,694,912; Dec. 11.
- Fitch, Benjamin F., New York, N. Y., assignor to Motor Terminals Company, Wilmington, Del. Freight-handling apparatus. 1,694,913; Dec. 11.
- Fitch, Bessie M., executrix. (See Fitch, Edward H.)
- Fitch, Charles M., and F. G. Moor, Kankakee, assignors to Sears, Roebuck and Co., Chicago, Ill. Portable oil heater. 1,658,161; Feb. 7.
- Fitch, Claude E., Wilmette, Ill. Vacuum tube. 1,681,329; Aug. 21.
- Fitch, Clyde J., Brooklyn, assignor to Radio Corporation of America, New York, N. Y. Radio receiving apparatus. 1,667,513; Apr. 24.
- Fitch, Edward H., deceased, Hudson, Ohio, B. McF. Fitch, executrix, assignor to The B. F. Goodrich Company. Resilient vehicle tire. 1,687,330; Oct. 9.
- Fitch, Francis E., Philadelphia, Pa., and M. W. Torbet, Jackson, Mich. Direct-reading viscosimeter. 1,696,630; Dec. 25.
- Fitch, Fred W., Des Moines, Iowa. Dispenser. 1,660,035; Feb. 21.
- Fitch, Jason A. (See Brainard, G. C., Fitch, and Gourley.)
- Fitch, Jason A. (See Brainard, G. C., Fitch, and Wolters.)
- Fitch, Jason A., assignor to The General Fireproofing Company, Youngstown, Ohio. Extension shelf for desks. 1,691,387; Nov. 13.
- Fitch, Jason A., and G. C. Brainard, assignors to The General Fireproofing Company, Youngstown, Ohio. Edge construction for furniture tops. 1,690,286; Nov. 6.
- Fitzger, Justus H. F., Midsommarkransen, Sweden. Liquid meter. 1,657,383; Jan. 24.
- Fithian, Lon, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Mold. 1,671,674; May 29.
- Fitts, James L., Merchantville, Pensauken Township, N. J., assignor to Warren Webster & Company. Thermostatic trap. 1,656,372; Jan. 17.
- Fitts, James L., Merchantville, N. J., assignor to Warren Webster & Company. Thermostatic trap. 1,656,373; Jan. 17.
- Fitts, Walter H., assignor to The Foxboro Company, Foxboro, Mass. Pressure-operated instrument. 1,681,109; Aug. 14.
- Fitz-Empire Double Pivot Last Company. (See Fitz, Guy B., assignor.)
- Fitz-Empire Double Pivot Last Company. (See O'Connor, John J., assignor.)
- Fitz-Empire Double Pivot Last Company. (See Slack, Walter W., assignor.)
- Fitz Gerald, Allan S., London, England, assignor to General Electric Company. Protective system. 1,696,598; Dec. 25.
- Fitz Gerald, Francis A. J., Niagara Falls, N. Y., and J. Kelleher, Chippawa, Ontario, Canada, assignors to Harper Electric Furnace Corporation. Electric furnace terminal. 1,657,671; Jan. 31.
- Fitz Gibbon Co., The. (See Fitz Gibbon, John, assignor.)
- Fitz Gibbon, John, Bronxville, assignor to The Fitz Gibbon Co., Inc., New York, N. Y. Glove. Des. 75,785; July 17.
- Fitzgerald, Alan S., London, England, assignor to General Electric Company. Electric switch. 1,680,674; Aug. 14.
- Fitzgerald, Guy W., Union, assignor of one-half to H. C. Shear, Waterloo, Iowa. Terminal connector. 1,688,182; Oct. 16.
- Fitzgerald, Harold D., Danville, Va. Radiator. 1,672,678; June 5.
- Fitzgerald, Harold D., Danville, Va. Coupling. 1,672,679; June 5.
- Fitzgerald, Horace H. (See Cove, H., and Fitzgerald, assignors.)
- Fitzgerald, Horace H. (See Van Veen, A., and Fitzgerald.)
- Fitzgerald, James E., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Double shipping container. 1,669,511; May 15.
- Fitzgerald, James E., Youngstown, assignor to The Niles Steel Products Company, Niles, Ohio. Container. 1,669,512; May 15.
- Fitzgerald, James H., Westfield, assignor to Ransome Concrete Machinery Company, Dunellen, N. J. Pneumatic concrete conveying and placing. 1,658,046; Feb. 7.
- Fitzgerald, John D., San Diego, Calif. Rod coupler. 1,667,311; Apr. 24.
- Fitzgerald, John E., Providence, R. I. Detachable ornament setting. 1,689,124; Oct. 23.
- Fitzgerald, John M., River Forest, Ill. Reinforced concrete cribbing. 1,688,305; Oct. 16.
- Fitz Gerald, Joseph G., assignor to Cental Alloy Steel Corporation, Canton, Ohio. Zinc coating ferrous metal. 1,675,646; July 3.
- Fitzgerald Manufacturing Company, The. (See Fitzgerald, Maurice F., assignor.)

- Fitzgerald Manufacturing Company, The. (See Fitzgerald, Patrick J., assignor.)
- Fitzgerald Manufacturing Company, The. (See Reichold, Ludwig, assignor.)
- Fitzgerald, Maurice F., Winsted, assignor to The Fitzgerald Mfg. Company, Torrington and Winsted, Conn. Flatiron-handle strap. Des. 74,559; Feb. 28.
- Fitzgerald, Maurice F., Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Current connector. 1,659,464; Feb. 14.
- Fitzgerald, Patrick J., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Antirattler. 1,679,244; July 31.
- Fitz, Guy B., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. 1,678,771; July 31.
- Fitz Harris, Thomas J., New Rochelle, assignor to Franklin Simon & Co. Inc., New York, N. Y. Shoe. Des. 74,789; Mar. 27.
- Fitz Harris, Thomas J., New Rochelle, assignor to Franklin Simon & Co. Inc., New York, N. Y. Shoe. Des. 76,681; July 3.
- Fitz Harris, Leo J., Brooklyn, assignor, by mesne assignments, to Franklin Simon & Co. Inc., New York, N. Y. Shoe. Des. 77,082; Dec. 4.
- Fitzjohn, Harry A., assignor to Fitzjohn Manufacturing Company, Muskegon, Mich. Motor bus. 1,660,377; Feb. 28.
- Fitzjohn Manufacturing Company. (See Fitzjohn, Harry A., assignor.)
- Fitzpatrick, Francis W., Evanston, Ill. Building unit and construction. 1,666,199; Apr. 17.
- Fitzpatrick, James R., New York, N. Y. Vehicle side and window washing machine. 1,666,170; Apr. 17.
- Fitzpatrick, John, Astoria, N. Y. Radiator inclosure. Des. 76,294; Sept. 11.
- Fitzpatrick, John L., Bowling Green, Ky. Valve construction. 1,690,162; Nov. 6.
- Fitzpatrick, Keene. (See Hart, H. R., and Fitzpatrick.)
- Fitzpatrick, Michael. (See Hargrove, O. P., and Fitzpatrick.)
- Fitzsimmons, John T. (See Walters, H. C., and Fitzsimmons.)
- Fitzsimmons, John T., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Lighting and battery charging system. 1,664,358; Mar. 27.
- Fitzsimmons, John T., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Circuit interrupter. 1,671,023; May 22.
- Fitzsimmons, John T., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Instrument panel. 1,694,006; Dec. 4.
- Fix, Frank B. (See Mishoe, George E., assignor.)
- Fixel, Arthur E., Detroit, Mich. Parachute. 1,691,711; Nov. 13.
- Fjeldstad, Carl A., Minneapolis, Minn. Heating, cooling, and humidifying system for buildings. 1,681,582; Aug. 21.
- Flad, Arthur, Berlin, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt bei Berlin, Germany. Telephone system. 1,657,117; Jan. 24.
- Flagg, Charles N., Meriden, Conn. Combination float and diaphragm valve. 1,676,084; July 3.
- Flagg, Ernest, New York, N. Y. Hinge. 1,675,262; June 26.
- Flagg, Ernest, New York, N. Y. Urinal. 1,675,263; June 26.
- Flagg, Wallace L., E. S. Wellock, and M. E. Stock, assignors to General Motors Corporation, Detroit, Mich. Wheel-stripping fixture. 1,668,527; May 1.
- Flagstad, Cornell, assignor of ninety-five one-hundredths to The Folding Crate & Box Company, Minneapolis, Minn. Collapsible crate. 1,661,419; Mar. 6.
- Flagstad, Cornell, assignor of 95 per cent to The Folding Crate and Box Co., and 2 1/2 per cent to O. A. Flagstad, Minneapolis, Minn. Collapsible crate. 1,687,331; Oct. 9.
- Flagstad, Cornell, assignor of 95 per cent to The Folding Crate and Box Co. and 5 per cent to O. A. Flagstad, Minneapolis, Minn. Crate. 1,690,896; Nov. 6.
- Flagstad, Oscar A., et al. (See Flagstad, Cornell, assignor.)
- Flaherty, James I. (See Benien, W., and Flaherty.)
- Flam, Stephen, Walnut Park, assignor to Supertile Machinery Corporation, Los Angeles, Calif. Multiple mold. 1,687,010; Oct. 9.
- Flam, Stephen, Walnut Park, assignor to Supertile Machinery Corporation, Los Angeles, Calif. Multiple mold. 1,696,756; Dec. 25.
- Flanagan, James L., Sacramento, Calif. Identification blotter. 1,667,542; Apr. 24.
- Flanagan, William B., Brooklyn, N. Y. Vegetable receptacle. Des. 76,535; Oct. 9.
- Flanigan, E. B., Incorporated. (See Flanigan, Edwin B., assignor.)
- Flanigan, Edwin B., assignor to E. B. Flanigan, Incorporated, Wilkes-Barre, Pa. Vehicle brake. 1,678,427; July 24.
- Flanigan, Edwin B., assignor to E. B. Flanigan, Incorporated, Wilkes-Barre, Pa. Vehicle brake. 1,694,776; Dec. 11.
- Flanigan, John J., Chicago, Ill. Duplicating machine. 1,687,157; Oct. 9.
- Flannery Bolt Company. (See Dodds, Ethan I., assignor.)
- Flannery Bolt Company. (See Greenslade, Grover R., assignor.)
- Flannery, John F., Carbondale, Pa. Vehicle headlight. 1,676,690; July 10.
- Flannery, John L., assignor to The Boye Needle Company, Chicago, Ill. Commodity cabinet. 1,684,913; Sept. 18.
- Flannery, J. Rogers. (See Cottrill, Kenyon, assignor.)
- Flansburg, Harold, Sibley, Mich. Apparatus for excavating postholes. 1,674,392; June 19.
- Flarsheim, Edwin S. (See Liebel, J. G. H., and Flarsheim.)
- Flarsheim, Edwin S., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Time-switch casing. Des. 76,789; Nov. 6.
- Flarsheim, Edwin S., assignor of one-half to J. G. H. Liebel, Cincinnati, Ohio. Time switch. 1,677,107; July 10.
- Flarsheim, Edwin S., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Spark gap. 1,696,157; Dec. 18.
- Flash Radio Corporation. (See Harding, Albert M., assignor.)
- Flash Tray Advertising, Inc. (See Fisher, Sydney, assignor.)
- Flath, Otto S. (See Lollis, Benjamin F., assignor.)
- Flath, Otto S., Chicago, Ill. Switch and signal-rod-carrier support. 1,684,954; Sept. 18.
- Flauder, Alfred J., Bridgeport, Conn. Salt and pepper shaker. Des. 75,906; July 31.
- Flauder, Alfred J., Bridgeport, Conn. Salt and pepper shaker. Des. 75,907; July 31.
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Cruet stand. Des. 74,215; Jan. 10.
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Combined salt and pepper shaker. Des. 74,496; Feb. 21.
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Combined salt and pepper shaker. Des. 74,924; Apr. 17.
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Combined salt and pepper shaker. Des. 75,101; May 8.
- Flather, Frederick, Lowell, Mass. Towel package. 1,673,763; June 12.
- Fleckenstein, George A. (See Waterman, M. L., and Fleckenstein.)
- Fleckenstein Pump Company. (See Edison, Russell L., assignor.)
- Fleeman, William J., St. Joseph, Mo. Burial case. 1,669,330; May 8.
- Fleetwood, Claude A., and W. H. Lysinger, Fort Dodge, Iowa, assignors to McLaughlin Coal Reduction Company, Decatur, Ill. Fuel feeder. 1,687,435; Oct. 9.
- Flegel, Benjamin F., and W. T. Lewis, assignors to Western Coil & Electrical Co., Racine, Wis. Dial and dial strip. 1,671,633; May 29.
- Flegel, Harrison D., assignor to Arnold Electric Company, Racine, Wis. Ice-cream disher. 1,669,703; May 15.
- Fleischer, Andrew W. (See Wickinson, F. S., and Fleischer.)
- Fleischer, Charles, Brooklyn, N. Y., assignor to J. F. Meyer, Chicago, Ill. Amusement device. 1,663,752; Mar. 27.
- Fleischer, Paul W. (See Feybusch, M., and Fleischer.)
- Fleischer, Paul W., Weehawken Heights, N. J., assignor to American Can Company, New York, N. Y. Topping mechanism for filled-can-closing machine. 1,673,236; June 12.
- Fleischli, John A., Clayton, assignor to Cupples Company, Manufacturers, St. Louis, Mo. Method of and apparatus for making rubber tubes. 1,676,776; July 10.
- Fleischman, Joseph, Key Gardens, N. Y. Legging. 1,668,535; May 1.
- Fleischmann, Charles R., Chicago, Ill. Shaving-paper holder. 1,690,858; Nov. 6.
- Fleischmann Company, The. (See Brown, Elmer B., assignor.)
- Fleischmann Company, The. (See Corby, R. L., and Bührig, assignors.)
- Fleischmann Company, The. (See Corby, R. L., Scales, and Bührig, assignors.)
- Fleischmann Company, The. (See Gore, Herbert C., assignor.)
- Fleischmann Company, The. (See Harrison, Arthur P., assignor.)
- Fleischmann Company, The. (See Kohman, H. A., Irvin, and Stateler, assignors.)
- Fleischmann Company, The. (See Ransohoff, Fred, assignor.)
- Fleischmann, Lionel, Berlin-Wilmersdorf, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Loud sneaker. 1,687,011; Oct. 9.
- Fleischmann, The. (See Hoffman, C., Frey, and Hildebrandt, assignors.)
- Fleisher, Walter L., New York, N. Y., assignor, by mesne assignments, to Auditorium Ventilating Corporation, Jersey City, N. J. Ventilating system. 1,670,656; May 22.
- Fleissner, Hans, Leoben, Austria. Drying coal and like fuels. 1,679,078; July 31.

- Fleiter, Andrew J., Akron, H. C. Bostwick, Kenmore, and T. A. Miller, assignors to The Akron Standard Mold Company, Akron, Ohio. Vulcanizer. 1,658,376; Feb. 7.
- Fleiter, Andrew J., and T. A. Miller, assignors to The Akron Standard Mold Company, Akron, Ohio. Mold-engraving machine. 1,667,687; Apr. 24.
- Fleming, Albert E., Richmond, assignor of one-third to H. T. L. Freshwater, Hampton, Middlesex, England. Holder for golf-club shafts. 1,660,329; Feb. 28.
- Fleming, Ambrose, Washington, D. C. Cartridge-loading magazine pencil. 1,673,069; June 12.
- Fleming, Ambrose, Alexandria, Va. Magazine pencil. 1,674,357; June 19.
- Fleming, Clifford A., Huntsville, Mo. Tractor sweep rake. 1,664,974; Apr. 3.
- Fleming, David S. (See Berry, J. C., and Fleming.)
- Fleming, George W. (See White, Muerk E., assignor.)
- Fleming, George W., Worcester, Mass. Polishing attachment for vacuum cleaners. 1,697,729; May 1.
- Fleming, George W., and R. W. Ellingham, assignors to Fleming Machine Company, Worcester, Mass. Spark-plug-cleaning device. 1,690,629; Nov. 6.
- Fleming, Ivan R., Ainsdale, Lancaster, England. Weather hood of boats. 1,690,285; Nov. 6.
- Fleming, James R., Scranton, Pa. Mine-car-truck frame. 1,664,069; Mar. 27.
- Fleming, James R., Scranton, Pa. Journal box for car wheels. 1,680,329; Aug. 14.
- Fleming, Joseph P. (See Wakefield, C. E., Fleming, and Oliver.)
- Fleming Machine Company. (See Fleming, G. W., and Ellingham, assignors.)
- Fleming, Norman O., assignor to The Atmospheric Cooling Co., Inc., Huntington Park, Calif. Cooling tower. 1,674,281; June 19.
- Fleming, Richard, Westfield, N. J. Method and apparatus for continuously condensing oil-cracking still vapors. 1,655,053; Jan. 3.
- Fleming, Samuel N., Hopkinsville, Ky. Accessory for radio signal receivers. 1,678,288; July 24.
- Fleming, Wells S., Portland, Oreg. Roof drain. 1,690,630; Nov. 6.
- Fleming, Willis M., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Valve. 1,676,179; July 3.
- Flemming, Walter, Ludwigshafen, and H. Klein, Mannheim, assignors to Silesia Verein Chemischer Fabriken Ida- und Marienhütte, Saarau, Germany. Separation of mono- and dialkyl derivatives of aromatic amines. 1,695,372; Dec. 18.
- Flemming, Walter, Mannheim, assignor to Silesia Verein Chemischer Fabriken, Ida- und Marienhütte, Post Saarau, Kreis Schweidnitz, Germany. Oxidation of alkyl-aryl-substituted dithiocarbamic acids to the corresponding disulphides. 1,662,664; Mar. 13.
- Fletcher, Albert T. (See Dormont, Frank C., assignor.)
- Fletcher, George. (See Beach, J. M., and Fletcher.)
- Fletcher, George V., Minneapolis, Minn. Oil burner. 1,674,282; June 19.
- Fletcher, George V., Minneapolis, Minn., assignor to H. J. Clark and L. W. Place, Minneapolis, Minn., and E. Marr, Philadelphia, Pa. Oil burner. 1,674,283; June 19.
- Fletcher, Harold W., Houston, Tex. Cleaning soaking drums. 1,676,889; July 10.
- Fletcher, Harvey, assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustical apparatus. 1,661,751; Mar. 6.
- Fletcher, Howard C., assignor to M. J. Wolf, Cleveland, Ohio. Method and apparatus for making continuous metallic strips. 1,671,360; May 29.
- Fletcher, John P., U. S. Army, Carlisle, Pa. Collapsible dental chair. 1,685,599; Sept. 25.
- Fletcher, Joseph H., Los Angeles, Calif. Resilient wheel. 1,682,899; Sept. 4.
- Fletcher, Minos L., Nashville, Tenn. Goblet. Des. 76,673; Oct. 23.
- Fletcher, Samuel S., Nottingham, England. Milanese machine. 1,686,847; Oct. 9.
- Fletcher Works, Incorporated. (See Bartholomew, Robert J., assignor.)
- Fletcher Works, Incorporated. (See Schaum, Carl, assignor.)
- Fleischer, Anton, Grunewald, near Berlin, Germany. Method and device for the steering of ships. 1,661,114; Feb. 28.
- Fleittner, Anton, Berlin, Germany. Rudder. 1,661,115; Feb. 28.
- Fleittner, Anton, Berlin, Germany, assignor to N. V. Instituut voor Aero- en Hydro-Dynamiek, Amsterdam, Netherlands. Arrangement for exchanging energy between a current and a body therein. 1,674,169; June 19.
- Fleittner, Anton, The Hague, Netherlands, Balancing of aircraft. 1,674,546; June 19.
- Fleurbaey, Inc. (See Kobbé, William H., assignor.)
- Fleury, Louis A., Indianapolis, Ind. Air moistener. 1,680,532; Aug. 14.
- Flewelling, Edmund T., Highland Park, assignor to R. D. Buell, Chicago, Ill. Socket. 1,681,330; Aug. 21.
- Flexible Steel Lacing Company. (See Coats, Hugh L., assignor.)
- Flexible Steel Lacing Company. (See Purple, George E., assignor.)
- Flexlume Corporation. (See Wiley, Wallace K., assignor.)
- Flexo-Motive Corporation. (See Schultze, Helmuth A., assignor.)
- Fli-Bac Screen Corporation. (See Nye, Alvin F., assignor.)
- Flicker, Annie, administratrix. (See Flicker, Louis.)
- Flicker, Louis, deceased, Los Angeles, Calif.; A. Flicker, administratrix. Hat-renovating machine. 1,695,646; Dec. 18.
- Flickinger, Hezekiah P., Spokane, Wash. Radiator. 1,661,116; Feb. 28.
- Flina, William H., assignor, by mesne assignments, to Precision Gauge & Tool Company, Detroit, Mich. Lathe center. 1,688,040; Oct. 16.
- Flint, Alston H. (See Riley, T. H., and Flint.)
- Flint Automatic Heater Company. (See Shoemaker, John T., assignor.)
- Flint, Coll T. (See Gray, G. M., and Flint.)
- Flint, James A. (See Yont, C. A., and Flint.)
- Flint, Percy W., North Charleston, S. C. Refrigerator. 1,693,200; Nov. 27.
- Flintermann, Gerhard, Orange N. J. Bearing. 1,664,878; Apr. 3.
- Flintermann, Gerhard, West Orange, N. J. Bearing. 1,664,879; Apr. 3.
- Flintermann, Gerhard, West Orange, N. J. Journal bearing. 1,664,880; Apr. 3.
- Flinkkote Company, The. (See Adair, Reid, assignor.)
- Flinkkote Company, The. (See Breeze, Fred. jr., assignor.)
- Flinkkote Company, The. See Cady, Walter H., assignor.)
- Flinkkote Company, The. (See Cady, W. H., and Rahr, assignors.)
- Flinkkote Company, The. (See Harris, William A., assignor.)
- Flinkkote Company, The. (See Heppes, Otto A., assignor.)
- Flinkkote Company, The. (See Johnston, Robert T., assignor.)
- Flinkkote Company, The. (See Keller, Charles L., assignor.)
- Flinkkote Company, The. (See Kirschbraun, L., and Levin, assignors.)
- Flinkkote Company, The. (See Lietz, Felix E., assignor.)
- Flinkkote Company, The. (See Overbury, Frederick C., assignor.)
- Flinkkote Company, The. (See Stolp, Charles, jr., assignor.)
- Flodin, Gustav H., Roslags-Nasby, Sweden. Producing metals and metal alloys low in carbon. 1,691,272; Nov. 13.
- Flodin, Henning G., Roslags-Nasby, and E. G. T. Gustafsson, Stockholm; said Flodin assignor to H. Brody, Stockholm, Sweden. Producing volatile metals from their sulphides. 1,680,098; Aug. 7.
- Flodin, Henning G., Roslags-Nasby, and E. G. T. Gustafsson, Stockholm, Sweden. Producing metals or metal alloys low in carbon directly out of ore or the like. 1,686,206; Oct. 2.
- Flodin, Henning G., Roslags-Nasby, and E. G. T. Gustafsson, assignors to H. G. E. Cornelius, Stockholm, Sweden. Direct reduction process for producing carbon binding metal or metal alloys. 1,686,207; Oct. 2.
- Flodin, Henning G., Roslags-Nasby, and E. G. T. Gustafsson, assignors to H. G. E. Cornelius, Stockholm, Sweden. Producing iron and alloys of iron having a very low percentage of carbon. 1,691,273; Nov. 13.
- Flodin, Henning G., Roslags-Nasby, and E. G. T. Gustafsson, assignors to H. G. E. Cornelius, Stockholm, Sweden. Producing dense iron and iron alloys directly out of oxide ores. 1,691,274; Nov. 13.
- Flodin, Oscar H. (See Chase, G. H., and Flodin.)
- Floeter, Frederick S., Saginaw, Mich. Floor-scrubbing machine. 1,694,937; Dec. 11.
- Floeter, Frederick S., assignor to Wickes Brothers, Saginaw, Mich. Axle lathe. 1,670,109; May 15.
- Flogaus, Howard A., Toledo, Ohio. Brake mechanism. 1,661,420; Mar. 6.
- Flohr, Henry C., New York, and L. Ornstein, Brooklyn, N. Y. Surfacing element and manufacturing the same. 1,695,276; Dec. 18.
- Flood, Andrew. (See Talbot, O. C., and Flood.)
- Flood & Conklin Company. (See Root, Frank B., assignor.)
- Flood, Daniel J. (See Snow, C. R., and Flood.)
- Flood, George A., Los Angeles, Calif. Cultivator. 1,696,710; Dec. 25.
- Flood, George A., Los Angeles, assignor of one-fourth to R. I. Knapp and one-fourth to H. G. Knapp, San Jose, Calif. Disk harrow. 1,669,081; May 8.
- Flook, George. (See Goldsworthy, N. H., and Flook.)
- Floorola Corporation, The, et al. (See Gillis, Lyle N., assignor.)
- Floorola Corporation, The, et al. (See Marshall, Thomas A., assignor.)
- Floorola Corporation, The. (See Pietsch, Charles H., assignor.)
- Flor, Konrad. (See Lichtenberger, T., and Flor.)
- Floraday, Burton S., Toledo, Ohio, assignor to Hydraulic Brake Company, Detroit, Mich. Piston and cylinder construction. 1,694,503; Dec. 11.
- Floraday, Burton S., and H. B. Haskins, Toledo, Ohio, assignors to The Duro Company, Toledo, Ohio. Window regulator. 1,687,481; Oct. 9.
- Flores, Emilio M., Buenos Aires, Argentina. Liquid fuel. 1,657,961; Jan. 31.

- Flori, Louis, Boulogne sur Seine, France. Press for drying and ironing wearing linen. 1,675,929; July 3.
- Florida Citrus Exchange. (See Moscrip, John, assignor.)
- Florin, Philip. (See Miller, Gordon, assignor.)
- Florman, Irving, New York, N. Y. Body for a portable cigarette and cigar lighter. Des. 76,674; Oct. 23.
- Florman, Irving, New York, N. Y. Portable lighter and making the same. 1,657,352; Jan. 24.
- Florman, Irving, New York, N. Y. Automobile radiator cap. 1,670,958; May 22.
- Flory, Henry, Hawthorn, N. J. Method and chemical mixture for producing broaded textiles. 1,655,414; Jan. 10.
- Floss, Carl W. (See Berry, Henry J., assignor.)
- Flournoy, W. G., et al. (See Daniels, C. W., and Carpenter, assignors.)
- Flower, Arthur D. (See Allen, F. L., and Flower.)
- Flower, John W., Wimborne, England. Crown-corking machine. 1,664,881; Apr. 3.
- Flowers, Henry F., Findlay, Ohio. Snowplow. 1,684,439; Sept. 18.
- Floyd, George G., Riverside, Ill. Razor-blade stropper. 1,670,500; May 22.
- Floyd, George G., Riverside, Ill. Dispensing device. 1,694,812; Dec. 11.
- Floyd, John E. (See Burnham, W. H., and Floyd.)
- Floyd, Walter B., assignor to The Bonney-Floyd Company, Columbus, Ohio. Grinding-mill rod. 1,661,567; Mar. 6.
- Floyd, William J., Syracuse, N. Y. Combined reflector and shade. 1,692,892; Nov. 27.
- Flum, Robert A. (See Jandus, H. S., and Flum.)
- Fluegel, Otto L., Birmingham, Mich. Compounding ingredients of a chemical paint remover. 1,676,642; July 10.
- Fluker, William H., Thomson, Ga. License-number plate. 1,655,363; Jan. 3.
- Flumerfelt, Olin F., Hamburg, N. Y. Tire-inflating apparatus. 1,676,139; July 3.
- Flynn, Benjamin H., Newkirk, Okla. Turntable equipment for paving and analogous machines. 1,663,332; Mar. 27.
- Flynn & Emrich Company. (See Turner, James F., assignor.)
- Flynn, Francis K. (See Wilkes, F. C. D., and Flynn.)
- Flynn, Francis K., assignor to Luce Cane Harvester Corporation, New York, N. Y. Cutting mechanism for cane harvesters and the like. 1,664,203; Mar. 27.
- Flynn, Frank E., Steubenville, Ohio. Apparatus for stripping coils from reels. 1,660,608; Feb. 28.
- Flynn, Frank H., Conway, N. Dak. Cigarette holder. 1,671,185; May 29.
- Flynn, Mortimer F., West New Brighton, assignor to New Nap System, Inc., New York, N. Y. Apparatus for reconditioning felts of paper-making machines. 1,678,978; July 31.
- Flynt, Augustus M., Savannah, Ga. Spare-tire carrier. 1,694,439; Dec. 11.
- Foehnenbach, Arthur F., assignor to The Berger Manufacturing Company, Canton, Ohio. Locker latch. 1,677,278; July 17.
- Foell, Josef, Dusseldorf, Germany. Lamp suspension. 1,662,568; Mar. 13.
- Foersch, John W., Jr., Wilkes-Barre, Pa. Cut-off valve. 1,668,062; May 1.
- Foersch, John W., Jr., Wilkes-Barre, Pa. Gutter joint. 1,682,840; Sept. 4.
- Foersch, John W., Jr., Wilkes-Barre, Pa. Making fillers for baking pans. 1,690,003; Oct. 30.
- Foersch, Julia, Wilkes-Barre, Pa. Woman's garment. 1,689,125; Oct. 23.
- Foerster, Max E., Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Marking device for wrapping machines. 1,664,028; Mar. 27.
- Foertsch, Charles W., Brooklyn, assignor of one-half to C. P. Browning, New York, N. Y. Valve gear for internal-combustion engines. 1,690,222; Nov. 6.
- Foft, Veryl G., et al. (See White, William J., assignor.)
- Fogarty, John J., assignor to Jenkins Interlock Manufacturing Company, Philadelphia, Pa. Interlocking device for elevators. 1,657,920; Jan. 31.
- Fogarty, Orville A., Montreal, Quebec, Canada. Oil burner. 1,661,794; Mar. 6.
- Fogarty, Orville A., Montreal, Quebec, assignor to Vilas Oil Burners Limited, Cowansville, Canada. Oil-burning mechanism. 1,673,110; June 12.
- Fogel, Fred F., Hawarden, Iowa. Battery terminal. 1,696,568; Dec. 25.
- Fogel, Joseph. (See Gold, M., Most, and Fogel.)
- Fogg, Richard C., assignor to William Walker and Sons Limited, Bolton, England. Apparatus for stretching leather. 1,657,464; Jan. 31.
- Fogh, Walter B., Seattle, Wash. Oil burner. 1,669,871; May 15.
- Fogle West Undertaking Company. (See Muckleroy, William B., assignor.)
- Foist, Kay. (See Burns, Charles S., assignor.)
- Foisy, Victor A. (See Bergstrom, C. P., and Foisy.)
- Fokker, Anthony H. G., Amsterdam, Netherlands. Mechanical movement. 1,659,650; Feb. 21.
- Fokker, Anthony H. G., Amsterdam, Netherlands, and to Atlantic Aircraft Corporation. Lateral control for airplanes. 1,664,204; Mar. 27.
- Fokker, Anthony H. G., Amsterdam, Netherlands, assignor to Atlantic Aircraft Corporation. Undercarriage for aircraft. 1,680,511; Aug. 14.
- Fokker, Anthony H. G., Amsterdam, Netherlands, assignor to Atlantic Aircraft Corporation. Airplane. 1,681,331; Aug. 21.
- Fokker, Anthony H. G., Amsterdam, Netherlands, assignor to Atlantic Aircraft Corporation, Hasbrouck Heights, N. J. Tail shaft for aircraft. 1,683,965; Sept. 11.
- Fokker, Anthony H. G., Amsterdam, Netherlands, and P. F. Sonnek, Woodhaven, N. Y.; said Sonnek assignor to said Fokker. Controlling aircraft. 1,662,806; Mar. 13.
- Folbert, Frederick. (See Hartung, L. H., and Folbert.)
- Folberth, Frederick G. (See Folberth, William M., and F. G.)
- Folberth, Frederick G. and W. M., Cleveland, Ohio. Liquid-level indicator. 1,660,420; Feb. 28.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,661,133; Feb. 28.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Motor for windshield cleaners. 1,661,134; Feb. 28.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,662,244; Mar. 13.
- Folberth, Frederick G., and W. M. Folberth, Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,665,204; Apr. 10.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Automatic windshield cleaner. 1,666,126; Apr. 17.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,666,127; Apr. 17.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,670,680; May 22.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,672,154; June 5.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,673,742; June 12.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,674,037; June 19.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,675,337; July 3.
- Folberth, Frederick G. and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,675,338; July 3.
- Folberth, Frederick G., and W. M. Folberth, Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,690,004; Oct. 30.
- Folberth, Frederick G., and W. M., Cleveland, Ohio, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,695,326; Dec. 18.
- Folberth, William M. (See Folberth, Frederick G., and W. M.)
- Folberth, William M. and F. G., Cleveland, Ohio. Windshield cleaner. 1,670,285; May 15.
- Folding Crate & Box Company, The. (See Flagstad, Cornell, assignor.)
- Folding Crate and Box Co., The, et al. (See Flagstad, Cornell, assignor.)
- Folds, George R., assignor to Cook Electric Company, Chicago, Ill. Device for automatically creating storage reserves in oil-storage tanks. 1,660,835; Feb. 28.
- Folds, George R., Evanston, assignor to Cook Electric Company, Chicago, Ill. Lightning arrester. 1,668,310; May 1.
- Folds, George R., Evanston, and J. S. Baker, assignors to Cook Electric Company, Chicago, Ill. Protective device. 1,691,275; Nov. 13.
- Foley, Agnes A., Youngstown, Ohio. Playhouse. 1,662,823; Mar. 20.
- Foley, Alma B., et al. (See Keck, Max, assignor.)
- Foley, Charles B., Fort Wayne, Ind., assignor to Charles B. Foley, Inc., New York, N. Y. Current-regulating means for electric induction furnaces. 1,660,191; Feb. 21.
- Foley, Charles B., Fort Wayne, Ind., assignor to Charles B. Foley, Inc., New York, N. Y. Electric furnace. 1,661,173; Mar. 6.
- Foley, Charles B., Fort Wayne, Ind. Traffic-control system. 1,675,339; July 3.
- Foley, Charles B., Fort Wayne, Ind., assignor to Charles B. Foley, Inc., New York, N. Y. Electric furnace. 1,685,914; Oct. 2.
- Foley, Charles B., Fort Wayne, Ind., assignor to Charles B. Foley, Inc., New York, N. Y. Electric furnace. 1,694,536; Dec. 11.
- Foley, Charles B., Inc. (See Foley, Charles B., assignor.)
- Foley, Chas. B., Inc. (See Sasnett, Edward C., assignor.)
- Foley, Earl H., and P. J. Gunn, Tacoma, Wash., assignors to International Acoustigraph Company, Tacoma, Wash. Ring cone-shaped diaphragm device. 1,682,611; Aug. 28.

- Foley, Hugh B., deceased, Minneapolis, Minn.; M. T. Foley, administratrix, assignor, by mesne assignments, to Foley Saw Tool Co., Incorporated. Saw-filing machine. 1,668,361; May 1.
- Foley, James J., et al. (See Keck, Max, assignor.)
- Foley, John J., assignor to H. Reuber, jr., and himself, doing business as The Art Lamp and Novelty Company, Hartford, Conn. Shade support for lamps. 1,692,772; Nov. 20.
- Foley, John R., Kelso, and M. Hart, Vancouver, Wash. Life preserver. 1,663,268; Mar. 20.
- Foley, John W., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier circuits. 1,654,929; Jan. 3.
- Foley, John W., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier circuits. 1,655,537; Jan. 10.
- Foley, John W., Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Substation circuit. 1,662,966; Mar. 20.
- Foley, John W., Chicago, Ill. Roller bearing. 1,667,348; Apr. 24.
- Foley, John W., Chicago, Ill. Roller bearing. 1,687,755; Oct. 16.
- Foley, John W., Chicago, Ill. Roller bearing. 1,687,756; Oct. 16.
- Foley, Mary T., administratrix. (See Foley, Hugh B.)
- Foley Saw Tool Company. (See Collier, Freeman E., assignor.)
- Foley Saw Tool Co. (See Foley, Hugh B., assignor.)
- Folger, Henry C., Waltham, and J. E. O'Connell, assignors to Bemis Industries, Inc., Boston, Mass. Refrigerating truck. 1,668,238; May 1.
- Folger, Henry C., Waltham, assignor, by mesne assignments, to Waltham System, Inc., Waverly, Mass. Refrigerating cabinet. 1,693,376; Nov. 27.
- Folger, Henry C., Waltham, assignor, by mesne assignments, to Waltham System, Inc., Waverly, Mass. Refrigeration apparatus. 1,693,377; Nov. 27.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,677,457; July 17.
- Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Gripping device for slicing machines. 1,692,336; Nov. 20.
- Folke, Arthur, Kane, Pa. Safety device for clothes wringers. 1,661,654; Mar. 6.
- Folker, Howard S., Mill Valley, Calif., assignor to National Safety Appliance Company, Reno, Nev. Train-control-restoring apparatus. 1,690,816; Nov. 6.
- Follansbee Brothers Company. (See Kinter, C. W., and Manion, assignors.)
- Foller, John J., assignor of forty per cent to L. Sparr, Williamsburg, Pa. Reel for silk-winding machines. 1,660,073; Feb. 21.
- Follingstad, Henry A., Chicago, Ill. Key-pulling device. 1,661,938; Mar. 6.
- Follman, John A., York, N. Dak. Power lift for harrows. 1,668,400; May 1.
- Folly Town Company, The. (See Anschell, Sidney C., assignor.)
- Folmar, Robert L., Goshen, Ala. Vault. 1,683,537; Sept. 4.
- Folmer, William F., Rochester, N. Y. Carton. 1,681,700; Aug. 21.
- Foltis, Anastis, Elmhurst, N. Y. Photo-electric sign. 1,656,110; Jan. 10.
- Foltz, Ira W., Chicago, Ill. Furnace. 1,666,200; Apr. 17.
- Foltz, Irvin W., Reynoldsville, Pa. Ironing-board table. 1,663,449; Mar. 20.
- Fónagy, Frank, Flagtown, N. J. Safety closet. 1,667,543; Apr. 24.
- Fonda Container Co. (See Toscano, Louis P., assignor.)
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Zirconium alloy. 1,658,712; Feb. 7.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Process of and apparatus for isolating argon. 1,664,205; Mar. 27.
- Fondeville, Eugene L. (See Abram, Edmund W., assignor.)
- Fondiller, William, Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Loaded conductor. 1,672,979; June 12.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Quick-acting control mechanism. 1,659,947; Feb. 21.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Automatically-controlled electric heating system. 1,668,199; May 1.
- Fonseca, Edward L., assignor to The Wilcolator Company, Newark, N. J. Pilot-light controller. 1,690,223; Nov. 6.
- Fontaine, Fred A., Auburndale, Mass. Vise. 1,670,194; May 15.
- Fontaine, Jesse W., Salinas, assignor to H. W. Hall, San Francisco, Calif. Suspension device for maps, etc. 1,687,859; Oct. 16.
- Fontaine, Marie A., Manchester, N. H. Abdominal band. 1,661,720; Mar. 6.
- Fontaine, René F. M., Paris, France. Progressive and automatic change-speed device employing epicycloidal gearing. 1,658,673; Feb. 7.
- Fontana, Frank, San Francisco, Calif. Clock face. Des. 77,083; Dec. 4.
- Food Chippers Limited. (See McLeod, Albert R., assignor.)
- Foose, Edward, Rockville, Md. Radioantenna. Des. 75,551; June 19.
- Foot, Austin A., et al. (See Bechthold, John, assignor.)
- Foot-Burt Company. (See Doan, Theodore, H., jr., assignor.)
- Foot, Edward B., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 1,685,193; Sept. 25.
- Foot, Pierson & Company. (See Lewis, George F., assignor.)
- Foot-Reynolds Company. (See Kindel, Charles J., assignor.)
- Footthorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Work-sheet-locating means. 1,655,415; Jan. 10.
- Footthorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Co., New York, N. Y. Typewriting machine. 1,681,978; Aug. 28.
- Footthorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Continuous-feed platen. 1,687,332; Oct. 9.
- Footthorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Flat-platen typewriter. 1,691,236; Nov. 13.
- Forbell, Robert C., Los Angeles, Calif. Direction signal. 1,664,810; Apr. 3.
- Forbes, Charles, Grand Rapids, Mich. Cooling internal-combustion engines. 1,671,634; May 29.
- Forbes, Dorothy, Boston, Mass. Adjustable holder. 1,692,337; Nov. 20.
- Forbes, Groves C., Atlanta, Ga. Tripurpose bottle. 1,690,930; Nov. 6.
- Forbes, John S., Philadelphia, Pa. Method of and apparatus for evaporating and distilling. 1,666,777; Apr. 17.
- Forbes Lithograph Manufacturing Company. (See Tilly, Herbert J., assignor.)
- Forbes, Samuel L., Mount Vernon, N. Y., assignor to The Globe-Wernicke Company. Card index. 1,684,620; Sept. 18.
- Forbes, Thomas C., Hopkins, assignor to Waters-Genter Co., Minneapolis, Minn. Bread toaster. 1,665,735; Apr. 10.
- Forbes, Thomas C., Hopkins, assignor to Waters-Genter Company, Minneapolis, Minn. Electric switch. 1,676,257; July 10.
- Forbis, Hazel T., Missoula, Mont. Combined wash rag and soap holder. 1,681,031; Aug. 14.
- Force, John W., Wichita Falls, Tex. Cleaning device for oil tanks and the like. 1,668,063; May 1.
- Ford, Arthur J. (See Anderson, G. K., and Ford.)
- Ford, Ben K., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and machine for feeding and working articles. 1,677,133; July 17.
- Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. 1,657,252; Jan. 24.
- Ford, Bruce, Philadelphia, Pa. Treatment of wood and product thereof. 1,677,963; July 24.
- Ford, Bruce, Philadelphia, Pa. Storage battery. 1,691,800; Nov. 13.
- Ford, Charles T., Washington, D. C. Liquid control cock. 1,690,005; Oct. 30.
- Ford, Edward, Plate Glass Company, The. (See Fowler, Ival G., assignor.)
- Ford, Edward, Plate Glass Company, The. (See Goodwillie, David H., assignor.)
- Ford, Edward, Plate Glass Company, The. (See Platt, Archie W., assignor.)
- Ford, Edward, Plate Glass Co., The. (See Schutz, Harold B., assignor.)
- Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Sorting machine. 1,657,654; Jan. 31.
- Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Card-feeding device. 1,680,863; Aug. 14.
- Ford, Eugene A., Scarsdale, assignor to The Tabulating Machine Company, Endicott, N. Y. Card feeding and handling device. 1,684,389; Sept. 18.
- Ford, Gladys C., Brooklyn, N. Y. Doll. 1,690,778; Nov. 6.
- Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., New York, N. Y. Range converter. 1,679,936; Aug. 7.
- Ford, Henry, Dearborn, Mich. Transmission. 1,657,858; Jan. 31.
- Ford, Henry, Dearborn, Mich. Brake equalizer. 1,665,258; Apr. 10.
- Ford, Henry, Dearborn, Mich. Manufacturing pistons. 1,667,202; Apr. 24.
- Ford, Henry, Dearborn, Mich. Auxiliary transmission. 1,674,006; June 19.
- Ford, Henry, Dearborn, Mich. Fuel-filtering screen. 1,677,118; July 10.
- Ford, Henry, Dearborn, Mich. Combined instrument-board and gas-tank construction. 1,677,279; July 17.
- Ford, Henry, Dearborn, Mich. Ignition device. 1,682,220; Aug. 28.
- Ford, Henry, Dearborn, Mich. Rear-axle-housing construction. 1,692,932; Nov. 27.
- Ford, Henry, Dearborn, Mich. Liquid-level gauge. 1,696,347; Dec. 25.
- Ford, Horace, assignor of one-half to C. L. Stockhausen, Baltimore, Md. Concrete-form clamp. 1,687,976; Oct. 16.

- Ford Instrument Company. (See Crouse, George B., assignor.)
- Ford Instrument Company. (See Ford, Hannibal C., assignor.)
- Ford Instrument Company. (See Tanner, Harry L., assignor.)
- Ford, Louis G., Auburn, and W. H. Van Dine, Tully, N. Y. Apparatus for sterilizing and drying milk cans and covers. 1,655,538; Jan. 10.
- Ford, Michael, Long Beach, Calif. Barrel spigot. 1,663,195; Mar. 20.
- Ford, Michael H., Jersey City, N. J. Cycloplane. 1,686,080; Oct. 2.
- Ford Motor Company. (See Brown, Edward T., assignor.)
- Ford Motor Company. (See Hicks, Harold A., assignor.)
- Ford Motor Company. (See Kersten, Otto, assignor.)
- Ford Motor Company. (See Smith, Charles J., assignor.)
- Ford, Robert L., St. Louis, Mo. Toy pistol. 1,683,662; Sept. 11.
- Ford, William B., Birmingham, Ala. Suspending and controlling header for meters. 1,696,757; Dec. 25.
- Ford, William H., Detroit, Mich. Billiard-cue tip. 1,660,707; Feb. 28.
- Fordyce, Rufus G., Chicago, Ill. Machine for deposition of coating. 1,658,765; Feb. 7.
- Foreign Paper Mills, Inc. (See Taylor, Casper R., assignor.)
- Foreman, John H., Denison, Tex. Tool for applying patches to flexible hose. 1,696,194; Dec. 25.
- Foreman, Lemuel R., Elizabeth City, N. C. Attachment for sawmill edgers. 1,686,966; Oct. 9.
- Foresman, Robert A., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air preheater. 1,660,788; Feb. 28.
- Foresman, Robert A., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace wall. 1,662,967; Mar. 20.
- Foresman, Robert A., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace wall. 1,663,977; Mar. 27.
- Foresman, Robert A., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace structure. 1,682,328; Aug. 28.
- Foresman, Robert A., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air-cooled furnace wall. 1,693,378; Nov. 27.
- Foresman, Robert A., Moore, and J. E. Larrabee, East Lansdowne, Pa., assignors to Westinghouse Electric & Manufacturing Company. Stoker. 1,683,341; Sept. 4.
- Forest Electric Corporation. (See Elderkin, James K., assignor.)
- Forest, Frank. (See Mayo, Milford C., assignor.)
- Forest, Rene. (See Laverigne, Jean, assignor.)
- Forg, Frederick E., Arlington, Mass. Door catch. 1,686,805; Oct. 9.
- Forger, Albert H., Los Angeles, Calif. Glass-sign-letter fastening. 1,661,531; Mar. 6.
- Forges & Ateliers de Constructions Electriques de Jeumont Société Anonyme. (See Douchet, Florimond, assignor.)
- Fork, Charles H., Detroit, Mich., assignor of one-half to W. J. Rush, Dearborn, Mich. Making trussed structures. 1,676,258; July 10.
- Forker, Major T. (See Roberts, M. H., and Forker.)
- Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-operating mechanism. Re16,850; Jan. 17.
- Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Rocker step connection. 1,664,811; Apr. 3.
- Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Pressure-actuated motor for operating doors or the like. 1,679,212; July 31.
- Forman, Solomon, New York, N. Y. Tray. Des. 76,744; Oct. 30.
- Formánek, František, and L. and E. Zeman, Bratislava, Czechoslovakia, Aerohelicopter. 1,687,198; Oct. 9.
- Formello, Michael. (See Priestman, P., and Formello.)
- Formica Insulation Company, The. (See Lytle, Robert W., assignor.)
- Formoso, Andrew, New York, N. Y. Package and envelope fastener. 1,674,101; June 19.
- Formoso, Andrew, New York, N. Y. Window-cleaning machine. 1,674,102; June 19.
- Fornaca, Guido, Turin, Italy. Automatic system for cooling internal-combustion engines. 1,659,866; Feb. 21.
- Fornaca, Guido, Turin, Italy. Wheel for motor vehicles. 1,660,036; Feb. 21.
- Fornaca, Guido, Turin, Italy. Internal-combustion engine. 1,660,609; Feb. 28.
- Fornaca, Guido, Turin, Italy. Superfeed system for two-stroke internal-combustion engines. 1,660,610; Feb. 28.
- Fornaca, Guido, Turin, Italy. Brake of the expanding-shoe type. 1,662,569; Mar. 13.
- Fornaca, Guido, Turin, Italy. Two-stroke engine of the opposed-piston type. 1,680,017; Aug. 7.
- Fornaca, Guido, Turin, Italy. Brake of the expanding-shoe type. 1,685,450; Sept. 25.
- Fornaca, Guido, Turin, Italy. Expanding-shoe brake. 1,687,608; Oct. 16.
- Fornaca, Guido, Turin, Italy. Wheel-suspension means for motor vehicles. 1,693,111; Nov. 27.
- Fornaca, Guido, Turin, Italy. Valve gear. 1,695,011; Dec. 11.
- Fornaca, Guido, Turin, Italy. Spring-controlled gear. 1,696,797; Dec. 25.
- Forney, Arthur, Baltimore, Md. Check-controlled vending machine. 1,678,502; July 24.
- Forney, Clarence H., assignor to Forney Fibre Company, Jersey City, N. J. Cloth board. 1,672,756; June 5.
- Forney Fibre Company. (See Forney, Clarence H., assignor.)
- Forrest, Charles N., and J. S. Miller, jr., Rahway, N. J., and C. S. Babb, Chicago, Ill., assignors to The Barber Asphalt Company, Philadelphia, Pa. Bituminous mastic. 1,688,041; Oct. 16.
- Forrest, Thomas W. W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Processing of dried berries, especially Thompson seedless raisins. 1,654,799; Jan. 3.
- Forrest, Thomas W. W., assignor to Sunland Sales Co-operative Association, Fresno, Calif. Treating dried figs and dried prunes. 1,683,068; Sept. 4.
- Forrester, Charles H., sr., et al. (See Kamedish, Peter B., assignor.)
- Forrester, John D., Kansas City, Mo., assignor to P. J. McInerney, Dallas, Tex. Making asphaltic material. 1,671,070; May 22.
- Forrester, Michael J., Astoria, N. Y., assignor to Fifth Avenue Coach Company. Vehicle top. 1,675,539; July 3.
- Forrester, Michael J., Astoria, N. Y., assignor to Fifth Avenue Coach Company. Double-deck passenger vehicle. 1,694,007; Dec. 4.
- Forry, Archie D., Clarksville, Iowa. Adjustable game device. 1,675,453; July 3.
- Forsberg, Albin L., Chicago, Ill., assignor to The Thomson & Taylor Co., Container and manufacture thereof. 1,693,291; Nov. 27.
- Forsberg, Charles A. (See Anderson, A. E., and Forsberg.)
- Forsberg, Erik A., Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Apparatus for cleaning separator bowls and the like. 1,668,955; May 8.
- Forsberg, Hjalmar G., and C. A. Benson, Chicago, Ill. Measuring device. 1,671,858; May 29.
- Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Protective system for electric circuits. 1,658,329; Feb. 7.
- Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Motor-generator control. 1,669,162; May 8.
- Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,694,253; Dec. 4.
- Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Regenerative braking. 1,696,599; Dec. 25.
- Forse, William H., jr., Anderson, Ind. Catch pulley. 1,691,183; Nov. 13.
- Forseth, Albert J., Detroit, Mich. Game. 1,658,888; Feb. 14.
- Forseth, Albert J., Grand Forks, N. Dak., assignor to B. F. Gilbert, Fort Worth, Tex. Automatically-adjustable embroidery guide. 1,685,194; Sept. 25.
- Forsgard, Edward F., Waco, Tex. Dishwashing machine. 1,662,496; Mar. 13.
- Forshee, Frank F. (See Sutherland, E. E., and Forshee.)
- Forshee, Frank F., Flint, Mich., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current-indicating and illuminating means for electric ranges. 1,678,856; July 31.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Percolator. Des. 75,229; May 22.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Percolator. Des. 75,230; May 22.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Percolator. Des. 75,231; May 22.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,657,465; Jan. 31.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Range vent. 1,664,206; Mar. 27.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Curling iron. 1,665,919; Apr. 10.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Combination coal and electric range. 1,665,920; Apr. 10.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic switch. 1,669,608; May 15.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Counterbalance for oven doors. 1,678,855; July 31.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Range vent. 1,684,088; Sept. 11.
- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Waffle-iron heating element. 1,684,176; Sept. 11.

- Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Socket receptacle. 1,689,820; Oct. 30.
- Forsblad, Nils R., Vasteras, Sweden. Heat exchanger. 1,680,145; Aug. 7.
- Forsell, Carl A., Stockholm, Sweden. Joint in iron structures and reinforcing members. 1,689,281; Oct. 30.
- Forst, Hattie, Milwaukee, Wis. Camera. 1,690,673; Nov. 6.
- Forster, Alfred D. J., Sydney, New South Wales, Australia, assignor to Detroit Lubricator Company, Detroit, Mich. Lubricating the pistons and valves of engines. 1,659,356; Feb. 14.
- Forster, Arthur G., Oakland, Calif. Visor attachment for motor vehicles. 1,676,537; July 10.
- Förster, Bernhard, Pforzheim, Germany. Manufacturing of snappers for snap rings. 1,682,074; Aug. 28.
- Förster, Frigyes, Budapest, Hungary. Portable building. 1,683,966; Sept. 11.
- Forster, H. J., trustee of the American Railway Association. (See Kivlin, Alfred P., assignor.)
- Forster, John G., assignor to Ogle Construction Co., Chicago, Ill. Hoisting mechanism and control therefor. 1,667,931; May 1.
- Forstmann, Julius, & Co. (See Ackerman, Francis E., assignor.)
- Forstner Chain Corporation. (See Keller, Hermann, assignor.)
- Forstner Chain Corporation. (See Kollmar, Reinhard, assignor.)
- Forstrom, Edward E., Stratford, Conn. Electric relay. 1,696,082; Dec. 18.
- Forsyth, Albert E., Bellamy, Ontario, Canada. Corn planter. 1,662,307; Mar. 13.
- Forsyth, Benjamin F., Chicago, Ill. Conveyer. 1,695,277; Dec. 18.
- Forsyth Draft-Gear Corporation. (See Forsyth, Joseph E., assignor.)
- Forsyth, F. D., et al. (See Grayson, John H., assignor.)
- Forsyth, George H., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Disk wheel. 1,657,533; Jan. 31.
- Forsyth, George H., Harvey, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Disk wheel. 1,677,755; July 17.
- Forsyth, Joseph E., Chicago, Ill., assignor to Forsyth Draft-Gear Corporation. Draft gear. 1,679,301; July 31.
- Forsyth, Mary H., Surrey, England. Table fork. Des. 75,157; May 15.
- Forsyth, William D., deceased; F. I. Burke, administrator, Cleveland, Ohio. Road reinforcement. 1,663,713; May 8.
- Fort Howard Paper Company. (See Hansen, Emil J., assignor.)
- Fort Howard Paper Company. (See Shaffer, G. A., and Wirtz, assignors.)
- Fort, Pierre, Kernan, Ill. Envelope. 1,687,436; Oct. 9.
- Fort Pitt Bedding Company. (See Trimble, Charles P., assignor.)
- Fort Pitt Mine Equipment Company. (See Johnson, George M., assignor.)
- Fort Pitt Mine Equipment Company. (See Johnson, G. M., and Sundvik, assignors.)
- Fort Wayne Corrugated Paper Company. (See Beaman, George B., assignor.)
- Fort Wayne Corrugated Paper Company. (See Nickerson, Orva O., assignor.)
- Fort Wayne Engineering & Manufacturing Co. (See Astrom, John, assignor.)
- Fortain, Jenny B., Redondo Beach, Calif. Water and soap saving device. 1,661,532; Mar. 6.
- Forté, Albert C., Virginia, Minn. Identifying ribbon or check holder. 1,692,643; Nov. 20.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-balancing system. 1,658,980; Feb. 14.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,669,609; May 15.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,671,471; May 29.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-speed circuit interrupter. 1,685,949; Oct. 2.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltmeter. 1,686,689; Oct. 9.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring instrument. 1,695,890; Dec. 18.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,695,891; Dec. 18.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line device. 1,695,892; Dec. 18.
- Fortescue, Charles L., and R. D. Evans, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Electrical protective system. 1,677,333; July 17.
- Forth, Charles, Detroit, assignor, by mesne assignments, to New Era Spring & Specialty Co., Grand Rapids, Mich. Heater manifold. 1,656,385; Jan. 17.
- Forth, Michael J., Dorchester, Mass. Bottle washer. 1,687,012; Oct. 9.
- Fortier-Beaulieu, Paul. (See Constantin, Louis, assignor.)
- Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Actuating mechanism for selective-control thermostat systems. 1,675,213; June 26.
- Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Temperature regulation. 1,678,213; July 24.
- Fortin, Paul R., Schenectady, N. Y., assignor to General Electric Company. Water-spray insulator. 1,655,262; Jan. 3.
- Fortin, Paul R., Schenectady, N. Y., assignor to General Electric Company. Connector for electric conductors. 1,657,253; Jan. 24.
- Fortin, Paul R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic pick-up apparatus. 1,689,524; Oct. 30.
- Fortin, Peter, Hollywood, Calif. Water drain. 1,658,839; Feb. 14.
- Fortune, Drury D., Cliffside, assignor of one-half to B. B. Byers, Shelby, N. C. Hose protector. 1,677,077; July 10.
- Forward, Walter L. (See Hollander, A., and Forward.)
- Forward, William M., assignor to Postum Company, Incorporated, Battle Creek, Mich. Feeder for blank scoring and slotting machines. 1,688,459; Oct. 23.
- Foskit, Romanzo L., Toledo, Ohio. Safety device for airplanes. 1,657,209; Jan. 24.
- Fosnaugh, George S., and B. Johnson, Naples, Calif. Slush-pump valve. 1,687,860; Oct. 16.
- Fosnaugh, George S., et al. (See Shaffer, William D., assignor.)
- Foss, Leland L., Pulaski, Ga. Far-distant weighing scale with automatic hopper. 1,659,319; Feb. 14.
- Foss, Oscar, Aneroid, Saskatchewan, Canada. Music roll for player pianos. 1,677,756; July 17.
- Foss, Thomas M., assignor of one-half to B. M. Cole, Minneapolis, Minn. Wrench. 1,653,890; Feb. 14.
- Foss, William A. (See Schilpp, Charles P., assignor.)
- Foster, Arthur L., Middletown, N. J., assignor to Manifold Supplies Company, Brooklyn, N. Y. Device for adjustably controlling the location of roller shafts in paper-feeding machines. 1,686,488; Oct. 2.
- Foster, Benjamin, Philadelphia, Pa. Roadway with traffic-control marking. 1,664,070; Mar. 27.
- Foster, Charles E., Letchworth, England. Double-pole electrical connector. 1,656,912; Jan. 24.
- Foster, Clarence B., Glendale, assignor of one-sixth to F. L. Feisthamel, one-sixth to A. J. Carr, and one-sixth to T. A. Collins, Los Angeles, Calif. Fabricated-derrick construction. 1,666,413; Apr. 17.
- Foster, Clarence B., Glendale, assignor of one-sixth to F. L. Feisthamel, one-sixth to A. J. Carr, and one-sixth to T. A. Collins, Los Angeles, Calif. Fabricated-steel tower or derrick construction. 1,676,538; July 10.
- Foster, Clarence B., Glendale, assignor of one-sixth to F. L. Feisthamel, one-sixth to A. J. Carr, and one-sixth to T. A. Collins, Los Angeles, Calif. Fabricated-steel derrick or tower construction. 1,676,539; July 10.
- Foster, Frank, Kansas City, Mo. Crease retainer. 1,687,158; Oct. 9.
- Foster, Frank J., and H. Wahren, Hawley, Pa. Box-lid holder. 1,671,184; May 29.
- Foster, Frederic W., Jr., Denver, Colo. Dental tray and insert therefor. 1,663,695; Mar. 27.
- Foster, Guy T., Dayton, Ohio, assignor to L. Thompson, New York, N. Y. Locomotive structure. 1,683,453; Sept. 4.
- Foster, Harry A., Bradenton, Fla. Sterilizing apparatus. 1,692,983; Nov. 27.
- Foster, Harry C., assignor to Indiana Lamp Corporation, Connersville, Ind. Focusing device for lamp bulbs. 1,657,500; Jan. 31.
- Foster, Harry C., assignor of one-half to Indiana Lamp Corporation, Connersville, Ind., and one-half to General Motors Corporation, Detroit, Mich. Lamp focusing. 1,658,556; Feb. 7.
- Foster, Harry C., assignor of one-half to Indiana Lamp Corporation, Connersville, Ind., and one-half to General Motors Corporation, Detroit, Mich. Lamp focusing. 1,658,557; Feb. 7.
- Foster, Harry C., assignor to Indiana Lamp Corporation, Connersville, Ind. Connector for electric circuits. 1,666,089; Apr. 17.
- Foster, Harry C., Connersville, Ind., assignor of one-half to General Motors Corporation, Detroit, Mich., and one-half to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,670,801; May 22.
- Foster, Harry C., assignor of one-half to Indiana Lamp Corporation, Connersville, Ind., and one-half to General Motors Corporation, Detroit, Mich. Lamp structure. 1,671,024; May 22.
- Foster, Harry C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lens for headlights. 1,636,908; Oct. 9.
- Foster, Harry D., Washington, D. C. Building block or tile construction. 1,686,373; Oct. 2.

- Foster, Harry E., Long Beach, Calif. Fishing lure. Des. 74,497; Feb. 21.
- Foster, Herman J., Stowe, Vt. Milk-cooling device. 1,679,302; July 31.
- Foster, Inez M., East Simla, India. Combination case. 1,656,785; Jan. 17.
- Foster, Inez M., Simla, India. Novelty holder. 1,677,820; July 17.
- Foster, Isaac M., et al. (See Mulligan, Paul C., assignor.)
- Foster, John F., Kansas City, Mo. Roller bearing. 1,668,893; May 8.
- Foster, John T., Chula, Mo. Motor-tire-chain lock. 1,670,800; May 22.
- Foster, Lee R., River Edge, N. J., assignor to Western Union Telegraph Company, New York, N. Y. Telegraph system. 1,657,384; Jan. 24.
- Foster, Leon V., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus. 1,665,660; Apr. 10.
- Foster Machine Company. (See McKean, John O., assignor.)
- Foster, Mary F., trustee. (See Bollmann, Hermann, assignor.)
- Foster, Paul F., et al. (See Berg, Alfred J., assignor.)
- Foster, Reginald H. (See Kearby, Earl J., assignor.)
- Foster, Theodore W., & Brother Company. (See Noble, Arthur H., assignor.)
- Foster, Theodore W., & Brother Company. (See Wilson, Ralph W., assignor.)
- Foster, Thomas J., Ridgewood, N. J. Floor construction. 1,666,061; Apr. 10.
- Foster, Walter L., Whittier, Calif. Driving signal for automobiles. 1,657,118; Jan. 24.
- Foster, Walter L., Whittier, Calif. Line control. 1,684,367; Sept. 11.
- Foster, Walter W. (See Hill, R. D. and Foster.)
- Foster Wheel Corporation. (See Sando, Francis B., assignor.)
- Foster Wheeler Corporation. (See Bell, John E., assignor.)
- Foster Wheeler Corporation. (See Brocklebank, Arthur P., assignor.)
- Foster Wheeler Corporation. (See Dean, Dion K., assignor.)
- Foster Wheeler Corporation. (See Keenan, Walter F., jr., assignor.)
- Foster Wheeler Corporation. (See Lonsdale, William, assignor.)
- Foster Wheeler Corporation. (See Nelis, Joseph J., assignor.)
- Foster Wheeler Corporation. (See Nelis, J. J., and Arnold, assignors.)
- Foster Wheeler Corporation. (See Primrose, John, assignor.)
- Foster, William J., Jersey City, N. J. Shade-cord holder. 1,665,953; Apr. 10.
- Foster, Wolcott C., Rutherford, N. J., and A. S. Garrett, Drexel Hill, Pa. Increasing the efficiency of zeolites in the treatment of water. 1,683,967; Sept. 11.
- Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
- Fostoria Glass Co. (See Magee, William H., assignor.)
- Fothergill, George W., Louise, Tex. Multiplane bevel square. 1,691,801; Nov. 13.
- Föttinger, Hermann, Zoppot, near Danzig, Free State of Danzig. Combustion pump. 1,658,674; Feb. 7.
- Föttinger, Herman, Zoppot, near Danzig, Germany. Direct-reading torsion meter. 1,667,628; Apr. 24.
- Foulder, Henry B., Glenbrook, Conn. Machine for tying wire ties. 1,681,610; Aug. 21.
- Foulds, Charles V., Berkeley, assignor to The Pelton Water Wheel Co., San Francisco, Calif. Water-tight seat for butterfly valves. 1,682,075; Aug. 28.
- Foulds, Charles V., Berkeley, assignor to The Pelton Water Wheel Co., San Francisco, Calif. Sleeve assembly for valve stems, piston rods, spindles, plungers, and the like. 1,685,418; Sept. 25.
- Fouletier, Louis, Grenoble, France. Spring-pressure button. 1,688,272; Oct. 16.
- Foulks, James E., Brightwaters, assignor to Climax Stationery Company, Inc., New York, N. Y. Binding of perforated loose sheets. 1,659,318; Feb. 14.
- Foults, William T., East Cleveland, and J. M. Wood, assignors to The White Motor Company, Cleveland, Ohio. Computing machine. 1,659,357; Feb. 14.
- Found, Ernest E., Hillsdale, Mich. Stair-rod holder. Des. 75,833; July 24.
- Foundation Oven Corporation. (See Schrader, Lloyd F., assignor.)
- Fourneau, Ernest, Paris, France, assignor to Les Etablissements Poulenc Freres. Salts of 3-actylamino-4-hydroxyphenylarsenic acid and preparing the same. 1,677,964; July 24.
- Fourness Development Corporation, The. (See Fourness, Wilfred, assignor.)
- Fourness, Wilfred, Pasadena, Calif., assignor, by mesne assignments, to The Fourness Development Corporation, New York, N. Y. Compressor. 1,696,673; Dec. 25.
- Fourness, Wilfred, Pasadena, Calif., assignor, by mesne assignments, to The Fourness Development Corporation, New York, N. Y. Compressor. 1,696,674; Dec. 25.
- Fourney, John A., Oakland, Calif. Electric extension plug. 1,669,193; May 8.
- Foust, Harrison H. (See Blair, Edward M., assignor.)
- Font, Richard L. (See Harrison, H. H., Allender, and Font.)
- Fow, Mitchell. (See Leon, Benjamin, and Fow.)
- Fowle, Arthur E., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-flattening means. 1,670,146; May 15.
- Fowle, Frank F., Chicago, Ill. Composite-metal product. 1,679,518; Aug. 7.
- Fowle, Frank F., Chicago, Ill. Electrical conductor. 1,691,869; Nov. 13.
- Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,659,597; Feb. 21.
- Fowler, Byron L., and J. J. Smith, Morton, Tex. Cultivator attachment. 1,685,844; Oct. 2.
- Fowler, Carl H. (See Parry, Robert R., assignor.)
- Fowler, Charles E., assignor to Fowler Engineering Corporation, New York County, N. Y. Theater structure. 1,660,263; Feb. 21.
- Fowler, Clarence B., Queens Village, and C. W. Lucek, Astoria, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,667,845; May 1.
- Fowler, Clarence B., Queens Village, and C. W. Lucek, Astoria, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,667,846; May 1.
- Fowler, Edward J., Redwood City, Calif., assignor to Nichols Copper Company, New York, N. Y. Furnace rubble arm. 1,687,935; Oct. 16.
- Fowler, Edward, and J. V. Lewis, Chattanooga, Tenn. Cultivator blade. 1,662,570; Mar. 13.
- Fowler, Edward, and J. V. Lewis, Chattanooga, Tenn. Insecticide distributor. 1,678,061; July 24.
- Fowler, Emmett L., assignor of one-half to J. S. Privott, Washington, D. C. Extractor for removing bushings and the like. 1,688,460; Oct. 23.
- Fowler Engineering Corporation. (See Fowler, Charles E., assignor.)
- Fowler, Fleming B., Baltimore, Md. Ventilator. 1,600,445; Nov. 6.
- Fowler, Frank E. and W. A., Athens, assignors of one-third to P. Keller, Clarke County, Ga. Needle-weaving attachment for webbing looms. 1,659,728; Feb. 21.
- Fowler, Harlan D., Southampton, Pa. Aerofoil. 1,670,852; May 22.
- Fowler, Harry P., assignor to The Waterbury Tool Company, Waterbury, Conn. Power-transmitting device. 1,679,213; July 31.
- Fowler, Harvey A. L., Valley Stream, N. Y. Automatic lighter for gas water heaters. 1,665,088; Apr. 3.
- Fowler, Herbert C., Columbus, Ohio. Dye protector. 1,686,848; Oct. 9.
- Fowler, Ival G., Toledo, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio. Conveyer. 1,688,698; Oct. 23.
- Fowler, Joseph E., Worcester, Mass. Oil burner. 1,663,753; Mar. 27.
- Fowler, Lester A., Oakland, Calif., and H. D. Hukill, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake slack adjuster. 1,689,235; Oct. 30.
- Fowler, Mack J., Roanoke, Va. Lubricator. 1,694,813; Dec. 11.
- Fowler, William A. (See Fowler, Frank E. and W. A.)
- Fowler, William R. (See Toms, W. P., and Fowler.)
- Fowler, William R., Hamilton, Ohio. Attachment for felt conditioners. 1,675,540; July 3.
- Fowler, William S., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 75,834; July 24.
- Fowler, William S., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 77,147; Dec. 11.
- Fox, A. H., Gun Company. (See Paxson, Walter R., assignor.)
- Fox, Alfred G., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain-grate stoker. 1,672,563; June 5.
- Fox, Cecil M., Toledo, Ohio, assignor to The Rollaway Motor Company. Projection apparatus. 1,665,410; Apr. 10.
- Fox, Charles A., New York, N. Y. Collapsible box. 1,672,251; June 5.
- Fox, Charles H., Cincinnati, Ohio. Rotary pump. 1,659,771; Feb. 21.
- Fox, E. P. (See Davis, C. E., and Engel, assignors.)
- Fox, Ellis L., jr., Jeffersonville, Pa. Picker-stick mechanism. 1,661,470; Mar. 6.
- Fox, Eugene R., Southampton, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Clamping device for slicing machines. 1,692,838; Nov. 20.
- Fox, Frederick L., Washington, D. C. Spark plug. 1,691,760; Nov. 13.
- Fox, George E., Elizabeth, N. J., assignor to Standard Oil Development Company. Transferring gases and vapors. 1,659,948; Feb. 21.
- Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Roll-heating means. 1,676,018; July 3.
- Fox, Harold E., Pittsburgh, Pa., assignor to Syntron Company. Electric percussive tool. 1,678,979; July 31.
- Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for surfacing sheets. 1,660,330; Feb. 28.

- Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for surfacing plate glass. 1,683,342; Sept. 4.
- Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Method and apparatus for surfacing plate glass. 1,686,742; Oct. 9.
- Fox, Julius S., Cleveland, Ohio. Barrier shoe for aeroplanes. 1,674,771; June 26.
- Fox, Julius S., Cleveland, Ohio. Launching and landing platform. 1,681,474; Aug. 21.
- Fox Machine Company. (See Riddell, Austin A., assignor.)
- Fox, Martin, assignor to The Seng Company, Chicago, Ill. Adjustable stool. 1,688,415; Oct. 23.
- Fox, Martin, assignor to The Seng Company, Chicago, Ill. Corner lock. 1,696,269; Dec. 25.
- Fox, Maud C. (See Scott, I. G. and Fox.)
- Fox, Maud C., New York, N. Y. Wall pot holder. Des. 75,786; July 17.
- Fox, Otto, Lakewood, assignor to The Bryant Heater and Manufacturing Company, Cleveland, Ohio. Water heater. 1,679,120; July 31.
- Fox, Ralph P., Harrisburg, Pa. Dirigible airship. 1,681,848; Aug. 21.
- Fox, Ralph P., Harrisburg, Pa. Dirigible airship. 1,684,730; Sept. 18.
- Fox, Ralph P., Harrisburg, Pa. Mooring means for airships. 1,686,806; Oct. 9.
- Fox, Richard W., Birmingham, Ala. Tube closure. 1,686,520; Oct. 9.
- Fox, Stockell & Company. (See Valle-Jones, Frederick W., assignor.)
- Fox, Thomas W., Cincinnati, Ohio. Monument. Des. 77,084; Dec. 4.
- Fox, Tom, Spalding, Nebr. Harrow-disk sharpener. 1,665,954; Apr. 10.
- Fox, William A., Greeley, Kan. Badge. Des. 75,232; May 22.
- Fox, William F., assignor, to Natural Color Pictures Company, Inc., New York, N. Y. Production of colored photographs. 1,685,281; Sept. 25.
- Foxboro Company, The. (See Bristol, Edgar H., assignor.)
- Foxboro Company, The. (See Fitts, Walter H., assignor.)
- Fr. Hesser Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
- Frass, Albert, Hagen, Germany, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Tube filler. 1,663,696; Mar. 27.
- Frahm, Carl A., and J. H. Schlafly, assignors, by mesne assignments, to The Berger Manufacturing Company. Channel-forming machine. 1,673,787; June 12.
- Frailey, Joseph R. (See Kelso, Joseph, assignor.)
- Frailey, Pierre L., Cleveland, Ohio. Bottle. Des. 74,732; Mar. 20.
- Frakes, Frank F., assignor of one-half to J. M. Dedman, Columbia, Tenn. Attachment plug. 1,664,408; Apr. 3.
- Fraley, Clifford A., Belleville, N. J., assignor to Revere Rubber Company, Chelsea, Mass. Expansion joint. 1,696,435; Dec. 25.
- Fralick, Allan. (See Ridgway, A. O. and Fralick.)
- Frambach, Mathew J., Hartley, Iowa. Chain coupler. 1,684,580; Sept. 18.
- Frame, August J. (See Gilmore, J. G. and Frame.)
- Frame, Augustus J. (See Gilmore, J. G. and Frame.)
- Frampton, William R., assignor to Southern California Edison Company, Los Angeles, Calif. Electrical apparatus. 1,696,348; Dec. 25.
- France, Edward E., Holyoke, Colo. Mechanical toy. 1,670,249; May 15.
- France, James K., Shamrock, Saskatchewan, Canada. Wagon-box end gate. 1,657,077; Jan. 24.
- France, Talbott H., Brooklyn, N. Y. Recovery of precious minerals. 1,679,857; Aug. 7.
- Francis, Charles B., Pittsburgh, Pa. Manifold for gas-analysis apparatus. 1,668,362; May 1.
- Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Remote control for rolling-mill screw downs. 1,676,180; July 3.
- Francis, Daniel R., assignor to The Waterbury Tool Company, Waterbury, Conn. Handwheel and locking device for speed gears. 1,680,975; Aug. 14.
- Francis, Ethelbert, Moundsville, W. Va. Automobile tire carrier. 1,686,231; Oct. 2.
- Francis, Evan J. (See Campbell, Earl F. B., assignor.)
- Francis, Harry G., Rushville, Ind. Glue spreader. 1,661,174; Mar. 6.
- Francis, Harry G., Rushville, Ind. Bolt head. 1,664,207; Mar. 27.
- Francis, Jacob R. (See Hegginbottom, W. and Francis.)
- Francis, Jacob R. (See Hegginbottom, W. G., and Francis.)
- Francis, Jacob R. (See Redmond, Albert G., assignor.)
- Francis, Jacob R., Flint, Mich. Intake manifold and heating-medium control for internal-combustion engines. 1,680,373; Aug. 14.
- Francis, John L., et al. (See Hastings, Frank T., assignor.)
- Francis, Joseph N., Woburn, assignor to Standard Coin Wrappers, Inc., Boston, Mass. Method and machine for making paper tubes. 1,690,287; Nov. 6.
- Francisco, Fred C. (See Badde, V. H. and Francisco.)
- Francie, William J., New Brunswick, N. J. Temperature indicator. 1,657,853; Jan. 24.
- Franco, Attilio, Milan, Italy. Steam generator. 1,666,128; Apr. 17.
- Franco, Attilio, Milan, Italy. Articulated coupling for rigid-frame units. 1,678,428; July 24.
- Franco, Attilio, Milan, Italy. Steam locomotive. 1,682,006; Aug. 28.
- Francois, Clifford J., sr., assignor of one-half to J. H. Hass, sr., McDonoughville, La. Single-service brush. 1,683,538; Sept. 4.
- Francois, Ferdinand. (See Williams, C. and Francois.)
- Frandsen, Peter, Monett, Mo. Safety switch stand. 1,681,475; Aug. 21.
- Frank, Arthur A., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Calendaring. 1,674,772; June 26.
- Frank, Charles F., Brooklyn, N. Y. Cheese slicer. 1,658,675; Feb. 7.
- Frank, Felix, San Francisco, Calif., assignor, by mesne assignments, to W. W. Kemp, Baltimore, Md. Treatment of carbonaceous and other materials. 1,677,757; July 17.
- Frank, Felix, San Francisco, Calif., assignor, by mesne assignments, to W. W. Kemp, Baltimore, Md. Treatment of carbonaceous and other materials. 1,677,758; July 17.
- Frank, Gustav, Wichita Falls, Tex. Clamp. 1,685,696; Sept. 25.
- Frank, Harrison J. L., Detroit, Mich. Double-throw switch. 1,661,795; Mar. 6.
- Frank, Harry, Brooklyn, N. Y. Burglar protection. 1,661,752; Mar. 6.
- Frank, Harry S., Brooklyn, N. Y. Piston ring. 1,678,248; July 24.
- Frank, Hugo, Hartford, Conn., assignor to The Frank E. Wolcott Manufacturing Co. Electrical stove. 1,662,805; Mar. 13.
- Frank, Jacob, assignor to The Frank Tea & Spice Company, Cincinnati, Ohio. Can. 1,694,119; Dec. 4.
- Frank, John C., Chicago, Ill. Radiator support. 1,674,358; June 19.
- Frank, John M., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Electric heater. 1,659,400; Feb. 14.
- Frank, Joseph L. (See Abel, Clarence E., assignor.)
- Frank, Michael, and H. and E. R. Zimmerman, Detroit, Mich. Closure fastener. 1,673,189; June 12.
- Frank, O. E., Heater & Engineering Co. (See Frank, Olive E., assignor.)
- Frank, Olive E., assignor to O. E. Frank Heater & Engineering Co., Inc., Buffalo, N. Y. Heat interchanger. 1,688,183; Oct. 16.
- Frank, Pardee H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft bearing. 1,676,894; July 10.
- Frank, Samuel K., et al. (See Powell, Dalton U., assignor.)
- Frank, Samuel K., Wheeling, W. Va. Garbage can. 1,656,053; Jan. 10.
- Frank Tea & Spice Company, The. (See Frank, Jacob, assignor.)
- Frank & Son, Inc. (See Conners, John J., assignor.)
- Frank, Walter N., L. D. Croninger, Dayton, Ohio, and R. Hill, West Hartford, Conn., assignors to The Grolan Manufacturing Company, Dayton, Ohio. Liquid-level gauge. 1,658,235; Feb. 7.
- Frankart, Inc. (See Von Frankenberg, Arthur, assignor.)
- Frankel, Fritz, Berlin, Germany. Swimming bladder. 1,693,779; Dec. 4.
- Frankel, Armin A., Philadelphia, Pa. Bank check and stub. 1,671,418; May 29.
- Frankel, William, Astoria, N. Y. Peephole for doors. 1,676,140; July 3.
- Frankenberg, Fred W., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Combination faucet and soap dish. Des. 76,925; Nov. 20.
- Frankenberg, Fred W., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Lavatory. Des. 76,745; Oct. 30.
- Frankenberg, William, Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Flush tank. 1,671,361; May 29.
- Frankenburger, Walter. (See Müller, C., Frankenburger, and Grassner.)
- Frankenstein, William B., Rochester, N. Y. Record holder. 1,682,272; Aug. 28.
- Frankie, Milton S., Des Moines, Iowa. Deflector for motor-vehicle hot-air heaters. 1,690,723; Nov. 13.
- Franklin, Charles B., Springfield, Mass., assignor to Indian Motorcycle Company. Generator assembly for motorcycle engines. 1,693,696; Dec. 4.
- Franklin, Charles S., Buckhurst Hill, England, assignor to Radio Corporation of America. Generating electric oscillations of high frequency. 1,658,162; Feb. 7.
- Franklin, Charles S., London, England, assignor, by mesne assignments, to Radio Corporation of America. Wireless telegraph receiver. 1,694,646; Dec. 11.
- Franklin, Charles S., Buckhurst Hill, and P. P. Eckersley, Witham, England, assignors to Radio Corporation of America. Wireless signaling. 1,662,459; Mar. 13.
- Franklin, Chester and C., Willard, Ohio. Milk-bottle support. 1,667,032; Apr. 24.
- Franklin, Christine. (See Franklin, Chester and C.)
- Franklin Development Corporation. (See Murphy, Ralph, assignor.)
- Franklin, E. L. & Co. (See Batchelder, Charles H.)

- Franklin Furniture Company. (See Smith, Lathrop F., assignor.)
- Franklin, H. H., Manufacturing Company. (See Marks, Edward S., assignor.)
- Franklin Lamp Manufacturing Co. (See Stivale, Joseph, assignor.)
- Franklin Printing Company, The. (See Smith, Clarence L., assignor.)
- Franklin Process Company. (See Wood, John M., assignor.)
- Franklin Railway Supply Company. (See Caldwell, Edwin de H., assignor.)
- Franklin Railway Supply Company. (See Haskell, Broderick, Jr., assignor.)
- Franklin Railway Supply Company. (See Hutchinson, Lloyd N., assignor.)
- Franklin Railway Supply Company. (See Martin, Frederick, F., assignor.)
- Franklin Railway Supply Company. (See Martin, Frederick W., assignor.)
- Franklin Railway Supply Company. (See Peters, Frank R., assignor.)
- Franklin Railway Supply Company. (See Prescott, Charles F., assignor.)
- Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)
- Franklin Railway Supply Company. (See Roberts, M. H., and Forker, assignors.)
- Franklin Railway Supply Company. (See Vincent, Harry S., assignor.)
- Franklin Railway Supply Company. (See Wallis, John S., assignor.)
- Franklin Railway Supply Company. (See Zouck, George H., assignor.)
- Franklin Simon & Company. (See Burns, Katherine E., assignor.)
- Franklin Simon & Company. (See Carney, Elizabeth, assignor.)
- Franklin Simon & Company. (See Schmolze, Mildred C., assignor.)
- Franklin Simon & Company. (See Siegel, Maude, assignor.)
- Franklin Simon & Co. Inc. (See Fitz Harris, Leo J., assignor.)
- Franklin Simon & Co. Inc. (See Fitz Harris, Thomas J., assignor.)
- Franklin, Wallace G., et al. (See Batchelder, Charles H., assignor.)
- Franko, Stephen D., assignor of one-half to H. E. Dyer, Havre de Grace, Md. Cleaning composition. 1,688,540; Oct. 23.
- Franks, Charles K., et al. (See Franks, David, assignor.)
- Franks, David, assignor of one-third to C. K. Franks and one-third to S. Franks, Jr., Millersburg, Ohio. Machine for separating seeds. 1,686,374; Oct. 2.
- Franks, Harry H., Tulsa, Okla. Belt placer. 1,688,579; Oct. 23.
- Franks, Russell, Elmhurst, N. Y., assignor to Oxweld Acetylene Company. Welding rod. 1,671,417; May 29.
- Franks, Russell, Elmhurst, and B. E. Field, Douglaston, N. Y., assignors to Haynes Stellite Company. Alloy. 1,684,131; Sept. 11.
- Franks, Russell, Brooklyn, and B. E. Field, Douglaston, N. Y., assignors to Haynes Stellite Company. Alloy and making same. 1,675,798; July 3.
- Franks, Samuel, Jr., et al. (See Franks, David, assignor.)
- Franson, Fritz H., Denver, Colo. Building construction. 1,666,235; Apr. 17.
- Frantz, Cruthers I., Los Angeles, Calif. Air-brake apparatus. 1,680,533; Aug. 14.
- Frantz, Harry F., Cleveland, Ohio. Crutch attachment. 1,684,697; Sept. 18.
- Frantz Manufacturing Co. (See Ferris, William D., assignor.)
- Frantz, Walter A., Cleveland, Ohio. Suction cleaner. 1,660,331; Feb. 28.
- Frantz, Walter A., Cleveland, Ohio. Washing machine. 1,660,957; Feb. 28.
- Frantz, Walter A., Cleveland, Ohio. Time switch. 1,666,129; Apr. 17.
- Frantz, Walter A., Cleveland, Ohio. Suction cleaner. 1,678,111; July 24.
- Frantz, Walter A., assignor to The Apex Electrical Manufacturing Company. Cleveland, Ohio. Suction cleaning device. 1,677,625; July 17.
- Franz, Frederick, Woodhaven, N. Y. Treatment of containers. 1,675,541; July 3.
- Franz, Joseph, Berlin-Neutempelhof, Germany. Machine for coating objects. 1,664,505; Apr. 3.
- Franz and Summers. (See Summers, Louis D., assignor.)
- Franzen, Adolph, near Howard, S. Dak. Automatic railway-crossing signal. 1,680,605; Aug. 14.
- Franzen, Frank, et al. (See Schiffko, Ewald J., assignor.)
- Franzen, Joseph J. (See Hachmann, Frederick, assignor.)
- Franzen, Nicklas, Long Beach, Calif. Glassworking machine. 1,668,200; May 1.
- Franzmeier, Fred C., Galena, Ill. Can cover. 1,671,025; May 22.
- Frappay, Joseph, Stirling, Ontario, Canada. Septic tank. 1,677,626; July 17.
- Frary, Francis C. (See Doerschuk, V. C., and Frary.)
- Frasca, Albert. (See Frasca, Alfred F., A., and A. A.)
- Frasca, Alfred F., A., and A. A., Sandy Ridge, Pa. Brake. 1,662,497; Mar. 13.
- Frasca, Arnold A. (See Frasca, Alfred F., A., and A. A.)
- Frasca, Philip. (See Martino, N., Frasca, and Oster.)
- Fraser, Andrew, Croyden, England. Colloid mill. 1,696,083; Dec. 18.
- Fraser, Andrew, assignor to Rissik Fraser and Company Limited, Croydon, and Francis Shaw and Company Limited, Bradford, England. Roll and like bearings for rubber grinding, mixing, washing, calendaring, or other machines. 1,672,118; June 5.
- Fraser, Arthur C. (See Wales, Rowland T., assignor.)
- Fraser, Frank, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass. 1,669,044; May 8.
- Fraser, Frank, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for producing pressed sheet glass. 1,670,110; May 15.
- Fraser, Frank, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass-edge-forming means. 1,684,440; Sept. 18.
- Fraser, Fred L., Philadelphia, Pa. Pipe-bowl knife. 1,695,145; Dec. 11.
- Fraser, George H., Brooklyn, N. Y. Drive and driven device. 1,694,008; Dec. 4.
- Fraser, Grace L., and C. T. Kent, London, England. Doll. Des. 77,325; Dec. 25.
- Fraser, James, Hillcrest, Edgemoor, assignor to The Speakman Company, Wilmington, Del. Combination faucet and soap dish. Des. 76,790; Nov. 6.
- Fraser, James, Edge Moor, assignor to The Spekaman Company, Wilmington, Del. Combined valve stem, handle, and escutcheon. Des. 76,995; Nov. 27.
- Fraser, James, Edge Moor, assignor to The Speakman Company, Wilmington, Del. Nozzle. Des. 76,996; Nov. 27.
- Fraser, John, Jr., assignor to Milwaukee Valve Company, Milwaukee, Wis. Valve. 1,675,172; June 26.
- Fraser, John Jr., assignor to Milwaukee Valve Company, Milwaukee, Wis. Valve structure. 1,689,236; Oct. 30.
- Fraser, John A., Berkeley, Calif., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,671,362; May 29.
- Fraser, Rissik, and Company Limited et al. (See Fraser, Andrew, assignor.)
- Fraser, Warren F., Westboro, assignor, by mesne assignments, to Worcester Steel Products Company, Worcester, Mass. Grinding machine. 1,656,820; Jan. 17.
- Fraser, William H., et al. (See Bennett, James C., assignor.)
- Fraser, Harry E., assignor of one-third to O. G. Marsh, Devon, Conn. Battery connection. 1,679,716; Aug. 7.
- Fraser, Marion E., assignor of one-half to J. H. Pitkin, Corinth, N. Y. License-plate holder. 1,655,993; Jan. 10.
- Frauenberger, William, Los Angeles, Calif. Tuning hammer. 1,693,292; Nov. 27.
- Frauenheim, Aloysius M., Pittsburgh, Pa. Fluid valve. 1,686,849; Oct. 9.
- Fraunfelder, George D., assignor to Easton Car & Construction Company, Easton, Pa. Box-girder construction for car bodies. 1,694,537; Dec. 11.
- Frayer, Harry C., assignor to Sterilizable Tooth Brush Container Company, St. Paul, Minn. Toothbrush container. 1,685,876; Oct. 2.
- Fraye, Lee A., Columbus, Ohio. Clutch mechanism for bar machines. 1,695,954; Dec. 18.
- Fraye, Lee A., Columbus, Ohio. Blanking metallic articles. 1,695,955; Dec. 18.
- Frayne, John G., Yellow Springs, Ohio, and F. D. Moran, Chicago, Ill. Oscillation-retarding device. 1,686,909; Oct. 9.
- Frazier, Gilbert S. (See Gordon, D. E. and Frazier.)
- Frazier, Charles A., Fair Oaks, Calif. Pipe band. 1,684,666; Sept. 18.
- Frazier, Chauncey E., Washington, Pa. Melting furnace. 1,675,542; July 3.
- Frazier, Franklin M., Placerville, Colo. Knitting needle. 1,676,947; July 10.
- Frazier, Jesse L. (See Schwieren, Anton, assignor.)
- Frazier, John W., assignor to Uvalde Rock Asphalt Company, San Antonio, Tex. Bituminous roadway. 1,672,408; June 5.
- Frazier, Pearl G., Ankey, Iowa. Rotary valve structure. 1,663,075; Mar. 20.
- Frazier, Pearl G., Ankeny, Iowa. Engine and valve structure. 1,672,564; June 5.
- Frazier, Silas E., Marion, Ind. Dumping wagon. 1,658,236; Feb. 7.
- Frazier, William T., Chase City, Va. Wheel-aligning tool. 1,665,161; Apr. 3.
- Fread, Guy, assignor of one-half to J. Manley, Enid, Okla. Electric-lighting fixture. 1,680,606; Aug. 14.
- Frease, Hurxthal F. (See Dawson, G. H., and Frease.)
- Frease, Hurxthal F., Canton, Ohio. Tubular frame structure. 1,665,921; Apr. 10.
- Frease, Hurxthal F., Canton, Ohio. Tubular structure. 1,677,714; July 17.
- Frease, Hurxthal F., Canton, Ohio. Trussed structure. 1,680,976; Aug. 14.
- Frease, Hurxthal F., Canton, Ohio. Lever arch. 1,686,910; Oct. 9.

- Frease, Hurxthal F., Canton, Ohio, assignor of one-half to S. R. Hoyt, New York, N. Y. Vehicle wheel. 1,661,117; Feb. 28.
- Frech, Theodore W., Cleveland, Ohio, assignor to General Electric Company. Headlamp-adjusting chart. 1,677,028; July 10.
- Fréchou, Emile M. E., Paris, France. Process and device for the purification of hard water by base-exchanging bodies. 1,657,822; Jan. 31.
- Frede, Charles F., St. Louis, Mo., assignor to Common wealth Steel Company, Granite City, Ill. Car under-frame. 1,666,929; Apr. 24.
- Frederick, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Objective. 1,668,956; May 8.
- Frederick, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera finder. 1,676,540; July 10.
- Frederick, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Optical system for color processes. 1,685,600; Sept. 25.
- Frederick, Clarence H., assignor to Simmons Company, Kenosha, Wis. Tube-bending machine. 1,690,724; Nov. 6.
- Frederick, Edmund, assignor to Kent Owens Machine Company, Toledo, Ohio. Engine-lubricating system. 1,674,103; June 19.
- Frederick Engineering Company, The. (See Raun, Peter H., assignor.)
- Frederick, Halsey A. (See Dodge, H. F., and Frederick.)
- Frederick, Halsey A., Mountain Lakes, and D. G. Blattner, Bogota, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Acoustic stethoscopes. 1,657,078; Jan. 24.
- Frederick, Harvey, Newark, N. J. Advertising device. 1,691,712; Nov. 13.
- Frederick Iron & Steel Company, The. (See Riddell, William A., assignor.)
- Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Composite gear and making same. 1,663,477; Mar. 20.
- Frederick, Louis T., assignor to Chicago Mica Company, Valparaiso, Ind. Mica-separating machine. 1,666,130; Apr. 17.
- Frederick, Virgil E., Springfield, Mo. Window-operating device. 1,657,466; Jan. 31.
- Fredericks, Martin A. (See Lyon, Charles D., assignor.)
- Fredericksen Company. (See Schupp, Arthur A., assignor.)
- Frederickson, Clayton E., Chicago, Ill. Traction wheel and chain. 1,687,834; Oct. 16.
- Frederickson, Holger E., assignor of thirty-five one-hundredths to K. B. Wosse, Chicago, Ill. Piston and connecting rod. 1,671,708; May 29.
- Frederickson, Otto A., assignor to American Wiremold Company, Hartford, Conn. Conduit for electric conductors. 1,676,486; July 10.
- Frederickson, Otto A., Wethersfield, assignor to The Wire Mold Company, Hartford, Conn. Circular loom. 1,683,385; Sept. 4.
- Frederickson, Otto A., Wethersfield, Conn., assignor to National Electric Products Corporation, Pittsburgh, Pa. Armored electric cable. 1,687,013; Oct. 9.
- Frederickson, Otto A., Wethersfield, assignor to The Wiremold Company, Hartford, Conn. Circular loom. 1,694,254; Dec. 4.
- Frederics, E., Inc. (See Brown, James C., assignor.)
- Frederics, E., Inc. (See Frederics, Ernest O., assignor.)
- Frederics, E., Inc. (See Kayle, Oscar C., assignor.)
- Frederics, Ernest O., assignor to E. Frederics, Inc., New York, N. Y. Fixture. 1,678,249; July 24.
- Fredlund, Rognor F., Portland, Oreg. Paper-dispensing device. 1,686,911; Oct. 9.
- Fredrick, Edgar, New Orleans, assignor of one-half to L. J. Le Blanc, Jefferson Parish, La. Resilient tire. 1,664,674; Apr. 3.
- Fredrickson, Axel E., Ferndale, Mich. Combination roaster and mixer. 1,665,778; Apr. 10.
- Free Sewing Machine Company. (See Kelso, Ralph S., assignor.)
- Free, Walter H., New Rochelle, N. Y. Liquid-fuel combustion. 1,689,667; Oct. 30.
- Freeborn, Cornelius C., sr. (See Freeborn, Edward H., assignor.)
- Freeborn, Edward H., New York, N. Y., assignor to C. C. Freeborn, sr., New Milford, N. J. Sound clarifier. 1,694,848; Dec. 11.
- Freiburg, Walter S., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Stretching device. 1,668,555; May 8.
- Freed-Eisemann Radio Corporation. (See Freed, Joseph D. R., assignor.)
- Freed, Francis B., Wellington, New Zealand. Ticket-dating machine. 1,673,503; June 12.
- Freed, Horace. (See Weyler, F. P. A., and Freed.)
- Freed, Joseph D. R., Woodmere, assignor to Freed-Eisemann Radio Corporation, Brooklyn, N. Y. Eliminating reactive coupling in radiocircuits. 1,671,959; May 29.
- Freedman Cut-Outs, Inc. (See Freeman, William, assignor.)
- Freedman, Leopold, et al. (See Newell, Floyd B., assignor.)
- Freedman, William, Brooklyn, assignor to Freedman Cut-Outs, Inc., New York, N. Y. Display poster. 1,655,539; Jan. 10.
- Freedman, William M., Brooklyn, assignor to Sell-Best Novelty Candy Co. Inc., Brooklyn, N. Y. Box. 1,679,121; July 31.
- Freeland, Claud H., Lansing, Mich. Window. 1,682,669; Aug. 28.
- Freeland, F. B., et al. (See Weston, Charles W., assignor.)
- Freeman, Albert E. (See Bartenbach, H., and Freeman.)
- Freeman, Benjamin W. (See Brodfuehrer, B. B., Freeman, and Jester.)
- Freeman, Benjamin W. (See Thomas, Alfred J., assignor.)
- Freeman, Benjamin W., Cincinnati, Ohio. Cut-out machine for shoe uppers. 1,681,033; Aug. 14.
- Freeman, Benjamin W., Cincinnati, Ohio. Shoe-ornamenting machinery. 1,686,631; Dec. 25.
- Freeman, Benjamin W., assignor to The Louis G. Freeman Company, Cincinnati, Ohio. Making boots and shoes. 1,675,295; June 26.
- Freeman, Beryl, Cambridge, Ohio. Polishing attachment for vacuum cleaners. 1,684,698; Sept. 18.
- Freeman, Charles A., assignor to The Simplex Ticket Company, Chicago, Ill. Ticket and producing the same. 1,692,405; Nov. 20.
- Freeman, Deane M., Brooklyn, assignor to F. H. Roberts Company, Boston, Mass. Combination dispensing and display device. 1,671,186; May 29.
- Freeman, Edgar H., assignor to Circle F Mfg. Co., Trenton, N. J. Electric socket. 1,665,495; Apr. 10.
- Freeman, Edgar H., Trenton, assignor, by mesne assignments, to Circle F Mfg. Co., Trenton, N. J. Adjustable candelabrum socket. 1,665,779; Apr. 10.
- Freeman, Edgar H., assignor to Circle F Mfg. Co., Trenton, N. J. Switch. 1,682,007; Aug. 28.
- Freeman, Ella M. (See Weeden, Arthur W., assignor.)
- Freeman, George, New York, N. Y. Dimmer wall switch. 1,664,165; Mar. 27.
- Freeman, Hadley F., Milwaukee, Wis. Wrapping machine. 1,669,513; May 15.
- Freeman, Hubert M. (See Sutherland, L., and Freeman.)
- Freeman, Hubert M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube structure. 1,673,560; June 12.
- Freeman, Hubert M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio vacuum tube. 1,685,994; Oct. 2.
- Freeman, Hubert M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Non-microphonic triode. 1,689,821; Oct. 30.
- Freeman, Ira, Cataract, Ind. Welding compound. 1,691,388; Nov. 13.
- Freeman, Jesse, Pittsburgh, Pa. Wardrobe. 1,680,864; Aug. 14.
- Freeman, John C., Jeffersonville, Ind. Bread-splitting machine. 1,680,779; Aug. 14.
- Freeman, John R., Providence, R. I. Supporting pier. 1,658,633; Feb. 7.
- Freeman, L. E., Company. (See Stelter, George W., assignor.)
- Freeman, Louis G., Company, The. (See Freeman, Benjamin W., assignor.)
- Freeman, Lowell C., H. E. Maynard, and C. Breer, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Braking system. 1,670,533; May 22.
- Freeman, Michael N., Racine, Wis. Heating apparatus. 1,696,031; Dec. 18.
- Freeman, Oscar W. (See Mings, J. F., and Freeman.)
- Freeman, Will. (See Sperry, Philmore E., assignor.)
- Freeport Sulphur Company, The. (See Lundy, W. T., and Burns, assignors.)
- Froer, Charles K., Fond du Lac, Wis. Rail joint. 1,692,254; Nov. 20.
- Freer, Phelps M., Detroit, Mich. Oil-rectifying apparatus. 1,660,611; Feb. 28.
- Freer, Phelps M., Detroit, Mich. Liquid-flow regulator. 1,687,286; Oct. 9.
- Freese, Frank G., Aldan, and R. C. Paxson, Llanerch, Pa. Rail anchor. 1,695,998; Dec. 18.
- Freestate, Charles P., Riverside, assignor to Western Shade Cloth Company, Chicago, Ill. Shade-roller mounting. 1,686,208; Oct. 2.
- Froi, Albert, et al. (See Tanner, Jacob, assignor.)
- Freiberg, George W., St. Louis, Mo. Making acetone and butyl alcohol. 1,672,487; June 5.
- Freiberger, Moritz, and A. Holtmann, Berlin-Charlottenburg, Germany. Calico-printing color composition and process. 1,665,162; Apr. 3.
- Freiburghouse, Edward H., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 1,672,680; June 5.
- Freidah, Judson B., New York, N. Y. Traffic signal. 1,690,971; Nov. 6.
- Freiman, Abram, Newark, N. J. Savings bank. Des. 75,158; May 15.
- Freise, Frederick W. (See Barsky, G., and Freise.)
- Freislinger, Josef, Vienna, Austria. Internal-combustion engine provided with an auxiliary charging pump. 1,662,854; Mar. 20.
- Freitag, Charles C. (See Osborne, J. W., and Freitag.)
- Frelinghuysen, George G., Newark, N. J. Can-cooling apparatus. 1,662,803; Mar. 13.

- Frémion, Maurice, Paris, France. Flushing device. 1,654,870; Jan. 3.
- Fremon, Jules A., and A. S. De Haven, Leeper, Mo., assignors to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Fountain pen desk stand. 1,675,543; July 3.
- Fremont, George R., Richmond, Va. Radio tuning mechanism. 1,681,529; Aug. 21.
- French Battery Company. (See Anthony, Herman R. C., assignor.)
- French Battery Company. (See Barany, Edmund R., assignor.)
- French Battery Company. (See McCabe, Eugene H., assignor.)
- French Battery Company. (See Melsekothen, Edwin E., assignor.)
- French, Charles A., Chicago, and G. W. Engstrom, Riverside, Ill., assignors to International Harvester Company. Semiflash boiler. 1,696,892; Dec. 25.
- French, Charles A., and R. R. Waterman, Long Beach, Calif., assignors to Farmers National Bank, trustee, Greenville, Ohio. Automatic fuel-regulating device for steam-power plants. 1,681,530; Aug. 21.
- French, Cyril. (See Mackintosh, E. V., and French.)
- French, Edward H., Columbus, Ohio. Recovering resinous by-products in the manufacture of wood pulp. 1,693,586; Nov. 27.
- French, Frederick W., Oakland, Calif. Container. 1,681,237; Aug. 21.
- French, Grant B. (See Wood, M. C., and French.)
- French, Harry W., Syracuse, N. Y. Warm-air furnace. 1,684,914; Sept. 18.
- French & Hecht, Inc. (See Einfeldt, Ernest E., assignor.)
- French & Hecht, Inc. (See Hecht, Joseph L., assignor.)
- French, Henry G., and E. W. McSheen, Schenectady, N. Y., assignors to General Electric Company. Swivel wheel. 1,661,889; Mar. 6.
- French, Herbert F. (See Hill, Dwight B., assignor.)
- French, James W. (See Stroud, W. and French.)
- French, James W., Anniesland, Glasgow, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Periscopic apparatus for range finding, height finding. 1,673,320; June 12.
- French, Jared B., Rutherford, N. J. Roofing. 1,691,343; Nov. 13.
- French, Joseph W., Great Bend, Kans. Load retainer for trucks. 1,668,401; May 1.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,664,607; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,664,608; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,664,609; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-feeding system. 1,664,610; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,664,611; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-control valve. 1,664,612; Apr. 3.
- French, Louis O., Milwaukee, Wis. Electromagnetic valve. 1,664,613; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,664,614; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,664,615; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-control valve. 1,664,616; Apr. 3.
- French, Louis O., Milwaukee, Wis. Fuel-injection system. 1,679,158; July 31.
- French, Norman R., and M. K. Zinn, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Method of and apparatus for reducing width of transmission bands. 1,671,151; May 29.
- French Oil Mill Machinery Co., The. (See Upton, Charles B., assignor.)
- French, Rainford, Washington, D. C. Traffic signal. 1,686,850; Oct. 9.
- French, Ralph W., and W. C. Holmes, assignors to W. F. Keohan, trustee, Washington, D. C. Biological stains, bacteriocidal agents and the like, and preparing the same. 1,661,568; Mar. 6.
- French, Raymond E., Los Angeles, Calif. Nonclogging baseball-shoe spike. 1,675,885; July 3.
- French, Robert G., Oak Park, assignor to W. O. Belt, Chicago, Ill. Combined radiophone and phonograph. Re17,081; Sept. 11.
- French, Theodore H., Washington, Pa. Broom. 1,659,194; Feb. 14.
- French, William C., Burkburnett, Tex. Cotton-picker's cuff. 1,685,808; Oct. 2.
- Frenette, Harry E., Duluth, Minn. Radius tool. 1,684,667; Sept. 18.
- Frenette, Real, Rosemont, Montreal, Quebec, assignor of one-half to W. Lemoine, Montreal, Canada. Stone-cutting device. 1,656,855; Jan. 17.
- Frenkel, Guillermo, Buenos Aires, Argentina. Signaling device for motor cars and the like. 1,682,497; Aug. 28.
- Frenz, Herman E., assignor to The Falk Corporation, Milwaukee, Wis. Bending machine. 1,676,215; July 3.
- Frentzen, Paul T., Berkeley, Calif. House cornice. 1,668,957; May 8.
- Frenz, Frederick J., Avalon, Pa. Heating system. 1,691,435; Nov. 13.
- Frenzel, Kurt, Leipzig-Stotteritz, Germany. Automatic numbering device for printing presses. 1,673,321; June 12.
- Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Arm unit for lighting fixtures. Des. 75,417; June 5.
- Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Arm unit for lighting fixtures. Des. 75,418; June 5.
- Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Chandelier. Des. 75,419; June 5.
- Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Lighting fixture. Des. 75,420; June 5.
- Freshman, Chas., Co. Inc. (See Brady, Arthur C., assignor.)
- Freshwater, Henry T. L. (See Fleming, Albert E., assignor.)
- Fresk, Per A., Robertsfors, Sweden. Charging cellulose digesters and the like and means therefor. 1,676,691; July 10.
- Fresk, Per A., Robertsfors, Sweden. Charging cellulose digesters and the like and means therefor. 1,690,192; Nov. 6.
- Fretz-Moon Tube Company. (See Moon, John W., assignor.)
- Freudenreich, William F., et al., trustees. (See Arey, Fred C., assignor.)
- Freund, Erich, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Production of unsaturated organic compounds. 1,672,378; June 5.
- Freund, Walter L., and F. B. Menner, St. Louis, Mo. Baker's machinery. 1,686,607; Oct. 9.
- Freund, William, Waterloo, Ill. Sweet-clover beater. 1,668,064; May 1.
- Freundlich, Ralph A., Brooklyn, N. Y. Doll toy. 1,671,235; May 29.
- Freundt, Louis J., Chicago, Ill., assignor to American Can Company, New York, N. Y. Combined interior collar can and pail. 1,691,276; Nov. 13.
- Frevert, Albert A., assignor to Crippen Manufacturing Company, Alma, Mich. Vibrating mechanism. 1,677,759; July 17.
- Frew, George H., jr. (See Frew, G. H., jr., and Nilson, assignors.)
- Frew, George H., jr., Palisade, N. J., and O. W. Nilson, Philadelphia, Pa., assignors to G. H. Frew, jr., Palisade, N. J. Automatic reversing mechanism for tapping machines. 1,658,045; Feb. 7.
- Frey, Armand C., Soultz, France. Viscose-distributing device for artificial-silk plants. 1,691,713; Nov. 13.
- Frey, Charles N. (See Hoffman, C. Frey, and Hildebrandt.)
- Frey, Clarence E., Lincoln, Nebr. Medical applicator. 1,686,151; Oct. 2.
- Frey, Clarence W., assignor to Endicott Johnson Corporation, Endicott, N. Y. Sole for boots and shoes. Des. 76,528; Oct. 9.
- Frey, Frederick, Cincinnati, Ohio. Making sausage casings. 1,690,779; Nov. 6.
- Frey, Henry. (See Dugert, P., Frey, and Dunleavy.)
- Frey, Henry, Havana, Ill. Filing device. 1,674,359; June 19.
- Frey, Karl. (See de Freudenreich, J., and Frey.)
- Frey, Karl. (See Myer, A., and Frey.)
- Frey, Karl, Ennetbaden, Switzerland, assignor to A. G. Brown, Boveri & Cie., Baden, Switzerland. Turbo-generator installation. 1,657,433; Jan. 24.
- Frey, Karl, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Draining the low-pressure blading of steam turbines. 1,679,519; Aug. 7.
- Frey, Karl, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Turbine construction. 1,691,184; Nov. 13.
- Frey, Ralph D., Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company. Fastener. 1,661,251; Mar. 6.
- Frey, Victor M., York, Pa. Manufacture of finishing lime. 1,689,237; Oct. 30.
- Freygang, Walter H., Weehawken, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire-extinguishing apparatus. 1,674,427; June 19.
- Frey Engineering Company. (See Ebner, Alfred J., assignor.)
- Frey Engineering Company. (See Fox, Gordon, assignor.)
- Frey Engineering Company. (See Willcox, Frederick H., assignor.)
- Freysinger, John B., New Britain, Conn. Flexible closure. 1,657,385; Jan. 24.
- Freysinger, John B., New Britain, Conn. Flexible closure. 1,660,192; Feb. 21.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Flexible closure. 1,673,322; June 12.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Flexible closure. 1,673,323; June 12.
- Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Latch. 1,684,217; Sept. 11.

- Freysinger, John B., New Britain, Conn., assignor to Krischer's Manufacturing Company, Brooklyn, N. Y. Belt buckle. 1,688,328; Oct. 23.
- Friberg, Axel A., deceased, Pawhuska, Okla.; J. D. Mitchell, administrator. Arch support. 1,675,214; June 26.
- Frick, Chester A., assignor to Glascock Brothers Mfg. Company, Muncie, Ind. Bottle-dispensing refrigerator. 1,695,956; Dec. 18.
- Frick Company. (See Good, Daniel F., assignor.)
- Frick Company. (See Shenton, Francis, assignor.)
- Frick Company. (See Small, Norman M., assignor.)
- Frick Company. (See Small, N. M., and Buehler, assignors.)
- Frick Company. (See Zumbro, Frank R., assignor.)
- Frick Company. (See Zumbro, F. R., and Shenton, assignors.)
- Frick, Frank E., Flushing, N. Y. Hot-tool rotary cutter. 1,682,900; Sept. 4.
- Frick, Frederick, Waynesboro, Pa. Work-holding chuck for headstocks. 1,662,571; Mar. 13.
- Frick, George A., et al., trustees. (See Braecklein, Alfred H., assignor.)
- Frick, J. F., et al., trustees. (See Marsh, Howard E., assignor.)
- Fricke, Leslie W. (See Booty, Philip C. P., assignor.)
- Fricke, Richard, Leipzig-Kleinzschocher, and H. Mross, Pretzsch-on-the-Elbe, Germany. Gas-control apparatus. 1,661,252; Mar. 6.
- Fricke, Anthony, Lakewood, Ohio. Making clasps. 1,671,107; May 29.
- Friction Power Corporation Limited. (See McPherson, Charles, assignor.)
- Friden, Carl M. F., Oakland, Calif. Calculating machine. 1,674,170; June 19.
- Friden, Carl M. F., Oakland, Calif. Reversing mechanism. 1,682,901; Sept. 4.
- Fridman, Jess, et al. (See Bongiovanni, Antonio, assignor.)
- Fridolph, Annette, assignor to A. B. A. Specialties Company, Inc., New York, N. Y. Shoulder strap. Re17,011; June 26.
- Fridolph, John S., assignor to The De-Lite-Us Spring Clasp Corporation, New York, N. Y. Pin wheel. Des. 77,236; Dec. 18.
- Fridolph, John S., New York, N. Y., and J. B. A. Duchesneau, Leominster, Mass., assignors to De-Lite-Us Spring Clasp Corporation, New York, N. Y. Pin wheel. Des. 75,908; July 31.
- Fried, Jacob M., Vicksburg, Miss. Cut-out. 1,668,450; May 1.
- Fried, Karl, New Orleans, La. Dehydrating apparatus. 1,657,745; Jan. 31.
- Fried, Krupp Aktiengesellschaft. (See Bartholdy, Max, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Böhle, Karl, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Böhm, Georg, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Fry, Adolf, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Hauptmeyer, Friedrich, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Herrmann, Heinrich, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Klingelhöffer, Reinhard, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Lauer, Karl, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Schön, Ludwig, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Schön, L., and Leukert, assignors.)
- Fried, Krupp Aktiengesellschaft. (See von Eberhard, Otto, assignor.)
- Fried, Krupp Aktiengesellschaft Germaniawerft. (See Becker, Heinrich, assignor.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Böhm, Georg, assignor.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Hierkt, Ernst, assignor.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Hopf, Wilhelm, assignor.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Jahn, G., and Runkwitz, assignors.)
- Fried, Krupp Germaniawerft Aktiengesellschaft. (See Techel, Hans, assignor.)
- Fried, Krupp Grusonwerk Aktiengesellschaft. (See Born, Alfred, assignor.)
- Fried, Krupp Grusonwerk Aktiengesellschaft. (See Drähn, Carl, assignor.)
- Fried, Krupp Grusonwerk Aktiengesellschaft. (See Kästel, Emil, assignor.)
- Fried, Krupp Grusonwerk Aktiengesellschaft. (See Kutschbach, Paul, assignor.)
- Fried, Krupp Grusonwerk Aktiengesellschaft. (See Sohler, Karl, assignor.)
- Fried, Krupp Grusonwerk Aktiengesellschaft. (See Wiegardt, Paul, assignor.)
- Fried, Mendelson & Company. (See Kaufmann, Warner, assignor.)
- Fried, Mendelson & Company. (See Mendelson, Eugene S., assignor.)
- Friedberg, Leonard, Brooklyn, N. Y. Powder-puff holder and loose-powder container. 1,659,485; Feb. 14.
- Friede, Samuel M., assignor to American Safety Match Corporation, New York, N. Y. Veneer machine. 1,670,657; May 22.
- Friede, Samuel M., New York, N. Y., and C. Hakemeyer, Paterson, N. J., assignors, by mesne assignments, to American Safety Match Corporation, New York, N. Y. Match-splint machine. 1,663,978; Mar. 27.
- Friedel, Arthur C., Syracuse, N. Y. Moth exterminator. 1,655,540; Jan. 10.
- Friedel, Paul, Böhlen, Germany. Device for stopping railroad vehicles independently of the driver. 1,680,215; Aug. 7.
- Friedemann, Matthew M., New York, N. Y. Display fixture or the like. Des. 76,386; Sept. 25.
- Frieden, Alexander, Mount Vernon, assignor of one-third to R. F. Bacon and one-third to A. Hirsch, New York, N. Y. Recovery of camphor. 1,666,645; Apr. 17.
- Friedenthal, Adolph L., Portland, Oreg. Woolen spat. 1,664,617; Apr. 3.
- Friederich, Ernst, Berlin-Charlottenburg, Germany, assignor to Radio Corporation of America. Glow cathode and electron tube containing same. 1,667,471; Apr. 24.
- Friederici, August, Cologne-Mulheim, Germany, assignor to M. Friederici, Steubenville, Ohio. Electrically-driven forging press. 1,677,471; July 17.
- Friederici, Max. (See Friederici, August, assignor.)
- Friedlaender, Leo I. (See Meredith, H. P., and Friedlaender.)
- Friedland, Abraham, Benton Harbor, Mich. Building construction. 1,671,279; May 29.
- Friedlander, Samuel, Astoria, and T. Geismar, Jamaica, N. Y. Sanitary telephone mouthpiece. 1,687,553; Oct. 16.
- Friedley-Voshardt Co. (See Voshardt, Herman F., assignor.)
- Friedley-Voshardt Company. (See Wellman, Lester R., assignor.)
- Friedman, Albert J., Chicago, Ill. Wedding ring. Des. 75,909; July 31.
- Friedman, Arthur, assignor to The Cleveland Heater Company, Cleveland, Ohio. Relief valve. 1,692,773; Nov. 20.
- Friedman, David, and S. Ehrenfeld, New York, N. Y. Display box or similar article. Des. 75,552; June 19.
- Friedman, Elisha M., Brooklyn, N. Y. Cigarette container. 1,689,335; Oct. 30.
- Friedman, Harry J., New York, N. Y. Book. 1,672,608; June 5.
- Friedman, Henry, Brooklyn, N. Y. Slipper. 1,667,629; Apr. 24.
- Friedman, Jacob, Brooklyn, N. Y. Straw hat. 1,686,081; Oct. 2.
- Friedman, Joseph, New York, N. Y. Hinge. 1,676,541; July 10.
- Friedman, Leon, Detroit, Mich. Wire-insulation stripper. 1,692,030; Nov. 20.
- Friedman, Louis, New York, N. Y. Bow tie. Des. 75,361; May 29.
- Friedman, Louis, New York, N. Y. Bow tie. 1,658,634; Feb. 7.
- Friedman, Nathan, Yonkers, N. Y. Smoking pipe. 1,669,045; May 8.
- Friedman Silver Co. (See Budd, Howard L., assignor.)
- Friedman, William, New York, N. Y. Match packet. 1,672,519; June 5.
- Friedman, William, New York, N. Y. Cooling vending container for drinks. 1,681,110; Aug. 14.
- Friedman, William F., Washington, D. C. Electrical signaling. 1,694,874; Dec. 11.
- Friedmann, Albert, Wyomissing, Pa. Automatic feeding and punching mechanism. 1,668,011; May 1.
- Friedrich, Adolph. (See Mernit, Murray, assignor.)
- Friedrich, Albert E., Berlin-Friedenau, Germany. Grinding machine for safety-razor blades. 1,663,907; Mar. 27.
- Friedrich, Albert, and R. O. Powell, San Antonio, Tex. Electric lamp. Des. 77,085; Dec. 4.
- Friedrich, Carl, assignor to Mitteldeutsche Stahlwerke Aktiengesellschaft, Lauchhammer, Germany. Basin. 1,690,482; Nov. 6.
- Friedrich, Edward, San Antonio, Tex. Refrigerated display case. 1,671,419; May 29.
- Friedrich, Fritz R., New York, N. Y. Typewriter construction. 1,683,770; Sept. 11.
- Friedrich, Gebhardt A., Columbus, Ohio. Automobile signal. 1,667,470; Apr. 24.
- Friedrich, Robert, Philadelphia, Pa. Hosiery. Des. 75,835; July 24.
- Friedrich, Robert, Philadelphia, Pa. Hosiery. Des. 76,997; Nov. 27.
- Friend Bentley Elements Company, Limited, The. (See Friend, E. H., and Bentley, assignors.)
- Friend, Berthold, Brooklyn, N. Y. Removable lining for closets and the like. 1,664,854; Apr. 3.
- Friend, David H. (See Serva, A. A., and Friend.)
- Friend, Edward H., and A. G. Bentley, Holborn, London, England, assignors to The Friend Bentley Elements Company Limited, Melbourne, Australia. Internal-combustion engine. 1,679,766; Aug. 7.
- Friend, John A., Norphlet, Ark. Drain valve for deep-well pumps. 1,660,486; Feb. 28.
- Friend, Robert O., and M. Kullander, Hammond, Ind., assignors to Paige & Jones Chemical Co., Inc., New York, N. Y. Water-softening apparatus. 1,659,023; Feb. 14.

- Friend, Theodore E., Norwalk, Ohio. Radiofrequency unit. 1,696,675; Dec. 25.
- Friendly, Herbert M., Chicago, Ill. Automatic telephone system. 1,678,503; July 24.
- Friendly, Herbert M., Chicago, Ill. Call register for telephone systems. 1,694,169; Dec. 4.
- Friendly, Herbert M., Portland, Oreg. Telephone system. 1,694,170; Dec. 4.
- Frier, James H., jr., Webster Groves, Mo. Indicating attachment for speedometers. 1,693,075; Nov. 27.
- Frier, James H., jr., Webster Groves, Mo. Toy house. Des. 77,148; Dec. 11.
- Frier, James H., jr., Webster Groves, Mo. Toy house. Des. 77,149; Dec. 11.
- Fries, Daniel, assignor to The Fries & Son Steel Construction and Engineering Company, Inc., Covington, Ky. Combined washbowl and toilet seat. Des. 75,483; June 12.
- Fries, Franz. (See Imhoff, K., and Fries.)
- Fries, Horace S., Madison, Wis. Milk strainer. 1,679,122; July 31.
- Fries, Samuel W., and E. E. Malott, Kansas City, Mo. Mop head. 1,689,480; Oct. 30.
- Fries & Son Steel Construction and Engineering Company, The. (See Fries, Daniel, assignor.)
- Frieser, Leopold, Berlin-Grunewald, and O. Seewald, Berlin-Schöneberg, Germany. Production of a continuous floor for linoleum, trioline, or the like. 1,659,867; Feb. 21.
- Friet, Fred L. and J. Parkers Prairie, Minn. Hunting boat. 1,657,156; Jan. 24.
- Friet, Joseph. (See Friet, Fred L. and J.)
- Frigidaire Corporation. (See King, J. G., and Hull, assignors.)
- Frigidaire Corporation. (See McCuen, Charles L., assignor.)
- Frigidaire Corporation. (See Summers, Otto M., assignor.)
- Fris, Harald T., Red Bank, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission regulation. 1,675,848; July 3.
- Fris, Harald T., Cliffwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signal reception. 1,678,183; July 24.
- Frink Company, The. (See Holmes, James T., assignor.)
- Frink Corporation, The. (See Roth, Louis, assignor.)
- Frink, Wilbur G. (See Young, J. H., and Frink.)
- Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Pay-telephone-station bank. 1,674,428; June 19.
- Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Toy tape pistol. 1,674,429; June 19.
- Frisbie, Russell A., Middletown, assignor to The J. & E. Stevens Company, Cromwell, Conn. Toy-pistol construction. 1,691,237; Nov. 13.
- Frisch, Martin, St. Louis, Mo., assignor to International Combustion Engineering Corporation, New York, N. Y. Fuel drier. 1,686,690; Oct. 9.
- Frisk, John A., Chicago, Ill. Cream separator. 1,683,882; Sept. 11.
- Fritch, Elue O., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 75,553; June 19.
- Fritchey, Franklin W., Cumberland, Md. Bearing. 1,676,181; July 3.
- Fritchle, Oliver P., Chicago, Ill. Radiocabinet. Des. 76,185; Aug. 28.
- Fritsch, John A., Pittsburgh, Pa. Worktable. 1,663,248; Mar. 20.
- Fritzsche, Rudolf, New York, N. Y. Preparing rust-resisting iron and steel printing plates. 1,681,849; Aug. 21.
- Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,676,542; July 10.
- Fritts, Wilfred G., Lexington, N. C. Tire-splitting machine. 1,684,763; Sept. 18.
- Fritz, August J., Chicago, Ill. Plaster gauge. 1,661,253; Mar. 6.
- Fritz, Edward B., Chicago, Ill. Paper and pulp screening machine. 1,685,809; Oct. 2.
- Fritz, Edward M., assignor to Grand Rapids Cabinet Company, Grand Rapids, Mich. Brick-ice-cream packing and cooling cabinet. 1,696,349; Dec. 25.
- Fritz, Emil F. L., Chicago, Ill. Puzzle. 1,693,711; Dec. 4.
- Fritz, John, New Bedford, Mass. Staple. 1,671,895; May 29.
- Fritz, John L., Geauga Lake, Ohio. Centrifugal separator. 1,694,972; Dec. 11.
- Fritz, Roy D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding and vulcanizing apparatus. 1,655,861; Jan. 10.
- Fritz, Rudolph A., Jr., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Shelving. 1,685,064; Sept. 18.
- Fritzsche, Hermann, E. Krummenacher, H. Gubler, and O. Kaiser, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuffs and making same. 1,667,312; Apr. 24.
- Fritzsche, Johannes, Wiener-Neustadt, Austria. Safety fuse. 1,674,773; June 26.
- Fritzsche, Hans, Vienna, Austria. Antifriction bearing. 1,663,629; Mar. 27.
- Fröb, Walther, Eberswalde, near Berlin, assignor to the firm Franz Seiffert & Co. Aktiengesellschaft, Berlin, Germany. Slide stop valve. 1,692,496; Nov. 20.
- Froehlich, Hugo, Valley Stream, assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y. Gauge construction. 1,658,840; Feb. 14.
- Froelich, Clarence H., assignor to Bethlehem Steel Company, Bethlehem, Pa. Gun carriage. 1,695,685; Dec. 18.
- Froesch, Charles. (See Masury, A. F., and Froesch.)
- Froesch, Charles, assignor to International Motor Company, New York, N. Y. Drive for motor vehicles. 1,660,669; Feb. 28.
- Froesch, Charles, assignor to International Motor Company, New York, N. Y. Ventilating system. 1,663,650; Mar. 27.
- Froesch, Charles, assignor to International Motor Company, New York, N. Y. 1,686,082; Oct. 2.
- Froesch, Charles, assignor to International Motor Company, New York, N. Y. Combination electric drive. 1,692,371; Nov. 20.
- Frogue, Arthur J., and J. I. Sloan, assignors to A. R. Jones, Kansas City, Mo. Electrical plug connector. 1,658,522; Feb. 7.
- Fröhlich, Franz, Leipzig-Schleussig, Germany. Bobbin for knitting machines. 1,657,386; Jan. 24.
- Frohman, Emanuel. (See Earwood, George D., assignor.)
- Frohman, Emanuel. (See Harbin, Zeddie L., assignor.)
- Frohnhauser, Heinrich, Dortmund, Westphalia, Germany. Apparatus for producing meshed sheet metal, flat bars, and hoop iron. 1,677,438; July 17.
- Froidevaux, Marcel, assignor to Kustner Freres & Cie. Société Anonyme, Geneva, Switzerland. Packing container. 1,689,018; Oct. 23.
- Frölich, Ernst, Essen, Germany. Railway switching system. 1,671,108; May 29.
- Froking, Stanley A., Cleveland, assignor to Brilliant Glass Products, Inc., Brilliant, Ohio. Towel rack. Des. 74,422; Feb. 14.
- Fromhold, Henry J. (See Bogue, R. D., and Fromhold.)
- Fromknecht, Bernard M., assignor to The Griswold Manufacturing Company, Erie, Pa. Electric cooking utensil. 1,692,644; Nov. 20.
- Fromm, Harry E., Detroit, Mich. Heater. 1,692,164; Nov. 20.
- Frommann, Gustav H. (See Wilkinson, Thomas H., assignor.)
- Front Wheel Control, Inc. (See Moller, Wilhelm, assignor.)
- Frontier Manufacturing Company. (See Schaefer, Adolph A., assignor.)
- Froschhauser, Florian, Rochelle Park, N. J. Armor-cutting tool. 1,670,250; May 15.
- Frost, Albert N., Vancouver, British Columbia, Canada. Can opener. 1,678,112; July 24.
- Frost, Clinton, E., Chippewa Lake, assignor to The Speciality Manufacturing Company, Cleveland, Ohio. Brush. 1,683,456; Sept. 4.
- Frost, Dennis R., et al. (See Hughes, Hugh R., assignor.)
- Frost, Edward D., Elizabeth, N. J. Pin. 1,655,994; Jan. 10.
- Frost, George, Charleston, S. C. Culinary utensil. 1,660,748; Feb. 28.
- Frost, Grenville B. (See Davis, C. P., and Frost.)
- Frost, Herbert H., Chicago, Ill., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Extension cord. 1,655,263; Jan. 3.
- Frost, Herbert H., Chicago, Ill., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Tube-control unit. 1,655,899; Jan. 10.
- Frost, Herbert H., Chicago, Ill., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Jack. 1,676,016; July 3.
- Frost, Herbert H., Chicago, Ill., assignor, by mesne assignments, to Chicago Telephone Supply Company, Elkhart, Ind. Telephone plug. 1,678,772; July 31.
- Frost, Max. (See Stone, A., and Frost.)
- Frost Steel Products, Inc. (See Rose, Benjamin K., assignor.)
- Frost, Warren H., Long Beach, assignor to Steellastic Company, Los Angeles, Calif. Elastic material. 1,659,195; Feb. 14.
- Froussard, Albert F., St. Louis, Mo. Portable milling machine. 1,669,194; May 8.
- Froussard, Albert F., St. Louis, Mo. Cutter head. 1,696,195; Dec. 25.
- Frozen Products Corporation, Incorporated. (See Nelson, Christian K., assignor.)
- Fruehauf, Oscar A., Detroit, Mich. Clothes-drying rack. 1,663,297; Mar. 20.
- Fruehauf Trailer Company. (See Land, Charles H., jr., assignor.)
- Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
- Früh, Conrad J., Zurich, Switzerland. Process of and apparatus for cleaning textile goods. 1,682,841; Sept. 4.
- Fruhoh, Phillip, Norfolk, Nebr. Belt couplings. 1,679,303; July 31.
- Fruin, Robert E., Chicago, Ill. Cushion-tread horseshoe. 1,690,365; Nov. 6.
- Fruit Belt Preserving Company. (See Bartleson, Alfred F., assignor.)
- Fruwirth, Arthur, Brooklyn, N. Y. Producing designs for reproduction. 1,677,965; July 24.

- Fry, Adolf, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electric resistance furnace adapted for heating by nitrogenization. 1,661,694; Mar. 6.
- Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Coin-controlled vending machine. 1,666,596; Apr. 17.
- Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Vending machine. 1,666,849; Apr. 17.
- Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Vending machine. 1,668,065; May 1.
- Fry, Benjamin L., assignor to National Sales Machine Company, St. Louis, Mo. Coin-controlling device. 1,668,894; May 8.
- Fry, Byron G., assignor of one-half to E. R. Williams, Glendale, Calif. Catapult. 1,687,757; Oct. 16.
- Fry, John W., Struthers, Ohio. Stabilizing spring. 1,664,618; Apr. 3.
- Fry, Margaret S. (See Fry, Walter L., assignor.)
- Fry, Walter L., Scarsdale, N. Y. Seat-cover support. 1,681,180; Aug. 21.
- Fry, Walter L., assignor to M. S. Fry, Scarsdale, N. Y. Seat cover. 1,681,179; Aug. 21.
- Fry, William W., Los Angeles, Calif., assignor of one-half to Robinson Packer Company, Tulsa, Okla. Well casing. 1,681,832; Aug. 21.
- Frydag, Karl. (See Tank, K., and Frydag.)
- Frye, Ezra H., trustee. (See Lavole, Joseph, assignor.)
- Frye, Richard T., Newburgh, N. Y. Water-closet support. 1,667,593; Apr. 24.
- Frye, Whitney M., Wilton, N. H. Waterproof cattle card. 1,667,544; Apr. 24.
- Fryer, Frederick G., York, England. Reducing or refining apparatus for chocolate, cocoa, and the like. 1,662,572; Mar. 13.
- Fryer, Percival J., Tonbridge, Kent, assignor to Catalpo Limited, London, England. Hydrolysis, particularly the splitting of oils and fats. 1,657,440; Jan. 24.
- Frykdahl, Carl E. (See Ostram, R. A., and Frykdahl.)
- Fuchs, Friedrich, Zofingen, Switzerland. Device for regulating the tension of paper webs. 1,656,111; Jan. 10.
- Fuchs, Friedrich, assignor to the firm Ringler & Co. Verlagsanstalt & Vereinigte Buch- & Steindruckereien Zofingen, Switzerland. Multicolor rotary printing press. 1,677,472; July 17.
- Fuchs, Henry, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,696,350; Dec. 25.
- Fuchs, Nicholas P., Jr., Akron, Ohio. Station indicator for radio sets. 1,693,892; Dec. 4.
- Fuchs, Samille H., assignor to The Maurice Levy Co., Inc., New York, N. Y. Finishing flat powder puffs and improved puff. 1,690,483; Nov. 6.
- Fuchs, Sigismund. (See Daimler, K., Just, Balle, and Fuchs.)
- Fuel Corporation. (See Patterson, Reginald H., assignor.)
- Fuelite Company Limited, The. (See Strafford, Walter W., assignor.)
- Fuelo Corporation. (See Ezdorf, Richard R., assignor.)
- Fuerth, Sydney W., Maplewood, N. J. Sight instrument for automobiles. 1,666,236; Apr. 17.
- Fuertinger, Andrew, New York, N. Y., assignor, by mesne assignments, to Voices Incorporated, Wilmington, Del. Voice device. 1,661,155; Mar. 6.
- Fugmann, Rudolf. (See Brecht, E., and Fugmann.)
- Fuhr, William, Chicago, Ill. Internal-combustion motor. 1,696,676; Dec. 25.
- Fuhrer, Bernard, New York, N. Y. Traffic signal. 1,691,344; Nov. 13.
- Fujii, Masao, Sendagaya-Machi, Toyotamagori, Japan. Neutralizing acidity or alkalinity of decomposed product or products by glutamic acid or its salts. 1,680,865; Aug. 14.
- Fujii, Sanao, Honolulu, Hawaii. Knitting device. 1,694,849; Dec. 11.
- Fujita, Yoshitsugu, Long Beach, Calif. Making puffed rice. 1,655,726; Jan. 10.
- Fukagawa, Kijiro, Saga, assignor to Maruichi-Goshikaisha, Tokyo, Japan. Ferrocement concrete sleeper. 1,692,933; Nov. 27.
- Fulbright, Will D. (See Lawrence, Charles, assignor.)
- Fulcher, Frank C., and W. R. Beldam, London, England. Straining or filtering apparatus. 1,673,743; June 12.
- Fuld, Ludwig, Nuremberg, Germany. Porcelain-handle brush. 1,663,908; Mar. 27.
- Fulda, René. (See Marrec, Yves, and Fulda.)
- Fuldauer, Frederick L., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Hydrocarbon burner. 1,655,995; Jan. 10.
- Fuldauer, Frederick L., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Lighter for burners of ranges. 1,663,371; Mar. 20.
- Fulenwider, Harry. (See Fulenwider, Jesse and H., Robinson, and Norris.)
- Fulenwider, Harry et al. (See Fulenwider, Jesse and H., Robinson, and Norris, assignors.)
- Fulenwider, Jesse and H. E. W. Robinson, and H. Norris, assignors to H. and J. Fulenwider, Savannah, Ga. Ridge-cap-forming machine. 1,694,440; Dec. 11.
- Fulenwider, Jesse. (See Fulenwider, Harry and J.)
- Fulenwider, Jesse et al. (See Fulenwider, Jesse and H., Robinson, and Norris, assignors.)
- Fulenwider, Harry and J., Savannah, Ga. Asphalt-shingle fastener. 1,661,067; Feb. 28.
- Fulford, Lester E., Edgewood, assignor to Fulford Mfg. Co., Providence, R. I. Chain. 1,655,763; Jan. 10.
- Fulford Mfg. Co. (See Fulford, Lester E., assignor.)
- Fulford, Peter W. (See Hedstrom, Otto, assignor.)
- Full Expansion Motors Corporation. (See Hetlesater, Olaf, assignor.)
- Full View Windshield Wiper, Inc. (See Kuskin, David, assignor.)
- Fullenlove, McClellan C., Toledo, Ohio, assignor of thirty per cent to A. J. Buchheit and twenty-five per cent to W. V. Ghislin, Park Ridge, Ill., and twenty per cent to W. Buchheit, Asbury Park, N. J. Motion-picture-projection apparatus. 1,666,181; Apr. 17.
- Fuller, Albert M., Pittsburgh, Pa. Automatically-adjustable grinding wheel. 1,666,237; Apr. 17.
- Fuller Brush Company, The. (See Allen, Will D., assignor.)
- Fuller Brush Company, The. (See Beveridge, F. S., and Lucia, assignors.)
- Fuller Brush Company, The. (See Cave, Henry, assignor.)
- Fuller Brush Company, The. (See Cave, H., and Fitzgerald, assignors.)
- Fuller Brush Company, The. (See Hines, William J., assignor.)
- Fuller Brush Company, The. (See Hoffman, Frederick C., assignor.)
- Fuller Brush Company, The. (See Matteson, George F., assignor.)
- Fuller Brush Company, The. (See Rudolph, W. H., and Lucia, assignors.)
- Fuller Brush Company, The. (See Van Veen, Anton, assignor.)
- Fuller Brush Company, The. (See Van Veen, A., and Fitzgerald, assignors.)
- Fuller, Charles H., Portland, Oreg. Friction device. 1,660,156; Feb. 21.
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Drier. 1,661,655; Mar. 6.
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Kiln bottom and method of building kilns. 1,676,182; July 3.
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Container. 1,679,328; July 31.
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Open-top drier. 1,685,047; Sept. 18.
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Drying brick and tunnel therefor. 1,688,306; Oct. 16.
- Fuller, Claud E., assignor to New York Brick Handling Corporation, New York, N. Y. Off-bearing conveyer. 1,691,881; Nov. 13.
- Fuller, Clifford H., Chicago, Ill. Nonfreezing unit for automobiles. 1,672,119; June 5.
- Fuller Company. (See Schaeffer, Charles M., assignor.)
- Fuller, James W. (See Kinyon, Alonzo G., assignor.)
- Fuller, John E., Hartsville, S. C. Hydrocarbon engine. 1,685,282; Sept. 25.
- Fuller, John N., Lansdale, Pa. Internal-combustion engine. 1,675,702; July 3.
- Fuller, Joseph C., West Newton, assignor to Northern Industrial Chemical Company, Boston, Mass. Hinged connection. 1,681,032; Aug. 14.
- Fuller, Lawrence C., Kalamazoo, Mich. Change-speed transmission gear. 1,692,406; Nov. 20.
- Fuller Lehigh Company. (See Bailey, Ervin G., assignor.)
- Fuller Lehigh Company. (See Jacobus, David S., assignor.)
- Fuller, Louis J., Bloomfield, N. J., assignor to Duparquet, Huot & Moneuse Co., New York, N. Y. Insulating support for electric resistance heating element. 1,695,234; Dec. 11.
- Fuller, Oliver P., Detroit, Mich. Composition building-block mold. 1,689,282; Oct. 30.
- Fuller, Peter H., Dobbs Ferry, N. Y. Loud-speaker resonator or the like. Des. 74,364; Feb. 7.
- Fuller, Peter H., Dobbs Ferry, N. Y. Loud speaker or the like. Des. 75,554; June 19.
- Fuller & Smith. (See Fawcett, Walter W., assignor.)
- Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company. Electrical contact. 1,658,713; Feb. 7.
- Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company. Treatment of nickel-copper-aluminum alloys. 1,675,264; June 26.
- Fuller, Truman S., N. H. Adams, and F. G. Nolte, Schenectady, N. Y., assignors to General Electric Company. Thermoelectric generator. 1,677,029; July 10.
- Fuller-Warren Company, The. (See Gregg, William L., assignor.)
- Fuller, William A., Toledo, Ohio. Wardrobe. 1,682,273; Aug. 28.
- Fullerton, Ernest M., Stoughton, Mass. Shoe last and making same. 1,689,625; Oct. 30.
- Fullerton, Fred W. L., Maplewood, N. J., and M. A. Bellone, St. Albans, assignor to Full-O-Lite Company, Inc., New York, N. Y. Lighting fixture. 1,689,019; Oct. 23.
- Fullerton, Leland R. (See Fullerton, Wiley W., and L. R.)

- Fullerton, Wiley W. and L. R., Pomona, Calif. Extension step for cars. 1,655,996; Jan. 10.
- Fulli, Robert, New York, N. Y. Shoe heel. 1,681,934; Aug. 28.
- Fullilove, Edgar W., Shreveport, La. Seed feeding and spacing attachment for planters. 1,669,331; May 8.
- Fullilove, John A., Market Harborough, England. Machine for pasting accumulator grids. 1,668,714; May 8.
- Fullips, George A., Milwaukee, Wis. Bottle-handling machine. 1,686,129; Oct. 2.
- Fulmit G. m. b. H. (See Seyfforth, Eugene, assignor.)
- Full-O-Lite Company. (See Fullerton, F. W. L., and Bellone, assignors.)
- Fulper, William H., Flemington, N. J. Receptacle. 1,678,810; July 31.
- Fulton, Claude V., Hyde Park, South Australia, and M. P. Daymond, Sydney, New South Australia, Australia. Carrier or support for ice-cream containers. 1,673,869; June 19.
- Fulton Company, The. (See Henderson, Robert M., assignor.)
- Fulton, Eric E., Fair Oaks, Calif. Pipe band. 1,659,196; Feb. 14.
- Fulton Iron Works Company. (See Hildebrand, Reinhard, assignor.)
- Fulton, Jean M., Detroit, Mich. Apparatus for rectal, vaginal, and surgical uses. 1,684,621; Sept. 13.
- Fulton, Le Roy M., Chicago, Ill. Portable support. 1,677,439; July 17.
- Fulton Machine Co. (See Nayer, Carl F., assignor.)
- Fulton, Nell, New York, N. Y. Hair waver. 1,672,379; June 5.
- Fulton, Norman D., assignor to Hercules Powder Company, Wilmington, Del. Method and apparatus for packing cartridges. 1,681,181; Aug. 21.
- Fulton, Robert R., Wilkinsburg, Pa., assignor to The Koppers Company. Decolorization of alkaline-earth-metal thiocyanate solutions. 1,691,345; Nov. 13.
- Fulton Sylphon Company, The. (See Bezenberger, Fred K., assignor.)
- Fulton Sylphon Company, The. (See Carson, William W., Jr., assignor.)
- Fulton Sylphon Company, The. (See Fulton, Weston M., assignor.)
- Fulton Sylphon Company, The. (See Giesler, Jean V., assignor.)
- Fulton Sylphon Company, The. (See Kinnard, James A., assignor.)
- Fulton, Weston M., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Method and apparatus for drawing tubes. 1,654,585; Jan. 3.
- Fulton, Weston M., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Expandable and collapsible receptacle. 1,668,895; May 8.
- Fulton, William F., Shreveport, La., assignor to Palmer Corporation. Apparatus for the production of carbon black. 1,658,676; Feb. 7.
- Fulton, William H., Irvington, N. J. Game skill register. 1,668,066; May 1.
- Fulton, William H., Irvington, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co. Universal grease gun. 1,692,255; Nov. 20.
- Fultz, Miles E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric discharge apparatus. 1,668,676; May 8.
- Fultz, Miles E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Alarm and control device. 1,675,849; July 3.
- Fulweller, Walter H., Wallingford, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Quantitative determination of naphthalene in illuminating gas. 1,678,591; July 24.
- Fulweller, Walter H., Wallingford, assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Purifying gases. 1,679,858; Aug. 7.
- Funk, Harold B., Seattle, Wash. Aeroplane propeller. 1,657,119; Jan. 24.
- Funk, Arthur S. (See Bott, E. S., and Funk.)
- Funk, Arthur S., and E. S. Bott, assignors to La Crosse Rubber Mills Company, La Crosse, Wis. Shoe sole. Des. 76,791; Nov. 6.
- Funk, Carlyle B., Chicago, Ill. Gear-locking or clutch mechanism for gear-change sets. 1,689,429; Oct. 30.
- Funk, Charles J., assignor to C. B. Barrett, doing business as C. E. Barrett & Co., Chicago, Ill. Fountain-pen container. 1,655,264; Jan. 3.
- Funk, Ira B., Alhambra, Calif. Tinting colors in fabrics. 1,659,598; Feb. 21.
- Funk, Ira B., Alhambra, Calif., assignor to Union Oil Company of California. Fractionating. 1,691,238; Nov. 13.
- Funk, John E., Stockton, Calif. Dredger-frame construction. 1,676,645; July 10.
- Funk, John E., Stockton, Calif. Dredger-bucket mounting and operating structure. 1,690,574; Nov. 6.
- Funk, John E., assignor to Funk Soil Pulverizer Company, Stockton, Calif. Supporting and inclosing structure for ground-working implements. 1,676,646; July 10.
- Funk, John E., assignor to Funk Soil Pulverizer Company, Stockton, Calif. Ground-working implement. 1,680,866; Aug. 14.
- Funk, Nelson E., Montclair, N. J., assignor to F. D. Berry, New York, N. Y. Egg flat. 1,674,430; June 19.
- Funk Soil Pulverizer Company. (See Funk, John E., assignor.)
- Funk, Truman B., assignor to Automotive Fan & Bearing Company, Jackson, Mich. Pulley. 1,677,134; July 17.
- Funke, Konrad. (See Zinke, A., and Funke.)
- Funnell, Harry M., New Market, N. J. Spring-retained casing for universal joints. 1,685,528; Sept. 25.
- Fuoco, Pasquale, et al. (See Losi, Lee F., assignor.)
- Fuqua, Clarence V., and J. H. Richa, assignors, by mesne assignments, to The Cleaners Equipment Corporation, Kansas City, Mo. Separator. 1,661,284; Mar. 6.
- Furber, Eric L., Liverpool, England. Moisture-absorbing device for stoppered containing vessels. 1,678,939; July 31.
- Furber, Frederick M., Revere, Mass. Temperature-controlling apparatus for internal-combustion engines. 1,694,171; Dec. 4.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for treating shoe materials. 1,661,118; Feb. 28.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for softening shoe materials. 1,678,139; July 24.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for heating and softening shoes and parts thereof. 1,678,140; July 24.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Treating apparatus. 1,678,773; July 31.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Presenting apparatus. 1,681,227; Aug. 21.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,691,277; Nov. 13.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,691,278; Nov. 13.
- Furbish, Frank R., New York, N. Y., assignor to The Filter Sack Manufacturing Co., Cleveland, Ohio. Filter-press cloth. 1,671,187; May 29.
- Furbush, Frank L. (See Sargent, F. G., and Furbush.)
- Furbush, Frank L., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Sectional metal squeeze roll. 1,671,522; May 29.
- Furbush, Frank L., Westford, assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Moist-air flue for drying machines. 1,671,523; May 29.
- Furbush, Richard, Chicago, Ill., assignor to Budd Wheel Company, Philadelphia, Pa. Disk-wheel-straightening machine. 1,690,006; Oct. 30.
- Furedy, Frank, Brooklyn, N. Y., assignor to Bushwick National Bank. Writing implement. 1,664,071; Mar. 27.
- Furedy, Frank, Brooklyn, N. Y., assignor to Bushwick National Bank. Adjustable writing implement. 1,664,166; Mar. 27.
- Furedy, Frank, Montclair, C. Schroth, and W. Favini, Bloomfield, N. J., assignors, by mesne assignments, to Bushwick National Bank. Writing implement. 1,679,566; Aug. 7.
- Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Spark-control mechanism. 1,670,802; May 22.
- Furgason, Claude E., assignor to Reo Motor Car Company, Lansing, Mich. Spark-control mechanism for internal-combustion engines. 1,670,803; May 22.
- Fur Guide Machine Corporation. (See Ross, Harry, assignor.)
- Furlan, John G., assignor to Furlan Nut Machinery Corporation, New York, N. Y. Making lock nuts. 1,692,497; Nov. 20.
- Furlan Nut Machinery Corporation. (See Furlan, John G., assignor.)
- Furler, Emil, Zurich, Switzerland. File, rasp, or like tool. 1,695,647; Dec. 18.
- Furlong, George L. (See Delano, E. L., and Furlong.)
- Furlong, James J., Youngstown, Ohio. Antitheft device for automobiles. 1,663,044; Mar. 20.
- Furlong, John M., St. Paul, Minn. Manicuring file. 1,674,325; June 19.
- Furlong, William J., Waverly, Mass., assignor to The John Kroder & Henry Reubel Company, Brooklyn, N. Y. Drapery support. 1,661,137; Feb. 28.
- Furman, John F. (See Gray, R. L., and Furman.)
- Furmanik, Giuseppe, assignor to G. A. Calabi, Rome, Italy. Device for facilitating the spreading of parachutes. 1,687,064; Oct. 9.
- Furnas, William C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Winding machine and bending strip material. 1,655,997; Jan. 10.
- Furneaux, George A., The Dalles, Oreg. Spreader for distancing spaced pipes and the like. 1,676,434; July 10.
- Furness, John A., Bromley, England. Variable-speed gear. 1,691,651; Nov. 13.
- Furness, Radclyffe. (See Cox, J. L., and Furness.)
- Furness, William H., National Park, N. J., assignor to Cellocilk Company, Philadelphia, Pa. Filter or strainer and making the same. 1,692,824; Nov. 27.
- Furniture Hardware Corporation, The. (See Carlson, W. G., and Johnson, assignors.)

- Furnivall, William H. G., D. B. McLaren, and E. J. Laschinger, Johannesburg, Transvaal, South Africa. Exhaust silencer. 1,666,257; Apr. 17.
- Furnivals 1913 Limited. (See Bailey, John, assignor.)
- Furst, John K. (See Allen, L. E., and Furst.)
- Fust, Robert, Glogau, Germany. Mouth mirror. 1,660,870; Feb. 28.
- Fyans, Albert F., assignor to Fyans Research Co., Fall River, Mass. Drawing mechanism. 1,660,550; Feb. 28.
- Fyans, Albert F., assignor to Fyans Research Co., Fall River, Mass. Top-roll-saddle mechanism. 1,673,448; June 12.
- Fyans Research Co. (See Fyans, Albert F., assignor.)
- Fye, James A., et al. (See Rogers, Adrian R., assignor.)
- Fykse, Mitchell L., Milwaukee, assignor, by mesne assignments, to Bucyrus-Erie Company, South Milwaukee, Wis. Steering mechanism. 1,686,372; Oct. 2.
- Fynn, Valère A., St. Louis, Mo. Synchronous motor. 1,667,514; Apr. 24.
- Fynn, Valère A., St. Louis, Mo. Synchronous motor. 1,668,272; May 1.
- Fynn, Valère A., St. Louis, Mo. Synchronous motor. 1,668,273; May 1.
- Fynn, Valère A., St. Louis, Mo. Synchronous motor. 1,669,082; May 8.
- Fynn, Valère A., St. Louis, Mo. Synchronous motor. 1,669,083; May 8.
- Fynn, Valère A., St. Louis, Mo. Nonsynchronous motor. 1,670,030; May 15.
- Fynn, Valère A., St. Louis, Mo. Synchronous motor. 1,670,031; May 15.
- Fynn, Valère A., St. Louis, Mo. Asynchronous motor. 1,689,525; Oct. 30.
- Fyrac Manufacturing Co. (See Aldeen, Gedor W., assignor.)
- G. C. A. Manufacturing Company, The. (See Grinnell, Harold D., assignor.)
- G. & G. Atlas Systems, Inc. (See Dinspel, William H., assignor.)
- G. & G. Atlas Systems. (See Stoetzel, Joseph J., assignor.)
- G & J Tire Company. (See Coe, John P., assignor.)
- G & O Manufacturing Company, The. (See Gargiulo, F., Edwards, and Oppe, assignors.)
- G. & W. Electric Specialty Company. (See Edmonds, George P., assignor.)
- G. & W. Electric Specialty Company. (See Williams, P. F., and Rah, assignors.)
- Gaarder, Leif. (See Hansen, A., and Gaarder.)
- Gabel, Charles, assignor to Société Anonyme: Cartoucherie Française, Paris, France. Wadding device for the cartridges of fowling pieces. 1,691,802; Nov. 13.
- Gabler-Adersfeld, Hugo, Vienna, Austria. Production of imitation paintings. 1,682,261; Aug. 28.
- Gabriel, Charles L., and C. Bogin, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Normal butyl lactate. 1,668,806; May 8.
- Gabriel, Charles L., and C. Bogin, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Nitrocellulose-lacquer composition. 1,673,111; June 12.
- Gabriel, John C., and G. M. Thurston, assignors to Western Electric Company, Incorporated, New York, N. Y. Signaling apparatus. 1,663,880; Mar. 27.
- Gabriel, John C., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency transmission. 1,675,890; July 3.
- Gabriëse, Stefanus, assignor to Handelsvennootschap Firma Gabriëse & Co., Rotterdam, Netherlands. Steam-boiler-cleaning tool. 1,672,757; June 5.
- Gabrielson, Carl, and A. Meldrum, Syracuse, N. Y. Drilling machine. 1,679,027; July 31.
- Gabrielson, Jacob B., La Center, Wash. Vehicle signal. 1,669,332; May 8.
- Gabrielson, Otto S., and M. J. Wennerstrom, Minneapolis, Minn. Anchoring device for boats. 1,675,930; July 3.
- Gaby, Walter E., Los Angeles, Calif. Tack lifter. 1,680,607; Aug. 14.
- Gade, Harald F., Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa. Lubricating means for loose pulleys and the like. 1,675,703; July 3.
- Gadke, George, assignor to W. Gadke, Philadelphia, Pa. Ignition device. 1,691,870; Nov. 13.
- Gadke, William. (See Gadke, George, assignor.)
- Gadue, Eugene, Winoski, Vt. Bobbin clearer for filling-replenishing looms. 1,657,823; Jan. 31.
- Gaede, Samuel A., Los Angeles, Calif. Window-mounted automobile signal. 1,682,173; Aug. 28.
- Gaertner, Gustav, assignor of one-half to the firm: Joh. Kremsenzky, Vienna, Austria. Apparatus for preventing disturbances of the state of health due to seesaw and rotary motions. 1,679,245; July 31.
- Gaess, Helmuth J., Palisade, N. J. Compact box. 1,688,042; Oct. 16.
- Gaffney, John. (See Ryan, J. J., and Gaffney.)
- Gaffney, John E., Birmingham, assignor to J. H. Tucker & Company Limited, Birmingham, England. Terminal for electrical accessories. 1,668,111; May 1.
- Gaffney, John O., Arroyo Grande, Calif. Pipe cutter. 1,685,089; Apr. 8.
- Gage, Abraham L., Portland, Oreg. Flume. 1,657,157; Jan. 24.
- Gage, Charles H., Washington, D. C., assignor of one-fourth L. W. Scarles, Chevy Chase, Md. Electric furnace. 1,671,026; May 22.
- Gage, Edward E., New York, N. Y. Door-securing mechanism. 1,693,028; Nov. 27.
- Gage, Fred K., et al. (See Tordsen, Herman C., assignor.)
- Gage, Fred W., Los Angeles, and A. W. Tondreau, Glendale, Calif. Film signaling device for cameras. 1,696,533; Dec. 25.
- Gage, George W., Parnassus, Pa. Drilling machine. 1,656,054; Jan. 10.
- Gage, George W., Parnassus, Pa. Drilling machine with split box. 1,673,744; June 12.
- Gage, George W., Parnassus, Pa. Drilling machine with arbor frame. 1,673,745; June 12.
- Gage, Jay, Los Angeles, Calif., assignor to Electro-Tel-It Manufacturing Company. Automatic intermittent exhibiting device. 1,693,893; Dec. 4.
- Gage, John F., jr., assignor to Purity Baking Company, St. Paul, Minn. Display container. 1,673,112; June 12.
- Gage, Joseph A., and B. H. Johnson, Dallas, Tex. Machine for putting up tamales. 1,654,871; Jan. 3.
- Gage, Robert B., Trenton, N. J. Curing concrete. 1,672,380; June 5.
- Gage, Walter C., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Pump piston. 1,695,999; Dec. 18.
- Gagelman, Francis F., New York, N. Y. Immersion heater. 1,689,198; Oct. 30.
- Gagliardi, Samuel, and F. Brutto, Missoula, Mont. Rail fastener. 1,681,802; Aug. 21.
- Gagné, Augustin, Central Falls, R. I., assignor to Hemphill Company, Pawtucket, Mass. Machine for knitting split fabric. 1,673,764; June 12.
- Gagné, Augustin, Central Falls, assignor to Hemphill Company, Pawtucket, R. I. Making split fabric. 1,673,765; June 12.
- Gagné, Augustin, Central Falls, assignor to Hemphill Company, Pawtucket, R. I. Split fabric. 1,673,766; June 12.
- Gagné, Augustine, Central Falls, assignor to Hemphill Company, Providence, R. I. Stripping attachment for knitting machines. 1,683,540; Sept. 4.
- Gagne, Louis, Willow Bunch, Saskatchewan, Canada. Dispensing device. 1,663,338; Mar. 20.
- Gagneau, Paul, Paris, France. Magazine for tickets. 1,688,865; Oct. 23.
- Gagnier, George E. (See Place, Bion C., assignor.)
- Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,671,896; May 29.
- Gagnon, William J. (See Goodridge, G. W., and Gagnon.)
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Pull-chain pendant. Des. 74,423; Feb. 14.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Electric appliance having pin contacts and manufacturing the same. 1,656,856; Jan. 17.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Coupling for bead chains. 1,662,665; Mar. 13.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Coupling for bead chains. 1,664,290; Mar. 27.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Coupling for bead chains. 1,664,291; Mar. 27.
- Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Coupling for bead chains. 1,685,048; Sept. 18.
- Gahagan, Herman I., and W. P. Aron, Dallas, Tex., assignors, by mesne assignments, to The Whisk Razor Corporation, Buffalo, N. Y. Razor. 1,675,487; July 3.
- Gahan, John J., Columbus, Ga. Machine-gun fire-data finder. 1,656,736; Jan. 17.
- Gahlert, Franz J., Dresden-Lischwitz, Germany. After-treatment of freshly-spun artificial silk. 1,666,090; Apr. 17.
- Gaidos, Alonzo F., Oakland, Calif. Combination pencil container and lead magazine. 1,677,387; July 17.
- Gail, Jean-Baptiste, and N. Adam, Paris, France. Water purifier. 1,680,867; Aug. 14.
- Gail, John F. (See Hirsch, J. H., and Gail.)
- Gail, John F., Evanston, Ill., assignor to Simmons Company, Kenosha, Wis. Mattress and like structure. 1,659,255; Feb. 14.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, Kenosha, Wis. Filling for mattresses and like structures. 1,671,363; May 29.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Mattress or cushion and boxing therefor and making same. 1,677,232; July 17.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, Kenosha, Wis. Machine for making spiral springs. 1,681,728; Aug. 21.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Spring-inserting mechanism. 1,685,566; Sept. 25.
- Gail, John F., Evanston, Ill., assignor to Simmons Company, New York, N. Y. Machine for slitting and folding fabric. 1,695,421; Dec. 18.
- Galler, Louis, New York, N. Y., assignor to E. E. Lloyd Paper Co., Chicago, Ill. Safety paper. 1,692,645; Nov. 20.

- Gaillard, Madison W., Mobile, Ala. Dental matrix re-tainer. 1,661,068; Feb. 28.
- Gaines, Ernest L., Seattle, Wash. Adjustable valve-controlling device. 1,656,433; Jan. 17.
- Gaines, John. (See Anderson, R. G., and Gaines.)
- Gair, Robert, Company. (See Andrews, James M., assignor.)
- Gair, Robert, Company. (See Tinsley, Edward O., assignor.)
- Gairing, Emil, Detroit, Mich. Universal machine-shop fixture. 1,677,889; July 24.
- Gaisman, Henry J., New York, N. Y. Safety razor. 1,658,435; Feb. 7.
- Gaisman, Henry J., New York, and C. Schumacher, Lynnb-rook, N. Y.; said Schumacher assignor to said Gais-mann. Metal-sharpening machine. 1,674,774; June 26.
- Gaisman, Henry J., New York, N. Y., assignor to Auto-strop Patents Corporation, Dover, Del. Blade holder. 1,679,329; July 31.
- Gaisman, Henry J., New York, and C. Schumacher, Lynnb-rook, N. Y., assignors to Autostrop Patents Corpora-tion, Dover, Del. Metal-tempering apparatus. 1,683,129; Sept. 4.
- Gaisman, Henry J., New York, N. Y., assignor to Auto-strop Patents Corporation, Dover, Del. Carpet-wire blade-inserting machine. 1,694,875; Dec. 11.
- Galante, Antonio, Medford, Mass. Apparatus for molding artificial stone. 1,656,886; Jan. 17.
- Galassi, Pasquale. (See Gronell, George, assignor.)
- Galassi, Pasquale, New York, N. Y. Floor-laying device. 1,667,313; Apr. 24.
- Galassi, Pasquale, New York, N. Y. Dividing strip for terrazzo flooring. 1,677,760; July 17.
- Galat, John, Waterbury, Conn. Automatic fastener. 1,680,266; Aug. 7.
- Galaup, Oscar, Paris, France. Safety device for pre-venting the escape of gas. 1,673,976; June 19.
- Galbraith, Frederick, Queens, and W. Valet, New York, N. Y. Wrapper for textile piece goods. 1,655,460; Jan. 10.
- Galbraith, Frederick, Bellaire Park, and W. Valet, New York, N. Y. Wrapper for piece goods. 1,658,981; Feb. 14.
- Galbreath, William W., assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Lath-spacing nail. 1,666,561; Apr. 17.
- Galdi, Armand, Somerville, and E. S. Peterson, Lexington, Mass. Liquid gauge. 1,669,460; May 15.
- Galdi, Armando, Somerville, and E. S. Peterson, Lexing-ton, Mass. Water heater. 1,696,758; Dec. 25.
- Gale, Arthur S., Yonkers, N. Y. Magnetic system to control the stop and leveling of elevators. 1,680,675; Aug. 14.
- Gale, Clarence W., Beatrice, Nebr. Show case. 1,693,980; Dec. 4.
- Gale, Earl F., Los Angeles, Calif. Game device. 1,661,329; Mar. 6.
- Gale, Ernest L., Yonkers, N. Y., assignor to Gurney Ele-vator Company, Inc. Electrical control system operable automatically to level elevators with landings. 1,689,583; Oct. 30.
- Gale, George T., Toronto, Ontario, Canada. Holder for dentifrice-container tubes. 1,695,185; Dec. 11.
- Gale, Laburton A., Belmont, Mass., assignor, by mesne as-signments, to Remington Rand Inc., New York, N. Y. Reinforcing device for sides of perforations. 1,693,648; Dec. 4.
- Gales, John R., Reading, England. Eye protector for vehicle drivers. 1,660,993; Feb. 28.
- Gallon Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
- Galion Metallic Vault Company, The. (See Smith, R. E., and Arnold, assignors.)
- Gallagher, Alfred H., Chicago, Ill. Stabilizer and plaster composition containing the same. 1,683,539; Sept. 4.
- Gallagher, Arthur D. (See Graham, W. S., and Galla-gher.)
- Gallagher, Arthur D. (See Lindgren, A. C., and Gal-lagher.)
- Gallagher, Arthur D., assignor to Oliver Chilled Plow Works, South, Bend, Ind. Cultivator. 1,684,218; Sept. 11.
- Gallagher, Brian B., Eldorado, Ill. Rail anchor and tie. 1,670,251; May 15.
- Gallagher, Charles R., assignor to Universal Holding Com-pany, Los Angeles, Calif. Floating deck for oil tanks or the like. 1,665,163; Apr. 3.
- Gallagher, Charles R., Los Angeles, Calif., assignor to Universal Holding Company. Floating-deck oil tank. 1,674,104; June 19.
- Gallagher, Charles R., Fullerton, assignor to Universal Holding Company, Los Angeles, Calif. Floating deck or cover for oil tanks. 1,666,415; Apr. 17.
- Gallant, Hubert J. (See Pashagian, B., and Gallant.)
- Gallant, Robert M., assignor of one-half to W. S. Berry, Boston, Mass. Stocking protector. 1,678,566; July 24.
- Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Measuring instrument. 1,671,709; May 29.
- Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Gauge. 1,686,318; Oct. 2.
- Gallet, Maurice, and A. B. Anderson, Poughkeepsie, N. Y. Aeroplane. 1,666,132; Apr. 17.
- Galley, Andrew, Buffalo, N. Y. Direction indicator for vehicles. 1,691,845; Nov. 13.
- Gallicanne, Luc. (See Maximoff, J., De Costa, and Krebs.)
- Gallie, George, and B. D. Porritt, London, assignors to The Research Association of British Rubber and Tyre Manufacturers, Croydon, England. Apparatus for re-moving large-sized particles and aggregates from certain finely-divided powders and the like. 1,688,307; Oct. 16.
- Gallimore, Keith F. (See Kempton, H. E., and Gallimore.)
- Gallimore, Keith F. (See Kempton, H. E., Gallimore, and Woytych.)
- Gallimore, Keith F., Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Machine tool. 1,657,824; Jan. 31.
- Gallion, John L., and J. H. Hammack, Victoria, Va. Device for handling car wheels. 1,669,872; May 15.
- Gallison, Ernest A. (See Ball, J. A., Gallison, and Weaver.)
- Gallison, Ernest A. (See Mudge, R. C., and Gallison.)
- Gallison, Ernest A., Watertown, assignor to Bay State Fish-ing Company, Boston, Mass. Machine for removing scales from fish. 1,683,968; Sept. 11.
- Gallison, Ernest A., Watertown, assignor to Bay State Fishing Company, Boston, Mass. Fish-scaling machine. 1,692,984; Nov. 27.
- Gallison, Ernest A., Watertown, assignor to Bay State Fishing Company, Boston, Mass. Machine for scaling fish. 1,692,985; Nov. 27.
- Gallistel, Clarence P., assignor to Mid-West Box Com-pany, Chicago, Ill. Shipping box for articles. 1,677,918; July 24.
- Gallman, Charles E., Tulsa, Okla., assignor to Oil Well Supply Company, Pittsburgh, Pa. Polished-rod clamp. 1,679,028; July 31.
- Gallmeyer and Livingston Company. (See De Koning, Jacob, assignor.)
- Gallo, John, Revere, and J. B. Rollins, Everett, Mass. Mechanically-operated figure toy. 1,655,416; Jan. 10.
- Gallois, Robert, Lyon, France. Electrode for the com-bined therapeutic application of high-frequency current and of ultra-violet radiation. 1,655,783; Jan. 10.
- Galloway, Alexander G. (See Mann, C. W., and Galloway.)
- Galloway, Charles W., Baltimore, Md. Portable motor wrench. 1,669,746; May 15.
- Galloway, Lee G., Rosman, N. C. Condiment holder. 1,670,616; May 22.
- Galloway, Robert M., and P. C. Burton, assignors to The National Automatic Tool Company, Richmond, Ind. Drilling machine. 1,665,411; Apr. 10.
- Galloway, Robert M., and R. E. Sterling, assignors to The National Automatic Tool Company, Richmond, Ind. Reversing mechanism for drilling machines. 1,675,850; July 3.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Positive tapping mech-anism for multiple-spindle machines. 1,681,288; Aug. 21.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Safety positive-feed tap. 1,681,289; Aug. 21.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Oil-gear control for ma-chine tools. 1,685,049; Sept. 18.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Screw-feed and rapid-traverse mechanism. 1,690,163; Nov. 6.
- Galloway, Robert M., assignor to The National Automatic Tool Company, Richmond, Ind. Head mount for multi-ple drills. 1,694,814; Dec. 11.
- Galloway, Robert M., Richmond, Ind., and P. C. Burton, Clarendon Hills, Ill., assignors to The National Auto-matic Tool Company, Richmond, Ind. Snap switch for motor control. 1,678,725; July 31.
- Gallowitz, Gustave A., assignor to The Kny-Scheerer Cor-poration of America, New York, N. Y. Forming a met-allic corner. 1,655,947; Jan. 10.
- Gallowitz, Gustave A., assignor to The Kny-Scheerer Cor-poration of America, New York, N. Y. Over-the-bed table. 1,689,626; Oct. 30.
- Gallowitz, Gustave A., assignor to The Kny-Scheerer Cor-poration of America, New York, N. Y. Adjustable wheel stretcher. 1,694,172; Dec. 4.
- Gallup, George B., assignor to Leach-Gallup Manufactur-ing Company, Bradenton, Fla. Electric heater. 1,689,822; Oct. 30.
- Galterio, Ada, et al. (See Galterio, Elia, assignor.)
- Galterio, Elia, assignor to A. Galterio, D. C. Mariotti, and A. L. Ruggiero, Denver, Colo. Shoe-stretching last. 1,691,054; Nov. 13.
- Galvin, Charles E., assignor to The Ridgely Trimmer Com-pany, Springfield, Ohio. Straightedge for wall-paper trimmers. 1,694,850; Dec. 11.
- Galvin, Thomas P., et al. (See Dow, John G., assignor.)
- Gambarotta, Piero, Quinto al Mare, Italy. Speed-indi-cating device. 1,675,974; July 3.
- Gambill, William M., Merkel, Tex. Attachment for den-tal articulators. 1,661,119; Feb. 28.
- Gambill, William M., Merkel, Tex. Articulator. 1,669,462; May 15.
- Gamble Brothers, Inc. (See Jones, Richard C., assignor.)
- Gamble, Carl H., assignor to Deere & Company, Moline, Ill. Apparatus for controlling the ventilation of automobile radiators. 1,692,031; Nov. 20.
- Gamble, Charles B., Minneapolis, Minn. Gas filter. 1,669,461; May 15.
- Gamble, David E., Detroit, Mich., assignor to The Borg & Deck Company, Chicago, Ill. Clutch plate. 1,659,289; Feb. 14.

- Gamble, Harry C., Detroit, Mich., assignor, by mesne assignments, to Coffee Research Company, St. Louis, Mo. Apparatus for treating coffee. 1,661,796; Mar. 6.
- Gamble, Helen C., New York, N. Y. Collapsible hat bag. 1,691,904; Nov. 13.
- Gamble, Helen C., New York, N. Y. Bag. 1,691,905; Nov. 13.
- Gamble, John D., assignor to Continental Optical Corporation, Indianapolis, Ind. Polishing pad for lenses and making same. 1,693,598; Dec. 4.
- Gamble, John M., Burlington, Iowa. Window. 1,668,640; May 8.
- Gamble, William C., New York, N. Y., assignor to General Optical Company, Inc. Container for fused-bifocal-lens blanks. 1,691,925; Nov. 20.
- Gamewell Company, The. (See Gaskill, Robert J., assignor.)
- Gamewell Company, The. (See Jackson, George A., assignor.)
- Gamewell Company, The. (See King, George E., assignor.)
- Gamewell Company, The. (See Suren, Nathan H., assignor.)
- Gammell-Hanney Mfg. Co. (See Hanney, Angus F., assignor.)
- Gammeter, Harry C., Cleveland Heights, Ohio. Sign. Des. 76,295; Sept. 11.
- Gammeter, Harry C., Cleveland Heights, Ohio. Pyrotechnic alarm and system involving the same. 1,687,159; Oct. 9.
- Gammeter, John R. (See Hosterman, Harry L., assignor.)
- Gammeter, John R. (See Young, Harvey L., assignor.)
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube and making same. Re16,999; June 19.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Paving tile. 1,661,037; Feb. 28.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube and making same. 1,663,764; Mar. 27.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Door structure for pressure tanks. 1,663,755; Mar. 27.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing apparatus. 1,663,979; Mar. 27.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding apparatus. 1,669,704; May 15.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making pneumatic tires. 1,670,444; May 22.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-making apparatus. 1,670,445; May 22.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making pneumatic tires. 1,670,446; May 22.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inner-tube-inspection apparatus. 1,690,164; Nov. 6.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fender for sweepers. 1,695,246; Dec. 11.
- Gammeter, John R., and C. C. Cadden, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Precision adjustment device. 1,665,848; Apr. 10.
- Gammeter, John R., F. J. Shook, and G. F. Wilson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing tubular, fibrous structures. 1,674,171; June 19.
- Gammeter, William K., Cadiz, Ohio. Humidifier. 1,691,967; Nov. 20.
- Gamon Meter Company. (See Anderson, Robert A., assignor.)
- Gams, Alphonse, and G. Widmer, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Condensation of urea and formaldehyde under pressure. 1,674,199; June 19.
- Gams, Alphonse, and G. Widmer, assignor to the firm: Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products of urea and formaldehyde and making same. 1,676,543; July 10.
- Gams, Alphonse, and P. Scheidegger, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Compound of gall acids and making same. 1,677,554; July 17.
- Gams, Alphonse, and P. Scheidegger, Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Organic gold compounds and making same. 1,678,429; July 24.
- Gams, Alphonse, and G. Widmer, assignors to the firm "Society of Chemical Industry in Basle", Basel, Switzerland. Recovery of insoluble urea formaldehyde resins. 1,679,246; July 31.
- Gandy Belting Company, The. (See Cromwell, William K., Jr., assignor.)
- Gane, George W. (See Hopkirk, J., and Gane.)
- Gangler, Paul, Esslingen, assignor to the firm: Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for wrapping loaves of bread. 1,669,046; May 8.
- Gangler, Paul, Esslingen, assignor to the firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Machine for wrapping up razor blades. 1,685,601; Sept. 25.
- Gangler, Paul, Esslingen, Germany, assignor to the firm: Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Cannstatt, Germany. Closing bag. 1,683,771; Sept. 11.
- Gangmark, Severin, Seattle, Wash. Building block. 1,680,781; Aug. 14.
- Ganznes, Arnt, Los Angeles, Calif. Firearm cartridge. 1,671,364; May 29.
- Gann, George I., St. Louis, Mo. Gauge. 1,671,710; May 29.
- Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Light metal alloy. 1,680,262; Aug. 7.
- Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Alloy. 1,688,043; Oct. 16.
- Gannett, Danforth K. (See Clark, A. B., and Gannett.)
- Gannett, Danforth K. (See Clark, A. B., Nyquist, and Gannett.)
- Gannett, Danforth K., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Constant-voltage alternator. 1,659,729; Feb. 21.
- Gannon, James E., and M. W. Ward; said Ward assignor to J. M. Gannon, Erie, Pa. System for heating water. 1,692,646; Nov. 20.
- Gannon, John M. (See Gannon, J. E., and Ward.)
- Gannon, McKinley, assignor to Gannon Products Company, Seward, Nebr. Cement. 1,675,265; June 26.
- Gannon Products Company. (See Gannon, McKinley, assignor.)
- Gannon, Thomas A., Chicago, Ill. Deodorizing cooking. 1,681,531; Aug. 21.
- Ganny, Louis C., and H. Goldberg, assignors of one-sixth to T. J. Mayock, and one-sixth to J. M. Stack, Wilkes-Barre, and one-sixth to M. Mayock, Miners Mills, Pa. Holding device. 1,666,045; Apr. 10.
- Gano, Harlan S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal regulator. 1,675,340; July 3.
- Gano, Harlan S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-load indicator. 1,682,498; Aug. 28.
- Gano, Harlan S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature regulator. 1,685,995; Oct. 2.
- Gano, Harlan S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,693,379; Nov. 27.
- Gansfried, Eugene, New Brunswick, N. J. Leakageproof spring-secured safety valve. 1,687,554; Oct. 16.
- Ganson, Howard H., assignor to Hygeia Nursing Bottle Company, Inc., Buffalo, N. Y. Nursing nipple. 1,673,190; June 12.
- Gantz, Amos F., Cedar Rapids, Iowa. Ice-cream-brick cutter. 1,661,533; Mar. 6.
- Ganz, Henry. (See Ganz, William and H.)
- Ganz, William, Chicago, Ill. Lock. 1,692,825; Nov. 27.
- Ganz, William, Chicago, Ill. Lock. 1,692,826; Nov. 27.
- Ganz, William and H., Ridgefield Park, N. J., assignors to The Sweets Company of America, Inc., New York, N. Y. Feeding, cutting, rolling, and forming machine for plastic material. 1,689,199; Oct. 30.
- Ganzfried, Adolf, and W. B. Clary, Los Angeles, Calif. Smoker's mouthpiece. 1,665,023; Apr. 3.
- Garabrant, Joseph E. (See Herbert, F. D., Kraemer, and Garabrant.)
- Garaguly, Karl, Chicago, Ill. Musical instrument. 1,657,158; Jan. 24.
- Garankin, Theodore P., assignor of one-half to B. A. Mueller, New York, N. Y. Trap nest. 1,696,394; Dec. 25.
- Garay, Eugene, New York, N. Y. Clock case. Des. 75,972; Aug. 7.
- Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Key-button assembly. 1,686,608; Oct. 9.
- Garbell, Max, assignor, to Victor Adding Machine Company, Chicago, Ill. Card holder. 1,695,278; Dec. 18.
- Garber, Harvey A., Milwaukee, Wis. Composition shingle. 1,665,450; Apr. 10.
- Garber, Jesse B., assignor to The Deming Company, Salem, Ohio. Pump. 1,657,746; Jan. 31.
- Garbuio, Giuseppe, Treviso, Italy. Drying apparatus for the drying of alimentary paste. 1,674,326; June 19.
- Garbutt, Allie G., Valdosta, Ga. Flash boiler. 1,680,608; Aug. 14.
- Garbutt, Frank A., Los Angeles, Calif. Cooling device for beds. 1,670,658; May 22.
- Garbutt, Frank E., and L. M. Griffith, Los Angeles, Calif. Film-branding machine. 1,654,801; Jan. 3.
- Garbutt, Frank E., Los Angeles, Calif., assignor to Famous Players Lasky Corporation, New York, N. Y. Film-take-up device. 1,654,800; Jan. 3.
- Garbutt, Frank E., and L. M. Griffith, Los Angeles, Calif., assignors to Paramount Famous Lasky Corporation, New York, N. Y. Film-developing machine. 1,666,999; Apr. 24.

- Garbutt, Frank E., and R. G. Fear, Los Angeles, Calif., assignors to Famous Players-Lasky Corporation. Double prism registering device. 1,680,534; Aug. 14.
- Garcia, Arasmo. (See de la Haba, A., and Garcia.)
- Garcia, David S., Oakland, Calif. Condensation trap. 1,662,185; Mar. 13.
- Garcia, David S., Oakland, Calif. Water heater. 1,671,635; May 29.
- Garcia, Jose A., Sawtelle, Calif. Variable condenser. 1,655,784; Jan. 10.
- Gard, Alvin J., Beaver Crossing, Nebr. Transportation truck. 1,662,148; Mar. 13.
- Gard, Earle W., Long Beach, B. G. Aldridge, Los Angeles County, and H. J. Multer, Huntington Park, Calif. Apparatus for separating liquid containing a dispersed phase of another liquid. 1,665,164; Apr. 3.
- Gard, John S., Los Angeles, Calif. Antisqueak device for vehicle brakes. 1,664,855; Apr. 3.
- Garde, Aage. (See Ytterberg, A., and Garde.)
- Gardeen, Carl J., St. Paul, Minn. Fuel-consumption indicator for automobiles. 1,690,328; Nov. 6.
- Gardels, Walter D. (See Ruffing, John, sr., assignor.)
- Garden, Alexander T., Wichita, Kans. Gas burner. 1,669,463; May 15.
- Gardiner, John B. W., New York, N. Y. Protective coating for metal and the like. 1,678,980; July 31.
- Gardner, Arthur E. J., Chicago, Ill. Variable grid leak. 1,668,012; May 1.
- Gardner, Charles B., Stafford, England. Apparatus for cleaning the fire tubes of multitubular boilers and the like. 1,661,890; Mar. 6.
- Gardner, Charles E., Gloucester, England. Apparatus for grinding or comminuting rubber and other materials. 1,661,721; Mar. 6.
- Gardner, Daniel, Weybridge, England. Paints, enamels, Japans, and the like. 1,662,741; Mar. 13.
- Gardner, David S. (See Gardner, Joseph A. and D. S.)
- Gardner-Denver Company, The. (See Clark, Omar E., assignor.)
- Gardner-Denver Company. (See Gardner, John W., assignor.)
- Gardner-Denver Company, The. (See Katterjohn, August H., assignor.)
- Gardner-Denver Company, The. (See Skaer, Arthur H., assignor.)
- Gardner-Denver Company, The. (See Skaer, A. H., Barker, and Clark, assignors.)
- Gardner-Denver Company, The. (See Terry, Edward F., jr., assignor.)
- Gardner, Edward B., et al. (See Gardner, Ralph D., assignor.)
- Gardner, Edward B., and R. D., and J. Nielsen, Beloit, Wis. Grinding machine. 1,661,330; Mar. 6.
- Gardner, Emmet V. R., Newton, N. J. Covering the beds of bodies of water. 1,668,451; May 1.
- Gardner, Florinda, assignor of one-half to M. N. Mason, Tampa, Fla. Hanger. 1,696,034; Dec. 18.
- Gardner, Frank, Dallas, Tex. Oil-field-emulsion treating means. 1,668,766; May 8.
- Gardner, Fred G., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission control. 1,681,532; Aug. 21.
- Gardner, Grandison, Luke Field, Hawaii. Bomb sight. 1,664,409; Apr. 8.
- Gardner, Harold A., sr., Rochester, N. Y. Antisiphon trap. 1,675,409; July 3.
- Gardner, Henry A., Washington, D. C. Treating artificial silk. 1,692,372; Nov. 20.
- Gardner, James F., Long Beach, Calif. Internal-combustion engine. 1,655,541; Jan. 10.
- Gardner, James H., Boston, Mass. Printed fabric. Des. 76,387; Sept. 25.
- Gardner, John E. (See Bellamy, J. L., and Gardner.)
- Gardner, John E. (See White, T. U., and Gardner.)
- Gardner, John E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,655,602; Jan. 10.
- Gardner, John E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,670,252; May 15.
- Gardner, John E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,679,567; Aug. 7.
- Gardner, John E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,681,034; Aug. 14.
- Gardner, John E., Wilkinsburg, Pa., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,681,035; Aug. 14.
- Gardner, John J., New York, N. Y. Motor-vehicle control system. 1,682,781; Sept. 4.
- Gardner, John W., Quincy, Ill., assignor, by mesne assignments, to Gardner-Denver Company. Pumping mechanism. 1,680,868; Aug. 14.
- Gardner, John W., Quincy, Ill., assignor, by mesne assignments, to Gardner-Denver Company. Lubricating device. 1,680,869; Aug. 14.
- Gardner, John W., Quincy, Ill., assignor, by mesne assignments, to Gardner-Denver Company. Lubricating mechanism. 1,680,870; Aug. 14.
- Gardner, John W., Quincy, Ill., assignor, by mesne assignments, to Gardner-Denver Company. Lubricating mechanism. 1,680,871; Aug. 14.
- Gardner, Joseph A. and D. S., Memphis, Tenn. Centrifugal casting machine. 1,694,504; Dec. 11.
- Gardner Motor Company. (See Tilton, Webster, assignor.)
- Gardner, Percy, East Orange, N. J., assignor to H. M. Bunker & Co., New York, N. Y. Cloth-rolling machine. 1,680,979; Aug. 14.
- Gardner, Prince A., jr., St. Louis, Mo. Cigarette case. 1,683,699; Oct. 23.
- Gardner, Ralph D. (See Gardner, Edward B., and R. D., and Nielsen.)
- Gardner, Ralph D., Beloit, Wis., assignor of one-third to E. B. Gardner and one-third to J. Nielsen. Ring-grinding machine. 1,659,092; Feb. 14.
- Gardner, Ralph D., Beloit, Wis., assignor of one-third to E. B. Gardner and one-third to J. Nielsen. Grinding machine. 1,670,111; May 15.
- Gardner, William E., Greencastle, Pa. Knockdown box or crate. 1,673,324; June 12.
- Gardner, William H., assignor of one-fourth to C. N. De Witt, Los Angeles, Calif. Collodion coating composition. 1,682,957; Sept. 4.
- Gardt, Leo E. (See Davis, T., and Gardt.)
- Garey, David, and W. B. Tishler, Providence, R. I. Combined lamp and reflector. Des. 74,734; Mar. 20.
- Garey, John P., Elmira Heights, N. Y. Spinning frame. 1,678,039; July 24.
- Garfield, Isadore W., Bridgeton, N. J. Cushion. 1,681,111; Aug. 14.
- Garfield, James L., Drexel Hill, Pa. Billing device. 1,694,647; Dec. 11.
- Garfinkle, David. (See Mitchell, Malcolm E., assignor.)
- Garfinkle, Jacob N., Cincinnati, Ohio. Attachment for razors. 1,676,183; July 3.
- Gargan, John O., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Adjusting and locking device. 1,655,054; Jan. 3.
- Gargan, John O., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Condenser. 1,673,005; June 12.
- Gargiulo, Frederick, E. G. Edwards, and C. Oppe, assignors to The G & O Manufacturing Company, New Haven, Conn. Radiator. 1,664,812; Apr. 3.
- Garis, Lewis K. (See Leopold, F., Clancy, and Garis.)
- Garland, Clarence H., assignor to American Tool and Machine Company, Boston, Mass. Safety guard for centrifugal machines. 1,667,416; Apr. 24.
- Garland, Claude M., Chicago, Ill. Unit heater. 1,687,240; Oct. 9.
- Garland Manufacturing Company. (See Sewell, Albert G., assignor.)
- Garland, Walter S., Washington, D. C. Circuit controller. 1,685,537; Sept. 25.
- Garlent, Perce E., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Lead-testing machine. 1,667,109; Apr. 24.
- Garlick, Edward, Kelso, Wash. Sand washer and separator. 1,694,255; Dec. 4.
- Garlick, Ralph, Totowa, N. J. Christmas-tree stand. 1,694,815; Dec. 11.
- Garlits, Edward E., Patton Township, Allegheny County, Pa., assignor to The Westinghouse Electric & Manufacturing Company. Washing machine. 1,667,847; May 1.
- Garllus, Bernt. (See Coney, J. D., and Garllus.)
- Garllus, Bernt. (See Knott, F. W., and Garllus.)
- Garlock, Edward A., Baltimore, Md. Making storage batteries. 1,660,264; Feb. 21.
- Garlock, Edward A., Baltimore, Md. Machine for pasting battery grids. 1,683,969; Sept. 11.
- Garlock Packing Company, The. (See Hubbard, Cecil R., assignor.)
- Garman, H. W., et al. (See Mayers, Alfred C., assignor.)
- Garb, Mandes E., Manton, Mich. Weed-cutting attachment for harrow teeth. 1,674,896; June 26.
- Garneau, Raoul, Quebec, Quebec, Canada. Gas burner. 1,657,995; Jan. 31.
- Garner, Charlie R., Chase City, Va. Hack-saw frame. 1,663,076; Mar. 20.
- Garner, Ernest P., Charlotte, N. C. Window screen. 1,684,349; Sept. 11.
- Garner, Frank, Chicago, Ill. Hydraulic steering mechanism. 1,687,720; Oct. 16.
- Garner, James B., and G. B. Leyden, Pittsburgh, Pa., assignors to Standard Oil Development Company. Treating oil wells. 1,678,592; July 24.
- Garner, James C., Houston, Tex. Cotton separator. 1,680,977; Aug. 14.
- Garner, James C., Houston, Tex. Cotton-cleaning apparatus. 1,680,978; Aug. 14.
- Garner, Samuel R., sr., Cleveland, Ohio. Battery terminal and cable clamp. 1,684,985; Sept. 18.
- Garnett, Henry J. (See Smith, W. S., and Garnett.)
- Garnett, Henry J. (See Smith, W. S., Garnett, and Holden.)
- Garnier, Edward J., Gary, Ind. Gas-pumping system. 1,679,417; Aug. 7.
- Garniss, Arthur L., Springfield, assignor to Dennison Manufacturing Company, Framingham, Mass. Display case. 1,679,468; Aug. 7.
- Garnsey, Leigh G., Redlands, Calif. Radiator shutter. 1,665,695; Apr. 10.
- Garrard, Charles G., assignor to G. S. Walpole, London, England. Mechanism for producing camlike or similar irregular motions. 1,666,893; Apr. 24.
- Garrard, Charles R., and E. G. Fauser, Sydenham, England. Variable-speed gear. 1,691,389; Nov. 13.

- Garras, George B., et al. (See Pillatos, Harry W., assignor.)
- Garratt, Hector H., assignor to Henry Hope & Sons Limited, Smethwick, England. Casement fastener. 1,662,666; Mar. 13.
- Garraway, Lee O., Memphis, Tenn. Feed-water heater for locomotive boilers. 1,676,141; July 3.
- Garraway, Lee O., Memphis, Tenn. Triple preheater for boilers. 1,686,444; Oct. 2.
- Garraway, Lee O., Memphis, Tenn. Preheater attachment for boilers. 1,686,445; Oct. 2.
- Garret, Antoine M. (See Le Grand, R. P. A., and Garret.)
- Garretson, Louis, New York, N. Y. Safety jet guard for gas ranges. 1,662,640; Mar. 13.
- Garrett, Arthur S. (See Foster, W. C., and Garrett.)
- Garrett, Frederick G., Southall, England. Door hinge. 1,672,520; June 5.
- Garrett, Lee, Borger, Tex. Tire alarm. 1,662,968; Mar. 20.
- Garrett, Robert E. (See Rice, James L., assignor.)
- Garrett, Robert E., assignor of one-half to E. J. Schubert, Nashville, Tenn. Supporting loop for garments, etc. 1,677,078; July 10.
- Garrett, Robert H. (See Robinson, Frank L., assignor.)
- Garrett, Stuart G., Tulsa, Okla. Attachment for household refrigerators. 1,670,959; May 22.
- Garrison, Herman, Chicago, Ill. Can opener. 1,655,948; Jan. 10.
- Garrison, Herman, Chicago, Ill. Can opener. 1,656,515; Jan. 17.
- Garrison, Herman, Chicago, Ill. Can opener. 1,661,797; Mar. 6.
- Garrison, Herman, Chicago, Ill. Can opener. 1,664,251; Mar. 27.
- Garrison, Herman, Chicago, Ill. Can opener. 1,670,534; May 22.
- Garrison, Herman, Chicago, Ill. Can opener. 1,693,894; Dec. 4.
- Garrison, Lloyd, Salt Lake City, Utah. Automatic stoker control. 1,679,418; Aug. 7.
- Garrison, Murray E., Los Angeles, Calif. Combination back pressure and vacuum relief valve. 1,656,349; Jan. 17.
- Garrott, John C., Houston, Tex. Valve lifter. 1,686,152; Oct. 2.
- Garrott, John C., Houston, Tex. Detachable sucker-rod guide. 1,696,543; Dec. 25.
- Garrow, James R. (See Nielson, H., and Garrow.)
- Garrow, Nora, Glasgow, Scotland, assignor to Robinson and Sons Limited, Chesterfield, England. Sanitary towel. 1,681,112; Aug. 14.
- Garside, Herbert R., Long Island City, N. Y. Counter for shoes. 1,692,165; Nov. 20.
- Garson, Thorvald N., New Brighton, N. Y. Brake and clutch mechanism. 1,660,551; Feb. 28.
- Gartin, Elmer G., Claremont, N. H. Motor. 1,667,699; Apr. 24.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Chuck mechanism. 1,661,656; Mar. 6.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,662,791; Mar. 13.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Fluid-pressure motor. 1,679,128; July 31.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,679,139; July 31.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,679,141; July 31.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Tool retainer. 1,684,177; Sept. 11.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Lubricating mechanism. 1,684,668; Sept. 18.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,684,669; Sept. 18.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,688,807; Oct. 23.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,689,869; Oct. 30.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Motor. 1,690,484; Nov. 6.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,691,404; Nov. 13.
- Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,692,934; Nov. 27.
- Gartling, George, Los Angeles, Calif. Triple-shell water-tube boiler. 1,669,610; May 15.
- Gärtner, Hugo. (See Dahmler, K., Müller, and Gärtner.)
- Gärtner, John H., San Francisco, Calif., assignor of one-fifth to P. S. Higgins, one-fifth to J. D. Skelly, and one-fifth to W. Shackleton. Pressure-indicating device. 1,675,410; July 3.
- Gärtner, John H., San Francisco, Calif., assignor of one-fifth to P. S. Higgins, one-fifth to J. D. Skelly, and one-fifth to W. Shackleton. Tire-pressure indicator. 1,683,343; Sept. 4.
- Gartz, Adolph F., jr. (See Wayman, C. A. G., and Gartz.)
- Garver, Harold, Abilene, Kans. Toy basket-ball game. 1,654,968; Jan. 3.
- Garvey, Christopher A., deceased, Clayton, Mo.; J. S. Garvey, executrix. Inscribing instrument. 1,687,647; Oct. 16.
- Garvey, Jennie S., executrix. (See Garvey, Christopher A.)
- Garvey, Raymond E., Ironwood, Mich. Attachment for boilers. 1,672,252; June 5.
- Garvin, Fred W., Jamestown, N. Y. Dump wagon. 1,677,555; July 17.
- Garvin, John S., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,660,994; Feb. 28.
- Gary, Lee J., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking petroleum. 1,676,895; July 10.
- Gary, Hartwell H., Birmingham, Ala. Welded sheet-metal container. 1,680,535; Aug. 14.
- Gary, Wright W., assignor of one-half to C. O. Middleton, Los Angeles, Calif. Treating petroleum. 1,677,440; July 17.
- Gas Refrigeration Corporation. (See Bruehl, Lawrence, assignor.)
- Gas Refrigeration Corporation. (See Otto, S., and Bruehl, assignors.)
- Gas Research Company, The. (See Smith, Harry F., assignor.)
- Gascard, Charles, Wiebaden, Germany. Mine prop. 1,674,105; June 19.
- Gasifier Company, The. (See Reichhelm, George L., assignor.)
- Gasiowski, Ernst, Hermsdorf, Berlin, Germany, assignor to General Electric Company. Recording apparatus for relays. 1,687,555; Oct. 16.
- Gaskill, Robert J., Fort Wayne, Ind., assignor to The Gamewell Company, Newton, Mass. Signal lamp. 1,661,421; Mar. 6.
- Gaskin, William E., Oakland, Calif. Back and head rest for beaches. 1,659,093; Feb. 14.
- Gaskins, Thomas, jr., assignor to De Soto Chemical Company, Arcadia, Fla. Roach exterminator. Re16,940; May 1.
- Gasoline Products Company. (See Cross, Roy, assignor.)
- Gasoline Products Company, The. (See Cross, Walter M., assignor.)
- Gaspari, Joseph, New York, N. Y. Eyeglasses. Des. 74,879; Apr. 10.
- Gaspari, Joseph, New York, N. Y. Eyeglasses. Des. 75,421; June 5.
- Gaspari, Joseph, New York, N. Y. Spectacle frame. Des. 76,529; Oct. 9.
- Gass, Conrad P., Tacoma, Wash. Garment hanger. 1,689,126; Oct. 23.
- Gass, Elmer J., and D. W. Thurston, Detroit, Mich. Form for concrete and the like. 1,676,184; July 3.
- Gassner, Sebastian, Leverkusen, near Cologne, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Yellow vat dyestuff. 1,667,848; May 1.
- Gasstrom, Herman, Mount Vernon, N. Y. Joint for extension rules. 1,684,483; Sept. 18.
- Gast, W. H. (See Stephan, Emil, assignor.)
- Gast, William W., Baltimore, Md. Socket wrench and screw driver. 1,677,473; July 17.
- Gaston, Ralph M., assignor to Mall Tool Company, Chicago, Ill. Flexible shaft. 1,678,335; July 24.
- Gat Gun Lubricating Corporation. (See Hundemer, Walter F., assignor.)
- Gat Gun Lubricating Corporation. (See Shere, Albert T., assignor.)
- Gatchell, Frederick D., New York, N. Y. Oil bottle. Des. 74,828; Apr. 3.
- Gatchell, Frederick D., New York, N. Y. Oil package. 1,679,968; Aug. 7.
- Gatchell, Frederick D., New York, N. Y. Apparatus for dispensing lubricants. 1,687,014; Oct. 9.
- Gates, Charles C., Denver, Colo. Antiskid device. 1,662,262; Mar. 13.
- Gates, Donald E., administrator. (See Gates, Elmer.)
- Gates, Elisha A., assignor of one-half to F. G. Vila, San Diego, Calif. Combined license and number plate holder. Des. 76,530; Oct. 9.
- Gates, Elizabeth H., Los Angeles, Calif. Measuring instrument. 1,691,279; Nov. 13.
- Gates, Elmer, deceased, Washington, D. C.; D. E. Gates, administrator. Combustion under pressure. 1,664,072; Mar. 27.
- Gates, Ernest W., Needham, Mass. Game device. 1,664,506; Apr. 3.
- Gates, Frederic P., West Hartford, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Attachment plug. 1,658,635; Feb. 7.
- Gates, Grover F., De Graff, Ohio. Push pole. 1,681,803; Aug. 21.
- Gates, Lee O., Denver, Colo. Structural-form tie. 1,692,166; Nov. 20.
- Gates, Lee O., Denver, Colo. Structural-form tie. 1,692,167; Nov. 20.
- Gates, Leroy G., Bakersfield, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Apparatus for lubricating wire cables. 1,665,451; Apr. 10.

- Gates, Philetus W., assignor to Hanna Engineering Works, Chicago, Ill. Lubricator. 1,667,849; May 1.
- Gates, Steve, Braddock, assignor of one-half to H. T. Zasloff, Pittsburgh, Pa. Swimming device. 1,657,467; Jan. 31.
- Gates, Sylvester A., Detroit, Mich. Tar-laid building material. 1,692,438; Nov. 20.
- Gates, Walter S., Detroit, Mich., assignor, by mesne assignments, to General Cable Corporation. Drying apparatus. 1,692,498; Nov. 20.
- Gatewood, Ando Z., Temple, Okla. Knife structure. 1,665,955; Apr. 10.
- Gathmann, Emil, Baltimore, Md. Ingot mold. 1,660,037; Feb. 21.
- Gathmann, Emil, Baltimore, Md. Ingot mold. 1,661,039; Feb. 28.
- Gathmann, Emil, Baltimore, Md. Ingot mold. 1,667,289; Apr. 24.
- Gathmann, Emil, Baltimore, Md. Ingot mold. 1,680,872; Aug. 14.
- Gathmann, Emil, Baltimore, Md. Shrink-head casing for ingot molds. 1,696,393; Dec. 25.
- Gathmann, Emil, assignor to The Gathmann Engineering Company, Baltimore, Md. Shrink-head casing for ingot molds. 1,663,450; Mar. 20.
- Gathmann Engineering Company, The. (See Gathmann, Emil, assignor.)
- Gatkowski, Stanley, Chicago, Ill. Electric sign. 1,658,163; Feb. 7.
- Gatkowski, Stanley, Chicago, Ill. Electric sign. 1,675,851; July 3.
- Gatten, William S., Opportunity, Wash. Reduction gearing. 1,674,200; June 19.
- Gatti, Joseph, assignor to Gatti Service Incorporated, New York, N. Y. Wadding and bat. 1,695,805; Dec. 18.
- Gatti Service Incorporated. (See Gatti, Joseph, assignor.)
- Gatti, Tony C., Pascagoula, Miss. Garden tool. 1,666,374; Apr. 17.
- Gauk, Robert, Chicago, Ill. Telephone stand. 1,658,891; Feb. 14.
- Gauger, Alfred W., Tottenville, and H. H. Storch, New York, N. Y., assignors to Burnham Chemical Company, Reno, Nev. Obtaining sodium carbonate sulphate. 1,689,526; Oct. 30.
- Gauger, Frank A., and R. W. Johnson, assignors, by mesne assignments, to Time-O-Stat Corporation, Milwaukee, Wis. Heater appliance. 1,680,049; Aug. 7.
- Gauger, Frank A., R. W. Johnson, and A. J. Neuser, Milwaukee, Wis. Pilot and burner control apparatus. 1,680,263; Aug. 7.
- Gaugler, Charles L. (See Davey, J. and P. H., and Gaugler.)
- Gaugler, Charles L. (See Davey, James A. and P. H., and Gaugler.)
- Gault, Frank W., jr., assignor of one-half to H. J. Greive, Louisville, Ky. Gas burner. 1,670,147; May 15.
- Gault, John S., Athol, Idaho. Snow remover. 1,676,823; July 10.
- Gaume, Louis E., Akron, Ohio. Garment hanger. 1,662,855; Mar. 20.
- Gaus, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-Main, Germany. Composition to be used in connection with antiknock compounds. 1,666,693; Apr. 17.
- Gaus, Wilhelm, and W. Wild, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-Main, Germany. Producing mixtures of nitrogen and hydrogen. 1,666,694; Apr. 17.
- Gauss, Henry F., Moscow, Idaho, assignor to Heine Boiler Company, St. Louis, Mo. Air heater. 1,671,188; May 29.
- Gauss, Henry F., Moscow, Idaho, assignor to Heine Boiler Company, St. Louis, Mo. Air heater. 1,671,189; May 29.
- Gauss, Henry F., Moscow, Idaho, assignor to Heine Boiler Company, St. Louis, Mo. Air heater. 1,688,618; Oct. 23.
- Gauss, Henry F., Moscow, Idaho, assignor to Heine Boiler Company, St. Louis, Mo. Regenerative air heater. 1,688,700; Oct. 23.
- Gauthier, Ernest, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw-forming machine. 1,691,055; Nov. 13.
- Gauthier, Joseph E., assignor of one-half to M. Gauthier, Montreal, Quebec, Canada. Internal-combustion engine. 1,660,487; Feb. 28.
- Gauthier, Maurice. (See Gauthier, Joseph E., assignor.)
- Gauthier, William L., Flint, assignor to General Motors Corporation, Detroit, Mich. Brake. 1,658,558; Feb. 7.
- Gavaza, George V., Quincy, Mass. Siphon pump. 1,666,850; Apr. 17.
- Gavaza, George V., Quincy, Mass. Combined sink faucet and dishwashing fixture. 1,669,978; May 15.
- Gaw-O'Hara Envelope Company. (See Ahlquist, Eugene F., assignor.)
- Gaw-O'Hara Envelope Company. (See Elmore, Charles F., assignor.)
- Gaw-O'Hara Envelope Co. (See Olgay, Albert, assignor.)
- Gay, Alfred F., assignor to H. J. Lupien, Brockton, Mass. Joint for pistons and connecting rods, etc. 1,684,862; Sept. 18.
- Gaye, Jules. (See Molinghen, E. and Gaye.)
- Gayer, Ernest C., London, England. Variable-power transmission mechanism. 1,667,290; Apr. 24.
- Gaylord, George S., Menasha, assignor, by mesne assignments, to Marathon Paper Mills Company, Rothschild, Wis. Double-receptacle carton. 1,693,841; Dec. 4.
- Gaylord, John F., Norfolk, Va. Clutch. 1,659,525; Feb. 14.
- Gaylord, John F., Indianapolis, Ind. Transmission gearing. 1,668,363; May 1.
- Gaylord, Robert, Incorporated. (See Fallert, Clifford D., assignor.)
- Gaylord, Robert H., Los Angeles, Calif. Elevator-signaling system. 1,655,142; Jan. 3.
- Gaylord, Robert H., Los Angeles, Calif. Signaling system for elevators. 1,696,842; Dec. 25.
- Gayman, Oliver P., Canal Winchester, Ohio. Printer's chase. 1,681,701; Aug. 21.
- Gayman, Warren W. (See Perkins, W. A., and Gayman.)
- Gaynor, Arthur C., and E. G. Gaynor, Stratford, Conn., said Edwin G. Gaynor assignor to said Arthur C. Gaynor. Electric bell. 1,674,245; June 19.
- Gaynor, Arthur C., Stratford, and E. G. Gaynor, Fairfield, Conn. Electric connector. 1,674,246; June 19.
- Gaynor, Arthur C., Stratford, Conn. Electric switch. 1,670,780; Nov. 6.
- Gaynor, Edwin G. (See Gaynor, Arthur C. and E. G.)
- Geake, William H. G., Killara, near Sydney, New South Wales, Australia, assignor to W. Rutherford, London, England, and J. Bain, Ottawa, Canada. Container. 1,656,477; Jan. 17.
- Geake, William H. G., Killara, near Sydney, New South Wales, Australia, assignor to W. Rutherford, London, England, and J. Bain, Ottawa, Canada. Feeding mechanism for containers. 1,656,478; Jan. 17.
- Geake, William H. G., Killara, Sydney, Australia, assignor to W. Rutherford, London, England, and J. Bain, Ottawa, Canada. Combined container and grease gun. 1,659,912; Feb. 21.
- Geake, William H. G., Sydney, New South Wales, Australia, assignor to W. Rutherford, London, England, and J. Bain, Ottawa, Canada. Combination container and grease gun. 1,669,001; May 8.
- Gear Grinding Machine Company, The. (See Logue, Charles H., assignor.)
- Gearhart, James W., Fresno, Calif. Book holder. 1,692,727; Nov. 20.
- Gearhart, Ralph W., assignor to Gearhart Sales Cabinet Co. Inc., Clearfield, Pa. Combination freezer and refrigerator cabinet. 1,679,656; Aug. 7.
- Gearhart Sales Cabinet Co. Inc. (See Gearhart, Ralph W., assignor.)
- Gearhart, Walter S., Robinson, Ill. Pipe and pipe-joint construction. 1,671,636; May 29.
- Gearing, Charles M., Meriden, assignor to The New Departure Manufacturing Company, Bristol, Conn. Work supporting and centering device. 1,671,711; May 29.
- Gearing, Harry, Los Angeles, Calif., assignor to Nebraska Printing Company, Lincoln, Nebr. Reversing rollers and the like relative to each other. 1,680,676; Aug. 14.
- Gearing, Harry, Los Angeles, Calif., assignor to Nebraska Printing Company, Lincoln, Nebr. Delivery mechanism for printing presses. 1,690,288; Nov. 6.
- Geary, George, Toronto, Ontario, Canada. Floor-finishing apparatus. 1,694,738; Dec. 11.
- Gebauer, Ferencz, Budapest, Hungary. Machine gun for flying machines. 1,671,712; May 29.
- Gebbert, Arthur, Erlangen, Germany. High-frequency oscillation system for medical apparatus. 1,682,121; Aug. 28.
- Gebel, Michael E., Armour, S. Dak. Electric soldering carbon. 1,694,256; Dec. 4.
- Gebhard, Carl, Los Angeles, Calif. Piano insulator. 1,670,853; May 22.
- Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal-controlled oscillator. 1,683,130; Sept. 4.
- Gebhardt, George H., Muscatine, Iowa. Treating pearl chips and product. 1,685,451; Sept. 25.
- Gebhardt, Michael J., Howard Lake, Minn. Spark-plug short-circuiting device. 1,675,024; June 26.
- Gebhardt, Michael J., Howard Lake, Minn. Spark-plug short-circuiting device. 1,675,025; June 26.
- Gebhart Folding Box Company, The. (See Gebhart, Louis H., assignor.)
- Gebhart, Louis H., assignor to The Gebhart Folding Box Company, Dayton, Ohio. Box. Des. 74,560; Feb. 28.
- Gebhart, Louis H., assignor to The Gebhart Folding Box Company, Dayton, Ohio. Box. Des. 75,484; June 12.
- Gebhart, Louis H., assignor to The Gebhart Folding Box Company, Dayton, Ohio. Box blank or similar article. Des. 76,296; Sept. 11.
- Gebhart, Louis H., assignor to The Gebhart Folding Box Company, Dayton, Ohio. Box blank or similar article. Des. 76,998; Nov. 27.
- Geddes, William L., Montclair, N. J. Headlight. 1,686,656; Oct. 9.
- Gehr, Ehart. (See Pleyer, Anton, assignor.)
- Gehr, Staubli & Co. (See Staubli, Hugo, assignor.)
- Gehrüder Hardy Maschinenfabrik und Glesserei Aktien Gesellschaft. (See Krehann, Emil, assignor.)
- Gehrüder Siemens & Co. (See Egly, Georg, assignor.)
- Gedda, Georg G., Surahammer, Sweden. Producing wrought iron with increased tensile properties. 1,685,602; Sept. 25.
- Geddes, David, Berkeley, Calif. Feed regulator. 1,682,958; Sept. 4.

- Gedgaud, Leon, Chicago, Ill. Lamp post. Des. 75,555; June 19.
- Gedge, Edna R., Los Angeles, Calif., assignor to Peerless Products Company. Wax-distributing floor polisher. 1,691,024; Nov. 6.
- Gee, Frederick S. (See Gee, James E. and F. S.)
- Gee, James E. and F. S., London, England. Heat treatment of permanent magnets. 1,685,877; Oct. 2.
- Gee, James M., Cleveland, Ohio. Hydrocarbon-oil burner. 1,685,567; Sept. 25.
- Gee, William C., Rock Ferry, England. Steering-gear control. 1,690,289; Nov. 6.
- Gee, William J., London, England. Variable-speed gear. 1,676,859; July 10.
- Geer, Edmund S., New York, N. Y. Record stop. 1,675,852; July 3.
- Geer, William C., Akron, Ohio, and C. F. Sherwood, San Francisco, Calif., assignors to The B. F. Goodrich Company, New York, N. Y. Rubber filter sheet. 1,663,298; Mar. 20.
- Gegauff, Fritz, Steckborn, Switzerland. Skeining device. 1,657,254; Jan. 24.
- Gégauff, Charles, assignor to Societe Alsacienne de Constructions Mecaniques, Mulhouse, France. Dabber for combers of the Heilmann type. 1,662,308; Mar. 13.
- Gégauff, Charles, assignor to Societe Alsacienne de Constructions Mecaniques, Mulhouse, France. Actuating the cushion plate in Heilmann and like combers. 1,668,498; May 1.
- Gégauff, Charles, and J. Pfimlin, Mulhouse, France. Apparatus for cleaning revolving-dlat carding machines. 1,658,714; Feb. 7.
- Gégauff, Charles, and J. Pfimlin, Mulhouse, France. Clearing mechanism for preparatory machines for textile fiber. 1,689,238; Oct. 30.
- Gegenheimer, William, Baldwin, N. Y. Paper-feeding means for printing presses. 1,683,718; Sept. 11.
- Gehe & Co., A.-G. (See Hesse, Erich, assignor.)
- Gehersky, William W., assignor to National Accessories Corporation, Los Angeles, Calif. Combined spotlight and supporting bracket. Des. 75,011; May 1.
- Gehm, Eugene H., Stockton, Calif. Liquid contact connector. 1,667,660; Apr. 24.
- Gehrich, Charles L., Elmhurst, N. Y. Sectional oven wall. 1,681,333; Aug. 21.
- Gehres, Hewitt A., Mount Vernon, Ohio. Valve construction. 1,682,499; Aug. 28.
- Gehres, Hewitt A., Mount Vernon, Ohio. Driving mechanism for engine accessories. 1,687,609; Oct. 16.
- Gehring, Rudolf, Sonthofen, Allgau, Germany. Finger-print-taking device. 1,672,206; June 5.
- Gehring, William F., Chicago, Ill. Display apparatus. 1,673,113; June 12.
- Gehrke, Max. (See Schoeller, W., Feldt, Gehrke, and Borgwardt.)
- Gehrein, Vincent, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,692,827; Nov. 27.
- Gehrmann, Charles A. (See Hornberger, William R., assignor.)
- Gehrts, Friedrich, Karlsborst, near Berlin, Germany, assignor to General Electric Company. Amplifier connection. 1,688,701; Oct. 23.
- Gehrts, John F., Kingsley, Iowa. Fence-wire splice. 1,655,764; Jan. 10.
- Geib, Ambrose C., assignor to Gelb & Schaefer Co., Chicago, Ill. Case for musical instruments. 1,664,476; Apr. 3.
- Gelb & Schaefer Co. (See Gelb, Ambrose C., assignor.)
- Geier, James, Troy, N. Y. Convertible level and transit. 1,663,546; Mar. 27.
- Geier, P. A., Company, The. (See Haumann, George, assignor.)
- Geier, P. A., Company, The. (See Hedges, George L., assignor.)
- Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
- Geiger, Adolph. (See Geiger, Erwin A. and A.)
- Geiger, Charles F., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Tunnel kiln, furnace, and the like. 1,686,083; Oct. 2.
- Geiger, Edward F., Chicago, Ill., assignor to International Time Recording Company of New York, Binghamton, N. Y. Watchmen's delinquency alarm. 1,695,092; Dec. 11.
- Geiger, Erwin A., Westfield, and A. Geiger, Elizabeth, N. J., assignors, by mesne assignments, to Elliott Addressing Machine Company. Hand-operated addressing machine. 1,696,760; Dec. 25.
- Geiger, Erwin A., Westfield, A. F. Schraegle, Roselle, N. J., and H. T. Jennings, Glendale, N. Y., assignors, by mesne assignments, to Elliott Addressing Machine Company. Automatic selective attachment for addressing machines. 1,696,759; Dec. 25.
- Geiger, Herman R. (See Ellis, W. E., and Geiger.)
- Geiger, John, Minden, Iowa. Clover huller. 1,689,239; Oct. 30.
- Geiger, Josef, assignor to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Rail vehicle. 1,679,469; Aug. 7.
- Geiger, Josef, assignor to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Locomotive. 1,694,618; Dec. 11.
- Geiger, Julius, Gesellschaft mit beschränkter Haftung. (See Kicherer, Wilhelm, assignor.)
- Geiger, Martin. (See Deckel, F., and Geiger.)
- Geiger, Paul H. (See Grondahl, L. O., and Geiger.)
- Geiger, William A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,669,813; May 15.
- Geiger, William A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,669,814; May 15.
- Geiger, William A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,669,815; May 15.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,671,576; May 29.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,673,044; June 12.
- Geiger, William A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,674,821; June 26.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Draft-rigging key retainer. 1,680,330; Aug. 14.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,683,386; Sept. 4.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 1,684,537; Sept. 18.
- Geiger, William A., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,696,351; Dec. 25.
- Geigy, J. R., S. A. (See Agthe, Carl A., assignor.)
- Geigy, J. R., S. A. (See Laeuger, Paul, assignor.)
- Geigy, J. R., A. G. (See Mettler, Carl, assignor.)
- Geisenberger, Alexander J., and J. A. C. Horn, Dallas, Tex. Display stand or similar article. Des. 75,233; May 22.
- Geiser, George, and P. Latsch, Helena, Mont. Pipe clamp. 1,668,499; May 1.
- Geiser, George B., assignor to Berger Brothers Company, Philadelphia, Pa. Gutter-hanger circle. 1,680,980; Aug. 14.
- Geiser, Herman P., Lima, Ohio. Foldable barricade. 1,691,926; Nov. 20.
- Geisinger, Elliott E., assignor to The Pfaunder Co., Rochester, N. Y. Container. 1,689,917; Oct. 30.
- Geisler, Otto, Chicago, Ill. Cleaning device. 1,656,479; Jan. 17.
- Geismar, Theodore. (See Friedlander, S., and Geismar.)
- Geisser, Benjamin J., Oakland, Calif. Valve lifter. 1,657,210; Jan. 24.
- Geissinger, Harry G., Detroit, Mich. Electromagnetic fuel-control valve. 1,654,642; Jan. 3.
- Geissler, Ernst, South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine table. 1,669,464; May 15.
- Geissler, Franz, Dusseldorf-Oberkassel, Germany. Casting apparatus for first-quality and refined steels. 1,693,076; Nov. 27.
- Geist, Walter, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power-transmitting mechanism. 1,662,511; Mar. 13.
- Geist, Walter, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Candy-pulling machine. 1,685,741; Sept. 25.
- Geist, William J. (See Van Ee, W., and Geist.)
- Geistert, Albert G. (See Hunt, O. E., and Geistert.)
- Geistert, Albert G., assignor to General Motors Corporation, Detroit, Mich. Flexible closure boot. 1,662,310; Mar. 13.
- Geistert, Albert G., Detroit, Mich., and J. M. Schoonmaker, Jr., Sewickley, Pa., assignors to General Motors Corporation, Detroit, Mich. Bumper with rubber buffer. 1,662,309; Mar. 13.
- Gelatt, Philo M., La Crosse, Wis., assignor, by mesne assignments, to National Gauge & Equipment Company, Wilmington, Del. Mounting for indicating instruments for automobiles. 1,690,575; Nov. 6.
- Geldhof, Peter E. (See Wilkinson, G. C., and Geldhof.)
- Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Monazo dyes from pyrazolones and aminobenzene-polysulphonic acids. 1,688,044; Oct. 16.
- Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Monazo dyes from disulphonaphthyl pyrazolones and o-aminohydroxybenzenes. 1,688,045; Oct. 16.
- Geller, Roscoe G., Owego, N. Y. Knife sharpener. Des. 75,619; June 26.
- Gellert, Isaac S. (See Najder, Kasimir W., assignor.)
- Gelman, Morris, and F. Urschler, sr., Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Induction regulator. 1,687,648; Oct. 16.
- Geloso, John, New York, assignor to Pilot Electric Manufacturing Company, Inc., Brooklyn, N. Y. Escutcheon plate for a radio dial. Des. 75,620; June 26.
- Geloso, John, New York, N. Y. Escutcheon plate for a vernier dial. Des. 76,926; Nov. 20.
- Gelscharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making plate glass. Re16,856; Jan. 17.
- Gem City Stove Manufacturing Company. (See Rupp, Henry J., assignor.)
- Gem Clay Forming Company, The. (See Greene, Raymond J., assignor.)
- Gem Engineering Corporation. (See Barnes, Llewellyn T., assignor.)

Gem Hammock & Fly Net Company. (See Kootz, Arthur C., assignor.)
 Gemberling, Cameron H. (See Altgelt, R. J., and Gemberling.)
 Gemex Company. (See Prestinari, Eugen, assignor.)
 Gemmer Manufacturing Company. (See Marles, Henry, assignor.)
 Genachte, Désiré V., New York, N. Y. Lamp shade. Des. 76,437; Sept. 25.
 Gendron, Joseph L., Springfield, Mass. Rim expander. 1,670,404; May 22.
 Gendron, Napoleon J., Seattle, Wash. Pliers. 1,661,365; Mar. 6.
 Gendron Wheel Company, The. (See Hamel, Frederick A., assignor.)
 General Alloys Company. (See Van Stone, Edward P., assignor.)
 General American Tank Car Corporation. (See Parks, Ostrander J., assignor.)
 General American Tank Car Corporation. (See Weaver, Robert R., assignor.)
 General Box Company. (See Embry, Harry W., assignor.)
 General Cable Company. (See Atkinson, Ralph W., assignor.)
 General Cable Corporation. (See Atkinson, R. W., and Shurts, assignors.)
 General Cable Corporation. (See Davis, Norman C., assignor.)
 General Cable Corporation. (See Gates, Walter S., assignor.)
 General Cable Corporation. (See Potter, Frank M., assignor.)
 General Cable Corporation. (See Saurman, Atlee B., assignor.)
 General Cable Corporation. (See Scott, Charles A., assignor.)
 General Cable Corporation. (See Simons, Donald M., assignor.)
 General Cable Corporation. (See Wodtke, Hans V., assignor.)
 General Carbonic Company. (See Minor, Henry R., assignor.)
 General Chemical Company. (See Benjamin, Charles S., assignor.)
 General Chemical Company. (See Egleson, James E., assignor.)
 General Chemical Company. (See Meiklejohn, Roy M., assignor.)
 General Chemical Company. (See Merriam, Henry F., assignor.)
 General Chemical Company. (See Thompson, Alfred P., assignor.)
 General Chemical Company. (See Tiley, George E., assignor.)
 General Cigar Company, Limited. (See Van Sickels, John H., assignor.)
 General Combustion Company. (See Bartley, John M., assignor.)
 General Electric Company. (See Abbott, Charles C., assignor.)
 General Electric Company. (See Abrahams, Samuel L., assignor.)
 General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
 General Electric Company. (See Alexanderson, E. F. W., and Mittag, assignors.)
 General Electric Company. (See Alexanderson, E. F. W., and Nixdorff, assignors.)
 General Electric Company. (See Allen, Edwin W., assignor.)
 General Electric Company. (See Amsden, Ralph D., assignor.)
 General Electric Company. (See Anderson, Arvid E., assignor.)
 General Electric Company. (See Anderson, Robert G., assignor.)
 General Electric Company. (See Austin, Edward, assignor.)
 General Electric Company. (See Bailey, Percy S., assignor.)
 General Electric Company. (See Bainbridge, Kenneth E., assignor.)
 General Electric Company. (See Baker, Walter R. G., assignor.)
 General Electric Company. (See Bany, Herman, assignor.)
 General Electric Company. (See Bany, H., and Hoffmann, assignors.)
 General Electric Company. (See Bany, H., and Seeley, assignors.)
 General Electric Company. (See Basch, David, assignor.)
 General Electric Company. (See Bauerschmidt, Kuno, assignor.)
 General Electric Company. (See Benford, Frank A., assignor.)
 General Electric Company. (See Bergman, J., and Manders, assignors.)
 General Electric Company. (See Bergman, Sven R., assignor.)
 General Electric Company. (See Bernhoeft, Karl, assignor.)
 General Electric Company. (See Berry, Edward R., assignor.)
 General Electric Company. (See Biermanns, Josef, assignor.)

General Electric Company. (See Blake, H. D., and Stone, assignors.)
 General Electric Company. (See Blau, F., Koref, and Moers, assignors.)
 General Electric Company. (See Bliss, Edwin L. R., assignor.)
 General Electric Company. (See Bliss, Elmer F., assignor.)
 General Electric Company. (See Blume, Louis F., assignor.)
 General Electric Company. (See Boelter, R., and Bartz, assignors.)
 General Electric Company. (See Bond, Leslie W., assignor.)
 General Electric Company. (See Booth, Ralph E., assignor.)
 General Electric Company. (See Bower, George W., assignor.)
 General Electric Company. (See Brand, Frederick F., assignor.)
 General Electric Company. (See Brindle, Robert, jr., assignor.)
 General Electric Company. (See Brinton, Howard G., assignor.)
 General Electric Company. (See Brophy, D. H., and Ruggles, assignors.)
 General Electric Company. (See Brophy, Gerald R., assignor.)
 General Electric Company. (See Brown, C. A., and Nielsen, assignors.)
 General Electric Company. (See Brown, George R., assignor.)
 General Electric Company. (See Brown, Harold W., assignor.)
 General Electric Company. (See Brown, H. W., and Bailey, assignors.)
 General Electric Company. (See Brown, Herbert D., assignor.)
 General Electric Company. (See Brown, Walter W., assignor.)
 General Electric Company. (See Brown, William W., assignor.)
 General Electric Company. (See Brückel, Waldemar, assignor.)
 General Electric Company. (See Buckland, B. O., and Warren, assignors.)
 General Electric Company. (See Burnham, Locke H., assignor.)
 General Electric Company. (See Burrows, Williams R., assignor.)
 General Electric Company. (See Byk, Alfred, assignor.)
 General Electric Company. (See Byles, Frank A., assignor.)
 General Electric Company. (See Byrnes, Irving F., assignor.)
 General Electric Company. (See Camby, Musaffer D., assignor.)
 General Electric Company. (See Carichoff, Eugene R., assignor.)
 General Electric Company. (See Carlson, Wendell L., assignor.)
 General Electric Company. (See Carothers, Robert M., assignor.)
 General Electric Company. (See Carter, Emmett F., assignor.)
 General Electric Company. (See Cartun, Paul O., assignor.)
 General Electric Company. (See Case, Frank E., assignor.)
 General Electric Company. (See Chapman, Verni J., assignor.)
 General Electric Company. (See Cheeseman, Ralph T., assignor.)
 General Electric Company. (See Clarkson, William B., assignor.)
 General Electric Company. (See Clauder, Arthur W., assignor.)
 General Electric Company. (See Clinker, Reginald C., assignor.)
 General Electric Company. (See Clymer, Charles C., assignor.)
 General Electric Company. (See Cohn, Alfred, assignor.)
 General Electric Company. (See Cohn, A., and Müller, assignors.)
 General Electric Company. (See Conlin, John J., assignor.)
 General Electric Company. (See Connell, Amos C., assignor.)
 General Electric Company. (See Cook, Ellsworth, D., assignor.)
 General Electric Company. (See Coolidge, William D., assignor.)
 General Electric Company. (See Corson, A. J., and Hoare, assignors.)
 General Electric Company. (See Courtin, Eberhard, assignor.)
 General Electric Company. (See Cox, David C., assignor.)
 General Electric Company. (See Craighead, James R., assignor.)
 General Electric Company. (See Creighton, Elmer E. F., assignor.)
 General Electric Company. (See Crémer, Michel, assignor.)
 General Electric Company. (See Cropp, F., and Butterlin, assignors.)

- General Electric Company. (See Daley, Raymond E. J., assignor.)
- General Electric Company. (See Dantsizen, Christian, assignor.)
- General Electric Company. (See Darling, Alan G., assignor.)
- General Electric Company. (See Davis, Albert G., assignor.)
- General Electric Company. (See Davis, Guy F., assignor.)
- General Electric Company. (See De Graaff, Antonius, assignor.)
- General Electric Company. (See De Reamer, Frank C., assignor.)
- General Electric Company. (See De Tar, Donald R., assignor.)
- General Electric Company. (See Dickinson, Edgar D., assignor.)
- General Electric Company. (See Dickinson, E. D., and Standerwick, assignors.)
- General Electric Company. (See Dietze, Richard, assignor.)
- General Electric Company. (See Donovan, John F., assignor.)
- General Electric Company. (See Dryer, William P., assignor.)
- General Electric Company. (See Dunton, Harris D., assignor.)
- General Electric Company. (See Easthope, Arthur, assignor.)
- General Electric Company. (See Eaton, John, assignor.)
- General Electric Company. (See Eby, Eugene D., assignor.)
- General Electric Company. (See Eisenwinter, Wilfred W., assignor.)
- General Electric Company. (See Ellis, Alvarado L. R., assignor.)
- General Electric Company. (See Ellis, A. L. R., and Greene, assignors.)
- General Electric Company. (See Emmet, William L. R., assignor.)
- General Electric Company. (See Engstrom, Elmer W., assignor.)
- General Electric Company. (See Fagan, John T., assignor.)
- General Electric Company. (See Fagan, J. T., and Staudenmeir, assignors.)
- General Electric Company. (See Falcke, Emil, assignor.)
- General Electric Company. (See Falcke, E., and Lehmann, assignors.)
- General Electric Company. (See Ferguson, Charles V., assignor.)
- General Electric Company. (See Finney, Alfred C., assignor.)
- General Electric Company. (See Fitzgerald, Alan S., assignor.)
- General Electric Company. (See Fonda, Gorton R., assignor.)
- General Electric Company. (See Forsberg, Peter W., assignor.)
- General Electric Company. (See Fortin, Paul R., assignor.)
- General Electric Company. (See Frech, Theodore W., assignor.)
- General Electric Company. (See Freiburghouse, Edward H., assignor.)
- General Electric Company. (See French, H. G., and McSheen, assignors.)
- General Electric Company. (See Fuller, Truman S., assignor.)
- General Electric Company. (See Fuller, T. S., Adams, and Nolte, assignors.)
- General Electric Company. (See Gasicrowski, Ernst, assignor.)
- General Electric Company. (See Gehrts, Friedrich, assignor.)
- General Electric Company. (See Geschke, Johannes, assignor.)
- General Electric Company. (See Gilson, Emery G., assignor.)
- General Electric Company. (See Girault, Paul G., assignor.)
- General Electric Company. (See Gittings, William N., assignor.)
- General Electric Company. (See Goodwin, Alan M., assignor.)
- General Electric Company. (See Gosling, Joseph W., assignor.)
- General Electric Company. (See Grier, Arthur G., assignor.)
- General Electric Company. (See Grünholz, Hans, assignor.)
- General Electric Company. (See Guedon, Emile C., assignor.)
- General Electric Company. (See Hall, Chester I., assignor.)
- General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
- General Electric Company. (See Halvorson, C. A. B., jr., and Hussey, assignors.)
- General Electric Company. (See Hamilton, Walter L., assignor.)
- General Electric Company. (See Hamilton, William S. H., assignor.)
- General Electric Company. (See Hanna, Charles T., assignor.)
- General Electric Company. (See Hanna, Max R., assignor.)
- General Electric Company. (See Hardesty, Llewellyn C., assignor.)
- General Electric Company. (See Hartmann, Hermann G., assignor.)
- General Electric Company. (See Haughton, Frank A., assignor.)
- General Electric Company. (See Hayman, William C., assignor.)
- General Electric Company. (See Hays, David, assignor.)
- General Electric Company. (See Hegel, G. W., and Brophy, assignors.)
- General Electric Company. (See Heisler, Charles L., assignor.)
- General Electric Company. (See Hendricks, Allan B., jr., assignor.)
- General Electric Company. (See Henkel, E., and Wolff, assignors.)
- General Electric Company. (See Herklotz, Max, assignor.)
- General Electric Company. (See Herzog, Eugene, assignor.)
- General Electric Company. (See Herzog, Wilhelm, assignor.)
- General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
- General Electric Company. (See Hillebrand, Franz, assignor.)
- General Electric Company. (See Hilliard, John D., assignor.)
- General Electric Company. (See Holbrook, Henry S., assignor.)
- General Electric Company. (See Hollnagel, Herbert P., assignor.)
- General Electric Company. (See Holst, Gilles, assignor.)
- General Electric Company. (See Holt, Klate M., assignor.)
- General Electric Company. (See Höpp, Wilhelm, assignor.)
- General Electric Company. (See Howe, Goodwin H., assignor.)
- General Electric Company. (See Hoxie, Charles A., assignor.)
- General Electric Company. (See Huber, Herman J. H., assignor.)
- General Electric Company. (See Hull, Albert W., assignor.)
- General Electric Company. (See Hull, A. W., and St. Clair, assignors.)
- General Electric Company. (See Hull, John I., assignor.)
- General Electric Company. (See Hutt, J., and Bird, assignors.)
- General Electric Company. (See Hutt, Leonard P., assignor.)
- General Electric Company. (See Inman, George E., assignor.)
- General Electric Company. (See Ipsen, Carl L., assignor.)
- General Electric Company. (See Irby, William, assignor.)
- General Electric Company. (See Johannesen, Svend E., assignor.)
- General Electric Company. (See Jones, William H., assignor.)
- General Electric Company. (See Jorgensen, Hans G., assignor.)
- General Electric Company. (See Jump, George H., assignor.)
- General Electric Company. (See Junggren, Oscar, assignor.)
- General Electric Company. (See Karapetoff, Vladimir, assignor.)
- General Electric Company. (See Kearsley, William K., assignor.)
- General Electric Company. (See Kearsley, William K., jr., assignor.)
- General Electric Company. (See Kelley, Floyd C., assignor.)
- General Electric Company. (See Kellogg, Edward W., assignor.)
- General Electric Company. (See Kelsey, Charles A., assignor.)
- General Electric Company. (See Kelso, Newton T., assignor.)
- General Electric Company. (See Kempton, Leslie A., assignor.)
- General Electric Company. (See Kennedy, Luke F., assignor.)
- General Electric Company. (See Kinnard, I. F., and Pratt, assignors.)
- General Electric Company. (See Kjolseth, Ole K., assignor.)
- General Electric Company. (See Knight, Henry de B., assignor.)
- General Electric Company. (See Knoderer, Homer G., assignor.)
- General Electric Company. (See Koning, Willem, assignor.)
- General Electric Company. (See Krämer, Christian, assignor.)
- General Electric Company. (See Laird, Wesley E., assignor.)
- General Electric Company. (See Langley, Ralph H., assignor.)

General Electric Company. (See Langmuir, Irving, assignor.)
 General Electric Company. (See Leever, Frederic W., assignor.)
 General Electric Company. (See Lennox, Thomas C., assignor.)
 General Electric Company. (See Lewinnek, Georg, assignor.)
 General Electric Company. (See Lewis, E. H., and Hull, assignors.)
 General Electric Company. (See Lichtscheindl, Géza, assignor.)
 General Electric Company. (See Liddiard, Hugh W. C., assignor.)
 General Electric Company. (See Lincks, George F., assignor.)
 General Electric Company. (See Love, Joseph E., assignor.)
 General Electric Company. (See Lubowsky, Kurt, assignor.)
 General Electric Company. (See Lund, H., and Laub, assignors.)
 General Electric Company. (See Mackintosh, Frederick, assignor.)
 General Electric Company. (See Macloskie, George, assignor.)
 General Electric Company. (See Macloskie, G., and Ives, assignors.)
 General Electric Company. (See Macmillan, Campbell, assignor.)
 General Electric Company. (See Mansur, Clarence W., assignor.)
 General Electric Company. (See Maryan, Colin C., assignor.)
 General Electric Company. (See Maurer, Louis A., assignor.)
 General Electric Company. (See Maxwell, Howard, assignor.)
 General Electric Company. (See May, Karl H., assignor.)
 General Electric Company. (See McCrea, Hugh A., assignor.)
 General Electric Company. (See McDonald, Gordon R., assignor.)
 General Electric Company. (See McFarland, James L., assignor.)
 General Electric Company. (See McGowan, Michael E., assignor.)
 General Electric Company. (See Michulitz, Hermann, assignor.)
 General Electric Company. (See Miller, Howard, assignor.)
 General Electric Company. (See Miller, Levi B., assignor.)
 General Electric Company. (See Mittag, Albert H., assignor.)
 General Electric Company. (See Moffit, T. O., and Braunsdorff, assignors.)
 General Electric Company. (See Montsinger, Vincent M., assignor.)
 General Electric Company. (See Moody, Walter S., assignor.)
 General Electric Company. (See Moore, Daniel M., assignor.)
 General Electric Company. (See Morton, Cecil J., assignor.)
 General Electric Company. (See Mosher, James H., assignor.)
 General Electric Company. (See Mullaney, Dudley A., assignor.)
 General Electric Company. (See Müller, Gustav W., assignor.)
 General Electric Company. (See Murphy, Edwin J., assignor.)
 General Electric Company. (See Murphy, E. J., and Hutt, assignors.)
 General Electric Company. (See Newton, E. G., and Wade, assignors.)
 General Electric Company. (See Nixdorff, Samuel P., assignor.)
 General Electric Company. (See Noble, Paul O., assignor.)
 General Electric Company. (See Nolte, Henry J., assignor.)
 General Electric Company. (See Nolte, H. J., and Prindle, assignors.)
 General Electric Company. (See O'Neil, James A., assignor.)
 General Electric Company. (See Orr, Clark, assignor.)
 General Electric Company. (See Otis, Albert N., assignor.)
 General Electric Company. (See Otis, A. N., and Ipsen, assignors.)
 General Electric Company. (See Otis, A. N., and Woolston, assignors.)
 General Electric Company. (See Pape, Carl, assignor.)
 General Electric Company. (See Parsons, Robert J., assignor.)
 General Electric Company. (See Parker, John C., assignor.)
 General Electric Company. (See Patterson, Frank W., assignor.)
 General Electric Company. (See Paul, William E., assignor.)
 General Electric Company. (See Paulison, William L., Jr., assignor.)

General Electric Company. (See Perkins, Frank C., assignor.)
 General Electric Company. (See Perry, Charles L., assignor.)
 General Electric Company. (See Phelps, R. G., and Raus, assignors.)
 General Electric Company. (See Phelps, R. G., and Staudenmeir, assignors.)
 General Electric Company. (See Phiffer, Clark R., assignor.)
 General Electric Company. (See Pipkin, Marvin, assignor.)
 General Electric Company. (See Pohl, Robert, assignor.)
 General Electric Company. (See Pohl, R., and Reist, assignors.)
 General Electric Company. (See Pollok, Othmar, assignor.)
 General Electric Company. (See Pratt, W. H., and Price, assignors.)
 General Electric Company. (See Prince, David C., assignor.)
 General Electric Company. (See Prindle, Raymond B., assignor.)
 General Electric Company. (See Rankin, William K., assignor.)
 General Electric Company. (See Regnault, René, assignor.)
 General Electric Company. (See Reist, Henry G., assignor.)
 General Electric Company. (See Renner, Michael, assignor.)
 General Electric Company. (See Reufel, H. M. H., de Jong, and Wentink, assignors.)
 General Electric Company. (See Rex, Harold B., assignor.)
 General Electric Company. (See Rice, Chester S., assignor.)
 General Electric Company. (See Rice, Chester W., assignor.)
 General Electric Company. (See Rich, Theodore A., assignor.)
 General Electric Company. (See Riecke, Ernst, assignor.)
 General Electric Company. (See Rivet, André, assignor.)
 General Electric Company. (See Roberson, Frank, assignor.)
 General Electric Company. (See Robinson, Lewis T., assignor.)
 General Electric Company. (See Robinson, L. T., and Sabbah, assignors.)
 General Electric Company. (See Rockefeller, Matthew G., assignor.)
 General Electric Company. (See Rogers, H. W., and Horstkotte, assignors.)
 General Electric Company. (See Rowell, Ralph M., assignor.)
 General Electric Company. (See Ruete, William T., assignor.)
 General Electric Company. (See Ruggles, William A., assignor.)
 General Electric Company. (See Runner, Claude C., assignor.)
 General Electric Company. (See Sabbah, Camil A., assignor.)
 General Electric Company. (See Sabbah, Camille A., assignor.)
 General Electric Company. (See Sargent, Howard R., assignor.)
 General Electric Company. (See Sargent, H. R., and De Reamer, assignors.)
 General Electric Company. (See Savage, Marion A., assignor.)
 General Electric Company. (See Schiebeler, Carl, assignor.)
 General Electric Company. (See Schild, Charles A., assignor.)
 General Electric Company. (See Schlagenhauser, Josef, assignor.)
 General Electric Company. (See Schombourger, L., and Schrage, assignors.)
 General Electric Company. (See Schrage, Hidde K., assignor.)
 General Electric Company. (See Seeley, Harold T., assignor.)
 General Electric Company. (See Seiz, Walter, assignor.)
 General Electric Company. (See Sensui, Nobuo, assignor.)
 General Electric Company. (See Shaw, G. R., and Tellkamp, assignors.)
 General Electric Company. (See Shepherd, Richard, assignor.)
 General Electric Company. (See Shepherd, R., and Daiheimer, assignors.)
 General Electric Company. (See Simmons, Harvey O., assignor.)
 General Electric Company. (See Simonds, Dewey T., assignor.)
 General Electric Company. (See Skaupy, Franz, assignor.)
 General Electric Company. (See Skaupy, F., Hoffmann, and Schmidt, assignors.)
 General Electric Company. (See Smith, Arthur R., assignor.)
 General Electric Company. (See Sohlberg, Erik G., assignor.)
 General Electric Company. (See Stancliff, Ray L., assignor.)

- General Electric Company. (See Standerwick, Reginald G., assignor.)
- General Electric Company. (See Standerwick, R. G., and Pfeiffer, assignors.)
- General Electric Company. (See Stanton, Myles J., assignor.)
- General Electric Company. (See Steele, Williard R., assignor.)
- General Electric Company. (See Steenstrup, Christian, assignor.)
- General Electric Company. (See Stein, Theodor, assignor.)
- General Electric Company. (See Steiner, Oscar, assignor.)
- General Electric Company. (See Steinmetz, Charles P., assignor.)
- General Electric Company. (See Stephens, Howard O., assignor.)
- General Electric Company. (See Stephenson, Hugh M., assignor.)
- General Electric Company. (See Stevenson, Alexander R., Jr., assignor.)
- General Electric Company. (See Summers, Ivan H., assignor.)
- General Electric Company. (See Sywert, Philip T., assignor.)
- General Electric Company. (See Tang, Bernhard G., assignor.)
- General Electric Company. (See Tengström, H., and Bühring, assignors.)
- General Electric Company. (See Testeil, Emile, assignor.)
- General Electric Company. (See Thompson, Harry C., assignor.)
- General Electric Company. (See Thompson, Louis W., assignor.)
- General Electric Company. (See Thomson, Elihu, assignor.)
- General Electric Company. (See Toulon, Pierre M. G., assignor.)
- General Electric Company. (See Townsend, George R., assignor.)
- General Electric Company. (See Traver, Oliver C., assignor.)
- General Electric Company. (See Treanor, Edward D., assignor.)
- General Electric Company. (See Tritle, John F., assignor.)
- General Electric Company. (See Trombetta, Panfilo, assignor.)
- General Electric Company. (See Umansky, Leonid A., assignor.)
- General Electric Company. (See Unger, Magnus, assignor.)
- General Electric Company. (See Valentine, Irving R., assignor.)
- General Electric Company. (See Van Amburg, Otto H., assignor.)
- General Electric Company. (See van der Poel, Johannes M., assignor.)
- General Electric Company. (See Van 'Horn, Irving H., assignor.)
- General Electric Company. (See Van Horn, I. H., and Pipkin, assignors.)
- General Electric Company. (See Vickery, Harry W., assignor.)
- General Electric Company. (See Vogdes, Francis B., assignor.)
- General Electric Company. (See Walle, Ludwig S., assignor.)
- General Electric Company. (See Walsh, James, assignor.)
- General Electric Company. (See Warner, Donald F., assignor.)
- General Electric Company. (See Warner, Russell A., assignor.)
- General Electric Company. (See Watson, Harold L., assignor.)
- General Electric Company. (See Weaver, Arthur B., assignor.)
- General Electric Company. (See Weber, Louis J., assignor.)
- General Electric Company. (See Weed, James M., assignor.)
- General Electric Company. (See Weiler, Wilhelm, assignor.)
- General Electric Company. (See Weinfield, Benjamin S., assignor.)
- General Electric Company. (See Welch, Alfred F., assignor.)
- General Electric Company. (See Welsch, Wilhelm, assignor.)
- General Electric Company. (See West, Harry R., assignor.)
- General Electric Company. (See Whitaker, Frank P., assignor.)
- General Electric Company. (See White, William C., assignor.)
- General Electric Company. (See Whitney, Willis R., assignor.)
- General Electric Company. (See Whyte, Thomas G., assignor.)
- General Electric Company. (See Wilfart, Maurice, assignor.)
- General Electric Company. (See Wilson, C. E., and Huenekopf, assignors.)
- General Electric Company. (See Winter, Fred H., assignor.)
- General Electric Company. (See Wolff, H., Koref, and Skaupy, assignors.)
- General Electric Company. (See Wolff, Walther, assignor.)
- General Electric Company. (See Wood, Alexander P., assignor.)
- General Electric Company. (See Wood, James J., assignor.)
- General Electric Company. (See Young, Charles J., assignor.)
- General Electric Company. (See Zelt, Elmer J., assignor.)
- General Electric Company. (See Zimmerman, Arthur G., assignor.)
- General Electric Company Limited, The. (See Randall, Edgar L., assignor.)
- General Electrical Company. (See Bennett, Ralph S., assignor.)
- General Fire Extinguisher Company. (See Barrows, George S., assignor.)
- General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
- General Fireproofing Company, The. (See Brainard, G. C., Fitch, and Wolters, assignors.)
- General Fireproofing Company, The. (See Fitch, Jason A., assignor.)
- General Fireproofing Company, The. (See Fitch, J. A., and Brainard, assignors.)
- General Fuel Briquette Corporation, The. (See Stillman, Albert L., assignor.)
- General Highways System, Incorporated. (See Johnson, Gordon S., assignor.)
- General Industries Company, The. (See Bonsieur, Le, assignor.)
- General Insulating and Manufacturing Company. (See Mottweiler, O. F., and Drill, assignors.)
- General Laundry Machinery Corporation. (See Bryson, T. A., and McKeon, assignors.)
- General Machine Works. (See Swartz, William H., assignor.)
- General Manifold and Printing Company, The. (See Lewis, Edward Z., assignor.)
- General Motors Corporation. (See Anderson, David E., assignor.)
- General Motors Corporation. (See Anderson, D. E., and Edwards, assignors.)
- General Motors Corporation. (See Anderson, H. S., and Brown, assignors.)
- General Motors Corporation. (See Andrew, James P., assignor.)
- General Motors Corporation. (See Anibal, Benjamin H., assignor.)
- General Motors Corporation. (See Appel, Walter D., assignor.)
- General Motors Corporation. (See Aseltine, Fred E., assignor.)
- General Motors Corporation. (See Benica, Charles W., assignor.)
- General Motors Corporation. (See Beringer, Roscoe, assignor.)
- General Motors Corporation. (See Berlowitz, Max E., assignor.)
- General Motors Corporation. (See Blackmore, Lloyd, assignor.)
- General Motors Corporation. (See Blackmore, L., and McConkey, assignors.)
- General Motors Corporation. (See Boca, Joseph, assignor.)
- General Motors Corporation. (See Burke, Edward F., assignor.)
- General Motors Corporation. (See Chapman, William H., assignor.)
- General Motors Corporation. (See Church, Harold D., assignor.)
- General Motors Corporation. (See Cram, Leroy V., assignor.)
- General Motors Corporation. (See Crane, Henry, M., assignor.)
- General Motors Corporation. (See Cronwall, Carl G., assignor.)
- General Motors Corporation. (See Davis, George C., assignor.)
- General Motors Corporation. (See Denyes, Harry M., assignor.)
- General Motors Corporation. (See De Orlo, Stephen, assignor.)
- General Motors Corporation. (See Doane, Harry C., assignor.)
- General Motors Corporation. (See Dykstra, James, assignor.)
- General Motors Corporation. (See Earl, Harley J., assignor.)
- General Motors Corporation. (See Fisher, Alfred J., assignor.)
- General Motors Corporation. (See Flagg, W. L., Wellock, and Stock, assignors.)
- General Motors Corporation et al. (See Foster, Harry C., assignor.)
- General Motors Corporation. (See Gauthier, William L., assignor.)
- General Motors Corporation. (See Geistert, Albert G., assignor.)
- General Motors Corporation. (See Geistert, A. G., and Schoonmaker, assignors.)

- General Motors Corporation. (See Geyer, Harvey D., assignor.)
 General Motors Corporation. (See Gibbons, Harold R., assignor.)
 General Motors Corporation. (See Glover, Rexford C., assignor.)
 General Motors Corporation. (See Golden, Harry S., assignor.)
 General Motors Corporation. (See Hardesty, Francis D., assignor.)
 General Motors Corporation. (See Harrison, Herbert C., assignor.)
 General Motors Corporation. (See Henny, J. C., and Cramer, assignors.)
 General Motors Corporation. (See Hicks, Harlie H., assignor.)
 General Motors Corporation. (See Hill, Edwin P., assignor.)
 General Motors Corporation. (See Hinger, J. A., Mayer, and Wilson, assignors.)
 General Motors Corporation. (See Hunt, Ormond E., assignor.)
 General Motors Corporation. (See Hunt, O. E., and Geistert, assignors.)
 General Motors Corporation. (See Jack, Robert K., assignor.)
 General Motors Corporation. (See Jerome, B., and Appel, assignors.)
 General Motors Corporation. (See Kellogg, George W., assignor.)
 General Motors Corporation. (See Kennington, William O., assignor.)
 General Motors Corporation. (See Knudsen, William S., assignor.)
 General Motors Corporation. (See Leck, Charles W., assignor.)
 General Motors Corporation. (See Lee, Charles L., assignor.)
 General Motors Corporation. (See Lenz, Arnold, assignor.)
 General Motors Corporation. (See Lewellen, Albert R., assignor.)
 General Motors Corporation. (See Main, Frank L., assignor.)
 General Motors Corporation. (See Martin, William L., assignor.)
 General Motors Corporation. (See Midgley, Thomas, jr., assignor.)
 General Motors Corporation. (See Morgan, Harry, assignor.)
 General Motors Corporation. (See Neale, Fred, assignor.)
 General Motors Corporation. (See Ormsby, Donald D., assignor.)
 General Motors Corporation. (See Porter, Howard K., assignor.)
 General Motors Corporation. (See Ross, C., and MacQuaid, assignors.)
 General Motors Corporation. (See Richard, Eugene C., assignor.)
 General Motors Corporation. (See Ruppel, Frederick C., assignor.)
 General Motors Corporation. (See Scese, John E., assignor.)
 General Motors Corporation. (See Schjolin, Eric O., assignor.)
 General Motors Corporation. (See Schmidt, Frank W., assignor.)
 General Motors Corporation. (See Schwager, Henry A., assignor.)
 General Motors Corporation. (See Seaholm, Ernest W., assignor.)
 General Motors Corporation. (See Seaholm, E. W., and Denyes, assignors.)
 General Motors Corporation. (See Seaholm, E. W., and Earl, assignors.)
 General Motors Corporation. (See Seaholm, E. W., Parker, and Schadt, assignors.)
 General Motors Corporation. (See Smith, W. R., and Wieneke, assignors.)
 General Motors Corporation. (See Spencer, Louis M., assignor.)
 General Motors Corporation. (See Strickland, William R., assignor.)
 General Motors Corporation. (See Taub, Alex, assignor.)
 General Motors Corporation. (See Taylor, Herbert B., assignor.)
 General Motors Corporation. (See Taylor, Paul B., assignor.)
 General Motors Corporation. (See Tenney, Perry L., assignor.)
 General Motors Corporation. (See Whitten, Frank A., assignor.)
 General Motors Corporation. (See Williams, Charles E., assignor.)
 General Motors Corporation. (See Youtz, Merrill A., assignor.)
 General Motors Research Corporation. (See Aseltine, Fred E., assignor.)
 General Motors Research Corporation. (See Asire, Horace W., assignor.)
 General Motors Research Corporation. (See Boegehold, Alfred L., assignor.)
 General Motors Research Corporation. (See Butz, Joseph E., assignor.)
 General Motors Research Corporation. (See Clements, Frank O., assignor.)
 General Motors Research Corporation. (See Hallett, George E. A., assignor.)
 General Motors Research Corporation. (See Hughes, Victor, assignor.)
 General Motors Research Corporation. (See Hunt, John H., assignor.)
 General Motors Research Corporation. (See Jacobs, James M. H., assignor.)
 General Motors Research Corporation. (See Kettering, Charles F., assignor.)
 General Motors Research Corporation. (See Lee, Charles L., assignor.)
 General Motors Research Corporation. (See Lee, Roger K., assignor.)
 General Motors Research Corporation. (See Pearson, Frank C., assignor.)
 General Motors Research Corporation. (See Short, Charles R., assignor.)
 General Motors Research Corporation. (See Short, C. R., and Hughes, assignors.)
 General Motors Research Corporation. (See Summers, Caleb E., assignor.)
 General Motors Research Corporation. (See Summers, C. E., and Lee, assignors.)
 General Motors Research Corporation. (See Wallace, Hugh, assignor.)
 General Motors Research Corporation. (See Williams, Harry M., assignor.)
 General Norit Company, Limited. (See Lourens, Cornelis, assignor.)
 General Optical Company. (See Clement, H., and Barron, assignors.)
 General Optical Co. (See Clement, H., and Ryer, assignors.)
 General Optical Company. (See Gamble, William C., assignor.)
 General Ordnance Corporation. (See Caulkins, Cecil P., assignor.)
 General Petroleum Corporation. (See Sperry, R. A., Dickey, and Zublin, assignors.)
 General Petroleum Corporation of California. (See Olsen, George F., assignor.)
 General Petroleum Corporation of California. (See Roth, Ernest W., assignor.)
 General Railway Signal Company. (See Bushnell, Charles S., assignor.)
 General Railway Signal Company. (See Carter, Paul E., assignor.)
 General Railway Signal Company. (See Day, Salisbury M., assignor.)
 General Railway Signal Company. (See Estwick, Charles F., assignor.)
 General Railway Signal Company. (See Henry, William S., assignor.)
 General Railway Signal Company. (See Howe, Winthrop K., assignor.)
 General Railway Signal Company. (See Howe, W. K., and Bushnell, assignors.)
 General Railway Signal Company. (See Larry, Edwin C., assignor.)
 General Railway Signal Company. (See Leake, Richard C., assignor.)
 General Railway Signal Company. (See Lindner, John C., assignor.)
 General Railway Signal Company. (See Loftin, Edward H., assignor.)
 General Railway Signal Company. (See Ober, Hermon P., assignor.)
 General Railway Signal Company. (See Prescott, Charles W., assignor.)
 General Railway Signal Company. (See Preston, Neil D., assignor.)
 General Railway Signal Company. (See Reichard, Wade H., assignor.)
 General Railway Signal Company. (See Ross, Oscar A., assignor.)
 General Railway Signal Company. (See Taylor, Herbert B., assignor.)
 General Railway Signal Company. (See Vallee, Armand J., assignor.)
 General Railway Signal Company. (See Wenholz, Walter W., assignor.)
 General Reduction Corporation. (See Smith, William H., assignor.)
 General Rubber Company. (See Hopkinson, Russell, assignor.)
 General Rubber Company. (See Rose, Reed P., assignor.)
 General Rubber Company. (See Smith, Omar H., assignor.)
 General Signal Company. (See Wenholz, Walter W., assignor.)
 General Steel Wares Limited. (See Corrigan, Frederick S., assignor.)
 General Tire and Rubber Company, The. (See Denmire, Harold A., assignor.)
 General Tire & Rubber Company, The. (See Iredell, Robert, assignor.)
 General Tire & Rubber Company, The. (See Jahant, Charles J., assignor.)
 General Tire & Rubber Company, The. (See Remark, Isidore J., assignor.)
 General Utilities Company. (See Huntington, E. S., and Higinbotham, assignors.)
 General Zeolite Company. (See Green, Walter H., assignor.)

- General Zeolite Company. (See Schreier, Arthur, assignor.)
- General Zeolite Company. (See Stein, Milton F., assignor.)
- Genese, David, deceased, by N. Genese, administrator, assignor of one-half to W. H. Orem, Baltimore, Md. Treatment of paper. 1,690,631; Nov. 6.
- Genese, David, deceased, by N. Genese, administrator, assignor of one-half to W. H. Orem, Baltimore, Md. Bottle cap. 1,690,781; Nov. 6.
- Genese, Norvis, administrator. (See Genese, David.)
- Genesee Carburetor Company. (See Rayfield, Charles L., assignor.)
- Genest, Lucien, Montreal, Quebec, Canada. Tickets holder. 1,665,057; Apr. 3.
- Genest, Werner, Berlin-Lichterfelde, Germany. Stock-recording apparatus. 1,654,969; Jan. 3.
- Genest, Werner, Berlin-Lichterfelde, Germany, assignor to The Korfund Company, Inc., New York, N. Y. Plate for deadening vibration and sound. 1,661,422; Mar. 6.
- Geneva Heater Company. (See Lyons, Harry J., assignor.)
- Genjack, Conrad, Vancouver, British Columbia, Canada. Can-opening device. 1,675,647; July 3.
- Gennoy, John P., Oakland, Calif. Mail-box switch. 1,654,643; Jan. 3.
- Gensecke, Wilhelm, Bad Homburg, Germany, assignor to American Lurgi Corporation, New York, N. Y. Purifying oils and fats. 1,685,195; Sept. 25.
- Gensmer, Theodore, Portland, Oreg. Hydraulic jack. 1,680,536; Aug. 14.
- Gensmer, Theodore, Portland, Oreg. Two-speed and reversing clutch. 1,689,200; Oct. 30.
- Gent, Edgar W., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-transmission system. 1,690,224; Nov. 6.
- Genter, Albert L., Salt Lake City, Utah, assignor to United Filters Corporation, New York, N. Y. Scraper for rotary filters. 1,678,639; July 31.
- Gentile, Domenico, Rome, N. Y. Automotive appliance. 1,666,492; Apr. 17.
- Gentile, Frank, Brooklyn, N. Y. Radiator ornament. Des. 76,132; Aug. 21.
- Gentile, Scipio S., Vicksburg, Miss. Fuel mixer. 1,671,897; May 29.
- Gentner, Anna M., Lowell, Fla. Combined ladder and wheelbarrow. 1,672,717; June 5.
- Gentry, Jesse T., Los Angeles, Calif. Music-sheet turner. 1,656,273; Jan. 17.
- Gentslinger, George, Wapakoneta, Ohio. Grain-drying device. 1,660,555; Feb. 28.
- Genuine Bronze Fixture Co. Inc. (See Sobel, Joseph, assignor.)
- Genung, Gilbert, Chicago, assignor to J. M. Humiston, Berwyn, Ill. Earth-boring machine. 1,663,833; Mar. 27.
- Geoffroy, Clara B. Y., River Point, R. I. Chair. Des. 76,927; Nov. 20.
- Geoghegan, George E., Lawrence, Mass. Shuttle-checking mechanism for looms. 1,666,620; Apr. 17.
- Geohring, Louis J., Wishek, N. Dak. Automatic gate-controlling device. 1,690,972; Nov. 6.
- Geometric Tool Co., The. (See Breitenstein, Albert F., assignor.)
- George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Friction drive means. 1,696,476; Dec. 25.
- George, Edgar C., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Core for electrical apparatus. 1,685,742; Sept. 25.
- George, Enoch, jr. (See Regan, W. J., and George.)
- George, Enoch, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,667,825; Jan. 31.
- George, Enoch, jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,678,774; July 31.
- George, Harry F., Chicago, Ill. Transmission lock. 1,673,908; June 19.
- George, Harvey, St. Louis, Mo. Brake rigging for railway trucks. 1,661,471; Mar. 6.
- George, Henri, Paris, France, assignor, by mesne assignments, to Hanovia Chemical & Manufacturing Company, Newark, N. J. Increasing the emission in the ultraviolet region from mercury-vapor lamps. 1,671,109; May 29.
- George, Herman A., Superior, Wis. Optical lens grinding and surfacing machine. 1,671,027; May 22.
- George, James H., Orange, N. J. Metallic barrel. 1,696,112; Dec. 18.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for cooling metal rods or bars. 1,672,061; June 5.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Rolling mill. 1,690,193; Nov. 6.
- George, Jerome R., and E. J. Quinn, assignors to Morgan Construction Company, Worcester, Mass. Journal lubricator. 1,686,271; Oct. 2.
- George, Louis, New York, N. Y. Rotary steam engine. 1,689,777; Oct. 30.
- George, Margaret E. B., Indianapolis, Ind. Gift-presenting casing. 1,673,144; June 12.
- George, Ross F., Seattle, Wash. Pen clamp and reservoir. 1,683,030; Sept. 4.
- Georgelis, James H., Allston, Mass. Sole and heel trimming machine. 1,687,437; Oct. 9.
- Georgius, Henry C., Manning, Iowa. Runner attachment for farm implements. 1,695,710; Dec. 18.
- Gephart, Frank S., Dover, Ohio. Portable grinding and polishing machine. 1,673,909; June 19.
- Gerace, Giuseppe, and J. W. Weaver, Lebanon, Pa. Batter-measuring machine. 1,662,969; Mar. 20.
- Geraldson, Gerald, Philadelphia, Pa., assignor to S. L. Allen & Co., Inc. Cultivator. 1,668,067; May 1.
- Gérard, Auguste L. J., Paris, France. Automatic fastening device. 1,692,295; Nov. 20.
- Gerard, Charles S., Long Beach, Calif. Clothes hanger. 1,692,084; Nov. 20.
- Gerard, Shelby L., Sparta, Ill. Extension light clamp. 1,669,747; May 15.
- Gerber, Arthur B. (See Booth, C. F., Gerber, and Logue.)
- Gerber, David, Baltimore, Md. Edible container. Des. 76,675; Oct. 23.
- Gerber, David, Baltimore, Md. Ice-cream cone. Des. 76,676; Oct. 23.
- Gerber, David, Baltimore, Md. Ice-cream cone. Des. 76,677; Oct. 23.
- Gerber, David, Baltimore, Md. Ice-cream cone. Des. 76,678; Oct. 23.
- Gerber, David, Baltimore, Md. Ice-cream cone. Des. 76,679; Oct. 23.
- Gerber, David, Baltimore, Md. Ice-cream cone. Des. 76,680; Oct. 23.
- Gerber, Wilhelm, Krefeld, Germany, assignor to the firm Maschinenfabrik Tillm Gerber Söhne & Gebr. Wansleben, Krefeld. Partition means for fluid containers, particularly for dyeing machines and the like. 1,669,333; May 8.
- Gerberich, Clarence E., assignor, by mesne assignments, to Lyon Metal Products, Incorporated, Aurora, Ill. Shelving. 1,689,481; Oct. 30.
- Gericich, Frederick A., assignor to Hammer Bray Company, Oakland, Calif. Gas-kindling-burner installation. 1,690,290; Nov. 6.
- Gerdeman, Frank H., Finlay, Ohio. Agricultural implement. 1,659,685; Feb. 21.
- Gerdes, Franz, Essen-Ruhr, Germany. Automatic crane grab. 1,673,237; June 12.
- Gerdes, Henry T., Lebanon, Pa., assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Forge. 1,673,561; June 12.
- Gerdes, Henry T., Lebanon, Pa., and W. C. Elze, Woodhaven, assignors to Hauck Manufacturing Company, Brooklyn, N. Y. Portable low-pressure oil-burning forge. 1,673,558; June 12.
- Gerdes, Theodore R. N., New York, N. Y. Ventilating hood for ranges, etc. 1,671,524; May 29.
- Gerdien, Hans, Berlin-Grunewald, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin. Making asbestos bodies. 1,670,659; May 22.
- Gerges, Wesley R., Philadelphia, Pa., assignor to The Barrett Company. Producing resin by polymerization. 1,679,214; July 31.
- Gerhard, Paul E., assignor to Lebanon Steel Foundry, Lebanon, Pa. Flangeway and rail guard for highway crossings of railroads. 1,659,730; Feb. 21.
- Gerhard, Paul E., assignor to Lebanon Steel Foundry, Lebanon, Pa. Flangeway and railway-rail guard structure. 1,672,023; June 5.
- Gerhardt, John M., Charleston, Ill. Vehicle platform. 1,673,671; June 12.
- Gerhardt, Oscar. (See Meyer, El. P., Ter Meulen, and Gerhardt.)
- Gérin, Jacques, Paris, France. Body carriage for motor cars. Des. 74,498; Feb. 21.
- Gerlach, Charles W., assignor, by mesne assignments, to Chicago Mill and Lumber Corporation, Chicago, Ill. Packing case. 1,694,973; Dec. 11.
- Gerlach, Erwin, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Acoustic device. 1,667,149; Apr. 24.
- Gerlach, Oscar, Peru, and N. Ostman, assignors to Matthiessen & Hegeler Zinc Co., La Salle, Ill. Reducing the cadmium content of zinc ore. 1,691,714; Nov. 13.
- Gerland, Frederick J. M., assignor to Walker Engraving Co., New York, N. Y. High-light process for photo-engraving. 1,670,195; May 15.
- Gerling, Ernst, Ohligs-Solingen, Germany. Apparatus for assembling knives. 1,687,978; Oct. 16.
- Gerlinger, Lawrence C., Seattle, Wash. Valve. 1,696,396; Dec. 25.
- Germain, Herman. (See Karpe, Jacob, assignor.)
- Germain, Philip, jr., New York, N. Y. Display stand. 1,695,893; Dec. 18.
- Germer, Edward, Erie, Pa. Stove. 1,656,055; Jan. 10.
- Germer, Edward G., Erie, Pa. Stove. 1,656,516; Jan. 17.
- Germer, Edward G., Erie, Pa. Stove. 1,681,476; Aug. 21.
- Germer, Edward G., E. G. Walbridge, and J. M. Wysocki, Erie, Pa.; said Walbridge and Wysocki assignors to said Germer. Molding machine. 1,666,963; Apr. 24.
- Germond, Henry S., jr. (See Green, Harold, assignor.)
- Germond, Henry S., jr., Bayonne, N. J. Elevating truck. 1,662,604; Mar. 13.
- Germond, Henry S., jr., Bayonne, N. J. Elevating apparatus. 1,690,107; Nov. 6.

- Germond, Henry S., jr., Bayonne, N. J., and H. Green, Yonkers, N. Y., assignors to said Green. Portable elevator. 1,683,457; Sept. 4.
- Gernandt, John W., San Diego, Calif. Combined vacuum cleaner and polisher. 1,688,580; Oct. 23.
- Gernandt Motor Corporation. (See Leonard, Howard M., assignor.)
- Gerns, William H., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound reproducer. 1,685,050; Sept. 18.
- Gernsback, Hugo, New York, N. Y. Switch. 1,695,957; Dec. 18.
- Gero, Victor, assignor to Pennsylvania Axminster Carpet Corp., Philadelphia, Pa. Axminster loom. 1,672,609; June 5.
- Gero, William B., East Orange, N. J., assignor to Westinghouse Lamp Company. Refractory material and the activation thereof. 1,663,547; Mar. 27.
- Gero, William B., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Fabrication of metallic thorium. 1,685,915; Oct. 2.
- Gero, William B., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Seal for hard glass. 1,691,436; Nov. 13.
- Gerrard, Alec J. (See Cranston, Albert E., assignor.)
- Gerrard, Alec J. (See Wright, Parvin, assignor.)
- Gerrard, Alec J., and P. Wright, Chicago, Ill.; said Wright assignor to said Gerrard. Wire-tying machine. 1,669,047; May 8.
- Gerrard, Alec J., and P. Wright, Chicago, Ill.; said Wright assignor to said Gerrard. Automatic wire tensioning and tying machine. 1,669,048; May 8.
- Gerrard Company, The. (See McChesney, John S., assignor.)
- Gerrard Company, The. (See Rychlewski, Frank, assignor.)
- Gerrard Company, The. (See Weeks, Charles S., assignor.)
- Gerrard Company, The. (See Wood, George, assignor.)
- Gerrard, Henry R., Toronto, Ontario, Canada. Indicator for street-railway cars. 1,671,190; May 29.
- Gerrish, Lloyd E., Kittery, Me. Toy. 1,676,035; July 3.
- Gershon, Victor P. (See Grosvenor, W. M., and Gershon.)
- Gersman, Harvey M., Buffalo, and W. H. Klocks, New York, N. Y., assignors to Kalman Steel Company, Inc., Chicago, Ill. Slitting roll of machines for forming expanded metal. 1,665,349; Apr. 10.
- Gersman, Harvey M., Chicago, Ill. Production of expanded trussed beams. 1,681,400; Aug. 21.
- Gerson, Max A., Jersey City, N. J. Clock. 1,659,256; Feb. 14.
- Gerstenberger, Albin. (See Möller, F., Moritz, and Gerstenberger.)
- Gerth, Felix, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Modulating system. 1,665,350; Apr. 10.
- Geruldsen, Hjalmar. (See Armstrong, H. W., and Geruldsen.)
- Gervais, Donat, Stockholm, Me. Safety gate for pulp vats. 1,656,944; Jan. 24.
- Gervasio, Michael, Buffalo, N. Y. Railroad switch. 1,661,040; Feb. 28.
- Geschickter, Charles F., Washington, D. C. Door, sash, and screen. 1,665,024; Apr. 3.
- Geschke, Johannes, Berlin, Germany, assignor to General Electric Company. Magnet wheel. 1,677,030; July 10.
- Gesellschaft fuer Elektrische Apparate mit beschränkter Haftung. (See Illauer, Johann W. G., assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, Otto, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ewald, Wolfgang F., assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Meissner, Alexander, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, M., and Kummich, assignors.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Titz, Paul, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Georg, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Arco, Schaffer, and Moser, assignors.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Brock, Otto, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See von Korshenewski, Nicolai, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wurst, Walter, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Zenkner, Arthur, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Böhm, Otto, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches. (See Fleischmann, Lionel, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. Hallesches. (See Kummichen, Richard, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Lock, Michael, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Mayer, Emil, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Schaffer, Walter, assignor.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. Ufer. (See Heegner, Kurt, assignor.)
- Gesellschaft für Kapitalwerte. (See Saaler, Otto, assignor.)
- Gesford, Frank L., Alturas, Calif. Rest attachment for saxophones. 1,691,515; Nov. 13.
- Geske, Carl, assignor to Winters & Crampton Manufacturing Company, Grand Rapids, Mich. Hinge. 1,692,032; Nov. 20.
- Gess, Otto, Brooklyn, N. Y. Liquid heater. 1,681,334; Aug. 21.
- Gessner, George L., Toledo, Ohio. Coffeepot. 1,663,162; Mar. 20.
- Gessner, Joseph J., assignor of one-third to T. Waters, one-third to L. M. Gessner, and one-third to J. R. Scohy, Okmulgee, Okla. Furnace for annealing and flattening glass. 1,660,157; Feb. 21.
- Gessner, Lula M., et al. (See Gessner, Joseph J., assignor.)
- Gestetner, D., Limited. (See Gestetner, David, assignor.)
- Gestetner, David, assignor to D. Gestetner Limited, London, England. Duplicating. 1,664,675; Apr. 3.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,656,703; Jan. 17.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Thermostatic overload switch. 1,677,334; July 17.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Automatic electric switch. 1,677,335; July 17.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Motor-starting switch. 1,678,336; July 24.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Latch for electric switch boxes. 1,681,850; Aug. 21.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Resettable relay. 1,681,851; Aug. 21.
- Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,687,199; Oct. 9.
- Getchell, Benjamin E., assignor to Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,695,958; Dec. 18.
- Getchell, Charles K., Schenectady, N. Y. Compound locomotive engine. 1,672,381; June 5.
- Getchell, Charles K., Schenectady, N. Y. Truck radius bar for locomotives. 1,676,259; July 10.
- Getches, Raymond N., Glen Ridge, N. J. Engraving process. 1,659,949; Feb. 21.
- Getly and Scott Limited. (See Bell, George W., assignor.)
- Getsey, George F., et al. (See Groh, Robert C., assignor.)
- Gettelman, Frederic, Milwaukee, Wis. Snow-removing apparatus. 1,654,685; Jan. 3.
- Getty and Scott Limited, Messrs. (See Bell, George W., assignor.)
- Getz, Alphonse E., Peoria, Ill. Cooling brickwork of furnaces. 1,665,205; Apr. 10.
- Getz, Benjamin E., Morton, assignor, by mesne assignments, of one-half to Getz Power Washer Co., Morton, Ill., and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing machine. 1,665,922; Apr. 10.
- Getz, Benjamin E., assignor, by mesne assignments, of one-half to Getz Power Washer Co., Morton, Ill., and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing machine. 1,669,514; May 15.
- Getz, Benjamin E., assignor of one-half to Getz Power Washer Co., Morton, Ill., and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing machine. 1,682,500; Aug. 28.
- Getz, Benjamin E., assignor, by mesne assignments, of one-half to Getz Power Washer Co., Morton, Ill., and one-half to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing machine. 1,686,657; Oct. 9.
- Getz, Phares A., Portland, Oreg. Check-fold spreader. 1,687,438; Oct. 9.
- Getz Power Washer Co. et al. (See Getz, Benjamin E., assignor.)
- Geuer, Karl, Bad Oeynhausen, Germany. Body tipping wagon. 1,686,409; Oct. 2.
- Geuring, Bernard A., and L. H., East Cleveland, Ohio. Gas burner. 1,663,339; Mar. 20.
- Geurlink, Louis H. (See Geurlink, Bernard A. and L. H.)
- Geyer, Bertram E., Oakwood, Ohio. Display stand. Des. 76,297; Sept. 11.
- Geyer, Harvey D. (See Scott, A. W., and Geyer.)
- Geyer, Harvey D., Dayton, Ohio. Steering wheel with spark and throttle control. 1,673,870; June 19.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,661,220; Mar. 6.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Ice-cream-cabinet lid. 1,664,545; Apr. 3.
- Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Automobile curtain window. 1,672,207; June 5.

- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Horn-button mounting for steering wheels. 1,676,487; July 10.
- Geyer, Harvey D., assignor to Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,676,488; July 10.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,676,489; July 10.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Spring shackle. 1,676,490; July 10.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Heat-insulating lid. 1,679,419; Aug. 7.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,683,344; Sept. 4.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Ice-cream-cabinet lid and manufacturing the same. 1,683,345; Sept. 4.
- Geyer, Harvey D., assignor to The Inland Manufacturing Company, Dayton, Ohio. Oscillating joint. 1,693,981; Dec. 4.
- Geyer, Harvey D., and V. E. Clark, assignors to Dayton-Wright Company, Dayton, Ohio. Elastic motor mounting for vehicles. 1,664,662; Apr. 3.
- Geyer, John L., et al., trustees. (See Fisher, W. Reuen, assignor.)
- Geyer, John, and J. Switzer, Michigan City, Ind. Direction-indicating switch mechanism. 1,683,970; Sept. 11.
- Ghetia, Nichitu V., and P. Dettorre, Cleveland, Ohio. Hair clipper. 1,656,626; Jan. 17.
- Ghislin, Walter V., et al. (See Fullenlove, McClellan C., assignor.)
- Ghormley, Joseph M., Toronto, Ontario, Canada, assignor to Brandes Laboratories, Inc., Newark, N. J. Radio-cabinet. Des. 74,424; Feb. 14.
- Ghrst, David M., Glendale, Calif. Sinus head clamp. 1,688,382; Oct. 23.
- Glampeter, Felix, Cleveland, Ohio. Tool holder. 1,659,257; Feb. 14.
- Giangrasso, Salvatore, Portland, Me. Fire alarm. 1,665,956; Apr. 10.
- Giannini, John A., Philadelphia, Pa. Lamp. Des. 75,234; May 22.
- Gibb Welding Machines Company. (See Brueckner, J. R., and Clark, assignors.)
- Gibbons, Arthur J., Indianapolis, Ind. Electric water heater. 1,670,032; May 15.
- Gibbons Brothers Limited. (See Moore, B. J., and Campbell, assignors.)
- Gibbons, Forrest H., Russell, N. Y. Valve-stem attachment. 1,667,594; Apr. 24.
- Gibbons, Harold R., Chatham, N. J., assignor to General Motors Corporation, Detroit, Mich. Cage for anti-friction bearings. 1,668,112; May 1.
- Gibbons, John R., Pleasant Ridge, Mich. Door-operating mechanism. 1,663,196; Mar. 20.
- Gibbons, Scott W. (See Jeffries, W. J., and Gibbons.)
- Gibbons, Willis A. (See Hopkinson, E., and Gibbons.)
- Gibbons, Willis A., Gratiot Neck, and J. McGavack, Jackson Heights, assignors to United States Rubber Plantations, Incorporated, New York, N. Y. Treating latex and the products obtained therefrom. 1,673,672; June 12.
- Gibbs, Benedict T., jr., Chicago Heights, assignor to Morden Frog & Crossing Works, Chicago, Ill. Railroad-frog protector. 1,654,872; Jan. 3.
- Gibbs, Benjamin. (See Morton, Joseph A., assignor.)
- Gibbs, Elmer W., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Top. 1,695,486; Dec. 18.
- Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Seat frame. 1,665,351; Apr. 10.
- Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Seat back. 1,665,352; Apr. 10.
- Gibbs, Jesse B., and G. A. Burr, Wilkesburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Current transformer. 1,669,515; May 15.
- Gibbs, John H. (See Clifford, P. J., Gibbs, and Lynch.)
- Gibbs Manufacturing Company, The. (See Gibbs, Elmer W., assignor.)
- Gibbs, Oscar D., Webster, N. Y., assignor of one-fourth to Sweeney and Boland. Knockdown fruit crate and packing it. 1,672,453; June 5.
- Gibbs, Walter A., Holly Oak, Del. Animal trap. 1,659,465; Feb. 14.
- Gibbs, Walter A., Holly Oak, Del. Animal trap. 1,682,612; Aug. 28.
- Gibbs, William E., East Orange, N. J. Cone speaker. 1,683,178; Sept. 4.
- Giberson, Thomas, Caribou, Me. Potato digger. 1,685,230; Sept. 25.
- Gibian, Eric H. (See Gunther, L., and Gibian.)
- Gibian, Eric H. (See Sohn, F., Marmion, and Gibian.)
- Gibian, Eric H., Chicago, Ill., assignor to The Vitrolite Company. Tile or article of similar nature. Des. 75,790; July 17.
- Gibian, Eric H., Chicago, Ill., assignor to The Vitrolite Company. Tile or article of similar nature. Des. 75,791; July 17.
- Gibian, Eric H., Chicago, Ill., assignor to The Vitrolite Company, Parkersburg, W. Va. Frameless counter or the like. 1,669,195; May 8.
- Gibson, Albert E., Springfield, Pa., assignor to The Dentists' Supply Company. Machine for applying solder to pins. 1,688,490; Oct. 23.
- Gibson, Angus H., assignor, by mesme assignments, to W. H. Penner, Salt Lake City, Utah. Jar-handling device. 1,659,599; Feb. 21.
- Gibson, Angus H., assignor to American Radio Products Company, Salt Lake City, Utah. Sound-reproducing amplifier. 1,673,768; June 12.
- Gibson, Calder C., Buffalo, N. Y. Sealing press. 1,676,017; July 3.
- Gibson, Calder C., Buffalo, N. Y. Seal press. 1,679,029; July 31.
- Gibson, Clark A., assignor to Sta-Rite Hair Pin Company, Shelbyville, Ill. Hair clasp and producing the same. 1,666,133; Apr. 17.
- Gibson, Ezra B., assignor of one-half to J. M. and A. M. Wardell, Cadillac, Mich. Spot and turn light. 1,655,900; Jan. 10.
- Gibson, Francis W., West Roxbury, Mass., assignor to The H. D. Beach Company, Coshocton, Ohio. Display stand. 1,676,216; July 3.
- Gibson, Francis W., West Roxbury, Mass., assignor to The H. D. Beach Company, Coshocton, Ohio. Table. 1,676,217; July 3.
- Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Method of and apparatus for heating and deaerating water. 1,667,850; May 1.
- Gibson, George H., Upper Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Apparatus for heating water. 1,671,110; May 29.
- Gibson, George H., Montclair, assignor to Cochrane Corporation, Philadelphia, Pa. Heating, deaerating, and evaporating water. 1,677,890; July 24.
- Gibson, Guy T., Inc. (See Gibson, Guy T., assignor.)
- Gibson, Guy T., New Rochelle, assignor to Guy T. Gibson Inc., New York, N. Y. Toilet-powder box. Des. 74,600; Mar. 6.
- Gibson, Helen M., et al. (See Gibson, Howard S., assignor.)
- Gibson, Howard S., assignor of one-fourth to D. F. Asbury and three-fourths to H. M. Gibson, Washington, D. C. Vehicle washing machine. 1,682,902; Sept. 4.
- Gibson, Hugo C., Philadelphia, Pa. Life preserver. 1,670,887; May 22.
- Gibson, Hugo C., Philadelphia, Pa. Resilient wheel. 1,684,219; Sept. 11.
- Gibson, Incorporated. (See Altermatt, George, assignor.)
- Gibson, James P., Denver, Colo. Collapsible trestle. 1,685,283; Sept. 25.
- Gibson, James R., Brooklyn, and T. M. Avery, Glens Falls, assignors to Union Bag and Paper Corporation, New York (N. Y. Shopping bag. 1,696,085; Dec. 18.
- Gibson, Jefferson C., Chicago, Ill. Oil burner. 1,663,045; Mar. 20.
- Gibson, John L., Brooklyn, N. Y. Check valve. 1,684,220; Sept. 11.
- Gibson, Joseph F., York, Pa., assignor to The Dentists' Supply Company. Display tray for artificial teeth and other objects. 1,655,183; Jan. 3.
- Gibson, Louis M., Niangua, Mo. Ratchet wrench. 1,678,903; July 31.
- Gibson, Samuel H., assignor to The Fanner Mfg. Co., Cleveland, Ohio. Metal-bending machine. 1,684,794; Sept. 18.
- Gibson, Stephen A., Hereford, Ariz. Motor vehicle. 1,682,782; Sept. 4.
- Gibson, Virgil L., Salem, Oreg. Drawbar shift for tractors. 1,665,133; Apr. 3.
- Gibson, William A., assignor to Bradley Pulverizer Company, Allentown, Pa. Adjustable plow for centrifugal grinding mills. 1,655,499; Jan. 10.
- Gibson, William A., and J. G. Burke, assignor to Bradley Pulverizer Company, Allentown, Pa. Centrifugal grinding mill. 1,663,881; Mar. 27.
- Gibson, William H., Los Angeles, Calif. Support for ink-stands and the like. Des. 76,531; Oct. 9.
- Gibson, William L., Camden, N. J. Device for handling containers. 1,683,772; Sept. 11.
- Gidley, Columbus M. (See Taylor, W. A., and Gidley.)
- Giebe, Erich, and A. Scheibe, Berlin, Germany. Method of and apparatus for rendering visible oscillations of piezo-electrical crystals. 1,685,810; Oct. 2.
- Giebel, August J., Detroit, Mich. Light-dimmer switch. 1,656,627; Jan. 17.
- Giebeler, Charles H., Plainfield, N. J. Thread moistener. 1,678,697; July 31.
- Gies, Frank G., assignor to Our Sales and Service Company, Detroit, Mich. Washing machine. 1,668,843; May 8.
- Gies, Frank G., assignor to Our Sales and Service Company, Detroit, Mich. Washing machine. 1,671,637; May 29.
- Gies, Frank G., assignor of one-half to L. Leszczynski, Detroit, Mich. Washing machine. 1,695,279; Dec. 18.
- Giese, Irving W., Chicago, Ill. Music rack. 1,682,122; Aug. 28.
- Giese, Karl. (See Böhm, K., and Giese.)
- Giese, Richard S., Sewickley Heights Township, Allegheny County, Pa. Glass goblet. Des. 75,159; May 15.

- Giese, Richard S., Sewickley Heights Township, Allegheny County, Pa. Glass tumbler. Des. 75,836; July 24.
- Giesecke, Fritz, Hamm, Germany. Apparatus for annealing metal. 1,674,431; June 19.
- Giesecke, Hermann. (See Giesecke, Julius and H.)
- Giesecke, Julius and H., Leipzig-Leutzsch, Germany. Apparatus for feeding paper sheets. 1,695,648; Dec. 18.
- Giesecke, Julius and H., Leipzig-Leutzsch, Germany. Apparatus for feeding paper sheets. 1,695,649; Dec. 18.
- Giesecke, William E., assignor to Charles T. Wilson Company, Inc., New York, N. Y. Nut-cracking machine. 1,663,980; Mar. 27.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 1,668,896; May 8.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Automatic temperature regulator. 1,671,525; May 29.
- Giesler, Jean V., assignor, by mesne assignments, to The Fulton Sylphon Company, Knoxville, Tenn. Thermostatically-controlled valve unit. 1,675,341; July 3.
- Gissel, Henry, Company. (See Hansen, Harold N., assignor.)
- Gletz, August, Rochester, N. Y. Interlocking flexible shingle. 1,656,434; Jan. 17.
- Gifford, Albert J., Shrewsbury, and B. S. T. Bishop, assignors to Leland-Gifford Company, Worcester, Mass. Machine for milling crank-shaft pins. 1,677,761; July 17.
- Giglio, Ernest, Union City, N. J. Eyeglass frame. Des. 74,365; Feb. 7.
- Giguère, Joseph C., Montreal, Quebec, Canada. Ventilator. 1,691,239; Nov. 13.
- Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
- Gilbert, A. C., Company. (See Noble, Kenneth B., assignor.)
- Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Casing for fruit-juice extractor. Des. 75,682; July 3.
- Gilbert, Alfred C., Hamden, assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Toy building element. Des. 76,792; Nov. 6.
- Gilbert, Alfred C., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy machine frame. Des. 77,150; Dec. 11.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Vibrator. 1,668,364; May 1.
- Gilbert, Alfred C., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Towel bar. 1,677,280; July 17.
- Gilbert, Alfred C., assignor, by mesne assignments, to The A. C. Gilbert Company, New Haven, Conn. Electric heater. 1,677,281; July 17.
- Gilbert, Arthur, and J. Smith, Lumsden, Saskatchewan, Canada. Welding clamp. 1,670,253; May 15.
- Gilbert, B. F. (See Forseth, Albert J., assignor.)
- Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
- Gilbert, Benjamin F., Fort Worth, Tex. Hemstitcher. 1,681,228; Aug. 21.
- Gilbert Bindometer Corporation. (See Gilbert, Max, assignor.)
- Gilbert, Charles F., St. Louis, Mo. Drain. 1,681,981; Aug. 28.
- Gilbert, Clarence E., Aberdeen, S. Dak. Scarifier tooth. 1,685,196; Sept. 25.
- Gilbert, Ernest H. (See Coburn, W. H., and Kiernan, assignors.)
- Gilbert, Ernest M., London, England. Cigarette carton. 1,674,775; June 26.
- Gilbert, George N., Pana, Ill. Tooth-cleaning implement. 1,661,472; Mar. 6.
- Gilbert, Harold K., Garner, Iowa. Turf cutter. 1,658,892; Feb. 14.
- Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Making sheet-metal pulleys. 1,680,985; Aug. 14.
- Gilbert, Henry J., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Split pulley. 1,682,559; Aug. 28.
- Gilbert, Israel B., Cincinnati, Ohio. Check valve. 1,679,898; Aug. 7.
- Gilbert, James G. (See Grant, Patrick M., assignor.)
- Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,678,184; July 24.
- Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,689,020; Oct. 23.
- Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical pilotage. 1,696,230; Dec. 25.
- Gilbert, Max, Bronx, assignor to Gilbert Bindometer Corporation, Brooklyn, N. Y. Measuring device. 1,679,157; July 31.
- Gilbert, Ralph H. (See Brininger, S., and Gilbert.)
- Gilbert, Sidney C., Jackson, Ohio. Bottle-handling means. 1,665,025; Apr. 3.
- Gilbert, William H., et al. (See White, William J., assignor.)
- Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,655,500; Jan. 10.
- Gilbert, William N., Hudson Heights, N. J., assignor to Dayton Scale Company, Dayton, Ohio. Pendulum scale. 1,661,534; Mar. 6.
- Gilbertson, Ansel P., Wausau, Wis. Vending machine. 1,664,546; Apr. 3.
- Gilbreath, Frederick E., and W. E. Wing, Luray, Kans.; said Gilbreath assignor to said Wing. Testing machine for inflatable tubes. 1,659,972; Feb. 21.
- Gilburg, Roy O., assignor to Marathon Electric Mfg. Co., Wausau, Wis. Motor-assembling fixture. 1,677,762; July 17.
- Gil-Camporro, Enrique. (See Casanovas, R. C. V. D., Schwartz, and Gil-Camporro.)
- Gilchrest, George I., Derry, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,664,208; Mar. 27.
- Gilchrest, George I., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,693,380; Nov. 27.
- Gilchrest, George I., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,693,381; Nov. 27.
- Gilchrist, Clarence F., and H. R. Patterson, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Combined timer and distributor. 1,676,185; July 3.
- Gilchrist Company, The. (See Mook, Charles O., assignor.)
- Gilchrist, Dan H. (See Hill, Thomas, assignor.)
- Gilchrist, David H. (See Musil, J., and Gilchrist.)
- Gilchrist, William A., New York, N. Y. Furnace. 1,664,029; Mar. 27.
- Gilchrist, William A., New York, N. Y. Steam-boiler furnace. 1,665,923; Apr. 10.
- Gilchrist, William A., Chicago, Ill. Construction of furnace walls and arches. 1,666,284; Apr. 17.
- Gilchrist, William L., Albany, Oreg., assignor to Standard Securities Co. Automatic hydraulic valve. 1,690,165; Nov. 6.
- Gilden, Otto G., Altoona, Pa. Mausoleum. 1,657,619; Jan. 31.
- Gildersleeve, Willis W., Ocean Falls, British Columbia, Canada. Saw tool. 1,659,868; Feb. 21.
- Giles, Donald M. (See Giles, John H. and D. M.)
- Giles, Harvey, Brooklyn, N. Y., assignor to Artemas Ward Inc. Coin-controlled vending machine. 1,672,409; June 5.
- Giles, Isaac F., Yonkers, assignor to Iteite Electric Manufacturing Corporation, Tuckahoe, N. Y. Multiple socket. 1,676,435; July 10.
- Giles, Isaac F., Malone, and J. A. Roberts, Bronxville, assignors, to Iteite Electric Manufacturing Corporation, Tuckahoe, N. Y. Multiple-socket electric plug. 1,684,915; Sept. 18.
- Giles, Isaac V., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Making aromatic nitriles. 1,672,253; June 5.
- Giles, John H. and D. M., Philadelphia, Pa. Dyeing machine. 1,670,067; May 15.
- Giles, John W., Greer, S. C., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reversible loom lobby knife. 1,683,179; Sept. 4.
- Giles, Julian A., Derby, Conn. Wrench. 1,666,091; Apr. 17.
- Giles, William A. (See Stockholder, J. H., and Giles.)
- Giliasso, Louis, Philadelphia, Pa. Submarine drill. 1,681,533; Aug. 21.
- Gilkey, Augustine H., Chicago, Ill. Animal trap. 1,684,484; Sept. 18.
- Gilkison, Edward R., Terre Haute, Ind. Auto camp trailer. 1,696,113; Dec. 18.
- Gilks, Leonard, Bridgewater Center, Me. Combined claw hammer and wrench. 1,660,836; Feb. 28.
- Gill, Aaron H., West Haven, Conn., assignor to The Lionel Corporation, New York, N. Y. Toy railroad-track switch. 1,671,236; May 29.
- Gill, Aaron H., West Haven, Conn. Toy electric-railway control device. 1,696,534; Dec. 25.
- Gill, Charles H., Chicago, Ill. Speedometer. 1,674,776; June 26.
- Gill, Charles H., and T. M. Thomson, Chicago, Ill. Shoe-brushing machine. 1,662,498; Mar. 13.
- Gill, Edwin R., sr., Yonkers, N. Y. Current-rectifying unit and preparing the same. 1,668,201; May 1.
- Gill, Hargraves. (See Richard, E. C., and Gill.)
- Gill, James H. W., Heacham, England. Axial-flow hydraulic machine. 1,688,808; Oct. 23.
- Gill, James H. W., Heacham, England. Axial-flow hydraulic machine. 1,688,809; Oct. 23.
- Gill, John W., Glendale, Calif. Wall-bracket lighting fixture. Des. 75,837; July 24.
- Gill, Lowell O., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Laundry starch and manufacturing same. 1,656,190; Jan. 17.
- Gill, Martin. (See Szczepczenski, Peter, assignor.)
- Gill, Terence A. (See Kochendorfer, F. S., and Gill.)
- Gill, Walter L., Oakland, J. O. Mudgett and A. B. Bennett, San Jose, assignors, by mesne assignments, to S. L. Brinkmeyer, Los Angeles, Calif. Separator for the plates of storage cells. 1,674,284; June 19.
- Gille, George W., assignor to The Bryan Screw Machine Products Company, Bryan, Ohio. Apparatus for compressing air. 1,659,290; Feb. 14.

- Gille, George W., assignor to The Bryan Screw Machine Products Company, Bryan, Ohio. Air compressor and the like. 1,673,191; June 12.
- Gillen, Charles J., Carbondale, Pa. Electric-meter guard. 1,681,766; Aug. 21.
- Gillen, George A., assignor to Gillen, Kimmey, Baker Syndicate Inc., New York, N. Y. Lock for motor vehicles. 1,664,620; Apr. 3.
- Gillen, Kimmey, Baker Syndicate. (See Gillen, George A., assignor.)
- Gillen, Philip J., Nova, Ohio. Rail anticreeper. 1,690,535; Nov. 6.
- Gillenwaters, Frank M., Leavenworth, assignor of forty one-hundredths to W. R. Sweet, Independence, and twenty per cent to A. W. Stanley, Leavenworth, Kans. Automobile lock. 1,687,475; Oct. 9.
- Giller, Charles W., assignor to The Shelby Salesbook Company, Shelby, Ohio. Aviator's manifolding log. 1,678,981; July 31.
- Giles, Benjamin F., assignor to G. B. Lewis Company, Watertown, Wis. Clinching tool. 1,689,021; Oct. 23.
- Gillespie, Bee K., Los Angeles, Calif. Apparatus for cleaning and polishing automobiles. 1,694,120; Dec. 4.
- Gillespie, Gus H., Lexington, Ky. Loading device. 1,668,500; May 1.
- Gillespie, Jayson E., Normal, Nebr. Oil-tube strainer. 1,680,146; Aug. 7.
- Gillespie, Melvin E., Regina, Saskatchewan, Canada. Combination humidifier and decarbonizer. 1,663,163; Mar. 20.
- Gillett, Edward H. J. C., Hampstead, London, England. Friction or adhesion gearing. 1,665,165; Apr. 3.
- Gillett, Frank L., Los Angeles, Calif. Cutter-clearance gauge. 1,687,649; Oct. 16.
- Gillett, Harry. (See Loucks, James F., assignor.)
- Gillett, Merriman C., Philadelphia, assignor to Standard Heater Company, Williamsport, Pa. Steam generator. 1,677,763; July 17.
- Gillette, Harry S., assignor to Gillette Motor Products Corporation, New York, N. Y. Rack-action radiator cap. 1,687,482; Oct. 9.
- Gillette, King G., et al. (See Schmidt, Benjamin F., assignor.)
- Gillette Motor Products Corporation. (See Gillette, Harry S., assignor.)
- Gillette Schmidt Corporation. (See Schmidt, Benjamin F., assignor.)
- Gillette-Vibber Co., The. (See Vibber, Wheeler H., assignor.)
- Gillie, Freeman A. (See Ruttan, A. A., and Gillie.)
- Gillick, Lawrence H., St. Paul, Minn., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible joint. 1,665,810; Apr. 10.
- Gillies, Harold D., London, England. Motor and other vehicles. 1,686,209; Oct. 2.
- Gillies, Matthew C., Walkerville, Ontario, Canada. Overhead runway turntable. 1,684,986; Sept. 18.
- Gillies, William R., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Pipe covering. 1,661,254; Mar. 6.
- Gillig, Chester. (See Gillig, Leo and C.)
- Gillig, Leo and C., San Francisco, Calif. Sliding window for motor vehicles. 1,658,595; Feb. 7.
- Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Support for ring travelers. 1,689,127; Oct. 23.
- Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Support for ring travelers. 1,689,128; Oct. 23.
- Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Support for ring travelers. 1,689,129; Oct. 23.
- Gilligan, George H., assignor to U. S. Ring Traveler Company, Providence, R. I. Support for ring travelers. 1,689,130; Oct. 23.
- Gilligan, Thomas A. (See Lapierre, G. J., and Gilligan.)
- Gillinder Brothers, Inc. (See Gillinder, Edwin B., assignor.)
- Gillinder, Edwin B., assignor to Gillinder Brothers, Inc., Port Jervis, N. Y. Light-diffusing fixture. Des. 75,683; July 3.
- Gilling, Preston E., East Orange, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,690,674; Nov. 6.
- Gilling, Preston E., East Orange, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 1,690,675; Nov. 6.
- Gilling, Preston E., assignor to Radio Condenser Company, Camden, N. J. Radio vacuum-tube condenser. 1,690,676; Nov. 6.
- Gillingham, Alfred, and E. Bjork, Regina Beach, Saskatchewan, Canada. Grain-car door for box cars. 1,681,113; Aug. 14.
- Gillingham, Charles A., Lakewood, Ohio, assignor to National Carbon Company, Inc. Primary cell. 1,688,073; Oct. 16.
- Gillings, Charles, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Director circuits. 1,675,544; July 3.
- Gillings, Charles, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,693,599; Dec. 4.
- Gillis, Leon W., Alderwood Manor, Wash. Filament-current-reversing device. 1,664,813; Apr. 3.
- Gillis, Lyle N., Rose Crest, Va., assignor of one-half to The Floorola Corporation and one-half to E. J. Newcomer, Baltimore, Md. Brush holder for floor polishers. 1,693,919; Dec. 4.
- Gillis, Randall. (See Andrews, J. W., and Gillis.)
- Gillis, Sidney B., Enumclaw, Wash. Snowplow. 1,688,009; Oct. 16.
- Gilmor, Horatio G., Washington, D. C. Anticreeper. 1,665,696; Apr. 10.
- Gilmor, Horatio G., Washington, D. C. Rail anchor. 1,686,319; Oct. 2.
- Gilman, Albert E., Ottawa, Ill., assignor to King and Hamilton Company, Ottawa, Ill. Corn sheller. 1,682,374; Aug. 28.
- Gilman Fanfold Corporation, Limited. (See Stevenson, Ralph C., assignor.)
- Gilman, George H., Boston, Mass. Drilling machine. 1,653,330; Feb. 7.
- Gilman, George H., Belmont, Mass. Drilling machine. 1,659,138; Feb. 14.
- Gilman, George H., Belmont, Mass. Drilling machine. 1,659,139; Feb. 14.
- Gilman, George H., Boston, Mass. Drilling machine. 1,663,403; Mar. 20.
- Gilman, George H., Belmont, Mass. Drilling machine. 1,690,859; Nov. 6.
- Gilman, John A., Seattle, Wash. Wire-tightening machine. 1,669,817; May 15.
- Gilman, John A., Seattle, Wash. Planetary transmission mechanism. 1,686,446; Oct. 2.
- Gilmer, L. H., Co. (See Lewis, C. W., assignor.)
- Gilmer, Percy M., Roanoke, Va. Packing ring. 1,671,526; May 29.
- Gilmont Products Corporation. (See Hopkins, Nevil M., assignor.)
- Gilmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,661,891; Mar. 6.
- Gilmore, Charles B., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Hood latch. 1,695,544; Dec. 18.
- Gilmore, Forrest E., Company. (See Gilmore, Forrest E., assignor.)
- Gilmore, Forrest E., Los Angeles, Calif. Counter flow still. 1,655,998; Jan. 10.
- Gilmore, Forrest E., Los Angeles, Calif., assignor to Forrest E. Gilmore Company, Portland, Oreg. Fire still and oil treater. 1,664,920; Apr. 8.
- Gilmore, Jackson G., and A. J. Frame, Columbus, Ohio. Flow regulator for oil burners. 1,667,314; Apr. 24.
- Gilmore, Jackson G., and A. J. Frame, Columbus, Ohio. Oil burner. 1,670,033; May 15.
- Gilmore, Vincent J., Wappingers Falls, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal-separator feeding device. 1,694,468; Dec. 11.
- Gilmore, William L. (See Brisel, R. B., and Gilmore.)
- Gilmour, William S. (See Lynch, J. M., and Gilmour.)
- Gilowitz, Benjamin, New York, N. Y. Tap sole. 1,680,147; Aug. 7.
- Gilowitz, Benjamin, New York, assignor of one-half to H. Aronstam, Bronx, New York, N. Y. Heel-lift-attaching means. 1,680,374; Aug. 14.
- Gilpin, Garth G., Riverside, Ill. Railway-car-roof construction. 1,656,056; Jan. 10.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. End wall for railway cars. 1,656,057; Jan. 10.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway-car end wall. 1,656,058; Jan. 10.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Centering device for car couplers. 1,656,059; Jan. 10.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Centering device and emergency coupler support. 1,658,120; Feb. 7.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway-car wall. 1,671,420; May 29.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Corrugated hopper door for railway cars. 1,673,449; June 12.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. End door for automobile cars. 1,673,450; June 12.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Automobile end door. 1,688,140; Oct. 16.
- Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Uncoupling device for railway-car couplers. 1,688,141; Oct. 16.
- Gilson, Dayton H., Rushville, Ind. Lever attachment for remote clutch controls. 1,680,780; Aug. 14.
- Gilson, Emory G., Colone, N. Y., assignor to General Electric Company. Making X-ray anodes. 1,671,953; May 29.
- Gilson Manufacturing Company. (See Donald, Forrest V., assignor.)
- Gilson Manufacturing Company. (See Travers, Charles J., assignor.)
- Gilson, Michael, assignor to Kwik-Mix Concrete Mixer Co., Port Washington, Wis. Automatic lock and release for concrete mixers. 1,685,529; Sept. 25.
- Gilson, Robert M. (See Young, H. S., and Gilson.)

- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,655,400; Jan. 3.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,655,862; Jan. 10.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,657,620; Jan. 31.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,661,175; Mar. 6.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,677,518; July 17.
- Gilson, Robert M., Pittsburgh, and A. A. Skene, Wilkesburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 1,679,014; July 31.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,682,749; Sept. 4.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,687,124; Oct. 9.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,692,647; Nov. 20.
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,687,125; Oct. 9.
- Gilson, William E., St. Louis, Mo. Chimney. 1,676,544; July 10.
- Gilstrap, Frank M., and C. S. Newberry, Los Angeles, Calif. Liquid-vending machine. 1,668,897; May 8.
- Gilstrap, Orin. (See Lambert, William R., assignor.)
- Gilzean, Eric. (See Webb, G. B., and Gilzean.)
- Ginabat, André Paris, France. Surface condenser. Re 17,094; Oct. 2.
- Ginder, William H., Haddonfield, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Electric fan. Des. 75,485; June 12.
- Ginder, William H., Haddonfield, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Electric fans. Des. 76,012; Aug. 14.
- Ginder, William H., Haddonfield, N. J., assignor, by mesne assignments, to Electro Manufacturing Company of America. Portable fan. 1,694,214; Dec. 4.
- Gingerich, Otto J., Trenton, assignor of one-half to The Ceramic Machinery Company, Hamilton, Ohio. Fluid or mixture supply for internal-combustion engines. 1,671,898; May 29.
- Gingold, Nellie M., Brooklyn, N. Y. Vehicle tread. 1,657,534; Jan. 31.
- Gingras, Dale M., et al. (See Guterres, Carlos A., assignor.)
- Gingras, Edward F., Buffalo, N. Y. Sanitary cover for ice-cream cones. 1,669,237; May 8.
- Gingras, Edward F., Buffalo, N. Y. Ice-cream-cone protector. 1,672,884; June 12.
- Gingras, Edward F., Buffalo, N. Y. Belting. 1,691,968; Nov. 20.
- Gink, Hermann, Ansbach, Germany. Steel rail. 1,661,176; Mar. 6.
- Ginsbach, Felix, Luxemburg, Luxemburg, assignor to H. Horst, Berlin-Charlottenburg, Germany. Treatment of peat. 1,686,807; Oct. 9.
- Ginsburg, Louis E. (See Imersheim, H., and Ginsburg.)
- Ginter, George E., et al. (See Uhl, George A., assignor.)
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 74,300; Jan. 24.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 74,499; Feb. 21.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 74,500; Feb. 21.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 74,501; Feb. 21.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 74,502; Feb. 21.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 74,601; Mar. 6.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 75,160; May 15.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 75,787; July 17.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 75,788; July 17.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 75,789; July 17.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 76,231; Sept. 4.
- Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 76,232; Sept. 4.
- Gloggia, Louis, West New York, assignor to St. Mungo Manufacturing Company of America, Newark, N. J. Golf ball. Des. 75,422; June 5.
- Giordani, Francesco, Naples, Italy, assignor to Pomilio Brothers Corporation, New York, N. Y. Electrochemical process for separating iron from aluminum. 1,685,156; Sept. 25.
- Giordano, Filippo, Turin, Italy. Luminous number plate for motor vehicles. 1,672,565; June 5.
- Giovannoni, Egisto. (See Pourfille, G., and Giovannoni.)
- Gipe, John C. (See Cripe, S. C., and Gipe.)
- Gipe, John C., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Glass-surfacing apparatus. 1,673,910; June 19.
- Giragosian, Bedros, Watertown, Mass. Latch. 1,687,650; Oct. 16.
- Girard, Albert, Canisteo, N. Y. Cotter-pin-spreading tool. 1,664,619; Apr. 3.
- Girard, Fritz, Hanau-on-the-Main, Germany. Microscope-illuminating device. 1,658,523; Feb. 7.
- Girard, Louis. (See Butin, E. A., and Girard.)
- Girard, Louis B. (See Leeper, F., and Girard.)
- Girard Model Works, The. (See Connell, Stanley L., assignor.)
- Girardet, Jacques, Paris, France. Liquid-level indicator. 1,685,051; Sept. 18.
- Girault, Paul G., Paris, France, assignor to General Electric Company. Electrical converter. 1,673,673; June 12.
- Girlich, Steve M., Chicago, Ill. Combination window guard and draft deflector. 1,687,439; Oct. 9.
- Girling, Sidney S., Saanich, British Columbia, Canada. Road-oil-spraying nozzle. 1,693,230; Nov. 27.
- Gironés, Ignacio V., Barcelona, Spain. Change-speed mechanism. 1,661,892; Mar. 6.
- Giroux, Charles A., Montreal, Quebec, Canada. Changeable sign. 1,679,520; Aug. 7.
- Girtanner, Alexander, Bayside, N. Y., and J. J. McNulta, Summit, N. J., assignors to Girtanner Engineering Corporation, New York, N. Y. Soot-removing device. 1,676,019; July 3.
- Girtanner Engineering Corporation. (See Girtanner, A., and McNulta, assignors.)
- Girton, Charles E., Cincinnati, Ohio. Knee joint for artificial limbs. 1,690,194; Nov. 6.
- Gisholt Machine Company. (See Class, George M., assignor.)
- Gisholt Machine Company. (See Grumrine, Kennedy H., assignor.)
- Gisholt Machine Company. (See Lundberg, Nils I., assignor.)
- Gisholt Machine Company. (See Schmeltzopf, Edward C., assignor.)
- Gissler, Emile. (See Steffen, Henri, assignor.)
- Githens, Thomas F., Cleveland Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Tool and making same. 1,667,417; Apr. 24.
- Gits, Jules P., Chicago, Ill. Pneumatic-tire valve. 1,666,562; Apr. 17.
- Gits, Remi J., Chicago, Ill. Power-transmission belt. 1,656,628; Jan. 17.
- Gits, Remi J., Riverside, Ill. Metal molding. 1,683,346; Sept. 4.
- Gits, Remi J., assignor of one-third to W. E. Hann, Chicago, Ill. Lubricating means. 1,676,086; July 3.
- Gittery, Charles, Jr., Detroit, Mich. Front-license-plate light. 1,661,798; Mar. 6.
- Gittings, William N., Springfield, Pa., assignor to General Electric Company. Automatic switching system. 1,677,715; July 17.
- Gittings, William N., Springfield, Pa., assignor to General Electric Company. Control system. 1,693,293; Nov. 27.
- Gittins, George E. (See Coates, W. A., Gittins, and Davies.)
- Given, Alfred, Toppenish, Wash. Automatic damper. 1,672,758; June 5.
- Givens, Clara B., administratrix. (See Givens, Frank C.)
- Givens, Frank C., deceased, Tuolumne, Calif. C. B. Givens, administratrix. Carburetor. 1,696,711; Dec. 25.
- Glacier Company. (See Scarlett, George B., assignor.)
- Glacken, John A., Norwich, Conn. Sled. 1,686,745; Oct. 9.
- Gladden, James R., Jr., Wathena, Kans. Tire-chain fastener. 1,680,981; Aug. 14.
- Gladding, Charles W., Newport, R. I. Truck. 1,658,893; Feb. 14.
- Gladding, Ernest K., Buffalo, N. Y., and T. E. Sharpe, Old Hickory, Tenn., assignor to Du Pont Rayon Company, Incorporated, Buffalo, N. Y. Treatment of rayon. 1,655,097; Jan. 3.
- Gladding, Ernest K., assignor to Du Pont Rayon Company, Incorporated, Buffalo, N. Y. Treating artificial fibers. 1,688,702; Oct. 23.
- Glaenzer, Harry, and L. W. Hance, Philadelphia, Pa. Cylinder saddle. 1,660,223; Feb. 21.
- Glaenzer, Harry, and L. W. Hance, Philadelphia, Pa. Three-cylinder compound locomotive. 1,671,821; May 29.
- Glaenzer, Harry, Philadelphia, Pa., and E. E. Hicken, Collingswood, N. J. Articulated tender. 1,668,556; May 8.
- Glaesser, Ado, Woodhaven, N. Y. Paper punch. 1,687,758; Oct. 16.
- Glair, Harry F., and O. E. Bransky, assignors to Standard Oil Company, Whiting, Ind. Refining oil. 1,683,289; Sept. 4.
- Glancy, Anna E., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,659,197; Feb. 14.
- Glancy, Anna E., and E. D. Tillyer, assignors, to American Optical Company, Southbridge, Mass. Lens-measuring instrument. 1,672,566; June 5.
- Glancy, Warren E., Waltham, Mass. Battery box. 1,679,657; Aug. 7.
- Glantz, Charles, Arkville, N. Y. Chair. Des. 75,556; June 19.

- Gardon, Edouard C., Lausanne, Switzerland. Joint binder. 1,662,573; Mar. 13.
- Glascocock Brothers Mfg. Company. (See Frick, Chester A., assignor.)
- Glascocock Brothers Mfg. Company. (See Miller, Calvin N., assignor.)
- Glascote Company, The. (See Heinsohn, Edwin I., assignor.)
- Glaser, Herbert, New York, N. Y. Door-operated switch. 1,696,712; Dec. 25.
- Glaser, Jakob, Waldmohr, Germany. Apparatus for cutting rock, coal, and the like. 1,674,969; June 26.
- Glaser, John M., assignor to U. S. Hame Company, Buffalo, N. Y. Snap hook. 1,691,111; Nov. 13.
- Glaser, Joseph P., assignor to Chamberlin Metal Weather Strip Company, Detroit, Mich. Ventilator. 1,696,000; Dec. 18.
- Glaser, Joseph P., L. F. Julien, and H. W. Whitten, assignors to Chamberlin Metal Weather Strip Co., Detroit, Mich. Sash stop and pulley guard. 1,665,697; Apr. 10.
- Glashow, Lewis, New York, N. Y. Steam boiler. Re-16,968; May 15.
- Glasnapp, Charles W., assignor to The Kelsey Press Company, Meriden, Conn. Printing press. 1,663,197; Mar. 20.
- Glaspie, Warren E., New York, N. Y., assignor to Spring Stopper Company of New York. Machine for making glass containers. 1,657,921; Jan. 31.
- Glaspie, Warren E., Bridgeport, N. J., assignor to Spring Stopper Company. Machine for making glass containers. 1,695,894; Dec. 18.
- Glass, Arnold F., Birmingham, Ala. Stove. 1,655,055; Jan. 3.
- Glass, Charles F., and A. C. O. Bock, Brooklyn, N. Y., and J. F. Milligan, Ridgefield Park, N. J., assignors to Fingerprint Machine Corporation. Fingerprint machine. 1,676,020; July 3.
- Glass, Clifton A., Kansas City, Mo. Floating roof for oil tanks. 1,674,038; June 19.
- Glass, Clifton A., Kansas City, Mo. Sectional floating deck for oil tanks. 1,674,039; June 19.
- Glass, Eugene E., Los Angeles, Calif. Wall safe. 1,681,290; Aug. 21.
- Glass, Eugene E., Los Angeles, Calif. Sadiron receptacle. 1,681,291; Aug. 21.
- Glass, Henry J., Buffalo, N. Y. Arch support for shoes. 1,671,713; May 29.
- Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,663,588; Mar. 27.
- Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,678,904; July 31.
- Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. 1,681,229; Aug. 21.
- Glass, Perley R., Wayland, and H. D. Elliott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 1,695,582; Dec. 18.
- Glass, Robert G., and O. H. Baker, Chicago, Ill. Tie plate. 1,673,818; June 19.
- Glass, William, Campbell, Ohio. Bottle cap. 1,694,851; Dec. 11.
- Glässel, Karl, Cannstatt, Germany. Regulating device for refrigerating machines. 1,665,878; Apr. 10.
- Glassman, Jack A., Chicago, Ill. Loud speaker. 1,662,742; Mar. 13.
- Glassman, Nathan, Brooklyn, N. Y. Toothbrush. 1,688,581; Oct. 23.
- Glassmobile Company. (See Loud, William C., assignor.)
- Glatt, William E., and E. Hermann, Chicago, Ill. Shaper head for woodworking machinery. 1,691,927; Nov. 20.
- Glatzel, John H., Brooklyn, N. Y., assignor to Ohmer Fare Register Company, Dayton, Ohio. Driving means for taximeters. 1,667,851; May 1.
- Glauber, Myron J., Los Angeles, Calif. Diverter valve. 1,666,581; Apr. 17.
- Glavey, Patrick, Jr., New York, N. Y. Combination match case and igniter. 1,656,060; Jan. 10.
- Glavin, John D., Providence, R. I. Game device. 1,682,329; Aug. 28.
- Glaze, John H. (See Stem, I. F., and Glaze.)
- Glaze, Kenneth L., et al. (See Miller, Albert H., assignor.)
- Gleason, Clifford J., assignor to M. S. Wright Company, Worcester, Mass. Vacuum dry mop. 1,674,393; June 19.
- Gleason, Donald T. (See Schoonmaker, J. M., Jr., and Gleason.)
- Gleason, James E., G. H. Bryan, E. Finsen, and A. P. Slade, assignors to Gleason Works, Rochester, N. Y. Method and apparatus for making gears. 1,660,502; Feb. 28.
- Gleason, James E., and E. C. Head, assignors to Gleason Works, Rochester, N. Y. Machine for producing gears. 1,669,818; May 15.
- Gleason, John W., et al., trustees. (See Arcy, Fred C., assignor.)
- Gleason, Michael F., East McKeesport, Pa. Electric lamp. Des. 74,216; Jan. 10.
- Gleason, Michael S., assignor to R. S. Gleason, New York, N. Y. Educational game apparatus. 1,660,501; Feb. 28.
- Gleason, Rowena S. (See Gleason, Michael S., assignor.)
- Gleason, Shelley I., assignor to Union Tank and Pipe Company, Los Angeles, Calif. Vaporizer for vacuum fumigation. 1,668,068; May 1.
- Gleason Works. (See Bullock, E. W., and Bryan, assignors.)
- Gleason Works. (See Bullock, E. W., and Slade, assignors.)
- Gleason Works. (See Candee, A. H., and Johanson, assignors.)
- Gleason Works. (See Candee, A. H., and Wildhaber, assignors.)
- Gleason Works. (See Finsen, Eyvind, assignor.)
- Gleason Works. (See Finsen, E., and Earl, assignors.)
- Gleason Works. (See Gleason, J. E., Bryan, Finsen, and Slade, assignors.)
- Gleason Works. (See Gleason, J. E., and Head, assignors.)
- Gleason Works. (See Hartman, Herbert G., assignor.)
- Gleason Works. (See Head, Ernest C., assignor.)
- Gleason Works. (See Head, E. C., Finsen, and Carlson, assignors.)
- Gleason Works. (See Rolf, Joseph H., assignor.)
- Gleason Works. (See Snow, Wilbur H., assignor.)
- Gleason Works. (See Stonbraker, Harold E., assignor.)
- Gleason Works. (See Trbojevich, Nikola, assignor.)
- Gleason Works. (See Wildhaber, Ernest, assignor.)
- Gleason Works. (See Wildhaber, E., and Candee, assignors.)
- Gledhill, William, Barkisland, near Halifax, England. Weighting motion of looms for weaving. 1,689,870; Oct. 30.
- Glemby, Louis, New York, N. Y. Hair net. 1,671,714; May 29.
- Glemby's, S., Sons Co. (See Hitzgrath, Paul E., assignor.)
- Glenco Products Company. (See Jackson, Royal W., assignor.)
- Glendon, Thomas A., Jr., New York, N. Y. Leather or similar article. Des. 76,532; Oct. 9.
- Glencagies Shoe Company Limited. (See McLaren, Robert, assignor.)
- Glenn, J. Edward, et al. (See Randall, Frank E., assignor.)
- Glenn, Robert. (See Ruse, T. W., and Cox, assignors.)
- Glens Falls Machine Works. (See Chappell, Fred B., assignor.)
- Glessale, Albert E., Syracuse, N. Y. Fish grapple. 1,665,661; Apr. 10.
- Glessner, Charles E., Portland, Oreg. Smelting apparatus. 1,686,912; Oct. 9.
- Glidden, Alfred A., Watertown, H. G. Ellis, Waltham, and H. L. Davis, Walpole, assignors to Hood Rubber Company, Watertown, Mass. Mold for rubber boots. 1,692,828; Nov. 27.
- Glidden, Alfred A., and T. M. Knowland, assignors to Hood Rubber Company, Watertown, Mass. Sole for boots and shoes. 1,685,538; Sept. 25.
- Glidden, Alfred A., and T. M. Knowland, Watertown, and W. T. Rich, Jr., Newton, assignors to Hood Rubber Company, Watertown, Mass. Valve-stem adapter for inner-tube molds. 1,695,012; Dec. 11.
- Glidden, Alfred A., and T. M. Knowland, Watertown, and W. T. Rich, Jr., Newton, assignors to Hood Rubber Company, Watertown, Mass. Valve-stem adapter for inner-tube molds. 1,695,013; Dec. 11.
- Glidden, Alfred A., Watertown, and E. R. McKenzie, Brighton, assignors to Hood Rubber Company, Watertown, Mass. Lining for rubber boots and method of manufacturing. 1,676,329; July 10.
- Glidden, Arthur R., Seattle, Wash. Window-sash fastener. 1,695,729; Dec. 18.
- Glidden, Harvey L., Needham Heights, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,676,260; July 10.
- Glines, Frederick S., Lynn, assignor to Peerless Machinery Company, Boston, Mass. Device for setting invisible eyelets. 1,676,647; July 10.
- Glisky, Frank J., Pontiac, Mich. Colter-wheel structure. 1,665,957; Apr. 10.
- Globar Corporation. (See Shaw, Harold N., assignor.)
- Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
- Globe Lighting Fixture Mfg. Co., The. (See Petersen, Thorvald J., assignor.)
- Globe Lighting Fixture Mfg. Co. (See Villaret, Gustave E., assignor.)
- Globe Music Company, The. (See Hall, Harry E., assignor.)
- Globe-Wernicke Company, The. (See Forbes, Samuel L., assignor.)
- Globe-Wernicke Company. (See Ringler, William A., assignor.)
- Globe-Wernicke Company, The. (See Salt, Elmer H., assignor.)
- Globe-Wernicke Company, The. (See Smiley, Samuel, Jr., assignor.)
- Glocheski, Roman F. (See Thorne, Viola, assignor.)
- Glockler, Bernard, Company. (See Ehrsgott, Karl, assignor.)
- Glockler, John E., Pittsburgh, Pa. Sheet-metal drain-board construction. 1,660,958; Feb. 28.
- Glockler, John E., Pittsburgh, Pa., Metal table top. 1,664,292; Mar. 27.

- Glockler, John E., Pittsburgh, Pa. Supporting bracket for parallel rails, rods, and the like. 1,677,764; July 17.
- Glockler, John E., Pittsburgh, Pa. Door-latch construction. 1,685,419; Sept. 25.
- Glockler, John E., Pittsburgh, Pa. Ice container for cabinet refrigerators. 1,687,440; Oct. 9.
- Glomstead, Edwin E. and J. A. Williamson, Neeah, Wis., assignors, by mesne assignments, to International Cellulose Products Co., Chicago, Ill. Machine for making absorbent rolls. 1,693,749; Dec. 4.
- Glore, Harry V., Oakland, Calif., assignor to Veitch Manufacturing Company. Machine for making hairpins. 1,691,516; Nov. 13.
- Gloria Manufacturing Corp. (See Vidor, William H., assignor.)
- Gloriosio, Robert. (See Orlando, Joseph F., assignor.)
- Glosh, Frederick P., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Speed-changing mechanism. 1,687,721; Oct. 16.
- Glove Corporation, The. (See Sturm, Frank X., assignor.)
- Glover, Charles H., La Grange, Ill. Artificial Christmas tree. 1,694,974; Dec. 11.
- Glover, Charles W., Pinner, England. Building construction. 1,678,504; July 24.
- Glover, Frank B., Brooklyn, N. Y. Engraving cutter head and depth gauge. 1,696,032; Dec. 18.
- Glover, Rexford C., Flint, Mich. Muffler. 1,655,143; Jan. 3.
- Glover, Rexford C., Flint, assignor to General Motors Corporation, Detroit, Mich. Straightening machine. 1,672,208; June 5.
- Glover, Walter H., Leamington, and C. F. Topham, Coventry, assignors to Courtaulds Limited, London, England. Production of artificial silk. 1,665,958; Apr. 10.
- Glover, William B., and W. H. Richardson, Subiaco, near Perth, Western Australia, Australia. Spring buffer for motor vehicles. 1,683,541; Sept. 4.
- Glover, William M., Denver, Colo. Automobile awning. 1,681,292; Aug. 21.
- Glover, William M., assignor, by mesne assignments, to Sunbar Manufacturing Company, Denver, Colo. Adjustable automobile awning. 1,691,969; Nov. 20.
- Gloversville Welt Co. (See Straus, Sylvan M., assignor.)
- Gluck, Edward V., Woodhaven, N. Y. Grid leak. 1,685,603; Sept. 25.
- Glück, Emil, Chemnitz, Germany. Mechanism for direct mechanical adjusting of the abutment for the thread guides on flat hosiery frames. 1,692,168; Nov. 20.
- Gluck, Julius. (See Milecz, Rudolph, assignor.)
- Gluck, Julius, New York, N. Y., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Illuminated signal means for taximeters. 1,659,600; Feb. 21.
- Gluck, Julius, New York, N. Y., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Tape-reading device. 1,667,852; May 1.
- Gluck, Julius, New York, N. Y., assignor, by mesne assignments, to Ohmer Fare Register Company, Dayton, Ohio. Initial-charge-increasing mechanism. 1,688,383; Oct. 23.
- Gluckin, Harry. (See Gluckin, William and H.)
- Gluckin, Wm., & Co. (See Gluckin, William and H.)
- Gluckin, William and H., Brooklyn, assignors to Wm. Gluckin & Co., Inc., New York, N. Y. Apparatus for manufacturing doll and manikin heads. 1,671,577; May 29.
- Glynn-Johnson, Inc. (See Johnson, Elvin H., assignor.)
- Gminder, Emil, Reutlingen, Germany. Process and apparatus for defiberizing plant parts and cleaning the reclaimed fibers. 1,658,842; Feb. 14.
- Gminder, Emil, Reutlingen, Germany. Spinning. 1,666,894; Apr. 24.
- Gminder, Emil, Reutlingen, Germany. Cotton fabric and manufacturing the same. 1,679,767; Aug. 7.
- Gminder, Emil, Reutlingen, Germany. Stretching frame for fibrous material. 1,681,768; Aug. 21.
- Gminder, Emil, Reutlingen, Germany. Apparatus for softening, refining, and cleaning entangled and short-fiber material. 1,688,384; Oct. 23.
- Gnudi, Alfonso, Bologna, Italy. Display method. 1,684,795; Sept. 18.
- Goalstone, Michael J., Denver, Colo. Refrigerating show case. 1,690,485; Nov. 6.
- Goben, Charles M. (See Bridgewater, G. H., and Goben.)
- Goben, Edward G., Brooklyn, N. Y. Propelling and smoothing device. 1,656,668; Jan. 17.
- Gobin, André E., Brooklyn, N. Y. Auxiliary water heater. 1,679,768; Aug. 7.
- Goble, Fred J., administrator. (See Day, David T.)
- Goble, Walter A., Grand Rapids, Mich. Piano-key mounting. 1,686,210; Oct. 2.
- Goddard, Alvin C. (See Griswold, A. A., and Goddard.)
- Goddard, Alvin C., Richmond Hill, N. Y. Metal door and the like. 1,689,823; Oct. 30.
- Goddard, Alvin C., Richmond Hill, N. Y. Pivot hinge. 1,695,235; Dec. 11.
- Goddard, John V., Trentham, England, assignor to H. C. Edmiston, New York, N. Y. Covered dish. Des. 76,999; Nov. 27.
- Goddard, John W. (See Gouldbourn, J., and Goddard.)
- Goddard, Robert H., and N. A. Riffolt, Worcester, Mass. Accumulator for radiant energy. 1,661,473; Mar. 6.
- Goddard, Walter T., Hamilton, Ontario, Canada, assignor to Locke Insulator Corporation, Baltimore, Md. Assembling insulators. 1,657,922; Jan. 31.
- Goddard, Walter T., Hamilton, Ontario, Canada, assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,695,458; Dec. 18.
- Goddard, Wilfred B., Burlingame, Calif. Illuminating mirror. 1,667,545; Apr. 24.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,667,777; May 1.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,684,390; Sept. 18.
- Goddu, George, Winchester, and F. L. Mackenzie, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,686,808; Oct. 9.
- Godefroy, Alexandre F., St. Louis, Mo. Hair-curling device. 1,695,545; Dec. 18.
- Godel, Albert, Lagnieu, assignor to Societe De Recherches & d'Exploitations Petrolieries, Paris, France. Absorbent catalyzer. 1,674,897; June 26.
- Godfrey, Elmore M., jr., Knoxville, Tenn. Worktable for pneumatic-tire repairing. 1,686,553; Oct. 9.
- Godfrey, Fred A., Chicago, Ill. Conduit attaching to outlet boxes. 1,659,094; Feb. 14.
- Godillot, Edouard, assignor to R. Laraque, Paris, France. Pump and the like. 1,695,650; Dec. 18.
- Godkin, Cecil E., Hayward, Calif. Electromagnetic detecting device. 1,685,662; Apr. 10.
- Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Lamp-bulb holder. 1,656,729; Jan. 17.
- Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Auxiliary socket connection. 1,658,237; Feb. 7.
- Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Compartmental lamp. 1,658,238; Feb. 7.
- Godley, Charles E., Ypsilanti, assignor to Edmunds & Jones Corporation, Detroit, Mich. Lamp-focusing device. 1,658,239; Feb. 7.
- Godley, Charles E., Ypsilanti, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Lamp-focusing device. 1,669,659; May 15.
- Godley, Charles E., Ypsilanti, assignor to Edmunds & Jones Corporation, Detroit, Mich. Focusing device. 1,678,325; June 12.
- Godley, Charles E., Ypsilanti, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Focusing adjustment device. 1,689,918; Oct. 30.
- Godley, Edwin A. (See Grubman, L. J., and Godley.)
- Godley, Paul F. (See Farrand, C. L., Ross, and Godley.)
- Godley, Paul F., Montclair, N. J. Frame for a loud-speaker disk. Des. 75,102; May 8.
- Godowsky, Leopold, jr. (See Mannes, L. D., and Godowsky.)
- Godoy, Humbert. (See Feeney, T. L., and Godoy.)
- Godsey, French E., Bluefield, W. Va. Safety valve. 1,692,296; Nov. 20.
- Godsey, H. Mitchell, Shreveport, La. Apparatus for distillation. 1,673,238; June 12.
- Godsey, Robert D., and M. P. Litton, Bristol, Va., assignors of three-fourths to said Godsey and one-fourth to said Litton. Milk distributor and bottle collector. 1,667,000; Apr. 24.
- Godske, Carlyle E., Racine, Wis. Awning construction. 1,688,010; Oct. 16.
- Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer. 1,686,609; Oct. 9.
- Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Producing dry gaseous fuel. 1,686,610; Oct. 9.
- Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer. 1,686,611; Oct. 9.
- Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer for liquid fuels. 1,696,761; Dec. 25.
- Godward, Ernest R., New York, N. Y., assignor to The Eclipse Petrol Economiser System Company, Limited, Christchurch, New Zealand. Vaporizer for liquid fuel. 1,696,881; Dec. 25.
- Goebert, Elmer C., U. S. Army, Philadelphia, Pa. Mount for guns. 1,657,009; Jan. 24.
- Goedecke, Carl E. J., Manchester, assignor to W. Eberlein, Marple, England. Production of dyestuff emulsion and of color lake therefrom. 1,672,454; June 5.
- Goedecke, Fred W. (See Moll, Walter, assignor.)
- Goeken, Henry A., assignor to The Star Ring Company, Buffalo, N. Y. Ring mounting. 1,657,354; Jan. 24.
- Goeller, Edward F., New York, N. Y. Advertising device. 1,685,157; Sept. 25.
- Goellor, Lawrence E., Circleville, Ohio. Bristle-holding device for brushes and brooms. 1,680,512; Aug. 14.
- Goeltz, Louis H., Milwaukee, Wis. Pipe cutter. 1,679,470; Aug. 7.

- Goelz, Leonard A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical connector. 1,689,824; Oct. 30.
- Goerg, Walter, West Hoboken, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Acetylene distribution safety apparatus. 1,674,172; June 19.
- Goerk, Edward G. and G. Irvington, N. J. Device for animating objects. 1,680,982; Aug. 14.
- Goerk, Gustav. (See Goerk, Edward G. and G.)
- Goertz, August, & Co. (See Goertz, Frederick, assignor.)
- Goertz, August, & Co. (See Goertz, F., and Rothe, assignors.)
- Goertz, August, & Co. (See Wacker, William E., assignor.)
- Goertz, August, & Co., Inc. (See Goertz, Walter A., assignor.)
- Goertz, Frederick, South Orange, N. J., assignor to August Goertz & Co. Catch for bag frames. 1,674,106; June 19.
- Goertz, Frederick, and W. C. Rothe, Newark, N. J., assignors to August Goertz & Co. Combination holder and guard for tools. 1,665,256; Apr. 10.
- Goertz, Walter A., East Orange, assignor to August Goertz & Co., Inc., New York, N. Y. Vanity case. 1,681,401; Aug. 21.
- Goerz, C. P., Optische Anstalt Aktiengesellschaft, Akciova Spolecnost K. P. Goerz opticky ustav. (See Karabetz, Hans, assignor.)
- Goerz, C. P., Optische Anstalt, Aktiengesellschaft, Akciova Spolecnost K. P. Goerz Opticky Ustav. (See Petschenig, Karl, assignor.)
- Goeschke, Armin, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing of cellulose esters and ethers. 1,691,517; Nov. 13.
- Goetsch, George W., Elkins Park, assignor to Quaker Hosiery Company, Philadelphia, Pa. Stocking. Des. 77,086; Dec. 4.
- Goetsch, George W., Elkins Park, assignor to Quaker Hosiery Company, Philadelphia, Pa. Stocking. Des. 77,143; Dec. 4.
- Goerschius, Dalton M., Canonsburg, assignor to Radium Dial Company, Pittsburgh, Pa. Method and apparatus for stenciling. 1,679,770; Aug. 7.
- Goettl, John, et al., trustees. (See Balnojan, Peter, assignor.)
- Goettl, Karl, et al., trustees. (See Balnojan, Peter, assignor.)
- Goetz, Milton A., Brooklyn, N. Y., assignor, by mesne assignments, to Bailey Meter Company. Flow meter. 1,673,674; June 12.
- Goetz, Oscar H., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper bracket. 1,663,269; Mar. 20.
- Goetz, Oscar H., Springfield, Mass., assignor to American Chain Company, Inc. Automobile fender guard. 1,677,765; July 17.
- Goetze, Albin F., assignor to Morgan Knitting Mills, Inc., Newark, N. J. Knit scarf. 1,666,819; Apr. 17.
- Goetze, Albin F., assignor to Morgan Knitting Mills, Inc., Newark, N. J. Stitch and forming the same. 1,693,439; Nov. 27.
- Goetzenberger, Ralph L., Philadelphia, Pa. Fuse setter. 1,664,676; Apr. 3.
- Goetzelman, William, Chicago, Ill., assignor to Appleton Electric Company. Clamp for connection boxes. 1,667,688; Apr. 24.
- Goff, Harold W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch. 1,655,056; Jan. 3.
- Goff, Jess, assignor of one-third to O. R. Bartram, Los Angeles, Calif. Manhole safety cage. 1,688,074; Oct. 16.
- Goff, John A. (See Goff, Judson L., assignor.)
- Goff, Judson L., assignor of one-half to J. A. Goff, Topeka, Kans. Deflation tool for tubes of pneumatic tires. 1,664,621; Apr. 3.
- Goff, Leonard D., Three Rivers, Mich. Boiler-feed device. 1,672,610; June 5.
- Goff, Madis, L., Los Angeles, Calif. Signal arm for vehicles. 1,695,843; Dec. 18.
- Goffin, Sydney F. H., St. Albans, England. Sheet-feeding mechanism. 1,696,114; Dec. 18.
- Goforth, Charles F., Lemoore, Calif. Automatic oller. 1,663,981; Mar. 27.
- Gozan, Joseph, Cleveland, Ohio. Forming and tempering apparatus. 1,688,142; Oct. 16.
- Gozy, Jean O., Vincennes, France. Protecting electric and other cables. 1,682,076; Aug. 28.
- Golben, Clarence E., South Bend, Ind. Automobile signal. 1,683,663; Sept. 11.
- Gohmann Bros. and Kahler Company et al. (See Kahler, Joseph, assignor.)
- Gohmann Brothers and Kahler Company. (See Schmiedeknecht, Victor E., assignor.)
- Gohord, Fernand, Paris, France, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,670,303; May 22.
- Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,661,799; Mar. 6.
- Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,665,736; Apr. 10.
- Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,682,330; Aug. 28.
- Going, George G., Middletown, Conn., assignor, by mesne assignments, to Remington Typewriter Company. Typewriting machine. 1,691,112; Nov. 13.
- Gold Card Heating & Lighting Company. (See Wilson, Elbert B., assignor.)
- Gold, Egbert H., Evanston, and E. A. Russell; said Russell assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Hose coupler. 1,681,729; Aug. 21.
- Gold, Harry A., Brooklyn, N. Y. Cap. 1,672,611; June 5.
- Gold Medal Camp Furniture Manufacturing Company. (See Brown, Newton N., assignor.)
- Gold, Morris, Bronx, A. F. Most, and J. Fogel, Brooklyn, N. Y. Cigarette case. 1,662,028; Mar. 6.
- Gold, Reginald E. (See Huxtable, W. G., and Gold.)
- Gold, Samuel B., assignor to Weber Engine Company, Kansas City, Mo. Coupling. 1,685,158; Sept. 25.
- Goldberg Brothers Company. (See Ellis, Ervin R., assignor.)
- Goldberg, Emanuel, and M. Nowicki, assignors to the firm: Zeiss-Jkon Aktiengesellschaft, Dresden, Germany. Film box. 1,667,110; Apr. 24.
- Goldberg, Harry. (See Ganny, L. C., and Goldberg.)
- Goldberg, Herman, Washington, D. C. Direction-indicating signal. 1,675,342; July 3.
- Goldberg, Jacob M. (See Goldberg, Louis B., N. W., and J. M.)
- Goldberg, Jacob M., Brooklyn, N. Y. Automotive vehicle construction. 1,662,246; Mar. 13.
- Goldberg, Jacob M., assignor to The Colorado Tent & Awning Company, Denver, Colo. Center-support assembly for tents. 1,669,611; May 15.
- Goldberg, Louis. (See Schreiber, Harry, assignor.)
- Goldberg, Louis. (See Schreiber, H., and Goldberg.)
- Goldberg, Louis B., N. W., and J. M., Denver, Colo. Camp stove. 1,656,480; Jan. 17.
- Goldberg, Louis B., N. W., and J. M., Denver, Colo. Poleless tent. 1,687,722; Oct. 16.
- Goldberg, M. J., and Söhne, G. m. b. H. (See Thèremin, Leo S., assignor.)
- Goldberg, Max W., assignor to Modern Pouring Device Co., Port Washington, Wis. Pouring and lifting device. 1,665,452; Apr. 10.
- Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Printing and perforating mechanism for cash registers. 1,657,712; Jan. 31.
- Goldberg, Maximilian M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,694,009; Dec. 4.
- Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Priming device. 1,672,209; June 5.
- Goldberg, Morris J., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pressure-relief means. 1,678,905; July 31.
- Goldberg, Morris L., Brooklyn, N. Y. Table lamp. Des. 74,561; Feb. 28.
- Goldberg, Morris L., Brooklyn, N. Y. Combined lamp and mounting therefor. Des. 75,103; May 8.
- Goldberg, Morris L., Brooklyn, N. Y. Clock mounting. Des. 75,486; June 12.
- Goldberg, Morris L., Brooklyn, N. Y. Combined lamp and mounting. Des. 76,746; Oct. 30.
- Goldberg, Nathan. (See Goldberg, Louis B., N. W., and J. M.)
- Goldberg, Samuel, assignor to Goldberg & Squire, Incorporated, New York, N. Y. Necktie. 1,694,816; Dec. 11.
- Goldberg, Samuel and V., Baltimore, Md.; said V. Goldberg assignor to said S. Goldberg. Liquid receptacle. 1,695,583; Dec. 18.
- Goldberg, Solomon H. (See Orr, A. N., and Goldberg.)
- Goldberg, Solomon H. (See Willi, Frederick D., assignor.)
- Goldberg & Squire, Incorporated. (See Goldberg, Samuel, assignor.)
- Goldberg, Victor. (See Goldberg, Samuel and V.)
- Goldberg, William. (See Goldberg, Louis B., N. W., and J. M.)
- Goldene, Jacob, Oakland, Calif., and M. D. Tarlow and C. Z. Edelson, Portland, Oreg. Mattress button. 1,656,191; Jan. 17.
- Golden, Harry S., Flint, assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Clutch with tooth plates. 1,662,512; Mar. 13.
- Golden, Louis J., assignor to B. & B. Shoe Company, Chicago, Ill. Baby shoes. Des. 76,233; Sept. 4.
- Golden, William G., assignor to United States Foli Co., Louisville, Ky. Coloring foil. 1,662,574; Mar. 13.
- Golder, Abraham, Everett, Mass. Combination lock. 1,691,240; Nov. 13.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,366; Feb. 7.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,425; Feb. 14.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,426; Feb. 14.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,427; Feb. 14.

- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,428; Feb. 14.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,429; Feb. 14.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,430; Feb. 14.
- Goldfield, Abraham T., Spring Valley, N. Y., assignor to New York Clock Corporation. Clock case. Des. 74,431; Feb. 14.
- Goldfield, Edwin R., and C. Horsely, assignors to The Engin Electric Company, Cleveland, Ohio. Applicator-securing means. 1,694,649; Dec. 11.
- Goldfinger, Hyman, Astoria, N. Y., assignor of fifty one-hundredths to G. Lipschutz, Irvington, N. J. Apparatus for cutting fowls. 1,687,663; Oct. 16.
- Goldhammer, Leo, assignor to A. H. Rietzschel G. m. b. H., Munich, Germany. Spool holder for film cameras. 1,678,430; July 24.
- Golding, Edwin L., assignor to Stehli Fabrics Corporation, New York, N. Y. Woven fabric and its manufacture. 1,655,387; Jan. 3.
- Goldish, Sadie D., Marietta, Ohio. Insecticide holder. 1,658,596; Feb. 7.
- Golkamp, Otto B., assignor of one-half to San Diego Consolidated Gas and Electric Company and one-fourth to S. R. Siebert, San Diego, Calif. Fluid regulator. 1,679,215; July 31.
- Goldman, Alvin D. (See Methudy, Carl E., assignor.)
- Goldman, Alvin D. (See Methudy, Eugene R., assignor.)
- Goldman, Harry B., Pittsburgh, Pa. Electric control system. 1,691,241; Nov. 13.
- Goldman, Max, Los Angeles, Calif. Bow-tie rack. Des. 74,733; Mar. 20.
- Goldman, Paul E., Pittsburgh, Pa. Washboiler. 1,664,921; Apr. 3.
- Goldman, Ralph H., New York, N. Y., assignor to Henry L. Hughes Co. Inc. Manicuring instrument. Re16,869; Feb. 7.
- Goldman, Sigmund L., assignor to Red Sun Products Co., Chicago, Ill. Bottle-capping machine. 1,691,652; Nov. 13.
- Goldrick, Albert R., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. Re17,043; July 17.
- Goldrick, Albert R., Cleveland, Ohio, assignor to J. P. Eastman, Manitowoc, Wis. Electric plug connector. 1,672,521; June 5.
- Goldsboro, James F., Fairchance, Pa. Bracket. 1,662,667; Mar. 13.
- Goldsborough, John B., Croton on Hudson, N. Y. Constructing pile. 1,654,644; Jan. 3.
- Goldsborough, Paul, assignor of one-fourth to A. P. Upton, Minneapolis, Minn. Combined radio and phonographic recording and reproducing system. 1,676,491; July 10.
- Goldsborough, Shirley L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction relay. 1,677,336; July 17.
- Goldschmidt, Rudolf, Charlottenburg, Germany. Mechanical hammer. 1,657,387; Jan. 24.
- Goldschmidt, Rudolf, Charlottenburg, Germany. Mechanical hammer. 1,667,516; Apr. 24.
- Goldschmidt, Rudolf, Charlottenburg, Germany. Mechanical hammer. 1,672,885; June 12.
- Goldschmidt, Rudolf, Charlottenburg, Berlin, Germany. Mechanism for measuring the frequency of the pulse. 1,675,799; July 3.
- Goldschmidt, Rudolf, Charlottenburg, Berlin, Germany. Mechanism for measuring the frequency of the pulse. 1,675,800; July 3.
- Goldschmidt, Stefan, Karlsruhe, Germany. Oxidation of alcohol. 1,666,447; Apr. 17.
- Goldschmidt, Th., A.-G. (See Schertel, L., and Lütty, assignors.)
- Goldsmith, Alfred N., Mount Vernon, N. Y., assignor to Radio Corporation of America. Antenna. 1,683,773; Sept. 11.
- Goldsmith, Bertram J., New York, and E. Koeb, Tuckahoe, assignors, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y. Operating handle and forming the same. 1,660,158; Feb. 21.
- Goldsmith, Bertram J., New York, and E. Koeb, Tuckahoe, assignors to Perfect Window Regulator Corporation, Long Island City, N. Y. Window mounting. 1,674,432; June 19.
- Goldsmith, Bertram J., and E. Koeb, New York, assignors, by mesne assignments, to Perfect Window Regulator Corporation, Long Island City, N. Y. Window and door construction. 1,675,704; July 3.
- Goldsmith, Bertram J., and E. Koeb, New York, assignors to Perfect Window Regulator Corporation, Long Island City, N. Y. Window construction. 1,682,670; Aug. 28.
- Goldsmith, Bertram J., and E. Koeb, New York, assignors to Perfect Window Regulator Corporation, Long Island City, N. Y. Window construction. 1,687,015; Oct. 9.
- Goldsmith, Byron B., deceased, New York, N. Y.; G. A. Spiegeberg, executor. Testing and sorting machine. 1,656,887; Jan. 17.
- Goldsmith, Fred C., assignor to W-K-M Company, Houston, Tex. Wrist pin. 1,654,586; Jan. 3.
- Goldsmith, Gustave M., Cincinnati, and C. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Constructing vault or safe doors and the like. 1,692,550; Nov. 20.
- Goldsmith, Hugo, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Athlete's protective harness. 1,685,452; Sept. 25.
- Goldsmith, Hugo, assignor to The P. Goldsmith Sons Company, Cincinnati, Ohio. Football protective harness. 1,687,126; Oct. 9.
- Goldsmith, Louis, Altoona, Pa. Electric sign. 1,695,895; Dec. 18.
- Goldsmith, Louis, Brooklyn, assignor of one-half to S. R. Goldsmith, New York, N. Y. Lady's hand and underarm bag construction. 1,692,205; Nov. 20.
- Goldsmith, Maurice O., Boston, Mass. Roller window screen. 1,673,326; June 12.
- Goldsmith Metal Lath Company, The. (See Goldsmith, William M., assignor.)
- Goldsmith, P., Sons Company, The. (See Goldsmith, Hugo, assignor.)
- Goldsmith, Samuel R. (See Goldsmith, Louis, assignor.)
- Goldsmith, Thomas R., Erie, Pa., assignor to American Meter Company, Incorporated, New York, N. Y. Meter. 1,654,541; Jan. 3.
- Goldsmith, William M., assignor to The Goldsmith Metal Lath Company, Cincinnati, Ohio. Construction frame. 1,654,970; Jan. 3.
- Goldstein, Aaron A., Buffalo, N. Y. Coupling device. 1,693,077; Nov. 27.
- Goldstein, Abraham, New York, N. Y. Traveling case. 1,692,115; Nov. 20.
- Goldstein, Abraham L., and M. Jaffe, assignors to Standard Fowl Plucker Inc., New York, N. Y. Fowl-plucking machine. 1,674,968; June 26.
- Goldstein, Adolph O., Santa Cruz, Calif. Combined casing and base for an ice shaver. Des. 75,104; May 8.
- Goldstein, Fred W., and R. M. Deahl, Fairbury, Nebr. Speed air-brake-cylinder head. 1,674,777; June 26.
- Goldstein, Isidore M., assignor to Morris Becker, Brooklyn, N. Y. Jumping rope. 1,666,201; Apr. 17.
- Goldstein, Samuel, New York, N. Y. Pressing machine. 1,668,501; May 1.
- Goldstein, William. (See Gray, William C., assignor.)
- Goldston, David C., assignor to Blystone Manufacturing Company, Cambridge Springs, Pa. Molding machine. 1,695,327; Dec. 18.
- Goldsworthy, Norman H., and G. Flook, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for drying metal cans. 1,688,541; Oct. 23.
- Goldthorpe, William O. (See Ellis, G. H., and Goldthorpe.)
- Goldthwaite, Herbert J., St. Augustine, Fla. Illuminating device for automobile hoods. 1,675,026; June 26.
- Goldwyn Brothers. (See Manly, Fred G.)
- Goldwyn, George L., et al. (See Manly, Fred G., assignor.)
- Goldwyn, George L., Chicago, Ill. Metallic collar and the like. 1,669,934; May 15.
- Goldwyn, George L., Chicago, Ill. Folding cot. 1,671,638; May 29.
- Goldwyn, Herman, et al. (See Manly, Fred G., assignor.)
- Goldwyn, Walter M. (See Kellner, E., and Goldwyn.)
- Golembewski, Boleslaw, Utica, N. Y. Sled runner for automobiles. 1,694,215; Dec. 4.
- Golfada Company, The. (See Walker, Norman S., assignor.)
- Golightly, William J., Kokomo, Ind., assignor to Pittsburgh Plate Glass Company. Apparatus for forming and handling clay pots. 1,683,245; Sept. 4.
- Golladay, Lawrence R. (See Crichton, L. N., and Golladay.)
- Golladay, Lawrence R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic reclosing circuit interrupter. 1,669,516; May 15.
- Golland, Henry S., Eccles, England. Producing cross-wound cops in spinning mules and the like. 1,672,024; June 5.
- Goller, Eugene E., assignor to Unique Manufacturing Company, Chicago, Ill. Vaporizing nozzle. 1,677,766; July 17.
- Gollnick, Paul A., assignor to Spiegel, May, Stern Co., Chicago, Ill. Sheet-handling mechanism. 1,666,171; Apr. 17.
- Gollnick, Paul A., assignor to Spiegel, May Stern Company, Chicago, Ill. Tray. 1,666,172; Apr. 17.
- Gollnick, Paul A., and J. J. Toolan, assignors to Spiegel, May, Stern Co., Chicago, Ill. Pneumatic mechanism for handling sheets. 1,669,556; May 15.
- Gollnick, Paul A., J. J. Toolan, and G. Harred, assignors to Spiegel, May, Stern Company, Chicago, Ill. Platen. 1,655,949; Jan. 10.
- Gollnick, Paul A., J. J. Toolan, and G. Harred, assignors to Spiegel, May, Stern Company, Chicago, Ill. Printing mechanism for addressing machines. 1,671,715; May 29.
- Gollomb, Herman, Brooklyn, N. Y. Photographic-film hanger. 1,666,895; Apr. 24.
- Gollomb, Herman, Brooklyn, N. Y. Tube compressor. 1,695,280; Dec. 18.
- Golombowski, Stanley M., Milwaukee, Wis. Automobile signal switch. 1,656,704; Jan. 17.
- Goltstein, Ewald, Bonn, Germany. Mercury-vapor lamp. 1,669,819; May 15.

- Gomez, Adolfo. (See Martinez, F., and Gomez.)
- Gomme, Ebenezer. High Wycombe, England. Furniture fitting. 1,666,646; Apr. 17.
- Gommel, Dewey E., assignor to E. C. Atkins & Company, Indianapolis, Ind. Hack saw. 1,665,090; Apr. 3.
- Gomory, Albert B., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Apparatus for winding armatures. 1,661,331; Mar. 6.
- Gomory, Albert B., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Manufacture of armatures. 1,661,332; Mar. 6.
- Gomory, William L., assignor to C. M. Leonard, Chicago, Ill. Cracking hydrocarbons. 1,670,804; May 22.
- Gomory, William L., assignor to C. M. Leonard, Chicago, Ill. Crude-oil preheater. 1,670,805; May 22.
- Gomory, William L., Chicago, Ill., assignor to Standard Development Company. Header or coupling. 1,675,173; June 26.
- Gonard, John L., Englewood Cliffs, N. J., assignor, by mesne assignments, to Kant-Back Corporation. Device for preventing retrograde movement. 1,680,148; Aug. 7.
- Gong Bell Manufacturing Company. (See Watrous, Clifford M., assignor.)
- Gonsett, Robert R., assignor of one-half to A. J. Smith, one-eighth to W. D. Spencer, and one thirty-second to V. V. Ulom, Los Angeles, Calif. Time-controlled circuit controller. 1,678,217; July 24.
- Gonyk, Ignatz, Ljubljana, Yugoslavia. Padlock. 1,670,960; May 22.
- Gonyk, Ignatz, Ljubljana, Yugoslavia. Automatic lubricating device for hinges of doors and windows. 1,677,441; July 17.
- Gonyk, Ignatz, Ljubljana, Kingdom of the Serbs, Croats and Slovenes. Distributing device for solid soap. 1,693,480; Nov. 27.
- Gonzalez, Guillermo, Johnstown, Pa. Device for playing musical instruments. 1,690,860; Nov. 6.
- González, Joaquin M., Oriente, Cuba. Injector. 1,693,201; Nov. 27.
- Gooch, Claiborne W., jr., assignor to United Cigarette Machine Co. Inc., Lynchburg, Va. Constant-level hopper for tobacco-feeding machines. 1,692,648; Nov. 20.
- Gooch, Claiborne W., jr., and A. L. Evers, assignors to Tobacco Stemming Machine Company, Lynchburg, Va. Tobacco handling and stemming machine and method. 1,689,171; Oct. 23.
- Gooch, T. D., et al. (See Sherrod, Robert L., assignor.)
- Good, Charles W. (See Langford, G. W., Barrows, and Good.)
- Good, Daniel, F., assignor to Frick Company, Waynesboro, Pa. Casing for antifriction bearing. 1,695,146; Dec. 11.
- Good Inventions Co. (See Good, John, assignor.)
- Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Combination carburetor and fuel burner. 1,669,979; May 15.
- Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Engine-heating apparatus. 1,679,521; Aug. 7.
- Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Engine-heating apparatus. 1,692,297; Nov. 20.
- Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Combustion engine. 1,695,186; Dec. 11.
- Good, John F., Knoxville, Tenn. Display-tray construction for show cases. 1,666,851; Apr. 17.
- Good, Samuel, Newton, Kans. Electric fan. 1,694,317; Dec. 4.
- Goodactive, Nils E., New York, N. Y. Cone belt shifter. 1,692,829; Nov. 27.
- Good-Ad, Inc. (See Stevens, Bertram J., assignor.)
- Goodall, Fred, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Bead-ring remover for use in tire factories. 1,663,697; Mar. 27.
- Goodall, Fred, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for handling tacky strip material. 1,677,861; July 17.
- Goodall, Howard W. (See Monick, G. H., and Goodall.)
- Goodall, Howard W., Aldan, and J. W. Walsh, Philadelphia, Pa. Hose clamp. 1,694,538; Dec. 11.
- Goodbody, Edmund M., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix assembler for typographical machines. 1,657,962; Jan. 31.
- Goodby, Albert E. (See Curran, Joseph S., assignor.)
- Goodchild, Walter, and N. Sclar, assignors to Magic Device Corporation, Hoboken, N. J. Vending machine. 1,677,519; July 17.
- Goode, Gilbert C., East Cleveland, assignor to The White Motor Company, Cleveland, Ohio. Vehicle spring connection. 1,691,185; Nov. 13.
- Goode, Ignatius J., Chicago, Ill. Jar. Des. 74,562; Feb. 28.
- Goodell, Alfred, Rockford, Ill. Sanitary wall tile. 1,693,438; Nov. 27.
- Goodenough, Wells P., et al. (See Vilneau, W. W., and Chittenden, assignors.)
- Goodenow, Harry E., Winter Haven, Fla. Clutch. 1,659,428; Feb. 14.
- Goodfellow, Alfred, assignor to C. L. Huston, Coatesville, Pa. Electromagnetic carrier system for heavy plate. 1,685,539; Sept. 25.
- Goodfriend, Henry, assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Ceiling light. Des. 75,362; May 29.
- Goodfriend, Henry, assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Ceiling light. Des. 75,363; May 29.
- Goodhue, Julian G., Evanston, and H. J. Sauvage, assignors to Electro Thermostatic Control Company, Chicago, Ill. Oil-burner control. 1,660,959; Feb. 28.
- Goodhue, Julian G., Evanston, assignor to trustees of the Electric Thermostatic Control Company, Chicago, Ill. Thermostatic control of electric circuits and apparatus and other devices. 1,695,546; Dec. 18.
- Goodier, Frank, Upington, Cape Province, South Africa. Vacuum siphon pump. 1,674,201; June 19.
- Gooding, Arthur T., London, England. Combined baby's high chair and cot. 1,684,052; Sept. 11.
- Gooding, George F., Seattle, Wash. Collapsible bench leg. 1,682,671; Aug. 28.
- Goodkowitz, Hyman S., Suffolk, Va. Vehicle wheel rim. 1,675,488; July 3.
- Goodlatte, T. R., & Sons (Inc.). (See Thorne, Edward, assignor.)
- Goodlett, Edward W. (See Wheeler, C. E., and Goodlett.)
- Goodloe, Speed S., Philadelphia, Pa. Tobacco-pipe cleaner. 1,659,095; Feb. 14.
- Goodman, Barney, Chicago, Ill. Draft regulator. 1,693,813; Dec. 4.
- Goodman, Barney, Chicago, Ill. Draft regulator. 1,693,814; Dec. 4.
- Goodman, Clara R., Ithaca, N. Y. Ironing board. 1,696,798; Dec. 25.
- Goodman, Floyd O., Lewiston, Idaho. Inventory. 1,690,576; Nov. 6.
- Goodman, Henry. (See Remmers, Harry C., assignor.)
- Goodman, Joseph, Whiteville, assignor to The Mt. Carmel Mfg. Co., Mount Carmel, Conn. Door handle. 1,663,938; Mar. 27.
- Goodman, Joseph, Whiteville, assignor to The Mount Carmel Manufacturing Company, Mount Carmel, Conn. Looking handle. 1,668,958; May 8.
- Goodman, Joseph, Whiteville, and W. A. Somers, Hamden, assignors to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn. Shade roller. 1,681,767; Aug. 21.
- Goodman, Louis, San Francisco, Calif. Grease-dispensing device. 1,659,950; Feb. 21.
- Goodman Manufacturing Company. (See Davis, Charles B., assignor.)
- Goodman Manufacturing Company. (See Farnham, Sidney W., assignor.)
- Goodman Manufacturing Company. (See Gray, Walter S., assignor.)
- Goodman Manufacturing Company. (See McCullough, William T., assignor.)
- Goodman Manufacturing Company. (See Poole, Clarence F., assignor.)
- Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
- Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
- Goodman Manufacturing Company. (See Sloane, William W., assignor.)
- Goodman, Patrick, Brooklyn, N. Y. Gas-main stopper. 1,695,187; Dec. 11.
- Goodman, Robert H., Romance, Ark. Cultivator. 1,678,200; Oct. 9.
- Goodman, William, Englewood, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Variable-capacity compressor. 1,671,984; June 5.
- Goodman, William H., Kensington, London, England, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,681,884; Aug. 21.
- Goodner, James A., Rocky Ford, Colo. Conveyor. 1,659,973; Feb. 21.
- Goodrich, B. F., Company, The. (See Ambler, Robert R., assignor.)
- Goodrich, B. F., Company, The. (See Annis, Burton B., assignor.)
- Goodrich, B. F., Company, The. (See Bauman, Harry A., assignor.)
- Goodrich, B. F., Company, The. (See Black, Charles D., assignor.)
- Goodrich, B. F., Company, The. (See Bodle, Virgil H., assignor.)
- Goodrich, B. F., Company, The. (See Bodle, V. H., and Francisco, assignors.)
- Goodrich, B. F., Company, The. (See Brundage, James W., assignor.)
- Goodrich, B. F., Company, The. (See Delzell, Harold W., assignor.)
- Goodrich, B. F., Company, The. (See Eakin, Willard D., assignor.)
- Goodrich, B. F., Company, The. (See Esch, Max W., assignor.)
- Goodrich, B. F., Company, The. (See Evans, Walter W., assignor.)
- Goodrich, B. F., Company, The. (See Evans, B. A., and Slabaugh, assignors.)
- Goodrich, B. F., Company, The. (See Feyzes, Alois, assignor.)
- Goodrich, B. F., Company, The. (See Fisher, Harry L., assignor.)
- Goodrich, B. F., Company, The. (See Fitch, Edward H., assignor.)
- Goodrich, B. F., Company, The. (See Fritz, Roy D., assignor.)
- Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)

- Goodrich, B. F., Company, The. (See Gammeter, J. R., and Cadden, assignors.)
- Goodrich, B. F., Company, The. (See Gammeter, J. R., Shook, and Wilson, assignors.)
- Goodrich, B. F., Company, The. (See Geer, W. C., and Sherwood, assignors.)
- Goodrich, B. F., Company, The. (See Goodwin, John O., assignor.)
- Goodrich, B. F., Company, The. (See Graham, T. G., and Schippel, assignors.)
- Goodrich, B. F., Company, The. (See Gray, Harold, assignor.)
- Goodrich, B. F., Company, The. (See Hartung, Florenz P., assignor.)
- Goodrich, B. F., Company, The. (See Kmentt, Waldemar D., assignor.)
- Goodrich, B. F., Company, The. (See Kmentt, W. D., and Waner, assignors.)
- Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
- Goodrich, B. F., Company, The. (See Livermore, George A., assignor.)
- Goodrich, B. F., Company, The. (See MacDonald, Frank J., assignor.)
- Goodrich, B. F., Company, The. (See Martin, F. H., and L'Hollier, assignors.)
- Goodrich, B. F., Company, The. (See Matthias, Gilbert L., assignor.)
- Goodrich, B. F., Company, The. (See Mell, Tod J., assignor.)
- Goodrich, B. F., Company, The. (See Merrill, Allan B., assignor.)
- Goodrich, B. F., Company, The. (See Pierson, Robert M., assignor.)
- Goodrich, B. F., Company, The. (See Rennie, William F., assignor.)
- Goodrich, B. F., Company, The. (See Schippel, Henry F., assignor.)
- Goodrich, B. F., Company, The. (See Shipman, Carl C., assignor.)
- Goodrich, B. F., Company, The. (See Tew, James D., assignor.)
- Goodrich, B. F., Company, The. (See Trumbull, H. L., and Dickson, assignors.)
- Goodrich, B. F., Company. (See Waner, Harry E., assignor.)
- Goodrich, B. F., Company, The. (See Warner, Noah L., assignor.)
- Goodrich, B. F., Company, The. (See Whitney, Ralph H., assignor.)
- Goodrich, B. F., Company, The, et al. (See Wilhelmi, Dirk F., assignor.)
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Yieldable connector for electric cables. 1,662,245; Mar. 13.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Air-supply connection for turntables. 1,663,372; Mar. 20.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Support for overhead cables. 1,664,922; Apr. 3.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Beam or pole structure. 1,676,824; July 10.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Overhead support. 1,675,431; July 24.
- Goodrich, Chauncey M., Windsor, Ontario, Canada. Electrification pole. 1,687,979; Oct. 16.
- Goodrich, Coy C., San Francisco, Calif. Supply means for lubricant-distributing systems. 1,671,421; May 29.
- Goodrich, Francis H., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,636,481; Jan. 17.
- Goodrick, Perry C., assignor to Canvas Products Corporation, Fond du Lac, Wis. Container. 1,670,719; May 22.
- Goodridge, George E., Reading, assignor, by mesne assignments, to Arthur H. Ballard, Incorporated, Boston, Mass. Rotary pump. 1,686,272; Oct. 2.
- Goodridge, Gilbert W., Fairfield, assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Pencil carrier. 1,677,767; July 17.
- Goodridge, Gilbert W., Fairfield, and W. J. Gagnon, assignors to The Bead Chain Manufacturing Company, Bridgeport, Conn. Jump-ring coupling. 1,692,649; Nov. 20.
- Goodroad, Frank A. E., Canton, S. Dak. Signaling apparatus for vehicles. 1,686,691; Oct. 9.
- Good Roads Equipment Corporation. (See Coats, George A., assignor.)
- Goodrow, Harvey L., Hinsdale, assignor to Wm. Goodrow Moulding Co., Chicago, Ill. Window cornice. 1,677,627; July 17.
- Goodrow, Wm., Moulding Co. (See Goodrow, Harvey L., assignor.)
- Goodrum, May P. (See Patterson, Sanford S., assignor.)
- Goodrum, Thomas J., Houston, Tex. Child's crib. 1,670,536; May 22.
- Goodsell, Ira R., Tulsa, Okla. Valve-spring compression. 1,687,723; Oct. 16.
- Goodspeed, Charles A., Detroit, assignor to W. W. Blakeley, Dexter, Mich. Linkage. 1,670,501; May 22.
- Goodspeed, Franklin S., New York, N. Y., assignor to Westinghouse Lamp Company. Lamp wrapper. 1,686,273; Oct. 2.
- Goodstone, Adolph, New York, N. Y. Alarm or signal device operated by the flow of gas to burners. 1,671,578; May 29.
- Goodwillie, David H., Toledo, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio. Furnace construction. 1,655,680; Jan. 10.
- Goodwin, Alan M., Boston, Mass., assignor to General Electric Company. Auxiliary control means for prime movers. 1,694,975; Dec. 11.
- Goodwin, Edward W., Detroit, Mich. Combination automobile body hood, and fenders. Des. 77,231; Dec. 18.
- Goodwin, Edwin W., South Berwick, Me., assignor to Dexter Folder Company, New York, N. Y. Folding machine. 1,672,935; June 12.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Coupler shank and yoke connection. Re16,959; May 15.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Draft gear. 1,696,115; Dec. 18.
- Goodwin, Ernest G., Pelham, assignor to Standard Coupler Company, New York, N. Y. Wear plate. 1,696,116; Dec. 18.
- Goodwin, George L., Chicago, Ill., assignor to The International Committee of Young Men's Christian Associations, New York, N. Y. Card rack. 1,676,492; July 10.
- Goodwin, Harold. (See Saunders, K. H., and Goodwin.)
- Goodwin, Henry L., New York, N. Y. Cooking vessel. 1,694,378; Dec. 11.
- Goodwin, James J., assignor to Goodwin Laboratories, Inc., Louisville, Ky. Germicidal compound. 1,696,762; Dec. 25.
- Goodwin, James J., and R. L. Parr, Columbus, Ga.; said Goodwin assignor to said Parr. Shearing flange. 1,655,693; Jan. 10.
- Goodwin, John H., assignor to W. F. Overly & Son, Greensburg, Pa. Roof structure. 1,639,131; Oct. 23.
- Goodwin, John O., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-making apparatus. 1,663,756; Mar. 27.
- Goodwin, Joseph W., et al. (See Muckey, Floyd S., assignor.)
- Goodwin Laboratories, Inc. (See Goodwin, James J., assignor.)
- Goodwin, Ralph T., Elizabeth, N. J., assignor to Standard Oil Development Company. Oil composition and preparing the same. 1,660,294; Feb. 21.
- Goodwin, Ralph T., Elizabeth, N. J., assignor to Standard Oil Development Company. Treatment of hydrocarbon residues and product obtained thereby. 1,660,295; Feb. 21.
- Goodwin, William M., Central Square, N. Y. Poppet-valve-actuating device. 1,684,955; Sept. 18.
- Goodwin, William M., Central Square, N. Y. Internal-combustion engine. 1,691,151; Nov. 13.
- Goodwin, William N., Jr., Newark, N. J. Apparatus for testing vacuum tubes of the audion type. 1,689,871; Oct. 30.
- Goodyear Tire & Rubber Company, The. (See Burdette, Richard S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Campbell, Wallace H., assignor.)
- Goodyear Tire & Rubber Company, The. (See Carson, Clarence M., assignor.)
- Goodyear Tire & Rubber Company, The. (See Churchill, Leonard R., assignor.)
- Goodyear Tire & Rubber Company, The. (See Clark, Elmer, assignor.)
- Goodyear Tire & Rubber Company, The. (See Clifford, Albert M., assignor.)
- Goodyear Tire & Rubber Company, The. (See Darrow, Burgess, assignor.)
- Goodyear Tire & Rubber Company, The. (See Dougherty, Leslie E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Eldridge, Walter J., assignor.)
- Goodyear Tire & Rubber Company, The. (See Evans, Rhys D., assignor.)
- Goodyear Tire & Rubber Company, The. (See Griggs, Joseph P., assignor.)
- Goodyear Tire & Rubber Company, The. (See Haase, Jorgen I., assignor.)
- Goodyear Tire & Rubber Company, The. (See Hainer, Russell W., assignor.)
- Goodyear Tire & Rubber Company, The. (See Hale, James E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Hall, Lindsay, S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Harrington, Sidney R., assignor.)
- Goodyear Tire & Rubber Company, The. (See Hunter, John R., assignor.)
- Goodyear Tire & Rubber Company, The. (See Jenkinson, Ross E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kastner, Edward C., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kelly, William J., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kimball, Norris E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kimmich, Elmer G., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
- Goodyear Tire & Rubber Company, The. (See Kurtz, Stewart S., Jr., assignor.)

- Goodyear Tire & Rubber Company, The. (See Lewis, Warren K., assignor.)
- Goodyear Tire & Rubber Company, The. (See Lind, Frederick A., assignor.)
- Goodyear Tire & Rubber Company, The. (See Maas, Elov F., assignor.)
- Goodyear Tire & Rubber Company, The. (See Messer, Vladimir V., assignor.)
- Goodyear Tire & Rubber Company, The. (See Nelson, Max C., assignor.)
- Goodyear Tire & Rubber Company, The. (See O'Brien, William G., assignor.)
- Goodyear Tire & Rubber Company, The. (See Roth, Charles H., assignor.)
- Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)
- Goodyear Tire & Rubber Company, The. (See Sebrell, L. B., and Teppema, assignors.)
- Goodyear Tire & Rubber Company, The. (See Shively, Jess A., assignor.)
- Goodyear Tire & Rubber Company, The. (See Shoaff, Paul S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Snyder, Robert W., assignor.)
- Goodyear Tire & Rubber Company, The. (See Teisher, Austin A., assignor.)
- Goodyear Tire & Rubber Company, The. (See Templeton, Edwin G., assignor.)
- Goodyear Tire & Rubber Company, The. (See Templin, Ellis W., assignor.)
- Goodyear Tire & Rubber Company, The. (See Van Arsdale, Clarence C., assignor.)
- Goodyear Tire & Rubber Company, The. (See Van Orman, Ward T., assignor.)
- Goodyear Tire & Rubber Company, The. (See Van Rennes, Cornelis, assignor.)
- Goodyear Tire & Rubber Company, The. (See Venable, Charles S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Washburn, Leon S., assignor.)
- Goodyear Tire & Rubber Company, The. (See Wetmore, Laurence, assignor.)
- Goodyear Tire & Rubber Company, The. (See Williams, Dayton L., assignor.)
- Goodyear Zeppelin Corporation. (See Arnstein, Karl, assignor.)
- Goodyear-Zeppelin Corporation. (See Brunner, Eugen, assignor.)
- Goodyear Zeppelin Corporation. (See Liebert, H. R., and Fischer, assignors.)
- Goodyear-Zeppelin Corporation. (See Liebert, H. R., and Schoettel, assignors.)
- Goodyear-Zeppelin Corporation. (See Schnitzer, Benjamin, assignor.)
- Goodyear-Zeppelin Corporation. (See Schoettel, Eugen, assignor.)
- Goodyear's India Rubber Glove Mfg. Co., The. (See Hopkinson, Russell, assignor.)
- Goosede, Elias, Brooklyn, N. Y. Gas-saving device. 1,681,230; Aug. 21.
- Goosmann, Justus C., Peoria, Ill. Thermostatic switch control. 1,671,985; June 5.
- Göpel, Carl, Halle-on-the-Saale, Germany. Device for discharging praline cores from the powdering box. 1,677,179; July 17.
- Göpel, Carl, Halle-on-the-Saale, Germany. Device for dispowdering confectionery. 1,694,590; Dec. 11.
- Goranson, Joseph O., Seattle, Wash. Warehouse tool. 1,694,173; Dec. 4.
- Gorbutt, Sidney B., Portland, Oreg. Two-speed power take-off. 1,691,346; Nov. 13.
- Gordon, Aaron. (See Lipman, C. B., and Gordon.)
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pick and pick motion for box looms. 1,663,939; Mar. 27.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cutting and clamping mechanism for picks and pick looms. 1,663,941; Mar. 27.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Color indicator for weft-replenishing looms. 1,663,942; Mar. 27.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box motion for looms. 1,668,146; May 1.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. 1,674,860; June 26.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for automatic looms. 1,674,861; June 26.
- Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 1,674,862; June 26.
- Gordon, Albert A., and A. F. Morrell, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Revoking mechanism for automatic looms. 1,663,940; Mar. 27.
- Gordon, Allan A., assignor to Paye & Baker Manufacturing Co., North Attleboro, Mass. Combined spoon and fork or similar article. Des. 76,013; Aug. 14.
- Gordon, Arthur, Winterset, Iowa. Signboard. Des. 75,487; June 12.
- Gordon, Barnett D., Boston, Mass. Stocking. Des. 76,343; Sept. 18.
- Gordon, Chester S., Boonton, and J. T. Lowe, Newark, N. J., assignors to American Telephone and Telegraph Company. Insulator. 1,687,495; Oct. 16.
- Gordon, Chester S., New York, N. Y., and J. T. Lowe, Newark, N. J., assignors to American Telephone and Telegraph Company. Reduction of attenuation due to the conductance losses in cross arms and insulator pins. 1,687,556; Oct. 16.
- Gordon, Chester S., New York, N. Y., assignor to American Telephone and Telegraph Company. Insulator. 1,694,415; Dec. 11.
- Gordon, David D., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Pull switch. 1,690,366; Nov. 6.
- Gordon, David D., assignor to Economy Fuse & Manufacturing Co., Chicago, Ill. Switch mounting. 1,693,382; Nov. 27.
- Gordon, David D., and W. Lindsay, assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Candle-socket mounting. 1,693,383; Nov. 27.
- Gordon, Doc E., and G. S. Frazer, Oakland, Calif. Vehicle controlling means. 1,690,973; Nov. 6.
- Gordon, Dr. Donald. (See Brown, David L., assignor.)
- Gordon, Douglas S., New Rochelle, N. Y. Meat holder. 1,669,980; May 15.
- Gordon, Frank, Waltham, Mass. Skeleton shirt. 1,671,986; June 5.
- Gordon, Frank A., assignor to National Bread Wrapping Machine Company, Nashua, N. H. Paper-roll support for wrapping and other machines. 1,655,631; Jan. 10.
- Gordon, Frank A., and W. E. Phelps, assignors to National Bread Wrapping Machine Company, Nashua, N. H. Wrapping machine. 1,655,633; Jan. 10.
- Gordon, George B., Brooklyn, N. Y. Clamping device. 1,670,347; May 22.
- Gordon, George D. (See Gordon, Harry E. and G. D.)
- Gordon, Harry, et al. (See Tuñez, Amable S., assignor.)
- Gordon, Harry E. and G. D., Rochester, N. Y. Electric signal for automobiles. 1,676,948; July 10.
- Gordon, Henry R. (See Wiegner, S. P., Davidson, and Gordon.)
- Gordon, Isaac. (See Smith, James E., assignor.)
- Gordon, Isaac, New York, N. Y. Water cycle. 1,667,778; May 1.
- Gordon, James, Chicago, Ill. Score-pad holder. Des. 76,793; Nov. 6.
- Gordon, John W., Temple, assignor to A. C. Ionides, Jr., London, England. Sighting device. 1,672,155; June 5.
- Gordon, Joseph P., Rockford, Ill. Spring-connecting means for belts or straps. 1,688,962; Oct. 23.
- Gordon, Julius L., Brooklyn, N. Y. Radiator cover and electric heater. 1,681,114; Aug. 14.
- Gordon, Kenneth. (See Slade, R. E., and Gordon.)
- Gordon, Lawrence E., assignor to Virginia Table Company, Incorporated, Marion, Va. Chair back or similar article. Des. 76,234; Sept. 4.
- Gordon, Louis W., New York, N. Y. Removable buckle holder for shoes. 1,689,240; Oct. 30.
- Gordon, Milton J. (See Dale, R. B., and Henry, assignors.)
- Gordon, Milton J. (See McClain, T. H., and Dale, assignors.)
- Gordon Motor Crib Company. (See Watt, Homer S., assignor.)
- Gordon, Samuel, Brooklyn, N. Y. Toy automobile. Des. 75,910; July 31.
- Gordon, Walter A., Garden City, and J. J. Murphy and P. Perrone, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Adjustable reference book. 1,695,328; Dec. 18.
- Gordon, William, New York, N. Y. Tobacco-ash receiver. Des. 77,315; Dec. 25.
- Gordon, William A., Shelton, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Machine for manipulating plastic materials. Re17,070; Aug. 28.
- Gore, Charles, Los Angeles, Calif. Vehicle speed control. 1,681,664; Aug. 21.
- Gore, Herbert C., Mount Vernon, assignor to The Fleischmann Company, New York, N. Y. Maltose product and producing same. 1,657,079; Jan. 24.
- Gore, Thomas, Brooklyn, N. Y. Wire rope. 1,656,669; Jan. 17.
- Gore, Thomas, Brooklyn, N. Y. Rope. 1,663,589; Mar. 27.
- Gorham Mfg. Co. (See Magnussen, Erik, assignor.)
- Gorlen Company. (See Dalrymple, William P., assignor.)
- Gorlick, Andrew J., Cleveland, Ohio. Liquid-vending apparatus. 1,672,254; June 5.
- Gorman, Charles W., Muskogee, Okla. Door-operating mechanism. 1,686,851; Oct. 9.
- Gorman, Charles W., Muskogee, Okla. Electric switch. 1,686,852; Oct. 9.
- Gorman, Henry A., Chicago, Ill. Sound-deadening construction. 1,672,255; June 5.
- Gorman, Horace P., Rye, N. Y. Game apparatus. 1,657,388; Jan. 24.
- Gorman, John. (See Poland, John, assignor.)
- Gorman, Thomas A., Johnstown, Pa. Stamping apparatus. 1,675,801; July 3.
- Gorman, Walter J., Jersey City, N. J. Burial vault. 1,691,568; Nov. 13.
- Gormley, Frank L., Brookline, Mass., assignor to The Buda Company, Harvey, Ill. Lifting jack. 1,680,514; Aug. 14.

- Gormley, Frank L., Brookline, Mass., assignor to The Buda Company, Harvey, Ill. Ratchet mechanism for lifting jacks. 1,680,515; Aug. 14.
- Gormley, Frank L., Brookline, Mass., assignor to The Buda Company, Harvey, Ill. Brake mechanism for lifting jacks. 1,687,127; Oct. 9.
- Gorn, Samuel M., San Antonio, Tex. Combined washing and extracting device. 1,657,963; Jan. 31.
- Gorse, Frank W., Co. (See Hall, Ray C., assignor.)
- Gorsuch, George J., assignor to Hickok Manufacturing Company, Rochester, N. Y. Machine for beveling the edges of leather or similar material. 1,694,379; Dec. 11.
- Gorton, Augustine C., Whittenburg, Tex. Cake. Des. 76,474; Oct. 2.
- Gorton, Thomas S., Jr., Evanston, Ill. Novelty box. 1,681,730; Aug. 21.
- Gorton, Walter T., U. S. Army, Springfield, Mass. Mount for machine guns. 1,671,281; May 29.
- Gorton, Walter T., U. S. Army, Springfield, Mass. Combination mount for machine guns. 1,671,282; May 29.
- Gorton, Walter T., U. S. Army, Springfield, Mass. Sear mechanism. 1,677,588; July 17.
- Gorton, William S., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,665,698; Apr. 10.
- Gorton, William S., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,695,844; Dec. 18.
- Goscener, William L., Jersey City, N. J. Smoker's receptacle. 1,681,852; Aug. 21.
- Goshikaisha Jidosha Kyujoki Seissakusho. (See Nishida, S. Ota, and Inose, assignors.)
- Goshko, Michael, Chicago, Ill. Adding machine. 1,657,923; Jan. 31.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Radiocabinet. Des. 75,621; June 26.
- Goss, Byron C., Cleveland, Ohio. Fountain-pen-shaped mistol. 1,663,834; Mar. 27.
- Goss, Harry T., Rutherford, N. J., assignor to The Tabulating Machine Company, Endicott, N. Y. Alphabetical sorter. 1,669,238; May 8.
- Goss, Harry T., Rutherford, N. J., assignor to Cozzens Trading Company, Inc., New York, N. Y. Fabric-measuring machine. 1,679,899; Aug. 7.
- Goss, Oliver P. M., Seattle, Wash., and R. H. Rawson, Portland, Ore. Economically drying by air circulation. 1,663,982; Mar. 27.
- Goss, Plumb R., Kansas City, Mo. Store-service apparatus. 1,675,545; July 3.
- Goss Printing Press Co., The. (See Anderson, Niels C., assignor.)
- Goss Printing Press Company. (See Bell, Robert A., assignor.)
- Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
- Goss Printing Press Company. (See Crafts, Curtis S., assignor.)
- Goss Printing Press Company. (See Evensen, W., and Hermanson, assignors.)
- Gossé, Auguste, assignor to The Societe Française de Constructions Mécaniques (Anciens Etablissements Cail), Paris, France. Boiler. 1,672,455; June 5.
- Gosselin, Marcel. (See Loyer, F., and Gosselin.)
- Gosselink, John G. (See Richter, G. A., Van Arsdell, and Gosselink.)
- Gossett, John N., Sheridan, Mont. Light support. 1,662,668; Mar. 13.
- Gossling, Walter E., Indianapolis, Ind., assignor, by mesne assignments, to Presto-O-Lite Storage Battery Corporation. Spacing and supporting bridge for storage battery plates. 1,663,698; Mar. 27.
- Gossling, Walter E., New York, N. Y., assignor, by mesne assignments, to Presto-O-Lite Storage Battery Corporation. Terminal-post connector. 1,682,221; Aug. 28.
- Gossman, Carl, Glenwood, Ill. Bumper. 1,687,287; Oct. 9.
- Gotchette, Frances B., Oakland, Calif. Thread rack for sewing machines. 1,690,367; Nov. 6.
- Gotsch, Lawrence E. (See Pearne, F. D., and Gotsch.)
- Gottesman, Herman O., New York, N. Y. Emergency umbrella. 1,677,520; July 17.
- Gottlieb, firm: Max. (See Bergl, K., and Dietrich, assignors.)
- Gottlieb, Joseph. (See Kruger, J., and Gottlieb.)
- Gottlieb, Leo R. (See Hatcher, Josh, assignor.)
- Gottschalk, Albert, New York, N. Y. Automatic drain valve. 1,680,288; Aug. 14.
- Gottschalk, Albert, assignor to National Pneumatic Company, New York, N. Y. Door-operating motor. 1,670,535; May 22.
- Gottschalk, Ernest O., Dresden, Germany. Dispensing closure for bottles and the like. 1,664,975; Apr. 3.
- Gottwald, Christian, assignor to The Ric-Wil Company, Cleveland, Ohio. Conduit construction for underground pipes. 1,681,731; Aug. 21.
- Gottwald, Louis F., Syracuse, N. Y. Adjustable partition for dough troughs. 1,663,046; Mar. 20.
- Goucher, Elma E., McMinnville, Ore. Automatic agricultural machine. 1,696,352; Dec. 25.
- Gouckenour, Isaac E., Detroit, Mich. Signal device for automobiles and controlling means for same. 1,674,433; June 19.
- Goudy Gum Company, The. (See Peterson, Erlend F., assignor.)
- Goudy, Carl F., Flushing, assignor to Pacent Radio Corporation, New York, N. Y. Electrical phonograph reproducer. 1,681,897; Aug. 21.
- Goudy, Carl F., Flushing, assignor to Pacent Electric Co., Inc., New York, N. Y. Support for electric pick-up. Des. 76,864; Nov. 13.
- Goudy, William, et al. (See Davison, Lawrence, assignor.)
- Gough, Arthur C., and V. Charushin, Fitchburg, Mass., assignors, by mesne assignments, to Shaw Crane-Putnam Machine Company, Inc. Quartering and thirding attachment. 1,683,290; Sept. 4.
- Gough, James J., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Automatic switching-cord reel. 1,665,737; Apr. 10.
- Gough, James J., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Electric switch. 1,694,216; Dec. 4.
- Gougard, Henri, assignor to Société Belge des Produits Rationnels, Societe Anonyme, Ahin-lez-Huy, Belgium. Respiration gymnastic apparatus. 1,684,221; Sept. 11.
- Gould, Allen A. (See Wellman, S. K., and Gould.)
- Gould, Clark W., Veronia, Ore., assignor to Western Blower Company, Seattle, Wash. Dry kiln. 1,660,670; Feb. 28.
- Gould Coupler Company. (See Creveling, John L., assignor.)
- Gould & Eberhardt. (See Jacobson, Hugo W., assignor.)
- Gould & Eberhardt. (See Zimmermann, William F., assignor.)
- Gould & Eberhardt. (See Zimmermann, W. F., and Hauser, assignors.)
- Gould & Eberhardt. (See Zimmermann, W. F., and Waters, assignors.)
- Gould, Edwin J., Oakland, Calif. Automatic adjusting mechanism. 1,663,882; Mar. 27.
- Gould, Frank D., Oakland, Calif. Auto top. 1,685,530; Sept. 25.
- Gould, George A., Schenectady, N. Y. Cylinder grinder. 1,657,713; Jan. 31.
- Gould, George R., Kansas City, Mo. Tank gauge. 1,656,705; Jan. 17.
- Gould, George W., Colby, Kans. Mechanical figure wheeled toy. 1,656,732; Jan. 17.
- Gould, Harry V., Bridgeport, Conn. Cable connector for outlet boxes. 1,677,628; July 17.
- Gould, John H., Detroit, Mich., and F. Hyatt, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 1,670,766; May 22.
- Gould, John H., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Heater for motor vehicles. 1,676,021; July 3.
- Gould, Leslie A., Bridgeport, Conn. Tuning device. 1,695,919; Dec. 18.
- Gould, Roy F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Zone-metering telephone system. 1,677,079; July 10.
- Gould, Roy F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Cord circuit. 1,693,029; Nov. 27.
- Gould, Roy F., assignor to Reserve Holding Company, Chicago, Ill. Automatic telephone system. 1,696,270; Dec. 25.
- Gould, Rufus, assignor of one-half to Postal Telegraph-Cable Company, New York, N. Y. Anchor rod. 1,694,739; Dec. 11.
- Gould, Rufus H., Worcester, Mass. Locking device for clothes reels. 1,657,672; Jan. 31.
- Gould Storage Battery Company. (See Entz, Theodore B., assignor.)
- Gould Storage Battery Company. (See Gould, William S., assignor.)
- Gould Storage Battery Company. (See Gould, W. S., and Osborne, assignors.)
- Gould Storage Battery Company. (See Klock, R. A., and Entz, assignors.)
- Gould, William S., assignor, by mesne assignments, to Gould Storage Battery Company, Inc., New York, N. Y. System of distribution. 1,680,149; Aug. 7.
- Gould, William S., New York, and W. B. Osborne, Elma, assignors to Gould Storage Battery Company, Inc., New York, N. Y. Separator and making the same. 1,666,007; Apr. 10.
- Gouldbourn, Joseph. (See Ricks, F., and Gouldbourn.)
- Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling mechanism. 1,696,535; Dec. 25.
- Gouldbourn, Joseph, B. P. Cooper, and H. E. Elliott, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,694,441; Dec. 11.
- Gouldbourn, Joseph, and J. W. Goddard, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lining-trimming machine. 1,666,964; Apr. 24.
- Gouldbourn, Joseph, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon boots and shoes. 1,675,753; July 8.
- Gouldbourn, Joseph, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shaping mechanism. 1,658,841; Feb. 14.

- Gouldbourn, Joseph, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Top-lift-trimming machine. 1,685,811; Oct. 2.
- Goulder, Eli I. (See Fishel, A. S., and Goulder.)
- Goulet, William S., Wainwright, Alberta, Canada. Brush-cutting machine. 1,656,517; Jan. 17.
- Goupil, Aimé, Niagara Falls, N. Y. Propelling system for boats. 1,668,452; May 1.
- Gourdon, Georges, Malakoff, France. Electrically-controlled measuring device. 1,663,590; Mar. 27.
- Gourlay, Clarence A., Jamaica, N. Y. Cover table for typewriters. 1,675,648; July 3.
- Gourley, Glenn T. (See Brainard, G. C., Fitch, and Gourley.)
- Gourley, Martin D., North Attleboro, Mass. Bedspread. Des. 75,020; May 1.
- Goutal, Edouard. (See Hennebille, H., and Goutal.)
- Gouty, Clarence A., Bushnell, Ill. Trolley. 1,684,178; Sept. 11.
- Gouverneur, Fairfax H. (See Gouverneur, Minor F. H. and F. H.)
- Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. High-tension insulator. 1,684,441; Sept. 18.
- Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator-knurling device. 1,687,759; Oct. 16.
- Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,690,291; Nov. 6.
- Gouverneur, Minor F. H. and F. H., assignors to Locke Insulator Corporation, Baltimore, Md. Chain link for insulators. 1,657,924; Jan. 31.
- Gouverneur, Minor F. H., Victor, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,688,011; Oct. 16.
- Gouvion, Franz, Brussels, Belgium. Liquid-distributing apparatus. 1,665,093; Apr. 3.
- Govan, James, Birchcliff, Ontario, Canada, and H. S. Ashenhurst, assignors, by mesne assignments, to Insulex Corporation, Chicago, Ill. Building construction. 1,671,946; May 29.
- Gove, Edward H., deceased, Biddeford, Me.; E. J. Gove, executor. Pendulum or swinging flush valve for water-closets. 1,676,234; July 3.
- Gove, Eberard J., executor. (See Gove, Edward H.)
- Gover, Walter B. (See McMurtrie, W. B., and Gover.)
- Government and the People of the United States of America. (See Bennett, Charles A., assignor.)
- Government and the People of the United States of America, The. (See Bryan, H., Ross, and Adams, assignors.)
- Government and the People of the United States of America. (See Dunlap, Matthew E., assignor.)
- Government and the People of the United States of America, The. (See May, E., jr., and Bullen, assignors.)
- Government and the People of the United States of America, The. (See Nelson, Elnathan K., assignor.)
- Government and the People of the United States of America, The. (See Reed, Jesse O., assignor.)
- Government and the People of the United States of America, The. (See Turley, T. B., Ross, and Merz, assignors.)
- Government of the United States, represented by the Secretary of the Navy, The. (See Barry, Louis J., assignor.)
- Govin, Nick. (See Corbiere, Joseph, assignor.)
- Gow, Alexander M., deceased, Duluth, Minn.; American Exchange National Bank of Duluth, executor. Metallurgical furnace. 1,659,869; Feb. 21.
- Gow, Charles R., Company. (See Smith, H. R., and Case, assignors.)
- Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 74,563; Feb. 28.
- Gowdy, Harry M., assignor to The Planet Company, Westfield, Mass. Propeller blade for dishwashing machines. 1,689,383; Oct. 30.
- Gowin, Enoch B., Washington, D. C. Educational folder. 1,670,254; May 15.
- Goyne, Albert F. (See Goyne, C. H., J. G., and A. F., and Dougherty.)
- Goyne, Charles H., J. G., and A. F., and J. H. Dougherty, assignors to Goyne Steam Pump Company, Ashland, Pa. Pump system. 1,682,331; Aug. 28.
- Goyne, John G. (See Goyne, C. H., J. G., and A. F., and Dougherty.)
- Goyne Steam Pump Company. (See Goyne, C. H., J. G., and A. F., and Dougherty, assignors.)
- Goyne, William H., Tillamook, Oreg. Flying machine. 1,665,091; Apr. 3.
- Gozzo, Michael, et al. (See Lindsey, George C., assignor.)
- Graaff, Clemens. (See Brase, Wilhelm, assignor.)
- Graaff, Wilhelm, Berlin, Germany, assignor to Pyrene-Minimax Corporation. Foam fire-extinguishing apparatus. 1,679,859; Aug. 7.
- Grabe, Georg, Nikolasseo, near Berlin, Germany, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,679,522; Aug. 7.
- Grabelsky, Abraham, Bronx, N. Y. Combined fountain pen and watchcase. Des. 76,298; Sept. 11.
- Grabill, John D., Woodstock, Va. Grading machine. 1,661,657; Mar. 6.
- Grace, Ian W. (See Dale, F. F., and Grace.)
- Grace, John F., Arlington, N. J., assignor to Worthington Pump and machinery Corporation, New York, N. Y. Condenser. 1,662,186; Mar. 13.
- Grader, Russell, Manufacturing Company. (See Gustafson, Carl A., assignor.)
- Gradick, Wiley N., assignor to Alex Woldert Company, Tyler, Tex. Nut-cracking machine. 1,695,651; Dec. 18.
- Gradi, Ludwig. (See Weidinger, C., Gradi, and Schönner.)
- Grady, Charles B., West Orange, N. J. Heat exchanger. 1,690,108; Nov. 6.
- Grady, Ernest D., Charlotte, N. C. Addressing machine. 1,688,963; Oct. 23.
- Grady, Frank W., Los Angeles, Calif. Elevator link for sucker rods. 1,667,779; May 1.
- Grady, Franklin, New York, N. Y. Heater. 1,679,937; Aug. 7.
- Grady, J. H., Manufacturing Company. (See Grady, John H., assignor.)
- Grady, John H., assignor to J. H. Grady Manufacturing Company, St. Louis, Mo. Baseball. 1,671,237; May 29.
- Grady, William H., assignor, by mesne assignments, to American Creosoting Company, Louisville, Ky. Extension arm for tram cars. 1,659,140; Feb. 14.
- Grady, William H., assignor, by mesne assignments, to American Creosoting Company, Louisville, Ky. Railway car. 1,660,871; Feb. 28.
- Grady, William H., assignor to American Creosoting Company, Louisville, Ky. Tram car for wood-treating plants. 1,672,456; June 5.
- Grady, William H., assignor to American Creosoting Company, Louisville, Ky. Yard system for wood-preservation plants. 1,675,027; June 26.
- Grady, William H., Louisville, Ky., assignor, by mesne assignments, to American Creosoting Company. Dumping table. 1,694,591; Dec. 11.
- Graef, Ernest W., Caldwell, N. J. Amplifier. 1,665,699; Apr. 10.
- Graefe, Walter L., Griffin, Ga. Preparing pimientos peppers for canning. 1,672,718; June 5.
- Graeff, Clement H., Lakewood, assignor to The Auto Tool & Gauge Company, Cleveland, Ohio. Hair-clipping device. 1,680,289; Aug. 14.
- Graesser, Carl H., Bridgeport, and E. B. Crocker, Stratford, Conn., assignors, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Valve. 1,668,453; May 1.
- Graf, Franz, Baden, Switzerland. Electrically heated tile stove. 1,694,539; Dec. 11.
- Graf, George B., and F. E. Whitman, Shawnee, Okla. Combined liquid container and sprayer. 1,680,983; Aug. 14.
- Graf, John E., assignor to The Rudolph Wurliizer Manufacturing Company, North Tonawanda, N. Y. Automatic musical instrument. 1,671,987; June 5.
- Graf-Lite Corporation. (See Graf, Richard, assignor.)
- Graf, Richard, South Bend, Ind., assignor to Graf-Lite Corporation, Chicago, Ill. Lamp. 1,694,592; Dec. 11.
- Graf, Richard, South Bend, Ind., assignor to Graf-Lite Corporation, Chicago, Ill. Lamp. 1,694,593; Dec. 11.
- Graff-Baker, William S., Ealing, London, England, assignor to The National Pneumatic Company, New York, N. Y. Swinging door. 1,676,375; July 10.
- Graff, George, assignor to The Dura Company, Toledo, Ohio. Handle for door latches or the like. Des. 74,827; Apr. 3.
- Graffenberger, Friedrich, assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Cup-dispensing machine. 1,666,008; Apr. 10.
- Graffenberger, Friedrich, assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Plant cover. Des. 77,232; Dec. 18.
- Griffin, Lewis, Springfield, Ohio, assignor to Ball Brothers Company, Muncie, Ind. Paper and paper stock and producing the same. 1,692,774; Nov. 20.
- Graham, Albert G., Monette, Ark. Carpenter's rule. 1,685,486; Sept. 25.
- Graham, Albert R., Toronto, Ontario, Canada. Combined cigarette box and match container. 1,683,664; Sept. 11.
- Graham, Alfred, et al., executors. (See Graham, Edward A.)
- Graham Amplion Limited. (See Graham, Edward A., assignor.)
- Graham, Andrew O., Fort Worth, Tex. Brick-mason's gauge. 1,677,821; July 17.
- Graham, B. R., et al. (See Peaden, William H., assignor.)
- Graham Brothers. (See Livermore, William T., assignor.)
- Graham Brothers. (See Minor, Nugent, assignor.)
- Graham Brothers. (See Neely, William H., assignor.)
- Graham, Charles C., assignor to E. J. Douglas, Crete, Nebr. Collapsible ballot box. 1,673,769; June 12.
- Graham, Charles T., Grand Rapids, Mich., assignor to American Parlor Frame Company, Sheboygan, Wis. Settee frame or similar article. Des. 76,475; Oct. 2.
- Graham, Charles T., Grand Rapids, Mich., assignor to American Parlor Frame Company, Sheboygan, Wis. Settee frame or similar article. Des. 76,533; Oct. 9.
- Graham, Charles T., Grand Rapids, Mich., assignor to American Parlor Frame Company, Sheboygan, Wis. Settee frame or similar article. Des. 76,534; Oct. 9.
- Graham, Charles W., assignor to American Can Company, San Francisco, Calif. Method of producing and article of manufacture. 1,667,888; May 1.

- Graham, Charles W., assignor to American Can Company, San Francisco, Calif. Key-opening can. 1,689,627; Oct. 30.
- Graham, Edinburgh, Aiken, S. C. Monoslot toilet room. 1,656,350; Jan. 17.
- Graham, Edward A., deceased, Brockley, London, England; M. and A. Graham, executors. Switch apparatus for use with telephonic receivers. 1,659,870; Feb. 21.
- Graham, Edward A., deceased, Brockley, London; M. Graham, executrix, Beckenham, and A. Graham, executor, Forest Hills, London, assignors to Graham Amplion Limited, London, England. Acoustic amplifier and radiator. 1,678,214; July 24.
- Graham, Frank M., Ottumwa, Iowa. Cooling cabinet. 1,674,107; June 19.
- Graham, Frank M., Bellmore, N. Y. Automobile signal. 1,687,291; Oct. 9.
- Graham, George C., Watertown, and R. S. Robe, Boston, Mass. Washing machine. 1,665,959; Apr. 10.
- Graham Glass Company, The. (See Bramble, Jesse, assignor.)
- Graham Glass Company, The. (See Miller, Frank R., assignor.)
- Graham, Henry, Ulrikssdal, Sweden. Combined clamping and supporting device. 1,689,022; Oct. 23.
- Graham, Herbert R., Miller, S. Dak. Front-seat construction for automobiles. 1,654,726; Jan. 8.
- Graham, Herbert R., Miller, S. Dak. Front-seat construction for automobiles. 1,681,979; Aug. 28.
- Graham, James A., (See Anderson, Maud L., assignor.)
- Graham, James G., Butte, Mont., assignor to Sullivan Machinery Company. Cleansing means for rock drills. 1,679,131; July 31.
- Graham, James G., Butte, Mont., assignor to Sullivan Machinery Company. Drilling mechanism. 1,679,140; July 31.
- Graham, John E., London, England. Electrical connector. 1,665,166; Apr. 3.
- Graham, Leslie B., East Chicago, assignor, by mesne assignments, to The Locomotive Terminal Improvement Company, Chicago, Ill. Standpipe for feeding locomotives. 1,669,196; May 8.
- Graham, Leslie B., East Chicago, Ind., assignor to Union Metal Products Company, Chicago, Ill. Car-coupler-positioning device. 1,695,329; Dec. 18.
- Graham, Lucy J., New York, N. Y., assignor to Crane Co., Chicago, Ill. Combination lavatory and dressing table. Des. 77,151; Dec. 11.
- Graham, Maria, et al., executors. (See Graham, Edward A.)
- Graham, Maurice H. (See Carpenter, Francis W., assignor.)
- Graham, Maurice H., St. Louis Park, Minn. Door operating and holding mechanism. 1,658,240; Feb. 7.
- Graham, Percival G., Enfield, near Sydney, New South Wales, Australia. Lubricating apparatus. 1,688,075; Oct. 16.
- Graham, Robert J. (See White, Thomas D., assignor.)
- Graham, Ronald V., Yonkers, N. Y. Measuring and dispensing device. 1,684,313; Sept. 11.
- Graham, Thaddeus, Los Angeles, Calif. Sound reproducer. 1,675,343; July 3.
- Graham, Thornton G., Kent, and H. F. Schippel, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 75,792; July 17.
- Graham, Tom C., assignor to The Embossing Company, Albany, N. Y. Domino and making the same. Re17,103; Oct. 16.
- Graham, Tom C., assignor to The Embossing Company, Albany, N. Y. Domino. Des. 76,235; Sept. 4.
- Graham, Tom C., assignor to The Embossing Company, Albany, N. Y. Domino and making the same. 1,675,891; July 3.
- Graham, Walter D., River Forest, and C. M. Uhlig, Chicago, Ill., said Uhlig assignor to said Graham. Electrically-heated garment. 1,691,472; Nov. 13.
- Graham, Walton C., Denver, Colo. Filter. 1,687,863; Oct. 16.
- Graham, William H., Oakland, Calif. Disappearing or telescopic lawn sprinkler. 1,696,298; Dec. 25.
- Graham, William P., New York, N. Y. Dish or similar article. Des. 76,536; Oct. 9.
- Graham, William P., New York, N. Y. Dish or similar article. Des. 76,537; Oct. 9.
- Graham, William P., New York, N. Y. Dish or similar article. Des. 76,681; Oct. 23.
- Graham, William S. (See Benjamin, B. R., and Graham.)
- Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor hitch. 1,663,250; Mar. 20.
- Graham, William S., Canton, Ill., assignor to International Harvester Company. Wheel ridge buster. 1,669,935; May 15.
- Graham, William S., Canton, Ill., assignor to International Harvester Company. Front-furrow-wheel adjustment for plows. 1,673,192; June 12.
- Graham, William S., Canton, assignor to International Harvester Company, Chicago, Ill. Tractor lister. 1,677,474; July 17.
- Graham, William S., and A. D. Gallagher, Canton, assignors, to International Harvester Company, Chicago, Ill. Tractor cultivator. 1,663,249; Mar. 20.
- Grahame, Dallas F., Westmount, Quebec, Canada, assignor, to Riley Stoker Corporation, Worcester, Mass. Stoker-ram drive. 1,669,705; May 15.
- Grainge, Herbert J., and S. W. Wilding, assignors to The Amalgamated Dental Company Limited, London, England. Manufacture of artificial teeth. 1,669,557; May 15.
- Grainger, Reid B., Redondo Beach, Calif., assignor to Elliott Core Drilling Company. Standard tool core drill. 1,663,767; Mar. 27.
- Grainger, Reid B., Redondo Beach, Calif., assignor to Elliott Core Drilling Company. Coring device. 1,684,089; Sept. 11.
- Grammarben Company, The. (See Holden, Benedict M., assignor.)
- Grames, Lawrence R., assignor of one-half to J. N. Bryson and R. R. Murray, Wellsville, N. Y. Engine valve. 1,680,516; Aug. 14.
- Grammes, L. F., & Sons, Inc. (See Price, Charles S., assignor.)
- Grammes, L. F., & Sons, Inc. (See Price, C. S., and Weindel, assignors.)
- Grams, Wilhelm, Sydowwiese, Germany. Cultivator. 1,669,049; May 8.
- Gramse, Roy A., assignor to Southern Textile Machinery Co., Paducah, Ky. Stop mechanism for sewing machines. 1,677,673; July 17.
- Granat, Elie, assignor of one-half to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Electric distant control device. 1,694,121; Dec. 4.
- Granat, Joseph, San Francisco, Calif. Wedding ring. Des. 76,388; Sept. 25.
- Granat, Joseph, San Francisco, Calif. Wedding ring. Des. 76,389; Sept. 25.
- Granat, Joseph, San Francisco, Calif. Wedding ring. Des. 76,390; Sept. 25.
- Granberg Meter Corporation. (See Brubaker, Walter S., assignor.)
- Grand Haven Stamped Products Company. (See Anderson, Carl E., assignor.)
- Grand, Joseph A., Villeurbanne, France. Increasing and improving the resistance of spun goods from artificial-silk waste. 1,660,123; Feb. 21.
- Grand Rapids Brass Company. (See Ekman, Andrew, assignor.)
- Grand Rapids Brass Company. (See Osbeck, Elmer C., assignor.)
- Grand Rapids Brass Company. (See Roedding, Gordon E., assignor.)
- Grand Rapids Cabinet Company. (See Fritz, Edward M., assignor.)
- Grand Rapids Metalcraft Corporation. (See De Boer, Rudolph, assignor.)
- Grand Rapids Metalcraft Corporation. (See Hodges, Sylvanus W., assignor.)
- Grand Rapids Metalcraft Corporation. (See Roedding, Gordon E., assignor.)
- Grand Rapids Store Equipment Corporation. (See Holmes, W. T., Woltz, and Reymann, assignors.)
- Grand Rapids Store Equipment Corporation. (See Morris, Edmund, assignor.)
- Grand Rapids Store Equipment Corporation. (See Morris, E., and Vanderveld, assignors.)
- Grand Rapids Store Equipment Corporation. (See Woltz, Albert M., assignor.)
- Grand Specialties Company. (See Sasgen, Michael J., assignor.)
- Grandjean, Marc, assignor to Societe Anonyme Stenotype Grandjean, Paris, France. Stenographic machine. 1,689,283; Oct. 30.
- Grandstaff, Gilbert, et al. (See Crumley, Frank M., assignor.)
- Grandtone Radio Corporation. (See Boedeker, A., and Wentworth, assignors.)
- Granger, Gertrude V., Savannah, Ga., assignor to Rothproof Rue Bag Company, Chatham County, Ga. Rug bag. Re17,118; Oct. 30.
- Granger, Wallace H., San Francisco, Calif. Printing-press unit. 1,680,018; Aug. 7.
- Grannatt, William B., Los Angeles, Calif. Guard for the cutter heads of shapers and the like. 1,673,977; June 19.
- Granstedt, Erik, assignor to Aktiebolaget Formator, Stockholm, Sweden. Regulation of the delivering of tobacco portions from tobacco machines or the like. 1,672,457; June 5.
- Grant Accessories Corporation. (See Grant, Albert E., assignor.)
- Grant, Albert E., New York, N. Y. Apparatus for maintaining uniform oil level. 1,665,026; Apr. 3.
- Grant, Albert E., New York, N. Y. Oil strainer. 1,687,292; Oct. 9.
- Grant, Albert E., assignor to Grant Accessories Corporation, New York, N. Y. Rotary-pump construction. 1,669,050; May 8.
- Grant, Albert E., New York, N. Y., assignor to Calor-Oil Burner Corporation. Apparatus for mixing and burning oil. 1,671,238; May 29.
- Grant, Charles de V., High Holborn, London, England. Appliance for supplying dry steam to cooking ovens. 1,657,355; Jan. 24.
- Grant, Clair R., assignor to O. D. Collis, Clinton, Iowa. Radiator and flywheel. 1,696,033; Dec. 18.
- Grant, Clinton B. (See Turner, Erven R., assignor.)
- Grant, Denison W., Franklin, Pa. Sectional compact toilet kit. 1,669,197; May 8.
- Grant Elevator Equipment Corporation. (See Hemphill, Stewart H., assignor.)

- Grant, Frank W. (See Holmes, G. E., and Grant.)
- Grant, Garnet P., New York, N. Y. Coin-propelling device for vending machines. 1,684,863; Sept. 18.
- Grant, John. (See Campbell, Stewart L., assignor.)
- Grant, John. (See Phipps, John T., assignor.)
- Grant, John, Los Angeles, Calif. Releasable spider. Re16,891; Feb. 28.
- Grant, John, Los Angeles, Calif., assignor to Dunn Manufacturing Company, Oxnard, Calif. Well elevator. 1,660,708; Feb. 28.
- Grant, John J., Vancouver, British Columbia, Canada. Rock-drilling machine. 1,669,002; May 8.
- Grant, John J., Vancouver, British Columbia, Canada. Floating tensional device. 1,669,003; May 8.
- Grant, John J., Vancouver, British Columbia, Canada. Rock-drilling machine. 1,669,004; May 8.
- Grant, Lewis C., assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Lightning or surge arrester. 1,675,649; July 3.
- Grant Oil Burner Corporation. (See Fischer, F., and Van Pelt, assignors.)
- Grant Oil Burner Corporation of Delaware. (See Fischer, F., and Van Pelt, assignors.)
- Grant, Patrick M., Chicago Ill., assignor of one-half to J. G. Gilbert. Fluid-pressure regulator. 1,695,330; Dec. 18.
- Grant, Ralph W., Clifton, N. J., assignor to Bedford Tire and Rubber Co., Bedford, Va. Tire. Des. 74,262; Jan. 17.
- Grant, Richard F., et al. (See Wetherbee, Herbert E., assignor.)
- Grant, Richard F., F. B. Richards, and H. E. Wetherbee, assignors of one-fourth to H. M. Hanna, Cleveland, Ohio. Leaching process. 1,690,446; Nov. 6.
- Grant, Richard F., Bratenahl, Ohio, E. B. Worthington, Forty Fort, and W. L. Jacobus, Wilkes-Barre, assignors to Susquehanna Collieries Company, Wilkes-Barre, Pa. Effecting the separation of subdivided materials. 1,669,820; May 15.
- Grant, Walter S., St. Louis, Mo. Container. 1,678,726; July 31.
- Grant, Walter S., St. Louis, Mo. Container. 1,688,703; Oct. 23.
- Grant, Walter S., St. Louis, Mo. Container. 1,688,704; Oct. 23.
- Grant, William F., Newport News, Va., assignor to Newport News Shipbuilding and Dry Dock Company. Oil and water control for hydraulic-turbine bearings. 1,693,600; Dec. 4.
- Grant, Willis H. (See Wolcott, I. L., and Grant.)
- Granular Iron Company. (See Hornsey, John W., assignor.)
- Granville, Bernard, New York, N. Y. Making porous material. 1,691,280; Nov. 13.
- Grapp, Edward A., Minneapolis, Minn. Register construction for heating plants. 1,690,368; Nov. 6.
- Graser, Frank X., Lindenhurst, N. Y. Window construction. 1,693,551; Nov. 27.
- Grasley, Jacob F., Zanesville, Ohio. Socket wrench. 1,667,661; Apr. 24.
- Grasmere, Henry, Newark, N. J. Swivel catch. Des. 75,488; June 12.
- Grass, Alfred, New York, N. Y. Making printing plates. 1,669,821; May 15.
- Grass, Otto R., assignor to the Oro-Tone Company, Chicago, Ill. Sound-conveying apparatus. 1,676,493; July 10.
- Grasselli Chemical Company, The. (See Buse, Otto H., assignor.)
- Grasselli Chemical Company, The. (See Craver, Augustus E., assignor.)
- Grasselli Chemical Company, The. (See Grine, Harry A., assignor.)
- Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
- Grasselli Chemical Company, The. (See Taylor, Edward A., assignor.)
- Grasselli Chemical Company, The. (See Tanner, Wellington L., assignor.)
- Grasselli Chemical Company, The. (See Westbrook, Leon R., assignor.)
- Grasselli Dyestuff Corporation. (See Ballauf, F., Muth, and Schmelzer, assignors.)
- Grasselli Dyestuff Corporation. (See Berliner, R., Stein, and Trautner, assignors.)
- Grasselli Dyestuff Corporation. (See Berthold, Hermann, assignor.)
- Grasselli Dyestuff Corporation. (See Braunsdorf, O., Holzapfel, and Nawiasky, assignors.)
- Grasselli Dyestuff Corporation. (See Brode, J., and Johansen, assignors.)
- Grasselli Dyestuff Corporation. (See Daimler, K., Müller, and Gärtner, assignors.)
- Grasselli Dyestuff Corporation. (See Duisberg, W., Hentrich, and Zeh, assignors.)
- Grasselli Dyestuff Corporation. (See Eckert, Wilhelm, assignor.)
- Grasselli Dyestuff Corporation. (See Eichwede, Heinz, assignor.)
- Grasselli Dyestuff Corporation. (See Eichwede, H., Fischer, and Müller, assignors.)
- Grasselli Dyestuff Corporation. (See Fischer, E., Heyna, and Müller, assignors.)
- Grasselli Dyestuff Corporation. (See Fischer, E., and Müller, assignors.)
- Grasselli Dyestuff Corporation. (See Gassner, Sebastian, assignor.)
- Grasselli Dyestuff Corporation. (See Guenther, A., Haller, and Köster, assignors.)
- Grasselli Dyestuff Corporation. (See Günther, Fritz, assignor.)
- Grasselli Dyestuff Corporation. (See Haller, Josef, assignor.)
- Grasselli Dyestuff Corporation. (See Hentrich, Winfrid, assignor.)
- Grasselli Dyestuff Corporation. (See Hentrich, W., and Hardtmann, assignors.)
- Grasselli Dyestuff Corporation. (See Herold, P., and Koppe, assignors.)
- Grasselli Dyestuff Corporation. (See Herz, R., and Schulte, assignors.)
- Grasselli Dyestuff Corporation. (See Herz, R., Schulte, and Zerweck, assignors.)
- Grasselli Dyestuff Corporation. (See Herz, R., and Thiess, assignors.)
- Grasselli Dyestuff Corporation. (See Herz, R., and Zerweck, assignors.)
- Grasselli Dyestuff Corporation. (See Herzberg, W., and Hoppe, assignors.)
- Grasselli Dyestuff Corporation. (See Heusner, K., and Simon, assignors.)
- Grasselli Dyestuff Corporation. (See Hoffa, E., and Fischer, assignors.)
- Grasselli Dyestuff Corporation. (See Holzach, K., and Metzger, assignors.)
- Grasselli Dyestuff Corporation. (See Hotz, E., and Lanz, assignors.)
- Grasselli Dyestuff Corporation. (See Job, Albert, assignor.)
- Grasselli Dyestuff Corporation. (See Kaltwasser, O., Oehrn, and Kirchhoff, assignors.)
- Grasselli Dyestuff Corporation. (See Keller, F., and Schnitzpahn, assignors.)
- Grasselli Dyestuff Corporation. (See Kircheisen, T., and Gürtler, assignors.)
- Grasselli Dyestuff Corporation. (See Kramer, Erwin, assignor.)
- Grasselli Dyestuff Corporation. (See Kränzlein, G., and Roemer, assignors.)
- Grasselli Dyestuff Corporation. (See Kränzlein, G., Zahn, Ochwat, and Corell, assignors.)
- Grasselli Dyestuff Corporation. See Krauss, Carl, assignor.)
- Grasselli Dyestuff Corporation. (See Krecke, Friedrich, assignor.)
- Grasselli Dyestuff Corporation. (See Krzikalla, H., and Müller, assignors.)
- Grasselli Dyestuff Corporation. (See Laska, L., and Zietscher, assignors.)
- Grasselli Dyestuff Corporation. (See Metzger, Richard, assignor.)
- Grasselli Dyestuff Corporation. (See Mieg, Walter, assignor.)
- Grasselli Dyestuff Corporation. (See Mieg, W., and Job, assignors.)
- Grasselli Dyestuff Corporation. (See Neelmeier, Wilhelm, assignor.)
- Grasselli Dyestuff Corporation. (See Neelmeier, W., and Nocken, assignors.)
- Grasselli Dyestuff Corporation. (See Neelmeier, W., and Rebner, assignors.)
- Grasselli Dyestuff Corporation. (See Onnertz, P., and Schwäzel, assignors.)
- Grasselli Dyestuff Corporation. (See Phillips, A., and Dabelow, assignors.)
- Grasselli Dyestuff Corporation. See Rabe, P., Stötter, Wenk, and Schepss, assignors.)
- Grasselli Dyestuff Corporation. (See Reddelien, G., and Matzdorf, assignors.)
- Grasselli Dyestuff Corporation. (See Schweitzer, H., and Neelmeier, assignors.)
- Grasselli Dyestuff Corporation. (See Siebert, O., Thiess, Schöner, Schmidlin, Benade, and Diecke, assignors.)
- Grasselli Dyestuff Corporation. (See Spengler, O., and Müller, assignors.)
- Grasselli Dyestuff Corporation. (See Stein, Berthold, assignor.)
- Grasselli Dyestuff Corporation. (See Stock, Josef, assignor.)
- Grasselli Dyestuff Corporation. (See Thaus, A., Mauthe, and Günther, assignors.)
- Grasselli Dyestuff Corporation. (See Thiess, K., Diecke, and Schmidlin, assignors.)
- Grasselli Dyestuff Corporation. (See Unger, O., and Böhner, assignors.)
- Grasselli Dyestuff Corporation. (See Vossen, Bartholomäus, assignor.)
- Grasselli Dyestuff Corporation. (See Wagner, Hermann, assignor.)
- Grasselli Dyestuff Corporation. (See Wagner, H., Eichwede, and Fischer, assignors.)
- Grasselli Dyestuff Corporation. (See Wagner, H., and Sohst, assignors.)
- Grasselli Dyestuff Corporation. (See Wagner, H., and Vossen, assignors.)
- Grasselli Dyestuff Corporation. (See Wahl, Ottmar, assignor.)
- Grasselli Dyestuff Corporation. (See Weinand, Klaus, assignor.)

- Grasselli Dyestuff Corporation. (See Winterhalter, Wilhelm, assignor.)
- Grasselli Dyestuff Corporation. (See Wolfgram, A., and Greune, assignors.)
- Grasselli Dyestuff Corporation. (See Zahn, K., and Eckert, assignors.)
- Grasselli Dyestuff Corporation. (See Zahn, K., and Ochwat, assignors.)
- Grasser, John, Manitowoc, Wis. Comb cleaner. 1,662,418; Mar. 13.
- Grassey, Henry, Glen Rock, N. J. Jigger. 1,676,261; July 10.
- Grasshoff, Eberhard, assignor to C. Otto und Comp. Gesellschaft mit beschränkter Haftung, Bochum, Germany. Coke-pushing machine. 1,674,007; June 19.
- Grassi, Angel A., and R. de O. Cézár, Buenos Aires, Argentina. Electric water heater. 1,670,767; May 22.
- Grassi, Joseph, London, England. Apparatus for coding and decoding messages. 1,667,780; May 1.
- Grassman, Edward C., Newark, N. J., assignor to Harry C. Schick, Inc. Clasp terminal. 1,672,025; June 5.
- Grassner, Friedrich. (See Müller, C., Frankenburger, and Grassner.)
- Gratz, Clifford B., Flushing, assignor to American Manufacturing Company, New York, N. Y. Hose. 1,669,051; May 8.
- Grau, George A., Cincinnati, Ohio. Came. 1,686,809; Oct. 9.
- Grau, Walter S., Lebanon, Pa. Radio loud speaker. Des. 74,217; Jan. 10.
- Grau, Walter S., Lebanon, Pa. Radio loud speaker. Des. 74,218; Jan. 10.
- Grael, Edwin L., assignor to The Graulock Company, Cincinnati, Ohio. Fuel-reserve device. 1,661,608; Mar. 6.
- Graulock Company, The. (See Grael, Edwin L., assignor.)
- Gravel, David, assignor to The Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Slub catcher. 1,695,236; Dec. 11.
- Gravell, James H., Elkins Park, Pa. Method of and apparatus for electric-resistance welding. 1,664,030; Mar. 27.
- Gravell, James H., Elkins Park, Pa. Storage and transportation of acid mixtures in steel drums. 1,678,775; July 31.
- Gravell, James H., and A. Douty, Elkins Park, Pa.; said Douty assignor to said Gravell. Metal pickling. 1,678,776; July 31.
- Gravenstine, George E., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Radiator cap. Des. 74,735; Mar. 20.
- Graves, Arnold, London, England. Optical projection apparatus. 1,655,461; Jan. 10.
- Graves, Basil, London, England, assignor to Carl Zeiss, Jena, Germany. Holding device for an eye-testing apparatus. 1,671,152; May 29.
- Graves, Benjamin P., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Variable-speed driving mechanism. 1,678,384; July 24.
- Graves, Charles M., New York, N. Y. Locking device. 1,677,768; July 17.
- Graves, Emery E., Syracuse, N. Y. Automobile bumper. 1,669,612; May 15.
- Graves, George A., Newton Center, Mass. Knife sharpener. 1,678,698; July 31.
- Graves, George D., Casper, Wyo., assignor to Standard Oil Company, Whiting, Ind. Removing wax from oil. 1,668,239; May 1.
- Graves, Harry E., Ashfield, Mass. Turntable. 1,669,124; May 8.
- Graves, Harry S., Detroit, Mich. Piston-ring-clamping device. 1,675,603; July 3.
- Graves, Harry S., assignor to Spiral Piston Ring Company, Detroit, Mich. Making piston rings. 1,661,366; Mar. 6.
- Graves, John E., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson Heights, Md. Chuck. 1,657,571; Jan. 31.
- Graves, Roy V., Minneapolis, assignor to one-half to L. H. Hoyt, Fridley, Minn. Transparent make-up plate for use in producing page stereotype. 1,691,281; Nov. 13.
- Graves, Scott S., San Diego, Calif. Egg beater. 1,665,879; Apr. 10.
- Graves, William J., Fort Worth, Tex. Safety pocketbook. 1,679,606; Aug. 7.
- Gravillon, Auguste E. H., Paris, France. Speed-reducing control. 1,680,874; Aug. 14.
- Gravity Carbonator Company. (See De Armond, W. C., and Watt, assignors.)
- Gravning, Gilbert J., Denver, Colo. Ladder attachment. 1,658,191; Feb. 7.
- Gray, Carl C., assignor to Twin City Separator Co., Minneapolis, Minn. Grain cleaning and separating machine. 1,660,645; Feb. 28.
- Gray, Charles B., Philadelphia, Pa. Machine for cutting sheet-form material. 1,656,323; Jan. 17.
- Gray, Charles B., Philadelphia, Pa. Violin bow. 1,686,554; Oct. 9.
- Gray, Dudley D., Lakewood, Ohio. Support for computing machines. 1,681,732; Aug. 21.
- Gray, Edwin D., Richmond, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Producing demulsifying agents for refining petroleum oil. 1,673,045; June 12.
- Gray, Ellsworth, assignor to Gray Tool Company, Houston, Tex. Dump bucket and bailer. 1,663,591; Mar. 27.
- Gray, Emmet P., Detroit, Mich. Muffler. 1,656,629; Jan. 17.
- Gray, Emmet P., Detroit, Mich. Conduit construction. 1,658,766; Feb. 7.
- Gray, Emmet P., Detroit, Mich. Air-cooled muffler. 1,682,077; Aug. 28.
- Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulating system. 1,658,843; Feb. 14.
- Gray, Frank W., Austin, Tex. Can opener. 1,659,486; Feb. 14.
- Gray, Garold C. J., Hastings, Nebr. Attachment for automobile radiators. 1,663,047; Mar. 20.
- Gray, George Jr., Philadelphia, assignor to Largman, Gray Company, Croydon, Pa. Machine for making display cards. 1,661,658; Mar. 6.
- Gray, George M., Brookline, and C. T. Flint, Arlington, assignors to Peter Gray & Sons Inc., Cambridge, Mass. Humidifier. 1,658,121; Feb. 7.
- Gray, George S., Capron, Okla. Grave-decoration chest. Des. 75,684; July 3.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Bonding rubber to metal. 1,689,628; Oct. 30.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Liquid solution of thiocarbamide. 1,690,166; Nov. 6.
- Gray, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Molding ebonite composition. 1,691,347; Nov. 13.
- Gray, Harry L., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Making chloroform-soluble cellulose acetate. 1,690,632; Nov. 6.
- Gray, Harry L., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Making chloroform-soluble cellulose acetate. 1,683,347; Sept. 4.
- Gray, Harry Le B., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Making cellulose acetate. 1,668,959; May 8.
- Gray, James, Trenton, N. J. Self-leveling lavatory-assembling machine. 1,660,379; Feb. 28.
- Gray, James A., assignor to American Can Company, San Francisco, Calif. Blank-feed mechanism. 1,689,668; Oct. 30.
- Gray, James A., assignor to American Can Company, San Francisco, Calif. Apparatus for interlocking and uniting the hooked edges of blanks to form can bodies. 1,689,669; Oct. 30.
- Gray, James A., assignor to American Can Company, San Francisco, Calif. Entrail-collecting means for eviscerating apparatus. 1,689,670; Oct. 30.
- Gray, James A., assignor to American Can Company, San Francisco, Calif. Cleat-making and cleat and handle assembling machine. 1,692,033; Nov. 20.
- Gray, James H., Nice, France. Liquid-fuel burner. 1,696,196; Dec. 25.
- Gray, James L., Port Arthur, assignor of one-fourth to E. Bruce, Goose Creek, Tex. Pressure and vacuum relief valve. 1,684,377; Sept. 11.
- Gray, Jesse L., Los Angeles, Calif., assignor, by mesne assignments, to L. P. Burgess, D. Daniels, and J. O. Clutter, trustees. Heat treating sucker rods. 1,688,705; Oct. 23.
- Gray, Leonard G., Decatur, Ill. Dispensing cabinet for bottled beverages. Des. 75,724; July 10.
- Gray & Murdock Mfg. Co. (See Gray, O. H., and Murdock, assignors.)
- Gray, Owen H., and C. E. Murdock, assignors to Gray & Murdock Mfg. Co., Salt Lake City, Utah. Furnace. 1,666,7001; Apr. 24.
- Gray, Percy, Jefferson, Iowa. Water-storage tank. 1,661,659; Mar. 6.
- Gray, Percy W., assignor to Vickers Limited, Westminster, England. Apparatus for obtaining data for gunnery purposes. 1,672,026; June 5.
- Gray, Peter, & Sons Inc. (See Gray, G. M., and Flint, assignors.)
- Gray, Philander R., assignor to Gray Processes Corporation, Newark, N. J. Apparatus for contacting fluids with solids. 1,688,012; Oct. 16.
- Gray Processes Corporation. (See Gray, Philander R., assignor.)
- Gray Processes Corporation, The. (See Phillips, E. B., and Stafford, assignors.)
- Gray, Reuben G., Canterbury, near Sydney, Australia. Race-starting machine. 1,680,875; Aug. 14.
- Gray, Robert L., and J. F. Furman, Portsmouth, Va. Railway-crossing-signal switch. 1,670,854; May 22.
- Gray, Terrel L., Long Beach, Calif. Road-planing machine. 1,670,502; May 22.
- Gray, Thomas W., Loupex, assignor to Pittsburgh Coal Company, Pittsburgh, Pa. Jack. 1,674,822; June 26.
- Gray, Tom F. (See Cruse, H., and Gray.)
- Gray Tool Company. (See Gray, Ellsworth, assignor.)
- Gray, Wallace M., assignor to American Valve and Meter Company, Cincinnati, Ohio. Automatic switch stand. 1,661,695; Mar. 6.
- Gray, Wallace M., Cincinnati, assignor to The American Valve and Meter Company, Cincinnati, Ohio. Automatic switch stand. 1,677,388; July 17.

- Gray, Walter S., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,680,942; Aug. 14.
- Gray, William C., assignor of one-half to W. Goldstein. Philadelphia, Pa. Valve for internal-combustion engines. 1,680,099; Aug. 7.
- Gray, William E. (See Creighton, F. M., and Gray.)
- Gray, William H., Portland, Oreg. Pump for refrigerating apparatus. 1,696,436; Dec. 25.
- Gray, William T., Ballston Spa, N. Y. Wainscoting construction. 1,691,803; Nov. 13.
- Graybar Electric Company. (See Dailey, Edward J., jr., assignor.)
- Graydon, Alexander, Buffalo, N. Y. Washing machine. 1,666,238; Apr. 17.
- Grayson, Annie M., Macon, Ga. Oil stove and heater. 1,661,939; Mar. 6.
- Grayson Engine Company Limited. (See Grayson, George W., assignor.)
- Grayson, George W., assignor to Grayson Engine Company Limited, Sydney, New South Wales, Australia. Piston. 1,688,076; Oct. 16.
- Grayson, John H., assignor to R. N. Rauch, Columbus. F. X. Rauch, and F. D. Forsyth, Athens, Ohio. Razor-blade stropper. 1,656,276; Jan. 17.
- Grayson, Lloyd, Grafton, W. Va. Thermal circuit closer. 1,682,959; Sept. 4.
- Greasometer Corporation, The. (See Brinton, William C., jr., assignor.)
- Great Atlantic & Pacific Tea Co., The. (See Waters, Joseph M., assignor.)
- Greathhead, William F., et al. (See Greathhead, W. F., and Tambllyn, assignors.)
- Greathhead, William F., and M. J. Tambllyn, assignors of one-half to W. F. Greathhead and one-half to J. C. De Garmo, Cleveland, Ohio. C clamp. 1,658,436; Feb. 7.
- Greathouse, Josephine A. (See Winsboro, William A.)
- Greathouse, Josephine A., Los Angeles, Calif. Lamp. Des. 76,476; Oct. 2.
- Greathouse, Lucien H., Clarendon, Va., assignor to Atmospheric Nitrogen Corporation, Syracuse, N. Y. Production of nitric acid from ammonia. 1,692,298; Nov. 20.
- Great Northern Paper Company. (See Cram, Hervey G., assignor.)
- Great Northern Paper Company. (See Malloy, M. J., and Buck, assignors.)
- Great Northern Paper Company. (See Merrill, Charles N., assignor.)
- Great Northern Paper Company. (See Weldon, Roy V., assignor.)
- Great Western Electro Chemical Company. (See Hirschkind, W., and Schedler, assignors.)
- Great Western Fuse Company. (See La Mar, Frank C., assignor.)
- Greaves, Edwin E. (See Dossert, J. J., and Greaves.)
- Greaves, Valentine F. (See Metcalf, H. E., and Greaves.)
- Greaves, Valentine F., Oakland, assignor to The Magnavox Company, San Francisco, Calif. Vacuum tube. 1,657,208; Jan. 24.
- Greaves, Valentine F., assignor to The Magnavox Company, Oakland, Calif. Electric spot welder. 1,674,327; June 19.
- Greaves, Valentine F., Burlingame, assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Indicator. 1,691,569; Nov. 13.
- Grebe, Conrad H., assignor of one-half to L. Mentrum, Portland, Oreg. Kalamein machine. 1,664,677; Apr. 3.
- Grebecz, Mihaly, et al. (See Molnar, Zontan, assignor.)
- Grebehem, Hugo, Herbsleben, Germany. Safety device for preventing railway accidents. 1,666,695; Apr. 17.
- Greeley, Ella T., Whitman, Mass. Radiator ornament. Des. 77,087; Dec. 4.
- Greeley, Ella T., Whitman, Mass. Radiator ornament. Des. 77,088; Dec. 4.
- Greeley, James T., Nashua, N. H. Hypodermic syringe. 1,668,588; May 8.
- Greeley, James T., and O. W. Brunell, Nashua, N. H. Liquid measuring and dispensing apparatus. 1,659,258; Feb. 14.
- Green, Albert H., executor. (See Green, Walter R.)
- Green, Arthur E., Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Seam-pressing machine. 1,686,810; Oct. 9.
- Green, Bernard F., Dubuque, Iowa. Awning manipulator. 1,659,096; Feb. 14.
- Green, Carolyn W., San Francisco, Calif. Garment and making same. 1,670,405; May 22.
- Green, Charles F., Romford, England, assignor to A. B. Dick Company, Chicago, Ill. Controlling the travel of the ink ribbon used with rotary printing machines. 1,687,016; Oct. 9.
- Green, Charles W. (See Jammer, J. S., and Green.)
- Green, Charles W., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifying system. 1,668,240; May 1.
- Green, Claus T. M., Brooklyn, and F. H. Dost, Freeport, assignors to Julius Kayser & Co., New York, N. Y. Hosiery-knitting machine. 1,691,056; Nov. 13.
- Green, Cordelia A., administratrix. (See Green, Edwin L.)
- Green, Edward W., London, England. Separating liquids of different specific gravities. 1,663,651; Mar. 27.
- Green, Edward W., and G. R. Unthank, London, England. Apparatus for removing normally viscous liquid from surfaces. 1,654,727; Jan. 3.
- Green, Edwin L., Cross Plains, Tex.; C. A. Green, administratrix. Turning guide for fishing tools. 1,676,860; July 10.
- Green, Ellis, assignor of one-half to L. A. Green, Tulsa, Okla. Tubing support. 1,695,093; Dec. 11.
- Green Engineering Company. (See Marsh, Thomas A., assignor.)
- Green, Estill I. (See Affel, H. A., and Green.)
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Insulator. 1,659,731; Feb. 21.
- Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Carrier signaling system. 1,677,966; July 24.
- Green, Fred P., assignor to The Lustre Co., St. Louis, Mo. Plating apparatus. 1,667,515; Apr. 24.
- Green, Harold. (See Germond, H. S., jr., and Green.)
- Green, Harold, Yonkers, N. Y., assignor to H. S. Germond, jr., Bayonne, N. J. Portable elevator. 1,667,547; Apr. 24.
- Green, Harrie C., Hubbardston, Mass. Statuette. Des. 76,928; Nov. 20.
- Green, Harry J. (See Ward, J. P., and Hyde, assignors.)
- Green, Henry C., Port, Okla. Drain cock for radiators. 1,657,996; Jan. 31.
- Green, Henry M., deceased, Los Angeles, Calif.; Pacific Southwest Trust & Savings Bank, administrator, assignor to C. M. O'Leary. Gas extractor for pumps. 1,665,540; Apr. 10.
- Green, Henry M., Los Angeles, Calif., assignor, by mesne assignments, to C. M. O'Leary. Longitudinal fibrous packing for plunger pumps. 1,691,603; Nov. 13.
- Green, Howard H., Bardwell, Tex. Agricultural machine. 1,696,299; Dec. 25.
- Green, Howard H., Bardwell, Tex. Steering mechanism. 1,696,300; Dec. 25.
- Green, Ida. (See Caldwell, M. H., and Green.)
- Green, Irving W., Cranford, N. J., assignor to American Telephone and Telegraph Company. Recording system. 1,654,645; Jan. 3.
- Green, J. Birchard, Chicago, Ill. Coating for welding or cutting rods. 1,663,004; Mar. 20.
- Green, J. Birchard, Chicago, Ill. Coated filler material. 1,669,661; May 15.
- Green, J. Birchard, Chicago, Ill. Container for annealing and similar purposes. 1,684,391; Sept. 18.
- Green, J. Birchard, assignor to Chicago Steel & Wire Company, Chicago, Ill. Stitching wire. 1,667,730; May 1.
- Green, J. Birchard, assignor to Chicago Steel and Wire Company, Chicago, Ill. Welding rod. 1,669,660; May 15.
- Green, J. Birchard, assignor to Chicago Steel & Wire Company, Chicago, Ill. Stabilizing and modifying the metallic welding arc. 1,685,082; Sept. 25.
- Green, J. E., et al. (See Dokkenwadel, Frederick G., assignor.)
- Green, John T., assignor to M. F. Hall, Phoenixville, Pa. Signal lamp for vehicles. 1,671,472; May 29.
- Green, John W., Portsmouth, Va. Combination blind and screen. 1,681,534; Aug. 21.
- Green, John W., assignor to Pawnee Wood Heel Co., St. Louis, Mo. Machine for use in manufacturing wooden heels for shoes. 1,670,304; May 22.
- Green, Julius. (See Brown, M., and Green.)
- Green, L. A. (See Green, Ellis, assignor.)
- Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Preparing solid fuels for burning in pulverized form. 1,673,114; June 12.
- Green, Lee B., Lakewood, assignor of one-third to E. L. Jones, Cleveland, one-third to C. L. Finney, Canton, and one-third to C. B. Krause, Cleveland, Ohio. Compressor. 1,675,546; July 3.
- Green, Lee B., Lakewood, assignor to The Borden Company, Warren, Ohio. Washing machine. 1,679,123; July 31.
- Green, Lee B., Lakewood, Ohio, assignor to The Borden Company, Warren, Ohio. Vise. 1,682,501; Aug. 28.
- Green, Lulu, Los Angeles, Calif. Holder for registration certificates and the like. 1,660,872; Feb. 28.
- Green, Matthew. (See Willard, H. H., and Green.)
- Green, Maurice W., Hampton, Va. Impeller. 1,661,940; Mar. 6.
- Green, Newton E., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,690,633; Nov. 6.
- Green, Richard D., assignor to John A. Roebling's Sons Company, Trenton, N. J. Sawing wire. 1,687,089; Oct. 9.
- Green, Samuel G., Gray, Ga. Machine-gun unit. 1,689,482; Oct. 30.
- Green, Samuel G., Gray, Ga., and J. L. Hatcher, U. S. Army, Washington, D. C. Mount for guns. 1,669,662; May 15.
- Green, Sherwood, Berkeley, Calif. Drying apparatus. 1,695,652; Dec. 18.
- Green, Thomas L. (See Green, T. L., and Williams, assignors.)
- Green, Thomas L., Indianapolis, Ind. Biscuit cutting and embossing machine. 1,660,552; Feb. 28.

- Green, Thomas L., and C. H. Williams, Indianapolis, Ind., assignors to said Green. Biscuit cutting and embossing machine. 1,660,553; Feb. 28.
- Green, Thomas L., and C. H. Williams, assignors to said Thomas L. Green, Indianapolis, Ind. Cutter mechanism for plastic material. 1,677,180; July 17.
- Green, Walter H., assignor to General Zeolite Company, Chicago, Ill. Water-softening apparatus. 1,677,891; July 24.
- Green, Walter H., assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Water-treatment apparatus. 1,684,822; Sept. 18.
- Green, Walter R., deceased; A. H. Green, executor, assignor to International Stamping Company, Chicago, Ill. Luggage carrier and rack. 1,654,728; Jan. 8.
- Green, Walter R., deceased; A. H. Green, executor, assignor to International Stamping Company, Chicago, Ill. Underslung tire carrier. 1,684,856; Apr. 3.
- Green, William, et al. (See Smith, Luther, assignor.)
- Green, William D. (See Snyder, E. H., and Green.)
- Greenawalt, Lewis J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostat. 1,687,664; Oct. 16.
- Greenawalt, William E., Denver, Colo. Copper-extraction process. 1,654,930; Jan. 3.
- Greenbaum, Leo, Far Rockaway, E. Van Hoofstadt, Ocean-side, and C. Gustavson, Brooklyn, N. Y., assignors to Lion Match Company, Inc. Feeding and cutting paper match splints. 1,686,232; Oct. 2.
- Greenbaum, Leo, Far Rockaway, E. Van Hoofstadt, Ocean-side, and C. Gustavson, Brooklyn, N. Y., assignors to Lion Match Company, Inc. Book-match machine. 1,694,505; Dec. 11.
- Greenberg, Abraham L. (See D'Amico, A., and Greenberg.)
- Greenberg, Geza, New York, N. Y. Garment support. 1,693,030; Nov. 27.
- Greenberg, Joseph, Newark, N. J. Sterilizing apparatus. 1,660,789; Feb. 28.
- Greenberg, Morris, Jersey City, N. J. Trunk handle. 1,665,353; Apr. 10.
- Greenberg, William, Bronx, assignor of one-half to E. Kaufman, Brooklyn, N. Y. Clasp jaw for fur scarfs or the like. Des. 76,344; Sept. 18.
- Greenblatt, Camille, Louisville, Ky. Toothbrush. 1,659,628; Feb. 21.
- Greenbowe, James W., Bayonne, N. J., assignor to Westinghouse Lamp Company. Multiple grid electrode. 1,670,503; May 22.
- Greene, Albert C., Willesden Junction, London, England. Marker. 1,678,215; July 24.
- Greene, Albert E., Medina, Wash. Electric-furnace voltage control. 1,662,149; Mar. 12.
- Greene, Albert E., Medina, Wash. Electric furnace and method of operation. 1,687,936; Oct. 16.
- Greene, Albert E., Medina, Wash. Electric furnace and electrode crane. 1,687,937; Oct. 16.
- Greene, Bartholomew, H., Sebring, Ohio. Kiln. 1,694,650; Dec. 11.
- Greene, Benjamin H., Canton, Ohio. Automatic electric control system. 1,685,052; Sept. 18.
- Greene, Chester W. (See Ellis, A. L. R., and Greene.)
- Greene, Donald E., Decatur, Ill. Duster. 1,671,988; June 5.
- Greene, Edgeworth. (See Stringham, J. H., Greene, and Swenarton.)
- Greene, Edward F., New York, N. Y., assignor to Revere Rubber Company, Chelsea, Mass. Combined sole and heel. Des. 77,152; Dec. 11.
- Greene, Fred E., Berkeley, assignor to A. B. Humphrey Company, Escalon, Calif. Air-circulating device for refrigerator cars. 1,679,124; July 31.
- Greene, Fred E., Berkeley, assignor to A. B. Humphrey Co., Perkins, Calif. Dust sprayer. 1,688,706; Oct. 23.
- Greene, Frederic C., Atlanta, assignor of four-tenths to F. Branan, Macon, Ga. Telephone. 1,690,634; Nov. 6.
- Greene, Frederick J., et al. (See Wolf, John, assignor.)
- Greene, J. Oldham. (See Turner, Howard B., assignor.)
- Greene, John F., Brooklyn, N. Y., assignor of one-half to J. H. Weber, Landing, N. J. Direction indicator. 1,675,215; June 26.
- Greene, John S., Rochester, N. Y., assignor to Photostat Corporation. Photographic-print-drying apparatus. 1,683,883; Sept. 11.
- Greene, Lawrence S., New Canaan, Conn. Internal-combustion engine. 1,670,805; May 22.
- Greene, Marius, et al. (See Bacholdt, Jacob, assignor.)
- Greene, Marius, assignor of one-third to W. S. Chittick and one-third to J. Mothershead, New York, N. Y. Theft-alarm device. 1,654,931; Jan. 3.
- Greene, Raymond J., assignor to The Gem Clay Forming Company, Sebring, Ohio. Ornamented surface and forming the same. 1,665,354; Apr. 10.
- Greene, Raymond J., assignor to The Gem Clay Forming Company, Sebring, Ohio. Making antique surfaces. 1,677,716; July 17.
- Greene, Sarah D., Cossackie, N. Y. Combination salt and pepper shaker. Des. 75,364; May 29.
- Greene, William A. (See Dayton, Clarence W., assignor.)
- Greene, William E., Riverside, Calif. Binder. 1,668,402; May 1.
- Greene, William H., Long Beach, Calif. Latch. 1,654,729; Jan. 8.
- Greenebaum, Samuel, Kansas City, Mo. Tile or analogous simulation. 1,657,159; Jan. 24.
- Greener, Harry, Birmingham, England. Shot cartridge. 1,661,609; Mar. 6.
- Greenewalt, Mary H., Philadelphia, Pa. Controlling light. 1,654,873; Jan. 3.
- Greenfield, Benjamin. (See Kless, A. L., Greenfield, and Ackermann.)
- Greenfield, Benjamin, Bartlesville, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Fluid meter. 1,660,503; Feb. 23.
- Greenfield, Benjamin, Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Oil-burning system. 1,671,822; May 29.
- Greenfield Tap and Die Corporation. (See Drake, Aiden M., assignor.)
- Greenfield, William H., Philadelphia, Pa. Rail-heating device. 1,681,231; Aug. 21.
- Greenfield, William H., Seattle, Wash. Miter jack and coping cutter. 1,684,090; Sept. 11.
- Greengus, Isadore, Providence, R. I. Clock case. Des. 74,736; Mar. 20.
- Greenhalgh, George H., assignor to E. J. Sweetland, Hazleton, Pa. Distilling device for lubricating systems of internal-combustion engines. 1,668,013; May 1.
- Greenhouse, Martin E., Philadelphia, Pa. Shock absorber for vehicles. 1,678,040; July 24.
- Greenhouse, Samuel, Akron, Ohio. Pressure-regulating valve. 1,656,670; Jan. 17.
- Greenhouse, Samuel, Akron, Ohio. Float-controlled valve. 1,683,180; Sept. 4.
- Greenhouse, Samuel, Akron, Ohio. Bottle-filling machine. 1,686,811; Oct. 9.
- Greenidge, Samuel M., Dallas, Tex. Packing for pistons and the like. 1,682,222; Aug. 28.
- Greenlaw, William H., Beverly, Mass. Support for fire-alarm and police signal boxes. 1,682,613; Aug. 28.
- Greenleaf, George E., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Tailstock clamping means. 1,656,351; Jan. 17.
- Greenleaf, Robert M. (See Routt, O. L., and Greenleaf.)
- Greenlee Bros. & Co. (See Hawkinson, Adolph H., assignor.)
- Greenlee Bros. & Co. (See Mansfield, Judson H., assignor.)
- Greenlees, Orr, St. Ignace, Mich. Chair. Des. 75,235; May 22.
- Greenop, Norton, Leigh-on-Sea, England. Banjo and similar musical instruments. 1,664,547; Apr. 3.
- Greenslade, Grover R., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay bolt and method of making. 1,660,960; Feb. 28.
- Greenspan, Carl J., Philadelphia, Pa. Braid and making the same. 1,692,651; Nov. 20.
- Greenstein, Abraham, Brooklyn, N. Y. Adjustable head-gear. 1,688,013; Oct. 16.
- Greenstreet, Oliver P., Owensville, Mo. Expandable and retractable roofing sheet. 1,686,274; Oct. 2.
- Greenwald, Harold A., assignor to T. C. Whitehead, Detroit, Mich. Compressor. 1,661,661; Mar. 6.
- Greenwald, Harold A., and J. D. Howe, assignors to Whitehead & Kales, Detroit, Mich. Oil burner. 1,664,410; Apr. 3.
- Greenwell, Nevil. (See Lukens, W. L., and Greenwell.)
- Greenwich, John, Fernwood, Idaho, Torpedo guard. 1,664,167; Mar. 27.
- Greenwood, Charles H., Canton, Ohio. Bobbin case. 1,691,242; Nov. 13.
- Greenwood, Dolphice H., Los Angeles, Calif. Combination sucker-rod elevator and spider. 1,666,621; Apr. 17.
- Greenwood, George W., Wilmington, Del., assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Candy package. 1,683,542; Sept. 4.
- Greenwood, James G. (See McNair, H., and Greenwood.)
- Greenwood, Jasper L., North East Harbor, Nova Scotia, Canada. Wheel rim. 1,665,092; Apr. 3.
- Greenwood, Raymond C., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Snowplow. 1,694,174; Dec. 4.
- Greenwood, Talma T., East Templeton, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Contact structure for electric switches. 1,696,801; Dec. 25.
- Greenwood, Willey. (See Wise, F. C., and Greenwood.)
- Greer, Benjamin J., assignor of one-half to M. A. Jackson, Athens, Tex. Wrench. 1,678,216; July 24.
- Greer, Butler F., San Francisco, Calif. Savings bank. 1,691,628; Nov. 13.
- Greer, Frederick W. (See Greer, Jesse W. and F. W.)
- Greer, Isabella, administratrix. (See Greer, Thomas.)
- Greer, Jesse W., Cambridge, Mass. Conveyer belt. 1,669,613; May 15.
- Greer, Jesse W., Cambridge, Mass. Conveyer. 1,679,717; Aug. 7.
- Greer, Jesse W., Cambridge, Mass. Confectionery-packing machine. 1,686,375; Oct. 2.
- Greer, Jesse W., and F. W., Cambridge, Mass. Confection-conveying machine. 1,672,522; June 5.
- Greer, Thomas, deceased, Gloversville, N. Y.; I. Greer, administratrix, assignor, by mesne assignments, to Wilson-Western Sporting Goods Company, Chicago, Ill. Lacing for soccer football. 1,669,198; May 8.
- Greger, George G., Detroit, Mich. Pin wheel. 1,669,748; May 15.

- Greger, Julius, Chicago, Ill. Multifilament vacuum tube. 1,660,122; Feb. 21.
- Gregg, Charles F., Indianapolis, Ind. Cleaning machine. 1,685,812; Oct. 2.
- Gregg, Charles F., and E. Probst, Indianapolis, Ind. Drying machine. 1,675,099; June 26.
- Gregg Company Ltd., The. (See Gregg, Louis D., assignor.)
- Gregg Company Ltd., The. (See Gregg, William B., assignor.)
- Gregg, Louis D., Hackensack, N. J. Connecting device. 1,689,023; Oct. 23.
- Gregg, Louis D., assignor to The Gregg Company Ltd., Hackensack, N. J. Stake pocket. 1,691,473; Nov. 13.
- Gregg, Louis D., Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y. Car coupler. 1,695,281; Dec. 18.
- Gregg, Tresham D., Plainfield, N. J. Game apparatus. 1,669,822; May 15.
- Gregg, Vernon M., Cedar Falls, Iowa. Combination dental tray. 1,672,523; June 5.
- Gregg, William B., assignor to The Gregg Company Ltd., Hackensack, N. J. Car-frame construction. 1,691,474; Nov. 13.
- Gregg, William L., assignor to The Fuller-Warren Company, Milwaukee, Wis. Range. 1,692,650; Nov. 20.
- Gregor, Eugene. (See Egan, J. J., and Gregor.)
- Gregory, Bige. (See Mitchell, C. C., and Gregory.)
- Gregory, Charles C., Norfolk, Va. Hand-truck attachment. 1,670,255; May 15.
- Gregory, Ernest, New Haven, assignor to The Lyons Manufacturing Company, Hamden, Conn. Cigarette case. 1,680,782; Aug. 14.
- Gregory, Ernest R., Galveston, Tex. Adjustable spring-shackle bushing. 1,657,501; Jan. 31.
- Gregory, Eugene, Ann Arbor, Mich. Finger-tip pencil. 1,678,505; July 24.
- Gregory, Eugene, Ann Arbor, assignor of one-tenth to E. H. Saier, Lansing, Mich. Ballot marker and setter. 1,685,996; Oct. 2.
- Gregory & Read Company. (See Gulliford, Nicholas L., assignor.)
- Greibach, Emil H. (See Smith, B. H., Atherton, and Greibach.)
- Greif Bros. Cooperage Co., The. (See Brush, Nathan A., assignor.)
- Greilich, Henry C., Brooklyn, N. Y. Leggings. 1,691,057; Nov. 13.
- Grein, Conrad, Evansville, Ind. Whistle. Des. 76,014; Aug. 14.
- Greiner, William P., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Automatic drying machine. 1,690,447; Nov. 6.
- Greiner, William P., and H. Morshead, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Form carrier for drying machines. 1,681,143; Aug. 14.
- Greis, Frederick A., New York, N. Y., assignor to Elliott-Fisher Company. Demonstration device. 1,668,844; May 8.
- Greist, Hubert M., New Haven, Conn. Collapsible-tube holder. 1,692,116; Nov. 20.
- Greist Manufacturing Company, The. (See Carmichael, Andrew J., assignor.)
- Greist Manufacturing Company, The. (See Carmichael, A. J., and Balzano, assignors.)
- Greist Manufacturing Company, The. (See Hinman, George L., assignor.)
- Greist, Raymond L., assignor to Leach Company, Chicago, Ill. Road paver. 1,659,651; Feb. 21.
- Greive, H. J. (See Gault, Frank W. Jr., assignor.)
- Gremling, Joseph A. (See Newton, M. C., and Gremling.)
- Grenier, Georges, St. Claude, France. Tobacco pipe. 1,656,112; Jan. 10.
- Grenier, Georges, St. Claude, France. Tobacco pipe. 1,656,787; Jan. 17.
- Grenier, Joseph O., Vancouver, British Columbia, Canada. Rope puller. 1,692,728; Nov. 20.
- Gresley, Herbert N., Hadley Wood, assignor of one-half to The Leeds Forge Company Limited, Leeds, England. Railway and tramway vehicle. 1,674,778; June 26.
- Gress, Karl. (See Eddeleanu, L., Pfeiffer, Gress, and Jodeck.)
- Gresvig, A. (See Berge, Rasmus.)
- Gretchen Company, San Francisco, Calif. Doll. Des. 74,720; Mar. 20.
- Greth, August, Los Angeles, Calif. Cabinet. 1,691,186; Nov. 13.
- Gretsch, Frederick, Brooklyn, N. Y. Musical instrument. 1,685,706; Sept. 25.
- Greune, Heinrich. (See Wolfram, A., and Greune.)
- Greve, Edgar E., Bellevue, Pa. Electric differential drive for drilling machinery. 1,660,439; Feb. 28.
- Grove, Edgar E., Bellevue, Pa. Rotary drilling machine. 1,661,285; Mar. 6.
- Greve, Edgar E., Bellevue, Pa. Sucker-rod elevator. 1,665,259; Apr. 10.
- Greve, Edgar E., Bellevue, Pa. Tool joint. 1,671,579; May 29.
- Greve, Edgar E., Bellevue, Pa. Flow plug. 1,671,580; May 29.
- Greve, Edgar E., Bellevue, Pa. C-link. 1,671,581; May 29.
- Greve, Edgar E., Bellevue, Pa. Automatic releasing tongs. 1,690,007; Oct. 30.
- Greve, Edgar E., Bellevue, Pa. Automatic releasing tongs. 1,690,008; Oct. 30.
- Greve, Herman L., Brooklyn, N. Y. Mailing wrapper for photographs. 1,685,813; Oct. 2.
- Greve, Herman L., assignor to International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Carton. 1,668,311; May 1.
- Greve, Paul, Lindau-on-the-Harz, Germany. Drying means for yarn-sizing machines. 1,692,373; Nov. 20.
- Grey, Arthur W. (See Parsons, C. A., Rosen, Grey, and Blair.)
- Grey, Arthur W. (See Parsons, C. A., Rosen, Grey, and Midgley.)
- Grey, Charles, Clinton, Iowa. Window-rod holder. 1,668,241; May 1.
- Grey, John A. (See Guerrero, E., and Grey.)
- Grice, Eli, Garrison, Nebr. Poultry fountain. 1,654,802; Jan. 3.
- Grid-Iron-Grip Company. (See Slauson, Louis E., assignor.)
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp column. Des. 74,737; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp column. Des. 74,738; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp column. Des. 74,739; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp arm. Des. 74,740; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp arm. Des. 74,741; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp arm. Des. 74,742; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp arm. Des. 74,743; Mar. 20.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,021; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,022; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,023; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,024; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,025; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,026; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,027; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,028; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,029; May 1.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,105; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,106; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,107; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,108; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,109; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,110; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,111; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,112; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,113; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,114; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,115; May 8.
- Grien, Joseph, Chicago, Ill., assignor to Hamilton-Ross Factories Inc. Lamp base. Des. 75,116; May 8.
- Grier, Arthur G., Peterboro, Canada, assignor to General Electric Company. Compensated meter. 1,677,025; July 10.
- Grierson, Paul S., South Orange, N. J., assignor to Charles Cory & Son, Incorporated, New York, N. Y. General alarm system for battleships. 1,654,971; Jan. 3.
- Grieser, Friedrich, Berlin, Germany. Method and apparatus for producing permanent waves. 1,658,082; Feb. 7.
- Griessbach, Robert, and J. Eisele, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Stable suspension and paste of coal. 1,681,335; Aug. 21.
- Griessbach, Robert, and J. Eisele, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Utilization of lignin. 1,666,696; Apr. 17.
- Griessbach, Robert, Ludwigshafen-on-the-Rhine, and K. Röhre, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of ammonium phosphate. 1,659,198; Feb. 14.
- Griessbach, Robert, Ludwigshafen-on-the-Rhine, and K. Röhre, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of anhydrous magnesium chloride. 1,661,894; Mar. 6.

- Griessbach, Robert, Ludwigshafen-on-the-Rhine, and K. Röhr, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of sodium nitrate. 1,696,197; Dec. 25.
- Griessbach, Robert, O. Balz, and A. Rössler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of di-ammonium phosphate. 1,670,504; May 22.
- Griesbaum, Erwin, St. Louis, Mo. Rail tie. 1,686,320; Oct. 2.
- Griewank, Arthur C., Oakland, Calif. Draft rigging for concrete railway cars. 1,662,110; Mar. 13.
- Griffin, Alvah M., assignor to Universal Holding Company, Los Angeles, Calif. Floating deck. 1,666,416; Apr. 17.
- Griffin, Cedric E. (See Eaton, Leslie E., assignor.)
- Griffin, Edward B., Somerville, Mass. Railway spike. 1,676,022; July 3.
- Griffin, Elbert, Terre Haute, Ind. Panel for furniture. Des. 75,839; July 24.
- Griffin, Gordon, et al. (See Weston, Charles W., assignor.)
- Griffin, Henry W., New York, N. Y., and L. F. Howard, Edgewood Borough, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,664,814; Apr. 3.
- Griffin, James C., assignor to Griffin Manufacturing Company, Erie, Pa. Spring bolt. 1,678,982; July 31.
- Griffin, Joseph, Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,689,336; Oct. 30.
- Griffin, Joseph E., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,665,587; Apr. 10.
- Griffin, Joseph E., Teaneck, N. J., assignor to The Superheater Company, New York, N. Y. Locomotive-smoke-box arrangement. 1,678,727; July 31.
- Griffin Manufacturing Company. (See Alexander, Charles E., assignor.)
- Griffin Manufacturing Company. (See Griffin, James C., assignor.)
- Griffin, Nellie I., Wichita, Kans. Dishwashing mechanism. 1,668,808; May 8.
- Griffin, Palmer W. (See Buchanan, G. H., and Griffin.)
- Griffin, Percy M., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Door engine. 1,692,034; Nov. 20.
- Griffin, Thomas E., West Haven, Conn. Toy. 1,687,610; Oct. 16.
- Griffs, John C., assignor to Pacific Pipe and Supply Company, Los Angeles, Calif. Lavatory. Des. 74,880; Apr. 10.
- Griffith, Arthur T., Cozad, Nebr. Rake. 1,681,336; Aug. 21.
- Griffith, Edmund L., Freeport, Ill. Investment compound. 1,658,437; Feb. 7.
- Griffith, Edwin H., assignor to William E. Hooper & Sons Company, Baltimore, Md. Light support. 1,671,280; May 29.
- Griffith, Ernest H., Gouldbusk, Tex. Grain-heading machine. 1,660,554; Feb. 28.
- Griffith, Graves, San Francisco, Calif. Range finder. 1,678,062; July 24.
- Griffith, Harry H. (See Canterbury, Harry H., assignor.)
- Griffith, Hurwood W., Geyerville, Calif. Toilet device for wheel-chair invalids. 1,668,242; May 1.
- Griffith, John T. (See Wentzel, R. E., and Griffith.)
- Griffith, Lavigne & Hamel Company. (See Lavigne, Joseph P., assignor.)
- Griffith, Lawrence, Yonkers, N. Y. Sanitary catch basin. 1,654,803; Jan. 3.
- Griffith, Leigh M. (See Garbutt, F. E., and Griffith.)
- Griffith, Minnie, Almira, Wash. Dressmaker's gauge and creaser. 1,667,150; Apr. 24.
- Griffith, Morgan J., Chicago, Ill. Switch-heating apparatus. 1,662,368; Mar. 13.
- Griffith, Palmer W., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Condensation product and making same. 1,658,597; Feb. 7.
- Griffith, Palmer W., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Treating calcium cyanide. 1,663,125; Mar. 20.
- Griffith, Shelby N., Doylestown, Pa. Electrical-fixture unit. 1,672,312; June 5.
- Griffith, Shelby N., Monongahela, Pa. Combination electric plug and switch. 1,673,070; June 12.
- Griffith, Stanley E., Olean, N. Y. Vehicle brake. 1,683,665; Sept. 11.
- Griffith, Thomas E., and L. L. Dodds, assignors to The W. S. Tyler Company, Cleveland, Ohio. Switch mechanism. 1,657,714; Jan. 31.
- Griffith, Thomas E., and L. L. Dodds, assignors to The W. S. Tyler Company, Cleveland, Ohio. Switch mechanism. 1,657,715; Jan. 31.
- Griffith, Thomas E., and L. L. Dodds, assignors to The W. S. Tyler Company, Cleveland, Ohio. Switch mechanism. 1,679,355; Aug. 7.
- Griffiths, Alfred, Rock Ferry, assignor to Kleenglas Limited, London, England. Washing, drying, and polishing tumblers, cups, and like articles. 1,693,780; Dec. 4.
- Griffiths, Francis H. (See Evans, J. E., and Griffiths.)
- Griffiths, Harold, Shrewsbury, Mass. Jacquard harness. 1,685,878; Oct. 2.
- Griffiths, Hugh, London, England. Fire extinguisher. 1,670,806; May 22.
- Griffiths, Jean. (See Straub, Emile, assignor.)
- Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Bottle nipple. 1,683,246; Sept. 4.
- Griffiths, William E., Flushing, N. Y. Window screen. 1,692,206; Nov. 20.
- Griffiths, William U., Philadelphia, Pa. Wash tray. 1,654,542; Jan. 3.
- Griffiths, William U., Philadelphia, Pa. Support for wash trays or the like. 1,674,823; June 26.
- Griffiths, William U., Philadelphia, Pa. Drain board. 1,678,041; July 24.
- Griffiths, William U., Philadelphia, Pa. Flush-control means for water-closet hoppers. 1,683,884; Sept. 11.
- Grifon, Gaston, Paris, France. Carburetor. 1,655,902; Jan. 10.
- Griggs, Elmer V., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. 1,655,357; Sept. 25.
- Griggs, Joseph F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Golf-ball-winding machine. 1,661,893; Mar. 6.
- Griggs, Monroe C., Exeter, Calif. Ladder. 1,671,239; May 29.
- Grignon, Irvell J., Duluth, Minn. Cigarette case. 1,664,743; Apr. 3.
- Grigsby-Grunow-Hinds Co. (See Grunow, W. C., and Grigsby, assignors.)
- Grigsby-Grunow-Hinds Co. (See Osborn, Jesse C., assignor.)
- Grigsby, Owen E. (See Grunow, W. C., and Grigsby.)
- Grill, Philip, assignor to the firm Grill & Schwartz, New York, N. Y. Finger ring. Des. 75,838; July 24.
- Grill & Schwartz. (See Grill, Philip, assignor.)
- Grillet, Nicolas B., Neuilly, assignor to Société pour la Fabrications de la Soie "Rhodiaseta," Paris, France. Apparatus for the manufacture of artificial silk. 1,695,094; Dec. 11.
- Grilli, Angelo, assignor of one-half to D. Livieri, Milwaukee, Wis. Tire and luggage carrier. 1,689,825; Oct. 30.
- Grinditch, William H., and J. N. Hunsberger, Jr., assignors to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrolytic rectifier. 1,662,383; Mar. 13.
- Grimes, Charles P., Syracuse, N. Y. Tool for lapping internal surfaces. 1,670,068; May 15.
- Grimes, Charles P., assignor to Pedwyn Balancer Corporation, Syracuse, N. Y. Safety lock for counterbalancing devices. 1,685,585; Sept. 25.
- Grimes, David. (See Thompson, E. O., Grimes, and Fisher.)
- Grimes, David, Grasmere, N. Y. Radio apparatus. 1,664,548; Apr. 3.
- Grimes, Lester A., Montclair, N. J., assignor to Grimes Sprinkler Company, Inc., Newark, N. J. Rotary alarm device. 1,686,692; Oct. 9.
- Grimes, Lester A., Montclair, assignor to Grimes Sprinkler Company, Inc., Newark, N. J. Alarm check valve. 1,693,842; Dec. 4.
- Grimes Sprinkler Company. (See Grimes, Lester A., assignor.)
- Grimes, William F. (See Loftin, E. H., and Grimes.)
- Grimm, Fred I., Beaver, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Support for nailing strips and the like. 1,693,949; Dec. 4.
- Grimm, George E., assignor to The Willys-Overland Company, Toledo, Ohio. Cowl ventilator. 1,666,874; Apr. 17.
- Grimm, Gerhardt E., Springfield, assignor to Westfield River Paper Company, Russell, Mass. Paper backing and coating the same. 1,667,853; May 1.
- Grimm, Gerhardt E., Springfield, assignor to Westfield River Paper Company, Russell, Mass. Rubber sheet material for manufacturing. 1,667,854; May 1.
- Grimm, Hans G., Munich, Germany. Stabilizing chemical substances. 1,664,678; Apr. 3.
- Grimmeisen, Herman O., Springfield, Mass. Container. 1,668,960; May 8.
- Grimmer, Josef. (See Mayer, B., and Grimmer.)
- Grimmich, William, assignor to E. J. Paidar Company, Chicago, Ill. Reclining chair and foot rest. 1,675,547; July 3.
- Grimoin-Sanson, Raoul, Paris, and H. Danel, Argenteuil, France. Manufacture of molded and vulcanized rubber-cork articles. 1,688,491; Oct. 23.
- Grimshaw, Benjamin F., Stockton, Calif. Signpost. Des. 74,744; Mar. 20.
- Grimshaw, Frederick H. (See Guild, W. J., and Grimshaw.)
- Grimshaw, William, Chicago, Ill. Ceiling plate. 1,676,228; July 3.
- Grimshaw, William, Glen Ellyn, Ill. Strut for automatic sprinklers. 1,679,568; Aug. 7.
- Grimsrud, Gustave, Antelope, Mont. Wrench. 1,689,072; Oct. 23.
- Grindle, Aubrey J., Chicago, Ill., assignor to Grindle Fuel Equipment Company. Powdered-coal distribution system. 1,669,084; May 8.
- Grindle, Aubrey J., Chicago, Ill., assignor to Grindle Fuel Equipment Company, Harvey, Ill. Pulverizer. 1,669,239; May 8.
- Grindle, Earle L., Ellsworth, Me. Marine engine. 1,687,288; Oct. 9.

- Grindle Fuel Equipment Company. (See Grindle, Aubrey J., assignor.)
- Grine, Harry A., Meadowbrook, W. Va., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Casting and shelf plate. 1,674,108; June 19.
- Grininger, John H., St. Paul, Minn. Antirattling device for storm windows. 1,689,826; Oct. 30.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp-bulb inserting and removing device. 1,658,017; Jan. 81.
- Grip Bow Tie Company. (See Miller, George R., assignor.)
- Grip-Lite Manufacturing Company. (See Bloom, L., and Cohan, assignors.)
- Griscom-Russell Company, The. (See Nelson, Eric H., assignor.)
- Griscom-Russell Company, The. (See Price, Joseph, assignor.)
- Grisdale, George W., and E. Schneider, assignors to Republic Flow Meters Company, Chicago, Ill. Electric meter. 1,695,422; Dec. 18.
- Grissinger, Elwood, Buffalo, N. Y. Sound-projecting apparatus. 1,666,057; Apr. 10.
- Grissinger, Elwood, Buffalo, N. Y. Sound projector. 1,666,058; Apr. 10.
- Grissinger, Elwood, Buffalo, N. Y. Sound projector. 1,666,059; Apr. 10.
- Grist, George, Norton St. Philip, near Bath, assignor to R. A. Lister & Company Limited, Dursley, Gloucestershire, England. Power-driven vehicle. 1,663,299; Mar. 20.
- Griswold, Albert A., Providence, R. I. Roll roofing. 1,684,179; Sept. 11.
- Griswold, Albert A., Providence, R. I., and A. C. Goddard, Richmond Hill, N. Y.; said Goddard assignor, by mesne assignments, to J. F. Chevalier, Brookline, Mass. Wire-cutting mechanism. 1,666,134; Apr. 17.
- Griswold, Andrew E., Seattle, Wash. Safety switch. 1,687,835; Oct. 16.
- Griswold, Donald. (See Harwood, S. G., and Griswold.)
- Griswold, Frank W., Minneapolis, Minn. Traffic signal. Des. 74,925; Apr. 17.
- Griswold, George G., Jr., and G. E. Sheridan, Butte, Mont. Flotation of ores. 1,668,202; May 1.
- Griswold, Glenn G., Madison, Ohio. Emulsified food product. 1,686,556; Oct. 9.
- Griswold, Harold T., assignor to Sanford Manufacturing Co., Chicago, Ill. Paste jar. 1,655,950; Jan. 10.
- Griswold Manufacturing Company, The. (See Fromknecht, Bernard M., assignor.)
- Griswold Manufacturing Company, The. (See Griswold, Roger W., assignor.)
- Griswold Manufacturing Company, The. (See Hollands, John C., assignor.)
- Griswold Manufacturing Company, The. (See Massing, Charles A., assignor.)
- Griswold, Robert G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Gas water heater. 1,691,008; Nov. 6.
- Griswold, Roger W., assignor to The Griswold Manufacturing Company, Erie, Pa. Stove damper. 1,694,740; Dec. 11.
- Gritman, Hubert J. (See Quinn, E. J., Sprake, and Gritman.)
- Gritt, Frank A., assignor to Gritt, Ragsdale and Co., Indianapolis, Ind. Display device. 1,671,071; May 22.
- Gritt, Frank A., assignor to Gritt, Ragsdale and Co., Indianapolis, Ind. Rotary illuminated motion sign. 1,671,072; May 22.
- Gritt, Ragsdale and Co. (See Gritt, Frank A., assignor.)
- Grizzard, Horace H. (See Harman, William H., assignor.)
- Groak, Irwin D., Chicago, Ill. Mounting for water-purifying apparatus. Des. 76,391; Sept. 25.
- Grob, Benjamin. (See Pau, A., and Grob.)
- Grob, Benjamin, West Allis, Wis. Electric welding. 1,674,109; June 19.
- Grohan, Harold, Brooklyn, N. Y. Lamp shade. Des. 77,153; Dec. 11.
- Grobby, John M. L., Newton, Mass. Bottle closure. 1,681,036; Aug. 14.
- Grodd, Gustav. (See Trankowski, B., and Grodd.)
- Groden, John J., Philadelphia, Pa. Foldable wringer. 1,690,062; Oct. 30.
- Grodzicker, Leib. (See Vermes, A., Stern, and Grodzicker.)
- Groehn, Otto J., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Fire-pot construction. 1,661,820; Mar. 6.
- Groehn, Otto J., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Torch. 1,670,112; May 15.
- Groehn, Otto J., Grosse Pointe Park, assignor to Hudson Motor Car Company, Detroit, Mich. Panel joint for automobile bodies and making the same. 1,693,750; Dec. 4.
- Groen, Christopher, Algonquin, Ill. Driving mechanism for ironing machines. 1,667,151; Apr. 24.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Spindle stop. 1,661,474; Mar. 6.
- Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crank-shaft lathe chuck. 1,664,622; Apr. 3.
- Groene, William F., and R. M. Bacon, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machine tool. 1,661,610; Mar. 6.
- Groenenstein, Philip J., Cleveland, Ohio. Glass shield. 1,676,896; July 10.
- Groenke, John H., assignor to The Bucher & Gibbs Plow Company, Canton, Ohio. Self-leveling wheeled plow. 1,685,321; Sept. 25.
- Groesbeck, Ernie, Oshkosh, Wis. Rotary steam engine. 1,673,504; June 12.
- Groesbeckhearn, Inc. (See Smith, Isabella H., assignor.)
- Groetsch, John H., Gaylord, Minn. Lawn-mower sharpener. 1,677,556; July 17.
- Groff, Aaron, assignor to Groff Paper Company, St. Paul, Minn. Machine for folding napkins. 1,671,716; May 29.
- Groff, Frazier, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Laminated product and making same. 1,673,239; June 12.
- Groff, Frazier, Verona, N. J., assignor to Bakelite Corporation, New York, N. Y. Phenol resin and making same. 1,693,112; Nov. 27.
- Groff, Joseph C., New York, N. Y. Valve gear for internal-combustion engines of the compression ignition type. 1,657,120; Jan. 24.
- Groff Paper Company. (See Groff, Aaron, assignor.)
- Groger, William R., Elsegundo, Calif. Cross-line-puzzle game. 1,657,304; Jan. 24.
- Groh, Robert C., St. Paul, assignor of one-third to G. F. Getsey, Minneapolis, and one-third to F. X. Novak, St. Paul, Minn. Bag. 1,671,928; May 29.
- Groh, Willis E., Corunna, Ind. Sand pump. 1,686,321; Oct. 2.
- Grohn, Henry P., Chicago, Ill. Cylinder and tire gauge. 1,684,864; Sept. 18.
- Grohs, Josef, Vienna, Austria. Fixation device for rails with removable heads. 1,695,730; Dec. 18.
- Grolan Manufacturing Company, The. (See Hill, Reuben, assignor.)
- Grolan Manufacturing Company, The. (See Frank, W. N., Croninger, and Hill, assignors.)
- Grolemund, Lawrence A., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,695,547; Dec. 18.
- Groll, Otto, New York, N. Y. Child's folding chair. 1,656,352; Jan. 17.
- Grom, Louise, New York, N. Y. Toilet device. 1,660,124; Feb. 21.
- Grom, Louise, New York, N. Y. Finger-wave comb. 1,675,754; July 3.
- Jrond, Julius B., New York, N. Y. Cooling and refrigerating system. 1,660,440; Feb. 28.
- Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-handling apparatus. 1,677,181; July 17.
- Grondahl, Hans H. C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-treating apparatus. 1,691,058; Nov. 13.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,657,468; Jan. 31.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,668,243; May 1.
- Grondahl, Lars O., Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,668,641; May 8.
- Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for causing intermittent operation of electroresponsive devices. 1,687,017; Oct. 9.
- Grondahl, Lars O., Pittsburgh, and L. L. Nettleton, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,656,580; Jan. 17.
- Grondahl, Lars O., Pittsburgh, and P. H. Geiger, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Testing railway-traffic-controlling apparatus. 1,672,410; June 5.
- Gröndal, Gustaf, Djursholm, Sweden. Continuous filtering apparatus. 1,668,557; May 8.
- Gröndal, Johan G., Djursholm, Sweden. Method and apparatus for handling bituminous materials. 1,687,760; Oct. 16.
- Gronell, George, assignor to P. Galassi, New York, N. Y. Apparatus for forming sheet-metal articles. 1,668,558; May 8.
- Groninger, Holmes B., Port Royal, Pa. Furnace structure. 1,672,524; June 5.
- Gronke, Barney, and C. F. Crumb, assignors to International Harvester Company, Chicago, Ill. Extension elevator for potato diggers. 1,673,193; June 12.
- Gronroos, Hugo, Copenhagen, Denmark. Manufacture of burnt building materials or the like of clay. 1,664,815; Apr. 3.
- Grönvall, John G., Stockholm, Sweden. Internal-combustion engine with counterrunning pistons. 1,692,499; Nov. 20.
- Grooms, Walter W., Cleveland, Ohio. Salvage gas generator for internal-combustion engines. 1,680,537; Aug. 14.
- Groove Lock Co. Inc. (See Leberman, Harry, assignor.)
- Groove Lock Co. Inc. (See Zeindlhofer, Anton, assignor.)
- Gropp, Friedrich, Berlin, and Max Butterline, Neubabelsberg, Germany, assignors to General Electric Company. Electric switch. 1,655,694; Jan. 10.

- Grosjean, James E., Lima, Ohio. Tread material and making the same. 1,687,441; Oct. 9.
- Gross, Anna L., Philadelphia, Pa. Compact retainer. 1,670,720; May 22.
- Gross, Arthur R., St. Paul, assignor to Gross Metal Products Company, Minneapolis, Minn. Metal door construction. 1,680,538; Aug. 14.
- Gross, Benjamin, assignor to Benjamin & Edward J. Gross Co. Inc., New York, N. Y. Finger ring or article of similar nature. Des. 74,926; Apr. 17.
- Gross, Benjamin & Edward J., Co. (See Gross, Benjamin, assignor.)
- Gross, Carl, Alliance, Ohio. Tile. 1,672,886; June 12.
- Gross, Carl, Alliance, Ohio. Truss. 1,672,887; June 12.
- Gross, Edward L., Chicago, Ill. Apparatus for purifying used lubricating oil. 1,681,980; Aug. 28.
- Gross, Frank, Idaho Springs, Colo. Combined crusher and grinding mill. 1,674,434; June 19.
- Gross, Fred G., assignor to Mrs. C. Schneider, Chicago, Ill. Attachment for logs and grates. 1,677,629; July 17.
- Gross, Harry, Brooklyn, N. Y. Cellar drainer. 1,694,199; Dec. 4.
- Gross, Henry J., Chicago, Ill. Andiron. Des. 75,973; Aug. 7.
- Gross Metal Products Company. (See Gross, Arthur R., assignor.)
- Gross, Miriam, Milwaukee, Wis. Knitted fabric. Des. 74,564; Feb. 28.
- Gross, Miriam, assignor to Miriam Gross Company, Milwaukee, Wis. Knitted dress. Des. 76,015; Aug. 14.
- Gross, Miriam, assignor to Miriam Gross Company, Milwaukee, Wis. Knitted dress. Des. 76,186; Aug. 28.
- Gross, Miriam, Company. (See Gross, Miriam, assignor.)
- Gross, Otto, Dallas, Tex. Combination cap and eye shield. 1,696,198; Dec. 25.
- Gross, Ralph, New York, N. Y. Signaling apparatus. 1,655,364; Jan. 3.
- Gross, Ralph A., assignor to Simplex Paper Box Co., Lititz, Pa. Collapsible box. 1,690,109; Nov. 6.
- Gross, Reinhold, Hohenneudorf, near Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Induction furnace. 1,676,545; July 10.
- Gross Viktor, et al. (See Bekesch, Anna, assignor.)
- Grosse, Carl, Berlin-Hermesdorf, Germany. Safety device for electric lines. 1,662,970; Mar. 20.
- Grosse, Friedrich, Jena, Germany. Slot-shutter mechanism for photographic cameras. 1,666,852; Apr. 17.
- Grosser, firm: G. F. (See Elsner, O., and Kühling, assignors.)
- Grosser, Walter C., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Closure means for metallic containers. 1,673,240; June 12.
- Grossgebauer, John. (See Hollstein, Fritz, assignor.)
- Grossi, Frank, Providence, R. I. Clock and time controlled switch for electric lights. 1,692,729; Nov. 20.
- Grossman, George B., et al. (See Catterlin, F. J., and Spencer, assignors.)
- Grossman, Harold, Caldwell, N. J., assignor of one-fourth to W. S. Pritchard, New York, N. Y. Producing oiled pigments. 1,696,034; Dec. 18.
- Grossman, Herman P., Boonville, Ind., assignor to International Harvester Company, Chicago, Ill. Corn shredder and husker. Re17,152; Dec. 4.
- Grossman, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Lighting-fixture backplate or analogous article. Des. 77,000; Nov. 27.
- Grossman, Mollie L., and J. N. Lowe, New York, N. Y. Hand hat bag. 1,676,229; July 3.
- Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)
- Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, copartners trading under the firm name and style of Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 74,432; Feb. 14.
- Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, copartners trading under the firm name and style of Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 74,433; Feb. 14.
- Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, copartners trading under the firm name and style of Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 76,229; Sept. 11.
- Grossman, Wallace G., North White Plains, N. Y. Folding chair. Des. 76,477; Oct. 2.
- Grossmann, Gustav, Berlin, Germany. Diathermic apparatus. 1,666,697; Apr. 17.
- Grossmann, Marcus A. (See Langenberg, F. C., and Grossmann.)
- Grossmann, Oscar, New York, N. Y. Window cleaner. 1,669,293; May 8.
- Grosso, Patrick P., Chicago, Ill. Camera. 1,690,292; Nov. 6.
- Grossweischede, Julius, and G. Reichenbecher, Mulheim-Ruhr, assignors to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Manufacture of highest-pressure conduits. 1,685,402; Sept. 25.
- Grosvenor, John E., Hagley, and W. T. Picking, Kidderminster, assignor, by mesne assignments, to M. J. Whittall Associates, Ltd. Loom for weaving pile fabrics. 1,689,384; Oct. 30.
- Grosvenor, William M., New York, N. Y., assignor to C. H. Durfee Products Corporation, Belleville, N. J. Carbon remover. 1,659,913; Feb. 21.
- Grosvenor, William M., and V. P. Gershon, New York, N. Y.; said Gershon assignor to said Grosvenor. Manufacture of alloys. 1,668,642; May 8.
- Groten, Frank J., Jr., assignor, by mesne assignments, to Connecticut Molded Products Corporation, Meriden, Conn. Composition and process of manufacture. 1,655,388; Jan. 3.
- Grotenhuls, William J., Chicago, assignor to Biflex Products Company, Waukegan, Ill. Automobile bumper construction. 1,660,961; Feb. 28.
- Grothe, Arthur A. (See Wantz, J. B., and Grothe.)
- Grothe, Arthur A., Chicago, Ill. Vacuum-tube-evacuating apparatus. 1,688,329; Oct. 23.
- Grothe, Verner G. H., assignor to H. L. Fagley, St. Paul, Minn. Screed support. 1,683,247; Sept. 4.
- Grothey, Ivan W., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Circular-knitting machine. 1,678,385; July 24.
- Grothey, Ivan W., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Drop-stitch mechanism for knitting machines. 1,678,386; July 24.
- Grotjahn, Edwin J., Gilmanton, Wis. Oil shield. 1,671,823; May 29.
- Grottnes, Charles G., Chicago, Ill. Barrel-making machine. 1,683,248; Sept. 4.
- Grotta, Sidney S., assignor to Hartford-Empire Company, Hartford, Conn. Glass-feeding method and apparatus. 1,680,735; Aug. 14.
- Grotts, Fred, Peoria, Ill., assignor, by mesne assignments, to Caterpillar Tractor Co. Track-link connection. 1,694,035; Dec. 4.
- Grounds, Wick. (See Morris, O. E., Crumrine, and Grounds.)
- Grout, Albert, Sault Ste. Marie, Mich. Excavating bucket. 1,664,359; Mar. 27.
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Tension device. 1,659,259; Feb. 14.
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Mandrel. 1,675,489; July 3.
- Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,675,650; July 3.
- Grove, John J., Detroit, Mich. Diestock. 1,680,984; Aug. 14.
- Grove Lock Co. (See Leberman, Harry, assignor.)
- Grove, Thomas E., Dayton, Ohio. Antrum drill. 1,677,337; July 17.
- Grove, William I., assignor to C. E. Bunting, receiver for The Brown Stamping Company, Toledo, Ohio. Combination casket and burial vault. 1,674,898; June 26.
- Grover, Albert D., Long Island City, N. Y. Tuning peg for stringed musical instruments. 1,669,823; May 15.
- Grover, Albert D., Long Island City, N. Y. Geared tuning peg. 1,669,824; May 15.
- Grover, Albert D., Long Island City, N. Y. Extension tailpieces. 1,676,546; July 10.
- Grover, Albert D., Long Island City, N. Y. Banjo rim. 1,695,232; Dec. 18.
- Grover, Lyndon V., F. Sarra, Lynn, and A. A. Durkee, Stoneham, assignors to J. J. Grover's Sons Company, Lynn, Mass. Making turn shoes. 1,673,784; June 12.
- Grover, Lyndon V., F. Sarra, Lynn, and A. A. Durkee, assignors to J. J. Grover's Sons Company, Stoneham, Mass. Turn shoe. 1,673,785; June 12.
- Grover, William H., Maumee, and C. E. Merritt, and W. S. Pooley, Toledo, Ohio. Signal means for elevators, etc. 1,686,693; Oct. 9.
- Grover's, J. J., Sons Company. (See Grover, L. V., Sarra, and Durkee, assignors.)
- Grover's, J. J., Sons Company. (See Sarra, Frank, assignor.)
- Groves, Frank A., Dayton, Ohio. Shoe-shining apparatus. 1,693,601; Dec. 4.
- Groves, James S., San Francisco, Calif. Building construction. 1,657,964; Jan. 31.
- Groves, John D., Milltown, assignor of one-third to L. R. Groves, East Millinocket, Me. Automatic box lock for drop-box looms. 1,683,543; Sept. 4.
- Groves, Lemuel R. (See Groves, John D., assignor.)
- Grubb, Adin A., assignor to The Ohio Brass Company, Mansfield, Ohio. Pyrometer. 1,660,504; Feb. 28.
- Gruber, Chester J., assignor of one-half to N. E. Steinberg, St. Louis, Mo. Tie. 1,659,260; Feb. 14.
- Gruber, Hans, Muhlendorf, Germany. Explosive mine. 1,682,560; Aug. 28.
- Gruber, Harry J., New York, N. Y. Lighting fixture. Des. 76,613; Oct. 16.
- Gruber, Karl, Rheydt, and A. Stappen, Munich-Gladbach, Germany. Work-piece-shifting device for use in connection with reciprocating or oscillating rolling mills. 1,670,256; May 15.
- Gruber, Morris M., East Orange, N. J., assignor, by mesne assignments, to Sonora Phonograph Company, Inc. Locking device. 1,667,377; Apr. 24.
- Gruber, William R., New York, N. Y. Sanitary dispensing container for dining tableware. 1,693,231; Nov. 27.
- Grubman, Leo J., Belle Harbor, and E. A. Godley, New York, N. Y. Lumber feeding and manipulating means. 1,688,416; Oct. 23.
- Grubman, Leo J., Belle Harbor, N. Y. Molding apparatus. 1,688,417; Oct. 23.

- Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,691,437; Nov. 13.
- Grubman, Leo J., Belle Harbor, N. Y. Eye mounting for dolls. 1,691,438; Nov. 13.
- Grubman, Leo J., Belle Harbor, N. Y., assignor to Voices, Incorporated, Newark, N. J. Sounding feed for criers, voices, and other sound-producing devices. 1,658,982; Feb. 14.
- Gruen, Frederick G., assignor to The Gruen National Watch Case Company, Cincinnati, Ohio. Watchcase. Des. 74,503; Feb. 21.
- Gruen, Frederick G., assignor to The Gruen Watch Company, Cincinnati, Ohio. Wrist-watch dial. Des. 75,489; June 12.
- Gruen National Watch Case Company, The. (See Gruen, Frederick G., assignor.)
- Gruen Watch Company, The. (See Gruen, Frederick G., assignor.)
- Gruenberg, Alexander T., Kingston, N. Y., assignor to L. Barth & Son, Inc. Electric combination urn. 1,668,312; May 1.
- Gruendler, Gustav J., Clayton, Mo. Refrigerant container. 1,676,494; July 10.
- Gruendler, Gustav J., Clayton, Mo. Refrigerant container. 1,690,406; Nov. 6.
- Gruendler, Gustav J., and W. A. Meletio, St. Louis County, Mo. Refrigerator. 1,690,407; Nov. 6.
- Gruenfeldt, Emil. (See Peters, Frederick W., assignor.)
- Gruenfeldt, Emil, assignor to The Rail Welding and Bonding Company, Cleveland, Ohio. Fishplate for railway rails. 1,682,960; Sept. 4.
- Gruhl, Edwin. (See Ruhmer, Ernst, assignor.)
- Grubler, Charles C., Fort Thomas, Ky. Envelope opener. 1,661,423; Mar. 6.
- Grubler, Charles C., Fort Thomas, Ky. Loose-leaf binder. 1,668,069; May 1.
- Grunberg, George, New York, N. Y. Perfume bottle. Des. 75,557; June 19.
- Grund, Fletcher D., Toledo, Ohio, assignor to The Sozonian Burial Vault Company. Combined casket rest and strap slide. 1,681,337; Aug. 21.
- Grundman, Fred W., assignor to The Brush Laboratories Company, Cleveland, Ohio. Thermostatic control device. 1,661,348; Mar. 6.
- Grundon, John P., Fort Dodge, Iowa. Clutch-operating mechanism. 1,671,717; May 29.
- Grundy, James, Paterson, N. J. Baseball score card. 1,680,609; Aug. 14.
- Gruner, George W., Pinckneyville, Ill. Chain hook. 1,689,827; Oct. 30.
- Grunert, Kurt, Turin, Italy. Producing artificial-silk filaments by drawing. 1,665,453; Apr. 10.
- Grunewald, Heinrich, Dissen, Germany. Aeroplane. 1,679,856; Aug. 7.
- Grünholz, Hans, Charlottenburg, Germany, assignor to General Electric Company. Electric induction apparatus. 1,694,318; Dec. 4.
- Grünhut, Friedrich, and F. Nowack, Nuremberg, Germany; said Nowack assignor to said Grünhut. Automatic brake device for trains. 1,670,617; May 22.
- Grunn, Albert P., Chicago, Ill. Mixing apparatus. 1,665,260; Apr. 10.
- Grunow, Herman, Detroit, Mich. Calendar. 1,667,855; May 1.
- Grunow, William C., Chicago, and O. E. Grigsby, Park Ridge, Ill., assignors to Grigsby-Grunow-Hinds Co., Chicago, Ill. Electric cigar lighter. 1,689,720; Oct. 30.
- Grunwald, Albert C. (See Carlson, C. E., and Grunwald.)
- Grunwald, Albert C., River Forest, Ill. Container. 1,672,313; June 5.
- Grunwald, John, Philadelphia, Pa. Trouser support. 1,672,612; June 5.
- Grupe, William F., Lyndhurst, N. J., assignor to Peerless Roll Leaf Co., Inc., New York, N. Y. Transfer media. 1,667,689; Apr. 24.
- Grupe, William F., Lyndhurst, N. J., assignor to Peerless Roll Leaf Co., Inc., New York, N. Y. Variable feeding mechanism. 1,687,241; Oct. 9.
- Grupe, William F., Lyndhurst, N. J., assignor to Boucher Cork Company, New York, N. Y. Molding composite cork bodies. 1,689,584; Oct. 30.
- Grupp, Gottlieb A., Heubach, Germany. Edge binding for coconut-fiber mats. 1,659,141; Feb. 14.
- Gruse, William A. (See Marley, S. P., and Gruse.)
- Gruse, William A. (See Souther, B. L., and Gruse.)
- Gruse, William A., Wilkinsburg, and W. F. Faragher, assignors to Gulf Refining Company, Pittsburgh, Pa. Process of and apparatus for recovering paraffin. 1,663,592; Mar. 27.
- Gruska, John, et al. (See Hadi, Ali, assignor.)
- Gruska, Ted, et al. (See Hadi, Ali, assignor.)
- Gruss Air Spring Company of America. (See Gruss, Raymond L., assignor.)
- Gruss, Raymond L., assignor, by mesne assignments, to Gruss Air Spring Company of America, San Francisco, Calif. Air spring. 1,692,035; Nov. 20.
- Gruss, Roland M., San Francisco, Calif. Antiglare shield and making the same. 1,678,218; July 24.
- Gschwind, Leon, Youngstown, Ohio. Grave vault. 1,657,305; Jan. 24.
- Gschwind, Leon, Youngstown, Ohio, assignor to Sanitary Sewer Basin Co., Chicago, Ill. Manhole cover. 1,673,145; June 12.
- Gschwindt, Adam, assignor to Roseland Can & Wire Goods Co., Rockford, Ill. Flour sifter. 1,665,454; Apr. 10.
- Gsell, Eugène, assignor to Wallace & Co., Brooklyn, N. Y. Box. Des. 76,236; Sept. 4.
- Gstalter, Emily E., Toledo, Ohio. Adjustable hatband. 1,674,360; June 19.
- Gstalter, Emily E., Toledo, Ohio. Adjustable hatband. 1,674,361; June 19.
- Gstalter, Francis P., Cleveland, Ohio. Sign. 1,679,097; July 31.
- Gstyr, Joseph. (See Wildhaber, E., and Gstyr.)
- Guadagni, Giuseppe, Turin, Italy. Apparatus for the formation of nitric acid or hydrochloric acid. 1,680,019; Aug. 7.
- Guaranteed Water Engineering Corporation. (See Sanford, Jesse H., jr., assignor.)
- Guaranty Trust Company et al., administrators. (See Alexanderson, Charles A., assignor.)
- Guaranty Trust Company of New York et al., administrators. (See Alexanderson, Charles A.)
- Guardian Gas Appliance Company, The. (See Nieberding, Frank A., assignor.)
- Guardian Metals Company. (See Donaldson, J. G., and Coles, assignors.)
- Guarino, Domenico, New York, N. Y. Trowel. 1,673,940; June 19.
- Guarino, Domenico, New York, N. Y. Trowel. 1,673,941; June 19.
- Gubelmann, Ivan. (See Adams, R., Davidson, and Gubelmann.)
- Gubelmann, Ivan. (See Welland, H. J., and Gubelmann.)
- Gubelmann, Ivan, South Milwaukee, assignor to The Newport Company, Carrollville, Wis. Preparing 2-(or 3-) chloroquinizarine. 1,655,863; Jan. 10.
- Gubelmann, Ivan, and H. R. Lee, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Preparing leuco quinizarine. 1,655,462; Jan. 10.
- Gubelmann, Ivan, and J. M. Tinker, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Preparing H acid. 1,670,406; May 22.
- Gubelmann, Ivan, H. J. Welland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. 3'-5'-dinitro-4'-hydroxy-ortho-benzoylbenzoic acid and making the same. 1,659,358; Feb. 14.
- Gubelmann, Ivan, H. J. Welland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. 3'-5'-diamino-4'-hydroxy-ortho-benzoylbenzoic acid and making the same. 1,659,359; Feb. 14.
- Gubelmann, Ivan, H. J. Welland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. 1,3-diamino-2-hydroxy anthraquinone and making the same. 1,659,360; Feb. 14.
- Gubelmann, Ivan, H. J. Welland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Purification of 3:4-dichloroaniline. 1,663,251; Mar. 20.
- Gubelmann, Ivan, H. J. Welland, and O. Stallmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Preparing alkyl ethers of 3'-nitro 4'-hydroxy ortho-benzoyl benzoic acid. 1,665,541; Apr. 10.
- Gubitosi, Sabino, Brooklyn, N. Y. Sectional lasts. 1,664,293; Mar. 27.
- Gubler, Hans. (See Fritzsche, H., Krummenacher, Gubler, and Kalsler.)
- Guderian, Otto R., Dundurn, Saskatchewan, Canada. Wood splitter. 1,667,969; May 1.
- Gudmundsen, Abraham, American Fork, and A. Gudmundsen, Salt Lake City, Utah. Beet cleaner. 1,694,817; Dec. 11.
- Gudmundsen, Austin. (See Gudmundsen, Abraham and A.)
- Guedon, Emile C., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing sound. 1,694,319; Dec. 4.
- Guelden, Gottfried H., assignor to The Hobart Manufacturing Company, Troy, Ohio. Cutting knife. 1,655,785; Jan. 10.
- Gueneau, André. (See Vulliet, H. G. R., and Deschâtres, assignors.)
- Guenther, Alfred, Cologne-Riehl, J. Haller, Wiesdorf, and E. Köster, Cologne-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing with basic dyestuffs involving the use of aryl derivatives of amides of aromatic hydroxy-carboxylic acids as mordants. 1,663,451; Mar. 20.
- Guenther, Arthur E. (See Kraft, F. G., and Guenther.)
- Guenther, Charles J., Boston, Mass., assignor to Stone Steam Specialties Company, Indianapolis, Ind. Recording device for paper machines. 1,667,516; Apr. 24.
- Guenther, Elsa D. T. (See Benedetti, Louis, assignor.)
- Guerin, Cornelius F., assignor of one-half to N. M. Guinsburg, New York, N. Y. Jack. 1,685,697; Sept. 25.
- Guerin, Louis H. (See Motin, F. S., and Guerin.)
- Guerin, Paul, assignor to Mack Sennet, Inc., Los Angeles, Calif. Motion-picture camera. 1,657,795; Jan. 31.
- Guertey, Charles, Passaic, N. J., assignor to E. W. Bliss Company, Brooklyn, N. Y. Can-heading machine. 1,666,239; Apr. 17.
- Guertey, Charles, assignor to Passaic Metal Ware Co., Passaic, N. J. Conveying mechanism. 1,667,349; Apr. 24.
- Guerlain Perfumery Corporation of New York. (See d'Escayrac, Bernard, assignor.)

- Guernsey, Charles O., Philadelphia, Pa. Reversing mechanism. 1,664,209; Mar. 27.
- Guernsey, Charles O., Philadelphia, Pa. Driving mechanism for vehicles. 1,684,314; Sept. 11.
- Guerra, James. (See Guerra, Joseph and J., and Masone.)
- Guerra, Joseph and J., and N. Masone, Brooklyn, N. Y. Radiator ornament or the like. Des. 74,565; Feb. 28.
- Guerrero, Enrique, and J. A. Grey, Quito, Ecuador. Direction indicator for automobiles. 1,634,916; Sept. 18.
- Guerri, Alfonso O., Barcelona, Spain. Bottle-dispensing device. 1,680,876; Aug. 14.
- Guerritore, Orazio, Rome, Italy. Vehicle spring suspension. 1,655,785; Jan. 10.
- Guertin, Henry V., Patchogue, N. Y. Poultry feeding and watering device. 1,682,614; Aug. 28.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,660,995; Feb. 28.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,665,261; Apr. 10.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Line-casting machine. 1,691,653; Nov. 13.
- Guethler, William, Philadelphia, Pa. Dough mixer. 1,666,698; Apr. 17.
- Guett, Monroe, assignor to Hart & Hegeman Manufacturing Company, Hartford, Conn. Switch. 1,630,100; Aug. 7.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Lever-operated electric switch. 1,680,101; Aug. 7.
- Guettler, Herbert W. (See Royem, Carsten, assignor.)
- Gueux, Joseph J. M., Paris, France. Liquid-dispensing apparatus. 1,658,715; Feb. 7.
- Guggenheim Brothers. (See Burdick, Charles L., assignor.)
- Guggenheim Brothers. (See Fischer, Arthur H., assignor.)
- Gugler, Eric, New York, N. Y. Compartment-conveyance construction. 1,664,294; Mar. 27.
- Guhl, August C., Chicago, Ill. Cream whipper. 1,691,282; Nov. 13.
- Guiberson Corporation, The. (See Bell, Ivan C., assignor.)
- Guiberson Corporation, The. (See Crickmer, Charles S., assignor.)
- Guiberson Corporation, The. (See Crickmer, C. S., and Bell, assignors.)
- Guiberson Corporation, The. (See Peters, Archie R., assignor.)
- Guiberson Corporation, The. (See Traves, Webster F., assignor.)
- Guiberson Corporation, The. (See Wilson, Robert A., assignor.)
- Guiberson Corporation, The. (See Zeigler, Benjamin F., Jr., assignor.)
- Guide Motor Lamp Manufacturing Company, The. (See Drayer, Samuel E., assignor.)
- Guide Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)
- Guiducci, Andrea, Peckville, Pa. Jack-hammer rest. 1,655,265; Jan. 3.
- Guiducci, Igino, Tivoli, Rome, Italy. Lock nut. 1,666,375; Apr. 17.
- Guilbert, Edmund, Jr., Woonsocket, R. I. Weft stop mechanism for looms. 1,662,499; Mar. 13.
- Guild, George R., Snyder, N. Y. Stock-control system. 1,671,929; May 29.
- Guild, Thomas A., Honolulu, Hawaii. Mechanical cane cutter. 1,675,651; July 3.
- Guild, Waldo J. (See Heald, R. A., and Guild.)
- Guild, Waldo J., Worcester, Mass. Driving connection for power transmission. 1,669,749; May 15.
- Guild, Waldo J., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,682,672; Aug. 28.
- Guild, Waldo J., and F. H. Grimshaw, assignors to the Heald Machine Company, Worcester, Mass. Adjustable mounting for grinding-wheel-dressing devices. 1,655,903; Jan. 10.
- Guild, Waldo J., and F. H. Grimshaw, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,684,485; Sept. 18.
- Guild, Waldo J., Worcester, Mass., and L. C. Kenyon, New York, N. Y., assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,684,486; Sept. 18.
- Guillaume, Paul M., Paris, France, assignor to Bourjois, Inc., N. Y. Receptacle for powder or rouge. 1,694,818; Dec. 11.
- Guillery, René, Paris, assignor to Etablissements Malicot & Bin, Aubervilliers, France. Brake. 1,668,274; May 1.
- Guillet, Albert M., Charlotte, N. C. Interchangeable Journal for textile fluted rolls. 1,659,261; Feb. 14.
- Guillet, Albert M., Charlotte, N. C. Roll rack. 1,678,506; July 24.
- Guillet, Amédée V. J., and A. Bertrand, Paris, France. Apparatus for determining the frequency of rotation or oscillation of moving parts. 1,682,725; Aug. 28.
- Guimont, Joseph W., Lachine, Quebec, assignor of one-half to L. Lemieux, Montreal, Canada. Radiator section. 1,670,618; May 22.
- Guimont, Joseph W., Lachine, Quebec, assignor to L. Lemieux, Montreal, Canada. Radiator. 1,695,959; Dec. 18.
- Guinard, Henry. (See Parry, C., and Guinard.)
- Guindon, Frank, Plankinton, S. Dak. Fish lure. 1,673,978; June 19.
- Guinn, Samuel E., Johnson City, Tenn. Vanity case. Des. 77,316; Dec. 25.
- Guinot, Henri. (See Ricard, E., and Guinot.)
- Guinsburg, Nathan M. (See Guerin, Cornelius F., assignor.)
- Guinzburg, George K., Chappaqua, assignor to I. B. Klei-ner Rubber Company, New York, N. Y. Hat protector. 1,685,536; Sept. 25.
- Guise, William L. (See Puccini, J. V., and Guise.)
- Gulbenkian Seamless Rug Company. (See Smith, William E., assignor.)
- Gulbrand, Carl G., Los Angeles, Calif. Rail-holding tie. 1,676,547; July 10.
- Gulbransen, Axel G., assignor to Gulbransen Company, Chicago, Ill. Valve for player pianos. 1,681,338; Aug. 21.
- Gulbransen, Christian, assignor to Gulbransen Company, Chicago, Ill. Player piano. 1,686,153; Oct. 2.
- Gulbransen Company. (See Gulbransen, Axel G., assignor.)
- Gulbransen Company. (See Gulbransen, Christian, assignor.)
- Gulf Oil Burner Company. (See Buerger, Charles B., assignor.)
- Gulf Refining Company. (See Buerger, Charles B., assignor.)
- Gulf Refining Company. (See Gruse, W. A., and Faragher, assignor.)
- Gulf Refining Company. (See Henry, R. W., and Streeter, assignors.)
- Gulf Refining Company. (See Marley, S. P., and Gruse, assignors.)
- Gulf Refining Company. (See McAfee, A. M., and Roberts, assignors.)
- Gulf Refining Company. (See Prichard, George L., assignor.)
- Gulf Refining Company. (See Prichard, G. L., and Henderson, assignors.)
- Gulf Refining Company. (See Souther, B. L., and Gruse, assignors.)
- Gulick, David E. (See Crane, R. E., and Gulick.)
- Gulick, Edward J., Elkhart, Ind. Horn bell. 1,684,392; Sept. 18.
- Gulberg, Roy K., assignor to Dayton Scale Company, Dayton, Ohio. Chaff-sealing device for coffee-cutting machines. 1,667,856; May 1.
- Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
- Gullette, Mary I. (See Gullette, William A., assignor.)
- Gullette, William A., assignor, by mesne assignments, to M. I. Gullette, Wheeling, W. Va. Lamp support for automobile running boards. 1,675,931; July 3.
- Guliford, Nicholas L., Peabody, Mass. Heel block and forming the same. 1,677,822; July 17.
- Guliford, Nicholas L., Peabody, assignor to Gregory & Read Company, Lynn, Mass. Machine for turning heels. 1,676,218; July 3.
- Guliford, Nicholas L., Peabody, assignor to Gregory & Read Company, Boston, Mass. Heel-dropping machine. 1,685,743; Sept. 25.
- Guliford, Nicholas L., Peabody, assignor to Gregory & Read Company, Lynn, Mass. Woodworking machine with tubular cutter. 1,688,385; Oct. 23.
- Gullion, Elmer E., Kokomo, Ind. Cold-air connection. 1,661,660; Mar. 6.
- Gulseth, Esther O., Yoman, Wash. Foldable milking-pail holder. 1,687,242; Oct. 9.
- Gumlich, Ernst, Berlin-Charlottenburg, Germany. Magnetizable material. 1,668,115; May 1.
- Gump, B. F., & Co. (See Jubien, Paul, assignor.)
- Gump, B. F., Co. (See Williams, William M., assignor.)
- Gump, B. F., Co. (See Woodhead, Horace G., assignor.)
- Gunkel, Zenas W., Guthrie, Okla. Foot-rest attachment for closets. 1,678,466; July 24.
- Gundelach, Emil C., New Rochelle, assignor of one-half to R. J. Ehlers, New York, N. Y. Internal-combustion engine. 1,692,730; Nov. 20.
- Gundelach, Henry N., New York, N. Y. Connecting rod. 1,671,859; May 29.
- Gunderman, Lester C., Pittsburgh, Pa. Pedal-control attachment for automobiles. 1,670,933; May 22.
- Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringer. Re17,030; July 10.
- Gunderman, Lester S., Pittsburgh, Pa. Pedal-control attachment for automobiles. 1,657,356; Jan. 24.
- Gunderman, Lester S., Pittsburgh, Pa. Toy. 1,633,131; Sept. 4.
- Gunderman, Lester S., Pittsburgh, Pa. Game. 1,694,819; Dec. 11.
- Gundersen, Waldemar H. (See Fanger, Herman J., assignor.)
- Gunderson, Anton M., Ironwood, Mich. Window-sash holder. 1,692,731; Nov. 20.
- Gundlach, Henry S., Baltimore, Md., assignor to Thomas Oil By-Products Company. Bituminous emulsion. 1,663,652; Mar. 27.
- Gundlach, Herman, et al. (See Sweet, Andrew T., assignor.)
- Gunkel, Paul O., Welland, Ontario, Canada, assignor to Joseph Stokes Rubber Company, Trenton, N. J. Storage-battery case. 1,696,001; Dec. 18.
- Gunlocke, W. H., Chair Co., The. (See Gunlocke, W. H., and Pike, assignors.)

- Gunlocke, William H., Wayland, N. Y., and G. J. Pike, Grand Rapids, Mich., assignors to The W. H. Gunlocke Chair Co., Wayland, N. Y. Chair. Des. 75,490; June 12.
- Gunn, Charles H., San Francisco, Calif. Resilient automobile seat. 1,638,885; Sept. 11.
- Gunn, Earl G., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle brake. 1,682,783; Sept. 4.
- Gunn Furniture Company, The. (See Richards, James A., assignor.)
- Gunn, Gilbert, Pollokshaws, Scotland. Preserving wood and wood preservative. 1,684,222; Sept. 11.
- Gunn, John M., assignor to The McClary Manufacturing Co., London, Ontario, Canada. Detachable terminal connection for electric stove elements. 1,660,556; Feb. 28.
- Gunn, Paul J. (See Foley, E. H., and Gunn.)
- Gunnell, Oswald, Bootle, near Liverpool, England. Label or tab for use with goods which have to be dyed. 1,677,475; July 17.
- Gunning, William A., assignor to American Optical Company, Southbridge, Mass. Lens-testing machinery. 1,664,923; Apr. 3.
- Gunning, William A., assignor to American Optical Company, Southbridge, Mass. Lens-grinding machine. 1,685,159; Sept. 25.
- Gunnison, John H., Madison, Wis. Drag bucket. 1,655,013; Jan. 3.
- Gunnlaugsson, Skúli, Rio Vista, Calif. Tobacco pipe. 1,676,142; July 3.
- Gunselmann, Adam. (See Keeble, W. E., and Gunselmann.)
- Gunter, Frank E., et al. (See Brooks, Edward A., assignor.)
- Günther, Alfred. (See Thauss A., Mauthe, and Günther.)
- Gunther, Franklin W., and G. P. Fisher, Ottawa, Ill., assignors to National Fire Proofing Company, Pittsburgh, Pa. Apparatus for measuring the shrinkage of materials. 1,688,330; Oct. 23.
- Günther, Fred, Peru, Ill. Silo seal. 1,663,478; Mar. 20.
- Günther, Fritz, Ludwigshafen-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Manufacture of side-chain aromatic compounds. 1,670,505; May 22.
- Günther, Fritz, Ludwigshafen-on-the-Rhine, and A. Cantzler, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Aromatic sulphonic acid. 1,696,199; Dec. 25.
- Gunther, Lillian, Chicago, and L. G. Marmion, Villa Park, Ill., assignors to The Vitrolite Company. Container. Des. 74,367; Feb. 7.
- Gunther, Lillian, and E. H. Giblin, Chicago, Ill., assignors to The Vitrolite Company. Tile or article of similar nature. Des. 75,793; July 17.
- Günther, Rafael Y., Los Angeles, Calif. Loud speaker. Des. 75,558; June 19.
- Günzler, Heinrich, and O. Neubert, Elberfeld, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y. Tablet. 1,658,122; Feb. 7.
- Günzler, Heinrich, and O. Neubert, Elberfeld, near Cologne, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Disinfecting and insecticidal agent. 1,663,883; Mar. 27.
- Gunzler, Heinrich, and O. Neubert, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Polyhydroxy-mercury compound. 1,677,823; July 17.
- Gurley, John W., Indianapolis, Ind. Rotary pump. 1,658,524; Feb. 7.
- Gurley, John W., assignor to Murdock Pump Company, Indianapolis, Ind. Pump. 1,671,240; May 29.
- Gurnee, Isaac O. (See Smith, A. A., and Gurnee.)
- Gurnee, Isaac O., Butler, N. J. Forming electrical insulators. 1,660,441; Feb. 28.
- Gurnett, Arthur R., assignor of one-half to M. Jean-Marie, Toronto, Ontario, Canada. Device for opening and closing fruit jars. 1,661,333; Mar. 6.
- Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Signal-wire hanger. 1,658,983; Feb. 14.
- Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Wire anchor. 1,666,493; Apr. 17.
- Gurney Elevator Company. (See Gale, Ernest L., assignor.)
- Gurney, Erving R. (See Masury, A. F., and Gurney.)
- Gurney, Erving R., Beechhurst, assignor to International Motor Company, New York, N. Y. Yielding connection for relatively movable members. Re17,146; Nov. 27.
- Gurney, Erving R., Beechhurst, assignor to International Motor Company, New York, N. Y. Radiator support. 1,660,671; Feb. 28.
- Gurney, Frederic A., Worcester, Mass. Safety outlet valve for tank cars. 1,692,117; Nov. 20.
- Gurney Heater Manufacturing Company, The. (See Oldacre, Charles E., assignor.)
- Gursky, Henry D., Gloversville, N. Y. Curling iron. 1,657,306; Jan. 24.
- Gürtler, Johannes. (See Kircheisen, T., and Gürtler.)
- Gurtov, Morris, New York, N. Y. Picture frame for fountain pens. 1,655,365; Jan. 3.
- Gusler, George T., and O. H. Schnelle, Columbus, Ohio. Basement or cellar pump. 1,682,502; Aug. 28.
- Gusman, Felix and M. A., Cairo, Egypt. Apparatus for displaying advertisements. 1,669,052; May 8.
- Gusman, Marie A. (See Gusman, Felix and M. A.)
- Gussalli, Luigi, Brescia, Italy. Screen for sun cures. 1,654,874; Jan. 3.
- Gussner, Otto C., Mandan, N. Dak. Grater and reamer for citrus fruits. 1,682,274; Aug. 28.
- Gustafson, Axel T., Gottenborg, Sweden. Producing articles from rubber and other thermoplastic substances. 1,665,355; Apr. 10.
- Gustafson, Benjamin F., Redfield, S. Dak. Seed-dusting apparatus. 1,694,442; Dec. 11.
- Gustafson, Carl A., assignor to Russell Grader Manufacturing Company, Minneapolis, Minn. Road-finishing machine. 1,676,548; July 10.
- Gustafson, Carl A., assignor to Russell Grader Manufacturing Co., Minneapolis, Minn. Road-maintenance machine. 1,678,113; July 24.
- Gustafson, Carl A., assignor to Russel-Grader Manufacturing Company, Minneapolis, Minn. Draft appliance. 1,678,114; July 24.
- Gustafson, Carl H., Albert City, Iowa. Radiator guard. 1,695,584; Dec. 18.
- Gustafson, Edwin A., assignor to A C Spark Plug Company, Flint, Mich. Instrument panel. 1,664,679; Apr. 3.
- Gustafson, Edwin A., assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive. 1,672,210; June 5.
- Gustafson, Edwin A., assignor to A C Spark Plug Company, Flint, Mich. Calibration. 1,675,604; July 3.
- Gustafson, Edwin L., Fort Dodge, Iowa, assignor, by mesne assignments, to United States Gypsum Company. Wall board. 1,665,168; Apr. 3.
- Gustafson, Edwin P., Forestville, Conn. Attachment for windshield wipers. 1,655,266; Jan. 3.
- Gustafson, George E., Fitchburg, Mass., assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool organization. 1,671,989; June 5.
- Gustafson, Walter S., and E. D. Smith, Manor, Texas. Egg candle. 1,679,769; Aug. 7.
- Gustafsson, Emil G. T. (See Flodin, H. G., and Gustafsson assignor.)
- Gustafsson, Emil G. T., Stockholm, assignor to Hampus G. E. Cornelius, Hamngatan 1 A, Stockholm, Sweden. Producing metals in electric furnaces. 1,691,439; Nov. 13.
- Gustafsson, Knut H. V., Gottenborg, Sweden. Rotary rust or scale cleaner. 1,692,500; Nov. 20.
- Gustavson, Palmer, Los Angeles, Calif. Nailing block for composite walls. 1,658,407; Feb. 7.
- Gustavson, Charles. (See Greenbaum, L., Van Hoofstadt, and Gustavson.)
- Gustavson, Oscar W., Marlboro, N. H. Rat trap. 1,674,244; June 19.
- Gustin-Bacon Manufacturing Company. (See Anderson, Harley E., assignor.)
- Guthrie, Charles J., Philadelphia, Pa. Ticket printing, cutting, and stacking machine. 1,656,630; Jan. 17.
- Gutches, Lester. (See Vansickle, Fred M., assignor.)
- Gutekunst, Leonard, assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hook and eye. 1,685,777; Oct. 2.
- Guterres, Carlos A., Santa Monica, assignor of one-third to E. F. Iverson, Los Angeles, and one-third to D. M. Gungras, Santa Monica, Calif. Electric motor. 1,693,294; Nov. 27.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. Des. 74,790; Mar. 27.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. Des. 75,236; May 22.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. 1,663,663; Mar. 27.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. 1,663,654; Mar. 27.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture for surgical operating room. 1,663,656; Mar. 27.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. 1,663,657; Mar. 27.
- Guth, Edwin F., St. Louis, Mo. Lighting fixture. 1,680,677; Aug. 14.
- Guth, Edwin F., St. Louis, Mo. Screwless holder for lighting fixtures. 1,693,232; Nov. 27.
- Guth, Edwin F., Company, The. (See Arthur, Harry R., assignor.)
- Guth, Edwin F., Company, The. (See Guth, Oscar D., assignor.)
- Guth, Edwin F., Company, The. (See Moore, James S., assignor.)
- Guth, Edwin F., Company, The. (See Owen, Raymond V., assignor.)
- Guth, Henry J., Golden, Colo. Mounting for crystal detectors. 1,659,732; Feb. 21.
- Guth, Oscar D., assignor to The Edwin F. Guth Company, St. Louis, Mo. Supporting means for lighting fixtures. 1,663,655; Mar. 27.
- Guthrey, J. N. (See Best, E., and Vines, assignors.)
- Guthrie, Crear. (See Guthrie, Thomas W. and C.)
- Guthrie, Eugene P., Dallas, Tex. Garden tool. 1,685,217; Sept. 25.
- Guthrie, James B., Memphis, Tenn. Harrow. 1,659,262; Feb. 14.
- Guthrie, Robert G., Chicago, Ill., assignor to E. Leitz, Inc. Microscope. 1,690,677; Nov. 6.
- Guthrie, Thomas W., Southport, England, and C. Guthrie, Yoker, Glasgow, Scotland. Billiard-cue tip. 1,677,282; July 17.

- Guthrie, William H., Atlantic City, N. J. Tool for removing headlight rims. 1,694,443; Dec. 11.
- Guthrie, William S., Terrell, Tex., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,675,344; July 3.
- Guthrie, William S., Los Angeles, Calif., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor for internal-combustion engines. 1,677,233; July 17.
- Gutmann, Paul F., St. Louis, Mo., assignor to Mississippi Glass Company. Sheet-glass production. 1,671,073; May 22.
- Gutmann, Victor. (See Steiner, L. and Guttmann.)
- Guttin, Charles A., L'Hay les Roses, France. Signaling device for vehicles. 1,656,192; Jan. 17.
- Guttman, John S., et al. (See Ruzsicska, O., and Brumfield, assignors.)
- Guttman, Milton, et al. (See Ruzsicska, O., and Brumfield, assignors.)
- Guttmann, Eugen, Berlin-Charlottenburg, Germany. Instrument for taking samples of secretions. 1,669,395; May 8.
- Güttner, Georg, Berlin, Germany. Rotary motor or compressor. 1,681,583; Aug. 21.
- Gutzat, Gustav C., Jersey City, N. J. Trolley construction. 1,692,893; Nov. 27.
- Gutzmann, Fritz, Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High-frequency apparatus. 1,680,783; Aug. 14.
- Guy, Charles G., Vancouver, British Columbia, Canada. Nautical position finder. 1,687,018; Oct. 9.
- Guy, George W., Chicago, Ill. Fireplace. 1,680,513; Aug. 14.
- Guy, Harry L., assignor of one-half to C. S. Purnell, Oak Park, Ill. Roofing. 1,674,008; June 19.
- Guy, Henry L., Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Heater. 1,665,356; Apr. 10.
- Guy, Hiram D., assignor to The Dunham Company, Berea, Ohio. Soil-pulverizing implement. 1,670,537; May 22.
- Guy, Joseph E., Waynesboro, Pa. Sign. 1,696,117; Dec. 18.
- Guy, Ralph I. (See McCourt, John T., assignor.)
- Guy, Walter W., Oak Park, assignor to Colonial Fireplace Company, Chicago, Ill. Fireplace damper. 1,669,825; May 15.
- Guyer, Elsie. (See Ross, James G., assignor.)
- Guyon, Joseph, Jackson, Tenn. Football pants. 1,669,085; May 8.
- Guyot Brothers Co. Inc. (See Boots, William C., assignor.)
- Guyot Brothers Company Inc. (See Guyot, Gaston A., assignor.)
- Guyot, Gaston A., assignor to Guyot Brothers Company Inc., Attleboro, Mass. Guard for punch presses. 1,659,974; Feb. 21.
- Guyot, Gaston A., assignor to Guyot Brothers Company Inc., Attleboro, Mass. Ornamental shoe-button cover. 1,659,975; Feb. 21.
- Guyot, Gaston A., assignor to Guyot Brothers Company Inc., Attleboro, Mass. Gem setting. 1,673,770; June 12.
- Guyot, Marius. (See Norton, A. B., and Guyot.)
- Guyot, Marius, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold for casting metals. 1,679,860; Aug. 7.
- Guyot, Marius, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold for casting metals. 1,679,861; Aug. 7.
- Guyot, Walter, assignor to The Parker Pen Company, Janesville, Wis. Support for penholder. Des. 76,794; Nov. 6.
- Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
- Guyton & Cumfer Mfg. Co. (See McFarland, Owen D., assignor.)
- Gwinn, George W., Hewlett, N. Y., assignor to American Machine & Foundry Company. Making containers for cakes, etc. 1,675,652; July 3.
- Gwinn, George W., Hewlett, N. Y., assignor to International Cigar Machinery Company. Cigar-box-stamping machine. 1,682,503; Aug. 28.
- Gwinn, George W., Hewlett, N. Y., assignor to American Machine & Foundry Company. Package and making the same. 1,689,430; Oct. 30.
- Gwisdalla, Frank, Paris Township, Huron County, Mich. Gate. 1,672,525; June 5.
- Gwisdalla, Peter, Detroit, Mich. Oyster opener. 1,663,758; Mar. 27.
- Gwyer, Alfred G. C., and H. W. L. Phillips, assignors to The British Aluminum Company, Limited, London, England. Alloy. 1,657,389; Jan. 24.
- Gwyer, Alfred G. C., and H. W. L. Phillips, assignors to The British Aluminum Company, Limited, London, England. Alloy. 1,676,856; July 10.
- Gyger, Adolf, Riverside, Calif. Mechanical doll. 1,694,976; Dec. 11.
- Gyzi, Charles, Norfolk, Va. Steaming and drying apparatus. 1,659,097; Feb. 14.
- Gyllenberg, Wallace W., Detroit, Mich. Printing chart. 1,695,423; Dec. 18.
- Gypsum Engineering and Manufacturing Co. (See Payne, Caleb, assignor.)
- Gyro Process Corporation. (See Ramage, Alexander S., assignor.)
- Gysels, Joseph, San Francisco, Calif. Torch-soldering iron. 1,686,747; Oct. 9.
- Gysi, Alfred, Zurich, Switzerland. Artificial molar tooth. 1,657,673; Jan. 31.
- Gysi, Alfred, Zurich, Switzerland. Artificial molar tooth and making same. 1,665,357; Apr. 10.
- Gysi, Alfred, Zurich, Switzerland, assignor to The Dentists' Supply Company. Dental articulator. 1,684,393; Sept. 18.
- Gythfeldt, Trygve, Stjordalen, Norway. Dental drilling apparatus. 1,682,784; Sept. 4.
- Gyulay, John. (See Székely, G., Gyulay, and Majláth.)
- H. & B. American Machine Company. (See Bancroft, James, assignor.)
- H. & H. Calculating Corporation. (See Hunau, A., and Hannalian, assignors.)
- H. & M. Patents Limited. (See Turner, George A., assignor.)
- H-R Manufacturing Company. (See Saxton, Augustus C., assignor.)
- Haabestad, Erling H. (See Ayres, E. S., jr., and Haabestad.)
- Haack, Walter J., Racine, Minn. Dispensing machine for bottled milk. 1,696,035; Dec. 18.
- Haack, William F., Oak Park, Ill. Lead pencil. 1,655,417; Jan. 10.
- Haag, Alfred H., Baltimore, Md., assignor to Radio Corporation of America, New York, N. Y. Combined radio and talking machine amplifier. 1,654,804; Jan. 3.
- Haag, Alfred H., Baltimore, Md., assignor of fifteen one-hundredths to E. H. Fairbanks, Merchantville, N. J. Loud speaker for radio receiving apparatus. 1,684,956; Sept. 18.
- Haagen, Ernst, assignor to W. C. Heraeus Gesellschaft mit beschränkter Haftung, Hanau-on-the-Main, Germany. Production of alloys of the platinum group. 1,660,159; Feb. 21.
- Haak, George E., and A. J. Kimberley, Los Angeles, Calif., assignors to California Restaurant Equipment Company. Cutting and spinning mechanism. 1,656,277; Jan. 17.
- Haan, R. M., Candy Co. (See Ronay, Emil H., assignor.)
- Haarnagel, Georges, Courbevoie, France. Window for doors of motor cars and the like. 1,689,132; Oct. 23.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp support. Des. 74,434; Feb. 14.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp support. Des. 74,435; Feb. 14.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp support. Des. 74,791; Mar. 27.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp support. Des. 75,492; June 12.
- Haas, Carl F., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Signal bracket. Des. 75,493; June 12.
- Haas, Clarence H., and L. J. Mitchell, Warren, Ohio. Steam boiler. 1,677,630; July 17.
- Haas, Ferdinand G., St. Paul, Minn. Berry box. 1,665,359; Apr. 10.
- Haas, Fred S. (See Einstein, S., Peaslee, and Haas.)
- Haas, Gertrude M., executrix. (See Haas, Jackson O.)
- Haas, Jackson O., deceased, Philadelphia, Pa.; G. M. Haas, executrix. Bottle seal and finishing the same. 1,685,744; Sept. 25.
- Haas, John H., sr. (See Francois, Clifford J., sr., assignor.)
- Haas, Katie, executrix. (See Haas, Philip.)
- Haas, Louis A., St. Paul, Minn. Antibacklash attachment for reels. 1,677,631; July 17.
- Haas, Lucien L. (See MacKenzie, R. J., and Haas.)
- Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Inc., Buffalo, N. Y. Valve. 1,674,328; June 19.
- Haas, Nelson R., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Circuit-breaking relay. 1,673,819; June 19.
- Haas, Philip, deceased, Dayton, Ohio; K. Haas, executrix, and H. G. Dorn, jr., executor. Flushing-valve mechanism. 1,660,749; Feb. 28.
- Haas, Philip, deceased, Dayton, Ohio; K. Haas, executrix, and H. G. Dorn, jr., executor. Flushing apparatus. 1,660,922; Feb. 28.
- Haase, Carl O., Winnetka, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-working mechanism. 1,677,135; July 17.
- Haase, Herman H., and F. G. Arnold, assignors to Boeing Airplane Company, Seattle, Wash. Airplane-arresting hook. 1,668,113; May 1.
- Haase, Jacob. (See Haase, J., and Hibner.)
- Haase, John, and O. Hibner, assignors to J. Haase, Ritzville, Wash. Air cleaner. 1,670,660; May 22.
- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Heel mold. 1,673,505; June 12.
- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Washing machine. 1,676,825; July 10.
- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Skiing machine. 1,679,569; Aug. 7.
- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Printing machine. 1,683,744; Sept. 11.

- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and machine for perforating laminated fabrics. 1,689,133; Oct. 23.
- Haase, Jorgen I., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for manufacturing solid tires. 1,694,876; Dec. 11.
- Haase, Leo G., Long Beach, Calif. Bench. Des. 74,504; Feb. 21.
- Haase, Max, Buchschlag, Germany. Sign controller. 1,684,394; Sept. 18.
- Habart, Joseph. (See Baughman, O. F., and Habart.)
- Habhart, John G., Prairie du Chien, Wis. Cigarette clip. 1,692,652; Nov. 20.
- Habeger, Fred S., Youngstown, Ohio. Attachment for musical instruments. 1,659,629; Feb. 21.
- Habenicht, Frederick K., assignor to Railway Devices Company, St. Louis, Mo. Angle-cock holder. 1,666,896; Apr. 24.
- Haber, Eugen, Berlin-Charlottenburg, Germany. Mechanical draft installation. 1,689,241; Oct. 80.
- Haberl, Joseph, Summerhill, Pa. Rail joint. 1,669,294; May 8.
- Haberland Manufacturing Company. (See Wulkan, Eugene, assignor.)
- Haberlin, John F., assignor to Boeing Airplane Company, Seattle, Wash. Tail-skid shoe for airplanes. 1,665,849; Apr. 10.
- Haberman, Charles G., Bourbon, Ind. Swing. 1,674,899; June 26.
- Habib, Vita (now by court decree Vita Habib), Cincinnati, Ohio. Headgear. 1,684,670; Sept. 18.
- Habicht, Georg, Nuremberg, Germany, assignor to the firm Bing-Werke, vorm. Gebr. Bing Aktiengesellschaft. Toy roundabout. 1,684,796; Sept. 18.
- Habif, Vita (by court decree). (See Habib, Vita.)
- Habig Manufacturing Company. (See Wishmeier, Charles H., assignor.)
- Habighorst, August H., Marinette, Wis. Rural mail box. 1,684,823; Sept. 18.
- Hachenberg, Louis, Throggs Neck, assignor of one-half to W. Brady, Ossining, N. Y. Window-cleaning device. 1,692,036; Nov. 20.
- Hachmann, Frederick assignor, by mesne assignments, of nine-tenths to J. J. Franzen, Chicago, Ill. Rail jack. Des. 16,995; June 12.
- Hack, Thomas M. (See Stuthridge, J. H., and Hack.)
- Hacker, William P., St. Louis, Mo. Game. 1,660,505; Feb. 28.
- Hackmann, Frederick, deceased, Chicago, Ill.; I. R. Hackmann, administratrix. Track liner. 1,694,651; Dec. 11.
- Hackmann, Ida R., administratrix. (See Hackmann, Frederick.)
- Hackney Brothers, Inc. (See Berthel, Charles J., assignor.)
- Hackstedde, Herbert H., Cincinnati, Ohio. Mixing machine. 1,666,285; Apr. 17.
- Hackstedde, Herbert H., Cincinnati, Ohio. Apparatus for rounding up lumps of plastic material. 1,686,853; Oct. 9.
- Hackworth, Jesse, and W. Kuehne, Ironton, Ohio; said Hackworth assignor to said Kuehne. Device for handling railroad ties. 1,695,960; Dec. 18.
- Hadad, Henry Company. (See Hadad, Mitchel E., assignor.)
- Hadad, Mitchel E., Brooklyn, assignor to Henry Hadad Company, Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 76,865; Nov. 13.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel. Des. 74,246; Jan. 10.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 1,676,262; July 10.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt-attaching mechanism. 1,683,666; Sept. 11.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,695,331; Dec. 18.
- Hadaway, William S., jr., New Rochelle, N. Y. Metal-casting machine. 1,664,882; Apr. 3.
- Hadaway, William S., jr., New Rochelle, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,678,728; July 31.
- Hadaway, William S., jr., New Rochelle, N. Y. Steam press for clothes. 1,682,903; Sept. 4.
- Hadden, William J., assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Golf club. 1,665,811; Apr. 10.
- Haddick, Henry J., Baltimore, Md., assignor to National Enameling and Stamping Company, Milwaukee, Wis. Base pan for portable oil stoves. 1,670,148; May 15.
- Haddock, Arthur, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric shielding. 1,661,535; Mar. 6.
- Haddock, Arthur, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Antenna. 1,689,337; Oct. 30.
- Haden, Harry Y., New York, N. Y. Fire-fighting boat. 1,677,769; July 17.
- Hadermann, Frederick E., White Plains, assignor to University Manufacturing & Sales Co. Inc., New York, N. Y. Bracket for lighting fixtures or similar articles. Des. 75,840; July 24.
- Hadfield, Robert A., Westminster, England. Manufacture of steel. 1,683,886; Sept. 11.
- Hadl, Ali, Detroit, Mich. Shoe machine. 1,661,662; Mar. 6.
- Hadl, Ali, Springwells, Mich. Roller blotter. 1,661,475; Mar. 6.
- Hadl, Ali, Springwells, assignor of two-thirds to T. and J. Gruska and one-third to W. Ray, Fordson, Mich. Box. 1,680,539; Aug. 14.
- Hadley, Archie K., Milwaukee, Wis. Combined motion-picture camera and projector. 1,662,057; Mar. 13.
- Hadley, Art, assignor to The Hadley Company, Providence, R. I. Wrist-watch strap. 1,695,487; Dec. 18.
- Hadley, Charles O. (See Davis, John H., assignor.)
- Hadley, Charles R., Company. (See Jones, J. M., and Webb, assignors.)
- Hadley Company, The. (See Hadley, Art, assignor.)
- Hadley Company, The. (See Tost, Charles R., assignor.)
- Hadley, Harlan A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale casing. Des. 76,300; Sept. 11.
- Hadley, Idale. (See Tavender, Walter K., assignor.)
- Hadsall, Walter G., Detroit, Mich. Locking device. 1,657,621; Jan. 31.
- Hadwik Mfg. Co. Inc. (See Wikstrom, Frank G., assignor.)
- Haefely, Emil, & Co., A. G. (See Hess, Wilhelm, assignor.)
- Haefly, Emil, Basel, Switzerland. Apparatus for the manufacture of mica-coated fibrous material. 1,696,397; Dec. 25.
- Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)
- Haessler, Friedrich, and R. Besthorn, Dortmund, Germany. Atomizer for liquids. 1,684,488; Sept. 18.
- Hafner, Wilhelm, Saarbrücken, Germany. Composition of matter for use in honing razors and other knives. 1,693,697; Dec. 4.
- Haftel, Abraham, New York, N. Y. Screen attachment for windows. 1,660,225; Feb. 21.
- Hagadone, Clinton A., Western Springs, assignor to International Harvester Company, Chicago, Ill. Convertible running gear for wagons. 1,677,476; July 17.
- Hagan, Lillian P., Oakland, Calif. Door knocker. Des. 76,538; Oct. 9.
- Hage, Leonell R., assignor of one-fifth to B. Johnson, Highwood, Mont. Trousers and shirt holder. 1,656,671; Jan. 17.
- Hagedorn, Louis, Luverne, Minn. Windshield heater. 1,680,102; Aug. 7.
- Hagelin, Alfred B., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Wear plate for straps. 1,661,821; Mar. 6.
- Hagelman, Anna, Houston, Tex. Virgin-bust former and supporter. 1,688,143; Oct. 16.
- Hagemann, Louis F., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,693,982; Dec. 4.
- Hagen, John, Bend, Oreg. Brushing machine. 1,687,201; Oct. 9.
- Hagen, Louis, Jersey City, N. J. Slack tightener for pulley clotheslines. 1,670,257; May 15.
- Hagen, Orrin S., Burlington, and N. S. Coins, Mount Vernon, Wash. Canning heating retort. 1,670,619; May 22.
- Hagen, Sigurd, Drammen, Norway. Instrument for setting up profiles. 1,666,563; Apr. 17.
- Hagen, Walter, assignor to L. A. Young Company, Detroit, Mich. Golf ball. 1,666,699; Apr. 17.
- Hagenmeister, Emma. (See Perkins, W. J., and Hagenmeister.)
- Hager, Almon A., Wellington, Wash. Locomotive governor. 1,694,652; Dec. 11.
- Hager, Eugen, Oerlikon, near Zurich, Switzerland. Baking and roasting appliance. 1,683,611; Sept. 11.
- Hager, Harold H., Point Place, Ohio. Screen for vehicle window frames. 1,685,587; Sept. 25.
- Hagey, James C., assignor to The Cable Company, Chicago, Ill. Method and apparatus for preparing music rolls. 1,686,557; Oct. 9.
- Hagg, Virgil B., West Hollywood, Calif. Drain-dish support. 1,660,074; Feb. 21.
- Haggart, John C., jr., Alma, assignor, by mesne assignments, to Detroit Patents Holding Company, Detroit, Mich. Propeller-shaft brake mechanism. 1,691,970; Nov. 20.
- Hagger, Victor, East Acton assignor to C. R. Faircy, Cranford Lane, Hayes, England. Fastener for cawling and the like for aircraft and other structures. 1,671,241; May 29.
- Haggerty, Charles, Pawtucket, assignor to New England Butt Company, Providence, R. I. Carrier for braiding machines. 1,690,897; Nov. 6.
- Haggerty, James J., Portland, Oreg. Wrench. 1,657,965; Jan. 31.
- Häglund, Erik, Abo, Finland. Treating and utilizing the black liquor obtained in the manufacture of soda and sulphate cellulose. 1,680,540; Aug. 14.
- Haglund, Hakon H. (See Locke, G. A., and Haglund.)
- Haglund, Ture R., Stockholm, Sweden, assignor to International Patent Corporation. Treating ores containing a refractory oxide. Re17,001; June 19.
- Hagmaier, William G., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Carriage feed. 1,671,074; May 22.

- Hagman, Nore A., Gary, Ind. Shaving pad. 1,674,510; June 19.
- Hagner, Lewis, jr., Norristown, Pa. Rim contractor. 1,694,741; Dec. 11.
- Hagopian, Serpoochie, San Francisco, Calif. Dust or dirt removing apparatus. 1,694,257; Dec. 4.
- Hagopian, Vahan, New York, assignor to Pass & Seymour, Inc., Solvay, N. Y. Lighting-fixture wall bracket. Des. 76,016; Aug. 14.
- Hagstrom, Carl J., Glen Cove, N. Y. Double-acting door latch. 1,685,998; Oct. 2.
- Hague, Alfred E. (See Johnson, L. H., and Hague.)
- Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,675,886; July 3.
- Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call-charging telephone-exchange system. 1,696,271; Dec. 25.
- Hague, Frank H. (See Young, William B., assignor.)
- Hahl, Hans, Elberfeld, near Cologne, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Complex antimony compound. 1,674,362; June 19.
- Hahl, Hans, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Complex antimony compound. 1,688,964; Oct. 23.
- Hahl, Hans, and W. Kropp, Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Vanadium compound. 1,695,147; Dec. 11.
- Hahn, Albert W., Salt Lake City, Utah. Oil-fotation process. 1,690,225; Nov. 6.
- Hahn, Arthur M., (See Wrenn, Henry B. P., assignor.)
- Hahn, Elmer L., McAllen, Tex. Toilet-article holder. 1,666,564; Apr. 17.
- Hahn, Eugene. (See Edmondson, R. S., and Hahn.)
- Hahn, Harry L., Lancaster, Pa. Combined mirror or picture frame and radiohorn. 1,689,395; Oct. 29.
- Hahn, Johann, Cleveland, Ohio. Blom shears. Re17,079; Sept. 11.
- Hahn, Morris L. (See Boynton, Garwood T., assignor.)
- Hahn, Otto, Berlin, Germany, assignor to United States Radium Corporation, New York, N. Y. Radium preparation and making same. 1,655,184; Jan. 3.
- Hahn, Paul, Berlin, Germany. Lacing for apparel. 1,673,327; June 12.
- Hahn, Waldo F., Tampa, Fla. Warning signal for pneumatic tires. 1,687,761; Oct. 16.
- Hahnemann, Walter, Kitzberg, near Kiel, assignor to the firm Signal Gesellschaft m. b. H., Kiel, Germany. Submarine sound receiver. 1,670,888; May 22.
- Hahnemann, Walter, Kitzberg, near Kiel, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Arrangement for uniform electrical sound transmission. 1,674,683; June 26.
- Hahnemann, Walter, Kitzberg, near Kiel, and H. Hecht, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Sound apparatus for producing and receiving sound waves. 1,655,267; Jan. 3.
- Hahnemann, Walter, Kitzberg, near Kiel, and A. du Bois-Reymond, Plon, near Kiel, assignors to the firm Signal Gesellschaft m. b. H., Kiel, Germany. Sub-aqueous sound-signaling apparatus. 1,667,418; Apr. 24.
- Hahnemann, Walter, Kitzberg, near Kiel, H. Hecht, and B. Nielsen, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Method and arrangement of directional wave reception and emission. 1,662,247; Mar. 13.
- Haidey, George H., assignor of one-half to G. Bernard, Eureka, Kans. Fishing tool. 1,696,200; Dec. 25.
- Haight, Harry C., assignor to The American Forge and Machine Company, Canton, Ohio. Forging insulator caps. 1,658,377; Feb. 7.
- Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Back-pressure valve. 1,655,413; Jan. 10.
- Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Unloading system. 1,662,918; Mar. 20.
- Haight, William T. (See Truelove, C., and Haight.)
- Hails-Karlbach, Helan, New York, N. Y. Clothes hanger. Des. 76,747; Oct. 30.
- Hails, Edward T., Montgomery, Ala. Roll-towel cabinet. 1,659,813; Feb. 21.
- Hails, Edward T., Montgomery, Ala., assignor to Steiner Sales Company, Salt Lake City, Utah. Sanitary roll-towel cabinet. 1,678,220; July 24.
- Hain, George, Oelwein, Iowa. Air filter. 1,670,348; May 22.
- Hain, George W., Oelwein, Iowa. Eccentric-crank-setting device. 1,670,349; May 22.
- Hainer, Russell W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Curved-tube-vulcanizing apparatus. 1,658,894; Feb. 14.
- Haines, George D., Park Ridge, assignor to Porcelain Tile Company, Chicago, Ill. Tiled wall or the like. 1,686,812; Oct. 9.
- Haines, Harold L., assignor to Economy Baler Company, Ann Arbor, Mich. Receptacle. 1,657,572; Jan. 31.
- Haines Hosiery Mills, Inc. (See Haines, J., jr., and Paget, assignors.)
- Haines, Joseph, jr., Meadowbrook, and H. F. Paget, assignors to Haines Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 76,748; Oct. 30.
- Haines, Leonard M., Studley, assignor to William Hall & Company Limited, Studley, Warwick, England. Wrapper for needles. Des. 76,187; Aug. 28.
- Haines, Samuel E. W., Berkeley, Calif. Road sign or signal. 1,688,331; Oct. 23.
- Haines, William H., Thompsonstown, Pa. Lawn mower. 1,687,202; Oct. 9.
- Haines, William T., Mountain Lakes, and R. W. Harper, East Orange, N. J.; said Haines assignor to American Telephone and Telegraph Company and said Harper assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,695,043; Dec. 11.
- Haines, Winfield S., assignor to P. G. Seigle, Dunmore, Pa. Exhaust nozzle. 1,666,376; Apr. 17.
- Haiss, George, Manufacturing Co. Inc. (See Haiss, Raymond C., assignor.)
- Haiss, Raymond C., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader. 1,674,329; June 19.
- Haist, Foster A. (See Miller, E. S., and Haist.)
- Hajoca Corporation. (See Muend, Charles J., assignor.)
- Hake, Charles Y., York, Pa. Combined coffee churn and strainer. 1,668,454; May 1.
- Hake, Elmer C., Cincinnati, Ohio, assignor to The Ludlow Manufacturing Company, Ludlow, Ky. Moistener for cigar boxes. 1,665,663; Apr. 10.
- Hake, William L., Midland, Mich. Poultry feeder. 1,672,211; June 5.
- Hakemeyer, Charles. (See Friede, S. M., and Hakemeyer.)
- Hakky, Mustafa E., Providence, R. I. Sewing set. Des. 75,423; June 5.
- Halbrooks, James, Corpus Christi, Tex. Rim expander. 1,670,961; May 22.
- Halcolite Company. (See Lipsky, Norman, assignor.)
- Halcolite Company Inc. (See Lipsky, Norman, assignor.)
- Haldeman, Walter S., Chicago, Ill., assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Concrete-floor core. 1,665,542; Apr. 10.
- Haldeman, Walter S., Chicago, Ill., assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Concrete-floor mold. 1,682,750; Sept. 4.
- Hale, Alfred, Rubber Company. (See Cutler, David A., assignor.)
- Hale, Benton B., et al. (See Rave, Elmer M., assignor.)
- Hale Bros., Inc. (See O'Keeffe, Russell L., assignor.)
- Hale, Charles C., et al. (See Cross, George H., assignor.)
- Hale, Edward E., Buffalo, N. Y. Collapsible box. 1,691,152; Nov. 13.
- Hale Fire Pump Co., The. (See Wendell, Evert J., assignor.)
- Hale, Francis E. (See Schlussegger, George, assignor.)
- Hale, James E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle wheel. 1,665,880; Apr. 10.
- Hale, James E., Summit County, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Car wheel. 1,693,578; Nov. 27.
- Hale, Joseph H., Linden, Calif. Scraper. 1,685,487; Sept. 25.
- Hale, Robert M., assignor to Minerals Separation North American Corporation, New York, N. Y. Briquette and producing it. 1,678,387; July 24.
- Hale, Samuel B., Buckley, Ill. Mail-box post. 1,693,698; Dec. 4.
- Hale, Samuel O., Whittier, Calif. Combined clutch and brake mechanism for hoisting drums. 1,677,833; July 17.
- Hale, William, Litwar, W. Va. Motor vehicle. 1,672,212; June 5.
- Hale, William E., Fort Washington, assignor to R. H. Beaumont Co., Philadelphia, Pa. Double dump skip hoist. 1,673,911; June 19.
- Haley, James H., Jackson, Mich. Mold for forming concrete plant-protectors. 1,665,027; Apr. 3.
- Haley, Lewellyn N., Clearwater, Fla. Citrus-fruit brushing and polishing apparatus. 1,690,195; Nov. 6.
- Haley, Ora B., San Francisco, Calif. Lubricant meter. 1,691,187; Nov. 13.
- Haley, Reuben, Beaver, assignor to Consolidated Lamp and Glass Company, Coraopolis, Pa. Plate. Des. 74,881; Apr. 10.
- Haley, Reuben, Beaver, assignor to Consolidated Lamp and Glass Company, Coraopolis, Pa. Vase. Des. 74,882; Apr. 10.
- Haley, Reuben, Beaver, assignor to Consolidated Lamp and Glass Company, Coraopolis, Pa. Bottle. Des. 74,883; Apr. 10.
- Halt, Edmond, Paris, France. Device for giving warning of fire. 1,690,486; Nov. 6.
- Halferty, Jess E., Manhattan, Kans. Striker plate for locks. 1,676,390; July 10.
- Halfverson, Gustaf A., Verona, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic brake. 1,685,997; Oct. 2.
- Halick, James. (See Boucek, J., Halick, and Trefney.)
- Halifax, Daniel F., Newark, N. J. Toaster. 1,678,337; July 24.
- Halikman, Abraham, New York, N. Y. Sound eliminator for radiotubes. 1,657,390; Jan. 24.
- Halk, Louis, Hackensack, N. J., assignor to Northam Warren Corporation, New York, N. Y. Bottle. Des. 74,602; Mar. 6.

- Halk, Louis, Hackensack, N. J., assignor to Northam Warren Corporation, New York, N. Y. Bottle. Des. 76,133; Aug. 21.
- Halk, Louis, Hackensack, N. J., assignor to Northam Warren Corporation, New York, N. Y. Display stand. Des. 76,795; Nov. 6.
- Halk, Louis W., Hackensack, N. J., assignor to Northam Warren Corporation, New York, N. Y. Box. 1,684,091; Sept. 11.
- Hall, Adelbert E., Bay City, Mich. Valve gear. 1,687,557; Oct. 16.
- Hall Airways Corporation. (See Hall, Charles S., assignor.)
- Hall, Akos J., Cleveland, Ohio. Stair structure. 1,679,570; Aug. 7.
- Hall, Alfred E. C., Philadelphia, Pa., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacturing boots and shoes. 1,667,781; May 1.
- Hall, Archibald J., Congleton, assignor to The Silver Springs Bleaching & Dyeing Company Limited, Timbersbrook Congleton, England. Dyeing cellulose-acetate products in black shades. 1,657,255; Jan. 24.
- Hall, Arthur J., Gloucestershire, England, and P. L. Mardis, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,678,857; July 31.
- Hall, Arthur P., West Newton, Mass. Filtering device. 1,664,252; Mar. 27.
- Hall, Bernice K. (See Temple, R., and Hall.)
- Hall, Burl M., McComb, Ohio. Poultry feeder. 1,656,061; Jan. 10.
- Hall, C. M., Lamp Company. (See Godley, Charles E., assignor.)
- Hall, Carter F., and F. W. Lee, Baltimore, Md.; said Lee assignor to said Hall. Refrigerating system. Re17,019; July 3.
- Hall, Carter F., and F. W. Lee, Baltimore, Md.; said Lee assignor to said Hall. Refrigerating system. 1,669,465; May 15.
- Hall, Charles S., Oakland, Calif. Aircraft landing and housing device. 1,681,637; Aug. 21.
- Hall, Charles S., Oakland, Calif. Pressure, temperature, and volume indicating and controlling means for aircraft. 1,682,961; Sept. 4.
- Hall, Charles S., Oakland, Calif. Aircraft. 1,686,084; Oct. 2.
- Hall, Charles S., Oakland, Calif. Gas-storage system for aircraft. 1,687,204; Oct. 9.
- Hall, Charles S., Oakland, Calif., assignor to Hall Airways Corporation, Dover, Del. Aircraft-propelling mechanism. 1,659,098; Feb. 14.
- Hall, Charles S., Los Angeles, Calif. Aircraft. 1,686,130; Oct. 2.
- Hall, Charles S., Los Angeles, Calif. Aircraft. 1,687,203; Oct. 9.
- Hall, Charles S., Los Angeles, Calif., assignor to Hall Airways Corporation, Dover, Del. Aircraft. 1,667,002; Apr. 24.
- Hall, Charles S., Los Angeles, Calif., assignor to Hall Airways Corporation, Dover, Del. Aircraft. 1,676,549; July 10.
- Hall, Charles W., Larchmont, N. Y. Airplane. 1,656,193; Jan. 17.
- Hall, Charles W., Larchmont, N. Y. Propeller. 1,658,438; Feb. 7.
- Hall, Charles W., Larchmont, N. Y. Fitting for aircraft and the like. 1,678,640; July 31.
- Hall, Charles W., Valparaiso, Ind. Combined container and support. 1,690,063; Oct. 30.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Vibration recorder. 1,664,210; Mar. 27.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Self-starting synchronous motor. 1,668,365; May 1.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electric switch. 1,683,132; Sept. 4.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Circuit-controlling device and system employing the same. 1,694,977; Dec. 11.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Demand-meter attachment for fluid meters. 1,696,600; Dec. 25.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. System of motor control. 1,696,601; Dec. 25.
- Hall, Clarence A., Philadelphia, Pa. Molding machine. 1,671,028; May 22.
- Hall, Clarence A., Philadelphia, Pa. Apparatus for making leaden powder. 1,675,345; July 3.
- Hall, Clarence B., Winthrop, Mass. Lamp-house and film-gate construction for motion-picture projectors. 1,668,589; May 8.
- Hall & Connolly, Inc. (See Hall, Theodore, assignor.)
- Hall, Cortice H., Paterson, N. J., and W. Lloyd, Hazleton, Pa., assignors to Domestic Stoker Company, New York, N. Y. Burner for solid fuel. 1,675,548; July 3.
- Hall, Douglas, Chicago, Ill. Toy bank. 1,679,658; Aug. 7.
- Hall Draft Gear Corporation. (See Sherman, C. W., and Hall, assignors.)
- Hall, Earl K. (See Buckert, H. A., and Hall.)
- Hall, Edgar, Cambridge, Mass. Speed-reduction gear. 1,658,767; Feb. 7.
- Hall, Edgar P. (See Edwards, William H., assignor.)
- Hall, Edward A., Baltimore, Md. Apparatus for harvesting artificial ice. 1,694,742; Dec. 11.
- Hall, Edward N., Meadville, Pa. Method of and apparatus for forming permanent waves. 1,678,983; July 31.
- Hall, Edwin W., Wallingford, assignor to Simeon L. and George H. Rogers Company, Hartford, Conn. Spoon or similar article. Des. 75,911; July 31.
- Hall, Elbert J. (See Winslow, C. A., and Hall.)
- Hall, Elbert J., Piedmont, Calif. Flexible coupling. 1,666,494; Apr. 17.
- Hall, Elbert J., Berkley, Calif. Piston ring. 1,691,518; Nov. 13.
- Hall, Elbert J., assignor to Ruckstell Sales and Manufacturing Company, Berkeley, Calif. Change-speed axle. 1,695,585; Dec. 18.
- Hall, Elbert J., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Motor-vehicle attachment. 1,672,120; June 5.
- Hall, Elbert J., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Bus-body-frame construction. 1,678,811; July 31.
- Hall, Elbert J., and A. G. Hawkes, Detroit, Mich., assignors to American Car and Foundry Motors Company, New York, N. Y. Baggage rack for motor vehicles. 1,665,358; Apr. 10.
- Hall, Elbert J., Detroit, and H. Walker, Royal Oak, Mich., assignors to American Car and Foundry Motors Company, New York, N. Y. Body support and cross-tie. 1,672,121; June 5.
- Hall, Elwin B. (See Armentrout, A. L., and Hall.)
- Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Valve hone. 1,694,705; Dec. 11.
- Hall, Ernest A., assignor to The Hall Manufacturing Co., Toledo, Ohio. Grinding tool. 1,696,439; Nov. 20.
- Hall, Ernest A., and G. E. Burns, assignors to The Hall Manufacturing Company, Toledo, Ohio. Gas burner. 1,695,548; Dec. 18.
- Hall, Ernest A., and G. J. Lindroth, assignors to The Hall Manufacturing Company, Toledo, Ohio. Cylinder hone. 1,696,477; Dec. 25.
- Hall, Everett J., Passaic, N. J., assignor to Metals Disintegrating Company, Inc., New York, N. Y. Disintegrating metal. 1,659,291; Feb. 14.
- Hall, Francis C., New York, N. Y. Combination stool, chair, and table. 1,687,128; Oct. 9.
- Hall, Frank A. (See Thomson, Archibald, assignor.)
- Hall, Frank J., et al. (See Iserman, S., Vernet, and Moses, assignors.)
- Hall, Frank W., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of lubricating oils. 1,668,313; May 1.
- Hall, Frederick H., Holford, near Bridgwater, England. Celluloid window. 1,681,037; Aug. 14.
- Hall, Frederick J. T., Akron, Ohio. Combined alarm clock and lamp. 1,665,412; Apr. 10.
- Hall, Frederick P., Newark, N. J., assignor to Simplex Radio Devices, Inc., New York, N. Y. Microcoupler. 1,687,762; Oct. 16.
- Hall, George B., Winnipeg, Manitoba, Canada. Household commodity indicator. 1,690,293; Nov. 6.
- Hall, George F., Erie, Pa. Bedpan washer. 1,661,221; Mar. 6.
- Hall, George N., Los Angeles, Calif. Mechanical toy. 1,695,095; Dec. 11.
- Hall, George R., Waterville, Kans. Awning. 1,677,080; July 10.
- Hall, George S., Chico, Calif. Gas furnace. 1,663,835; Mar. 27.
- Hall, Guy H., Jackson Heights, N. Y. Combined plow and soil pulverizer. 1,693,895; Dec. 4.
- Hall, Harry A., assignor to The Hoosier Manufacturing Company, Newcastle, Ind. Saw guard. 1,690,817; Nov. 6.
- Hall, Harry E., Chicago, assignor to The Globe Music Company, St. Charles, Ill. Ukulele. Des. 74,174; Jan. 3.
- Hall, Harry E., Chicago, Ill. Ukulele. 1,692,207; Nov. 20.
- Hall, Harry G., Williams, Ariz. Cleaning device for false teeth. 1,683,458; Sept. 4.
- Hall, Harry W. (See Fontaine, Jesse W., assignor.)
- Hall, Horace W., Newton Center, Mass. Racket and art of manufacture thereof. 1,682,504; Aug. 28.
- Hall, Howard W., Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for smelting. 1,681,535; Aug. 21.
- Hall, J. Sid. (See Morgan, William C., assignor.)
- Hall, Jay H., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Friction brake. 1,672,314; June 5.
- Hall, John C., Whiting, Ind. Indoor golf apparatus. 1,677,442; July 17.
- Hall, Joseph. (See Sherman, C. W., and Hall.)
- Hall, Joseph M. (See Sherman, C. W., and Hall.)
- Hall, Joseph M., Hamilton, Ontario, Canada. Shock absorber. 1,696,478; Dec. 25.
- Hall, Joseph M., Hamilton, Ontario, Canada, assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Shock absorber. 1,661,822; Mar. 6.
- Hall, Judson, Harland, assignor of one-fourth to B. F. Bayha and one-fourth to H. A. Bell, Milwaukee, Wis. Propelled bathing device. 1,691,188; Nov. 13.
- Hall, Judson, Harland, assignor of one-fourth to B. F. Bayha and one-fourth to H. A. Bell, Milwaukee, Wis. Floatable toy. 1,691,189; Nov. 13.

- Hall, Leo W., Perkins Township, Erie County, Ohio. Device for taking up looseness in bearings. 1,693,559; Nov. 27.
- Hall, Leslie S., assignor to Williams Tool Corporation, Erie, Pa. Die head for threading machines and the like. 1,655,542; Jan. 10.
- Hall, Leslie S., assignor to Williams Tool Corporation, Erie, Pa. Belt-tensioning device for threading machines and the like. 1,666,135; Apr. 17.
- Hall, Leslie S., assignor to Williams Tool Corporation, Erie, Pa. Cutting off and reaming attachment for threading machines and the like. 1,673,979; June 19.
- Hall, Lindsay S., New Bedford, Mass., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Compressor roll. 1,679,571; Aug. 7.
- Hall Manufacturing Company, The. (See Hall, E. A., and Burns, assignors.)
- Hall Manufacturing Company, The. (See Hall, Ernest A., assignor.)
- Hall Manufacturing Company, The. (See Hall, E. A., and Lindroth, assignors.)
- Hall, Mary E., Chicago, Ill. Facial bleach pack. 1,668,502; May 1.
- Hall, Mary E., Chicago, Ill. Massage and cleansing cream and preparing the same. 1,668,503; May 1.
- Hall, Mary F. (See Green, John T., assignor.)
- Hall & McChesney Inc. (See McChesney, Donald S., assignor.)
- Hall, Nathaniel, Annapolis, Md. Carpet roller. 1,663,836; Mar. 27.
- Hall, Newton L., La Salle, Ill. Perimetric feed for tumbling mills. 1,671,233; May 29.
- Hall, Otho N., Baltimore, Md. Storage rail. 1,670,962; May 22.
- Hall, Paul S., assignor of one-half to G. J. Voss, Austin, Minn. Electric-light socket and bulb base. 1,692,732; Nov. 20.
- Hall, Peter P-G., Philadelphia, Pa. Milling cutter. 1,668,070; May 1.
- Hall, Peter P-G., Philadelphia, Pa. Oil cleaner. 1,681,232; Aug. 21.
- Hall, Ralph E., Pittsburgh, assignor to J. M. Hopwood, Dormont Borough, Pa. Method and apparatus for determination of the concentration of turbid suspensions. 1,681,339; Aug. 21.
- Hall, Ralph E., Pittsburgh, assignor to J. M. Hopwood, Dormont Borough, Pa. Filtration of alkaline waters. 1,686,558; Oct. 9.
- Hall, Ralph B. (See Severns, T., and Hall.)
- Hall, Randolph F., Ithaca, N. Y., assignor of twenty-five one-hundredths to T. P. Hall, Wallingford, Conn., and twenty-five one-hundredths to A. E. Larsen, Bryn Athyn, Pa. Airplane. 1,664,295; Mar. 27.
- Hall, Ray C., Needham, assignor to Frank W. Gorse Co., Needham Heights, Mass. Short-stretch covered elastic thread. 1,679,822; Aug. 7.
- Hall, Ray E., Evanston, assignor to Hall Research Corporation, Chicago, Ill. Electrolyte and electrolytic apparatus. 1,694,653; Dec. 11.
- Hall Research Corporation. (See Hall, Ray E., assignor.)
- Hall, Richard E., Olean, N. Y., assignor, by mesne assignments, to The Arvey Manufacturing Co., Wilmington, Del. Reinforced fibrous container and method of manufacture. 1,662,605; Mar. 13.
- Hall, Robert E., et al. (See Left, Royal A., assignor.)
- Hall, Robert F., Schenectady, N. Y. Truck construction for electric locomotives. 1,663,549; Mar. 27.
- Hall, Samuel N. (See Layne, M. E., and Hall.)
- Hall, Theodore, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Projector lamp. 1,677,521; July 17.
- Hall, Theodore, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Projector lamp. 1,679,718; Aug. 7.
- Hall, Theodore, assignor to Hall & Connolly, Inc., New York, N. Y. Projector lamp. 1,691,475; Nov. 13.
- Hall, Theodore P., et al. (See Hall, Randolph F., assignor.)
- Hall, Trygve A., Poughkeepsie, N. Y. Adjustable gauge. 1,672,488; June 5.
- Hall, W. F., Printing Company. (See Massey, Peter J., assignor.)
- Hall, Walter O., Franklin, Mass., assignor to American Type Founders Company, Jersey City, N. J. Transfer mechanism. 1,675,346; July 3.
- Hall, Walter O., Franklin, Mass., assignor to American Type Founders Company, Jersey City, N. J. Delivery mechanism. 1,639,431; Oct. 30.
- Hall, Walter O., and W. C. Buchanan, Franklin, Mass. Printing press. 1,684,731; Sept. 13.
- Hall, Wesley F., Matawan, assignor to The Hanson & Van Winkle Company, Newark, N. J. Conveyor. 1,656,976; Jan. 24.
- Hall, William, et al. (See Hentschell, C. J. V., and Wheldon, assignors.)
- Hall, William, & Company Limited. (See Haines, Leonard M., assignor.)
- Hall, William E., Weston, W. Va. Wall-paper-display machine. 1,670,807; May 22.
- Hall, William G., Honolulu, Hawaii. Juice-straining system for sugar-cane mills. 1,669,086; May 8.
- Hall, Winslow G., Burlingame, Calif. Electrical protection for oil storage. 1,659,652; Feb. 21.
- Hallberg, August W., assignor to Chase Companies, Inc., Waterbury, Conn. Lavatory fixture. 1,687,019; Oct. 9.
- Hallberg, Clay F. (See Dilley, F. M., and Hallberg.)
- Hallberg, Josef H., New York, N. Y. Radio apparatus. 1,677,589; July 17.
- Hallberg, William, Los Angeles, Calif. Fireplace. 1,670,034; May 15.
- Hallberg, William, Los Angeles, Calif. Damper. 1,674,202; June 19.
- Hallborg, Henry E., Washington, D. C. Radio signaling system. 1,672,027; June 5.
- Halle, Hiram J., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Refining hydrocarbon oils. 1,681,638; Aug. 21.
- Halle, Simon, Colorado Springs, Colo., assignor to Edison Electric Appliance Company, Inc. Temperature-control means. 1,667,595; Apr. 24.
- Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Valve. 1,659,814; Feb. 21.
- Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Valve mechanism. 1,659,816; Feb. 21.
- Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,679,129; July 31.
- Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Drilling apparatus. 1,679,137; July 31.
- Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Valve mechanism. 1,659,815; Feb. 21.
- Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Valve mechanism. 1,660,193; Feb. 21.
- Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,666,287; Apr. 17.
- Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Pin extractor for forging machines. 1,692,264; Nov. 20.
- Halleck, Frank A., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve mechanism. 1,695,586; Dec. 18.
- Hallenbeck, George E., assignor, by mesne assignments, to Baker Brothers, Inc., Toledo, Ohio. Drill press. 1,681,402; Aug. 21.
- Hallenbeck, George E., assignor, by mesne assignments, to Baker Brothers, Inc., Toledo, Ohio. Power-actuated tool. 1,681,403; Aug. 21.
- Hallenbeck, George E., assignor, by mesne assignments, to Baker Brothers, Toledo, Ohio. Multiple-tool drill. 1,683,667; Sept. 11.
- Hallenberg, Albert, Fargo, N. Dak. Menstrual sponge. 1,669,295; May 8.
- Hallenborg, Axel W., Newark, N. J. Oil-gas producer and burner. 1,673,282; June 12.
- Haller, Arnold. (See Wirz, E., Haller, and Kuntze.)
- Haller, Arnold, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electric control apparatus. 1,684,315; Sept. 11.
- Haller, George N., assignor of one-half to I. Seigel, Washington, D. C. Combined accelerator and foot rest. 1,672,315; June 5.
- Haller, Josef. (See Guenther, A., Haller, and Köster.)
- Haller, Josef, Wiesdorf, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Azo dyestuffs. 1,671,422; May 29.
- Haller, Josef, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Halogenides of aromatic oxaminic acids. 1,685,698; Sept. 25.
- Haller, Oliver J. (See Schiller, M. B., and Haller.)
- Hallerman, Frank W. A., St. Louis, Mo. Bail handle. 1,678,005; July 24.
- Hallerman, Frank W. A., St. Louis, Mo., assignor to National Lead Company, Jersey City, N. J. Method and apparatus for applying coating to the inside of paint buckets. 1,682,751; Sept. 4.
- Hallet, William F. (See Munro, Hugh, assignor.)
- Hallett, George E. A. (See Angle, G. D., and Hallett.)
- Hallett, George E. A., assignor to General Motors Research Corporation, Dayton, Ohio. Hydraulic braking system for motor vehicles. 1,664,680; Apr. 3.
- Hallett, George H., Jr., Lansdowne, Pa. Container for separating slotted cards. 1,662,669; Mar. 13.
- Hallett, Robert L., Brooklyn, assignor to National Lead Company, New York, N. Y. Refining petroleum oils with doctor solution. 1,678,984; July 31.
- Hallgarth, Joseph, and E. E. Chandler, Elgin, Oreg. Grain-treating machine. 1,655,144; Jan. 3.
- Halliburton, Erle P., Los Angeles, Calif. Method and apparatus for hydrating cement and the like. 1,680,678; Aug. 14.
- Halliburton, Erle P., Los Angeles, Calif. Well-sounding device. 1,692,037; Nov. 20.
- Halliburton, Virgil F. (See Lawrence, F., and Halliburton.)
- Halliday, Marion B., New York, N. Y. Signaling device. 1,686,233; Oct. 2.
- Halliwell, John J., Tuckahoe, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Folding cylinder. 1,659,566; Feb. 21.
- Halliwell, John J., Tuckahoe, assignor to R. Hoe & Co. Inc., New York, N. Y. Matrix-drying press. 1,674,641; June 26.

- Halliwell, John J., Tuckahoe, assignor to R. Hoe & Co., Inc., New York, N. Y. Late-news and color printing mechanism. 1,683,133; Sept. 4.
- Halliwell, John J., Tuckahoe, assignor to R. Hoe & Co., New York, N. Y. Stereotype plate. 1,691,548; Nov. 13.
- Hallman, Eldon D., Kitchener, Ontario, Canada. Reinforcing clip. 1,663,909; Mar. 27.
- Hallmann, Karl, Munich, Germany. Increasing the electrical conductivity and the flexibility of metals or alloys. 1,695,044; Dec. 11.
- Hallock, George W., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Alloy base for oxide-coated cathodes. 1,695,845; Dec. 18.
- Hallock, William I., Los Angeles, Calif. Glue gun. 1,663,077; Mar. 20.
- Hallock, William I., Los Angeles, Calif. Folding trailer boat. 1,692,208; Nov. 20.
- Halloran, Patrick J., Boston, Mass. Windshield cleaner. 1,688,386; Oct. 23.
- Halloran, Ralph A., Berkeley, assignor, by mesne assignments to Standard Oil Company of California, San Francisco, Calif. Counterflow treatment of petroleum oils. 1,684,489; Sept. 18.
- Halloway, Dayton S., Albany, Oreg. Milk-bottle lock. 1,679,080; July 31.
- Halloway, Ernest T., Milwaukee, Wis. Automobile body. Des. 76,392; Sept. 25.
- Hallowell, Clifton C., Drexel Hill, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. 1,683,613; Sept. 11.
- Hallowell, Clifton C., Drexel Hill, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. 1,683,614; Sept. 11.
- Hallowell, Louis S., assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring-pad construction. 1,679,030; July 31.
- Hallowell, Louis S., Kansas City, Mo., assignor to The Prosperity Company Inc., Syracuse, N. Y. Ironing machine. 1,683,612; Sept. 11.
- Hallquist, Burt E. (See Hanson, E. C., and Hallquist.)
- Halls, Simon A., Minneapolis, Minn. Condenser. 1,654,687; Jan. 3.
- Hallstrom, Erik G., and C. G. Nelson, Kemmerer, Wyo. Saw set. 1,655,951; Jan. 10.
- Hallwood, Nathan A., Columbus, Ohio. Scale. 1,690,196; Nov. 6.
- Hally-Smith, Daniel, assignor to Lymeogene, Paris, France. Bottle. Des. 74,436; Feb. 14.
- Halmet, Elmer, Palo, Minn. Tractor attachment. 1,657,747; Jan. 31.
- Halowax Corporation. (See Brown, Sanford, assignor.)
- Halpenny, Richard, Washington, D. C., assignor to De Forest Phonofilm Corporation, New York, N. Y. Slit block. 1,692,256; Nov. 20.
- Halper, Samuel H., Detroit, Mich. Striker plate. 1,663,300; Mar. 20.
- Halpern, David, Brooklyn, assignor to Hyman & Oppenheim, New York, N. Y. Permanent-waving attachment. 1,673,942; June 19.
- Halpert, Max, New York, N. Y. Ventilated rodentproof clothes hamper. Des. 76,017; Aug. 14.
- Halpert, Max, New York, N. Y. Vegetable cabinet. Des. 77,233; Dec. 18.
- Halstead, Richard R., Beach, N. Dak. Antislipping device. 1,662,111; Mar. 13.
- Haltenberger, Jules, assignor to Jules Haltenberger, Incorporated, Indianapolis, Ind. Internal-combustion engine. 1,688,294; Oct. 16.
- Haltenberger, Jules, Incorporated. (See Haltenberger, Jules, assignor.)
- Halter, Edmund H. (See Cole, L. M., Halter, and Lewis.)
- Halter, George A., Lakewood, assignor to The Halter Metal Products Company, Cleveland, Ohio. Hangar for toy aeroplanes. Des. 76,796; Nov. 6.
- Halter, Georges, Paris, France. Conveyor operated at accelerated speed. 1,689,201; Oct. 30.
- Halter Metal Products Company, The. (See Halter, George A., assignor.)
- Halverson, Alfred L. (See Anderson, P. M., and Halverson.)
- Halverson, Isadore M. (See Feinberg, A., and Halverson.)
- Halvorsen, Axel I. S., assignor to McCormick Brothers Company, Albany, Ind. Support for flexible doors of kitchen cabinets. 1,665,028; Apr. 3.
- Halvorsen, Birger F., assignor to Norsk Hydro-Elektrisk Kvaestofabriksselskab, Oslo, Norway. Purification of gases to be used in the production of ammonia. 1,694,594; Dec. 11.
- Halvorsen, Halbert B., Chicago, Ill., assignor to Sullivan Machinery Company. Valve mechanism. 1,659,817; Feb. 21.
- Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,680,251; Aug. 7.
- Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,680,253; Aug. 7.
- Halvorsen, Halbert B., Michigan City, Ind., assignor to Sullivan Machinery Company. Compressor. 1,692,268; Nov. 20.
- Halvorsen, Olaf. (See Kiesling, S. F., and Halvorsen.)
- Halvorsen, Severin, Chicago, Ill. Newspaper-stuffing machine. 1,659,099; Feb. 14.
- Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Pneumatic feed mechanism. 1,676,897; July 10.
- Halvorsen, Severin, Chicago, Ill., assignor to The Newspaper Stuffing Machine Company, Seattle, Wash. Automatic stopping means. 1,689,242; Oct. 30.
- Halvorson, Andrew, Franklin, Minn. Cap tool. 1,661,941; Mar. 6.
- Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Light projector. 1,657,256; Jan. 24.
- Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lighting unit and reflector therefor. 1,658,716; Feb. 7.
- Halvorson, Cromwell A. B., jr., Lynn, and R. B. Hussey, Swampscott, Mass., assignors to General Electric Company. Signaling device. 1,670,682; May 22.
- Halvorson, Henry R., Finley, N. Dak. Tractor. 1,691,846; Nov. 13.
- Ham, Jacob C., Grand Rapids, Mich. Pavement grinder. 1,663,759; Mar. 27.
- Ham, Newell E., Worcester, Mass., assignor to Defiance Sales Corporation, New York, N. Y. Calendar stand. 1,661,038; Feb. 28.
- Hamacheck, Julius E., Two Rivers, assignor to A. O. Smith Corporation, Milwaukee, Wis. Machine for removing scale from metal strips and sheets. 1,656,324; Jan. 17.
- Hamaker, Rex G., Houston, Tex. Polish-rod grip. 1,673,563; June 12.
- Hamaker, Rex G., assignor of one-half to A. M. Bowman, Houston, Tex. Support. 1,692,209; Nov. 20.
- Hamann, Fred, et al. (See Jackson, Merlin M., assignor.)
- Hamblin, Fred B., assignor to The Weightograph Company, St. Louis, Mo. Scale. 1,684,957; Sept. 18.
- Hamburg-Amerikanische Uhrenfabrik. (See Bauknecht, Carl, assignor.)
- Hamburg-Amerikanische Uhrenfabrik. (See Landenberger, Kurt, assignor.)
- Hamburger, Aron, London, England. Color photography and the like. 1,695,045; Dec. 11.
- Hamburger, Aron, and H. E. Coston, London, England. Camera for color photography. 1,661,611; Mar. 6.
- Hamburger, Herman, Santa Paula, Calif. Attachment for bumpers. 1,665,780; Apr. 10.
- Hamel, Charles W., St. Louis, Mo. Apparatus for positioning elastic tubular coverings on the handles of playing clubs. 1,669,053; May 8.
- Hamel, Frederick A., assignor to Gendron Wheel Company, Toledo, Ohio. Child's vehicle. 1,657,080; Jan. 24.
- Hamel, Frederick A., assignor to The Gendron Wheel Company, Toledo, Ohio. Brake for children's vehicles. 1,667,932; May 1.
- Hamel, Frederick A., assignor to The Gendron Wheel Company, Toledo, Ohio. Brake for children's automobiles. 1,667,933; May 1.
- Hamer, Gus M., et al. (See Le Bus, John E., assignor.)
- Hamer, James H., Bolton, assignor to James L. Rushton, Bolton, Lancashire, England. Rotary pump and the like. 1,682,842; Sept. 4.
- Hamer, Leland S., Fullerton, Calif. Well-capping device. 1,662,311; Mar. 13.
- Hamer, Louis, Montreal, Quebec, Canada. Electric switch. 1,687,611; Oct. 16.
- Hamerstadt, William D., assignor to Rockwood Manufacturing Company, Indianapolis, Ind. Machine for die casting pulleys and the like. 1,664,296; Mar. 27.
- Hamerstadt, William D., assignor to Rockwood Manufacturing Company, Indianapolis, Ind. Making pulleys. 1,664,360; Mar. 27.
- Hamerstadt, William D., assignor to Rockwood Manufacturing Company, Indianapolis, Ind. Making split pulleys. 1,664,361; Mar. 27.
- Hamill, Fred B., et al., executors. (See Heinz, Julius A.)
- Hamill, William W., Birmingham, England. Fluid-flow meter. 1,684,316; Sept. 11.
- Hamill, William W., Birmingham, England. Rotary-type flow meter. 1,684,350; Sept. 11.
- Hamiltonoff, Simon A., assignor of two-thirds to W. Zachs and J. Safran, Hartford, Conn. Frost-prevention device for windows. 1,688,014; Oct. 16.
- Hamilton, Arthur C. E. (See Caldwell, M. H., and Green, assignors.)
- Hamilton, Ashton. (See Howard, Albert L., assignor.)
- Hamilton Beach Mfg. Co. (See Ernst, William, assignor.)
- Hamilton Beach Mfg. Co. (See Moss, Edward, assignor.)
- Hamilton Beach Mfg. Co. (See Robinson, Patrick H., assignor.)
- Hamilton, Charles S., Harrison, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 74,831; Apr. 3.
- Hamilton, Charles S., Harrison, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 75,237; May 22.
- Hamilton, Clift S., Lincoln, Nebr., assignor, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Arsenical compound. 1,665,781; Apr. 10.
- Hamilton, E. A. (See Spiel, Arthur S., assignor.)
- Hamilton, Earl R., Pekin, Ind. Apparatus for the treatment of hydrocarbon compounds. 1,671,423; May 29.

- Hamilton, Ernest O. (See Allen, J. B., and Hamilton.)
 Hamilton, Ferdinand A., Los Angeles, Calif., assignor to Southern California Gas Company. Testing machines. 1,675,802; July 3.
 Hamilton, Francis F., Indianapolis, Ind. Box. Des. 74,832; Apr. 3.
 Hamilton, Frederick H., Newark, assignor of one-half to R. Jaeger, Linden, N. J., and one-half to C. A. Ryberg, Brooklyn, N. Y. Door check and closer. 1,672,411; June 5.
 Hamilton, Gail W., Council Bluffs, Iowa. Dental appliance. 1,660,962; Feb. 28.
 Hamilton, George H., Grand Rapids, and R. A. White, Walker Township, Kent County, assignors to American Seating Company, Grand Rapids, Mich. Seat structure. 1,689,024; Oct. 23.
 Hamilton, Grace L., New York, N. Y. Lorgnette. 1,670,350; May 22.
 Hamilton, Harold S. (See Bown, R., and Hamilton.)
 Hamilton, Helen W., Brooklyn, N. Y. Making piston rings. 1,660,506; Feb. 28.
 Hamilton, Henry H., Columbus, Ohio. Method and apparatus for feeding coal. 1,686,151; Oct. 2.
 Hamilton, Hugh R., Webster, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,663,593; Mar. 27.
 Hamilton, John H., North Andover, Mass. Tenting fabrics. 1,672,719; June 5.
 Hamilton, Karl M., Chicago, Ill. Yoke and making same. 1,669,706; May 15.
 Hamilton Manufacturing Company. (See Belger, John W., assignor.)
 Hamilton, Paul H. (See Thomas, M. W., and Hamilton.)
 Hamilton, Paul H., assignor to The Sands Manufacturing Company, Cleveland, Ohio. Valve. 1,694,777; Dec. 11.
 Hamilton, Perry H., Baltimore, Md., assignor to Maintenance Equipment Company, Chicago, Ill. Wheel-flange roller. 1,680,290; Aug. 14.
 Hamilton, Perry H., Baltimore, Md., assignor to Maintenance Equipment Company, Chicago, Ill. Apparatus for cleaning ballast. 1,687,724; Oct. 16.
 Hamilton, Perry H., Baltimore, Md., assignor to Maintenance Equipment Company, Chicago, Ill. Ballast-cleaning apparatus. 1,690,009; Oct. 30.
 Hamilton-Ross Factories Inc. (See Grien, Joseph, assignor.)
 Hamilton, Thomas G., assignor of one-third to I. Newberg, Chicago, Ill. Mixing implement for plasterers. 1,659,024; Feb. 14.
 Hamilton, Walter L., Holyoke, Mass., assignor to General Electric Company. Automatic regulator. 1,674,720; June 26.
 Hamilton, William, Newark, Ohio. Buffer mechanism. 1,661,177; Mar. 6.
 Hamilton, William S. H., Schenectady, N. Y., assignor to General Electric Company. Control system for air compressors. 1,672,681; June 5.
 Hamilton, William S. H., Schenectady, N. Y., assignor to General Electric Company. Motor controller. 1,684,267; Sept. 11.
 Hamilton, William S. H., Schenectady, N. Y., assignor to General Electric Company. Storage-battery-charging system. 1,689,483; Oct. 30.
 Haming, Lawrence J. (See Bode, W. O., and Haming.)
 Hamlin, Charles R., Chicago, Ill. Display stand. 1,687,205; Oct. 9.
 Hamlin, Frank B., Evanston, Ill. Front-wheel drive for motor vehicles. 1,676,436; July 10.
 Hamlin, Horace P., Montclair, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Wharf. 1,672,122; June 5.
 Hamlin, Marston L., Lynbrook, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Jelutong product and producing the same. 1,674,435; June 19.
 Hamlin, Otto, Quincy, Mass. Annunciator. 1,682,332; Aug. 28.
 Hamm, John A., Middletown, Ohio. Nonrewind take-up reel for motion-picture-projecting machines and the like. 1,670,447; May 22.
 Hamm, Karl, Hartford, Conn. Steam boiler. 1,666,202; Apr. 17.
 Hamm, Rollie, assignor to Indiana Gravel Company, Indianapolis, Ind. Sand gate. 1,667,690; Apr. 24.
 Hamm, William S., Hubbard Woods, Ill., assignor to The Adlake Company. Signal lantern. 1,660,194; Feb. 21.
 Hamm, William S., Hubbard Woods, Ill., assignor to The Adlake Company. Vehicle ventilator. 1,663,630; Mar. 27.
 Hamm, William S., Hubbard Woods, Ill., assignor to The Adams & Westlake Company. Electric lantern. 1,683,348; Sept. 4.
 Hammack, James H. (See Gallion, J. L., and Hammack.)
 Hammaker, William S., Harrisburg, Pa. Road machine for distributing chips, gravel, sand, and the like. 1,656,631; Jan. 17.
 Hammalian, Paul. (See Hunau, A., and Hammalian.)
 Hammar Co. Inc. (See Hammar, Sigard A. S., assignor.)
 Hammar, Sigard A. S., Bethlehem, Pa., assignor to Hammar Co. Inc., Brooklyn, N. Y. Gear teeth. 1,690,931; Nov. 6.
 Hammer-Bray Company. (See Gericke, Frederick A., assignor.)
 Hammer-Bray Company. (See Hammer, George, assignor.)
 Hammer, Charles, Hollis Court Boulevard, assignor to American Metal Cap Company, Brooklyn, N. Y. Machine for making caps. 1,671,990; June 5.
 Hammer, Charles, Hollis Court Boulevard, assignor to American Metal Cap Company, Brooklyn, N. Y. Glass thread container. 1,676,023; July 3.
 Hammer, Charles, Hollis Court Boulevard, assignor to American Metal Cap Company, Brooklyn, N. Y. Combined cap or closure and liner plate. 1,683,887; Sept. 4.
 Hammer, Charles, Hollis Court Boulevard, assignor to American Metal Cap Company, Brooklyn, N. Y. Combined lug cap and liner plate. 1,683,388; Sept. 4.
 Hammer, Edwin W. (See Dresser, C. A., and Hammer.)
 Hammer, George, assignor to Hammer-Bray Company, Oakland, Calif. Gas range. Des. 75,559; June 19.
 Hammer, Hans, Munich, Germany. Daybook. 1,675,887; July 3.
 Hammer, Joseph C., and P. F. Vokal, Hartford, Conn. Radiator valve. 1,656,374; Jan. 17.
 Hammer, Samuel. (See Klein, I., and Hammer.)
 Hammer, Samuel, Brooklyn, N. Y. Metal receptacle. 1,692,653; Nov. 20.
 Hammerling, Emanuel, New York, N. Y. Lady's hand bag. Des. 75,491; June 12.
 Hammerlund, Lloyd A., Rockville Center, N. Y., assignor to The Hammerlund Manufacturing Company, Incorporated. Adjustable condenser. 1,684,917; Sept. 18.
 Hammerlund Manufacturing Company, The. (See Hammerlund, Lloyd A., assignor.)
 Hammermeister, Otto. (See Moecker, H., jr., Thompson, and Hammermeister.)
 Hammermill Paper Company. (See Randecker, Leonard E., assignor.)
 Hammerquist, Oscar W. (See Kristofek, F. J., and Hammerquist.)
 Hammers, William J., Grand Rapids, Mich. Electric water heater. 1,656,518; Jan. 17.
 Hammerstrom, Oscar, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,671,860; May 29.
 Hammerstrom, Oscar, and H. O. Engstrom, assignors to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,669,240; May 8.
 Hammett, Charles W., Port Washington, N. Y. Wheel. 1,681,182; Aug. 21.
 Hammett, Oren C., and G. R. Scott, Knoxville, Tenn., assignors to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,675,549; July 3.
 Hammond Bag & Paper Co. (See Davis, Merritt J., assignor.)
 Hammond, Bertwood L., Worcester, Mass. Transportation of paper. 1,635,845; Oct. 2.
 Hammond Bolt & Nut Company. (See Lowery, William, assignor.)
 Hammond, Cecil F., assignor of one-fifth to W. Shackleton, London, England. Method of and apparatus for the concentration or purification of caustic soda or other suitable material. 1,668,504; May 1.
 Hammond, Cecil F., and W. Shackleton, London, England. Apparatus for boiling or raising the temperature of water and other liquids. 1,675,347; July 3.
 Hammond, Cecil F., and W. Shackleton, London, England. Combined step and wall or extension ladder. 1,685,632; Sept. 25.
 Hammond, Cecil F., assignor of one-fifth to W. Shackleton, London, England. Gaseous-fuel burner. 1,689,551; Oct. 30.
 Hammond, Earl R., assignor to Crystal Refrigerating Co., Fremont, Nebr. Refrigerator door. 1,666,258; Apr. 17.
 Hammond, Guy L., L. H. Messinger, jr., and W. Nicholas, assignors to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber-ring-cutting machine. 1,685,127; Sept. 25.
 Hammond, John H., jr. (See Buswell, L., and Hammond.)
 Hammond, John H., jr. (See Chaffee, Emory L., assignor.)
 Hammond, John H., jr. (See Chaffee, E. L., and Purington, assignors.)
 Hammond, John H. (See Purington, Ellison S., assignor.)
 Hammond, John H., jr. (See Trenor, Albert D., assignor.)
 Hammond, John H., jr., Gloucester, Mass. System of teledynamic control. 1,658,790; Feb. 7.
 Hammond, John H., jr., Gloucester, Mass. System of control by compressional waves. 1,664,549; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Shutter-control mechanism. 1,664,550; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Thermostat control for cooking utensils. 1,664,551; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Pedal control for pipe organs. 1,664,552; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Successively-operated tone modulator. 1,664,553; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Pipe organ for producing a piano effect. 1,664,554; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Power-operated tone-control mechanism. 1,664,555; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Modulating reflectors for controlling the rate of change of sound emission. 1,664,556; Apr. 3.
 Hammond, John H., jr., Gloucester, Mass. Ship-guidance system. 1,666,897; Apr. 24.
 Hammond, John H., jr., Gloucester, Mass. Successively-operated tone modulators. 1,670,351; May 22.

- Hammond, John H., jr., Gloucester, Mass. Balanced modulating reflectors. 1,670,352; May 22.
- Hammond, John H., jr., Gloucester, Mass. Sliding support for organ manuals. 1,670,353; May 22.
- Hammond, John H., jr., Gloucester, Mass. Drift calculator. 1,670,354; May 22.
- Hammond, John H., jr., Gloucester, Mass. Method of and multiplex selective system for transmitting radiant energy. 1,673,562; June 12.
- Hammond, John H., jr., Gloucester, Mass. System for transmitting energy. 1,677,121; July 10.
- Hammond, John H., jr., Gloucester, Mass. Exposure-indicating device for cameras. 1,678,729; July 31.
- Hammond, John H., jr., Gloucester, Mass. Pipe organ. 1,680,039; Aug. 7.
- Hammond, John H., jr., Gloucester, Mass. Boat-race indicator. 1,680,040; Aug. 7.
- Hammond, John H., jr., Gloucester, Mass. Automatic control of organ music. 1,680,041; Aug. 7.
- Hammond, John H., jr., Gloucester, Mass. System and method for the transmission of radiant energy. 1,681,293; Aug. 21.
- Hammond, John H., jr., Gloucester, Mass. Organ. 1,690,577; Nov. 6.
- Hammond, John H., jr., Gloucester, Mass. Submarine sound receiver. 1,690,578; Nov. 6.
- Hammond, John H., jr., Gloucester, Mass. System for the production of and detection of compressional waves. 1,690,579; Nov. 6.
- Hammond, John H., jr., Gloucester, Mass. Shutter-control mechanism for musical instruments. 1,693,751; Dec. 4.
- Hammond, John H., jr., Gloucester, Mass. Organ control. 1,693,752; Dec. 4.
- Hammond, John H., jr., Gloucester, Mass. Method of and system for electrical signaling. 1,694,654; Dec. 11.
- Hammond, John H., jr., Gloucester, Mass. System and method of production and reception of continuous oscillations. 1,694,655; Dec. 11.
- Hammond, John H., jr., Gloucester, Mass., and A. D. Trenor, New York, N. Y.; said Trenor assignor to said Hammond. System for controlling the direction of moving bodies. 1,659,653; Feb. 21.
- Hammond, John H., jr., Gloucester, Mass., and A. D. Trenor, New York, N. Y.; said Trenor assignor to said Hammond. Odometer. 1,686,854; Oct. 9.
- Hammond, Laurens, New York, N. Y. Stereoscopic-picture-viewing apparatus. 1,658,439; Feb. 7.
- Hammond, Milton B., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Support for vehicle bumpers. 1,654,543; Jan. 3.
- Hammond, Milton B., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Bumper for automobiles. 1,657,357; Jan. 24.
- Hammond, William M., Des Moines, Iowa. Identifying individuals. 1,676,495; July 10.
- Hammond, William P. (See Buel, Hillhouse, assignor.)
- Hammonds, Robert, Cleveland, Ohio. Fluid-pressure engine. 1,630,877; Aug. 14.
- Hamp, Henry D., Baltimore, Md. Automobile screen. 1,657,257; Jan. 24.
- Hampden Glazed Paper & Card Company. (See Fowler, William S., assignor.)
- Hampden Glazed Paper & Card Company. (See Stone, Thomas L., assignor.)
- Hampel, Carl, Jackson, Mich. Animal-feeding device. 1,693,113; Nov. 27.
- Hampton, Francis H., Salt Lake City, Utah. Funnel. Re16,842; Jan. 3.
- Hampton, Francis H., Salt Lake City, Utah. Folding and siphoning funnel. 1,660,442; Feb. 28.
- Hampton, Harold J., Manchester, England, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Separator retainer for storage batteries. 1,674,594; June 19.
- Hampton, Leon N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Brake for rolling ladders. 1,658,192; Feb. 7.
- Hampton, William H., New York, N. Y. Treatment of solid bituminiferous material. 1,668,898; May 8.
- Hampton, William H., New York, N. Y. Process of and apparatus for treating shale and the like. 1,687,763; Oct. 16.
- Hansen, Eric O., assignor to Chain Belt Company, Milwaukee, Wis. Concrete mixing and distributing machine. 1,680,375; Aug. 14.
- Hamric, Waldo L., Birmingham, Ala. Belt buckle. 1,654,805; Jan. 3.
- Hamtil, Otto B. (See Diss, D. B., and Hamtil.)
- Hanahan, Marion L. (See Booge, J. E., Hanahan, and Koller.)
- Hanak, Edward, Houston, Tex. Elevator. 1,673,559; June 12.
- Hanak, Edward, Houston, Tex. Traveling conveyer tray. 1,684,092; Sept. 11.
- Hanamann, Anton, Vienna, Austria. Water-closet system. 1,676,550; July 10.
- Hanan, Herbert W., Brooklyn, N. Y. Sully. 1,691,390; Nov. 13.
- Hanau, Rudolph L., Buffalo, N. Y. Making dental records. 1,688,492; Oct. 23.
- Hanau, Rudolph L., assignor to J. L. Stern, Buffalo, N. Y. Dental articulator. 1,668,845; May 8.
- Hanau, Rudolph L., Buffalo, N. Y. Dental manikin. 1,682,904; Sept. 4.
- Hanauer, Albert M. (See Wirth, Louis E., assignor.)
- Hanauer, Darwin, La Grange, assignor to Kinney-Rome Company, Chicago, Ill. Collapsible bed. 1,675,411; July 3.
- Hanauer, Darwin, La Grange, Ill., assignor to Kinney Rome Company. Machine for tying knots in spiral springs. 1,687,476; Oct. 9.
- Hanauer, Florence L., New York, N. Y. Dress shield. 1,691,548; Nov. 13.
- Hanback, Frank G., Alengany, N. Y. Static-induction toy. 1,659,025; Feb. 14.
- Hanbridge, Charles W. W. (See Rankin, Ernest L., assignor.)
- Hance, Isaac I., assignor to The Cuno Engineering Corporation, Meriden, Conn. Cigar lighter. 1,657,358; Jan. 24.
- Hance, Lawrence W. (See Glaenger, H., and Hance.)
- Hance, William S., Washington, D. C. Combined wagon and sled. 1,681,853; Aug. 21.
- Hanch, Charles C., Connorsville, Ind. Lubricating piston. 1,664,507; Apr. 3.
- Hanch, Charles C., Indianapolis, Ind. Piston. 1,667,548; Apr. 24.
- Hanciau, Georges C. E. F., Paris, France. Recovery, separation, or extraction of gold, platinum, and other metals, applicable also for the separation of precious stones from the earth or material containing them. 1,673,675; June 12.
- Hancock, Charles H. (See Hyland, K. M., and Hancock.)
- Hancock, Harry W., Jackson, Mich. Door latch. 1,664,681; Apr. 3.
- Hancock, Horace G., assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt buckle. 1,692,654; Nov. 20.
- Hancock, John W. (See Hancock, William T. and J. W.)
- Hancock, Joseph H., Murray, Utah. Wrench. 1,658,895; Feb. 14.
- Hancock Manufacturing Co. (See Marple, Rollo, assignor.)
- Hancock, Randolph B., Gary, Ind. Looping and guiding device for rolling mills. 1,679,304; July 31.
- Hancock, William G., and L. T. Stromswold, assignors to Magic Grain Dump Company, Minot, N. Dak. Wagon and truck dump. Re17,046; July 24.
- Hancock, William L., assignor to The Murray Company, Dallas, Tex. Press-door lock and release. 1,660,837; Feb. 28.
- Hancock, William L., assignor to The Murray Company, Dallas, Tex. Saw card. 1,688,418; Oct. 23.
- Hancock, William T. and J. W., Long Beach, Calif. Oil-cracking still. 1,680,541; Aug. 14.
- Hand, Carl N., Nitro, W. Va. assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of acetaldehyde. 1,696,479; Dec. 25.
- Hand, Carl N., and H. P. Roberts, Nitro, W. Va., assignors to The Rubber Service Laboratories Co., Akron, Ohio. Catalyzing the formation of thio-ureas. 1,688,707; Oct. 23.
- Hand, Frederick E., Syracuse, N. Y., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,670,407; May 22.
- Hand, Frederick E., Syracuse, N. Y., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,670,408; May 22.
- Hand, Jesse H., Chicago, Ill. Change-speed gearing. 1,674,468; June 19.
- Handelan, Daniel, Minneapolis, Minn. Humidifying device. 1,665,455; Apr. 10.
- Handelan, Daniel, Minneapolis, Minn. Grease gun. 1,667,782; May 1.
- Handelsvennootschap Firma Gabriëls & Co. (See Gabriëls, Stefanus, assignor.)
- Handlan, Alexander H. (See Kuchner, Louis C., assignor.)
- Handlan, Alexander H. (See Rolfe, George H., assignor.)
- Handlan, Alexander H., St. Louis, Mo. Hand lantern. 1,667,378; Apr. 24.
- Handlan, Alexander H., St. Louis, Mo. Lantern. 1,667,379; Apr. 24.
- Handlan, Alexander H., St. Louis, Mo. Light-source support. 1,667,380; Apr. 24.
- Handlan, Alexander H., St. Louis, Mo. Lantern. 1,676,861; July 10.
- Handlan, Alexander H., St. Louis, Mo. Focusing device. 1,688,619; Oct. 23.
- Handlen, Irvin J., Green Bay, Wis. Confectionery machine. 1,660,380; Feb. 28.
- Handley, Arthur, Tunstall, England. Press for shaping covers of teapots and the like. 1,675,550; July 3.
- Handley, George F. (See Myers, L. C., and Handley.)
- Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,674,363; June 19.
- Hands, Henry J., Chiswick, London, assignor to Spicers, Limited, London, England. Cellulose-derivative film and making the same. 1,666,377; Apr. 17.
- Hands, Howard A., assignor to Hood Rubber Company, Watertown, Mass. Means relating to the manufacture of rubber water bottles. 1,682,223; Aug. 28.
- Hands, Sidney G., Davenport, Iowa. Indoor football game. 1,663,404; Mar. 20.
- Handy, Arthur E. (See Margles, S. G., and Handy.)
- Handy Governor Corporation. (See Handy, R. G., and Bull, assignors.)

- Handy Governor Corporation. (See Welch, George R., assignor.)
- Handy, Levin G., Mountain View, N. J., assignor, by mesne assignments, to Voices Incorporated, Wilmington, Del. Voice device. 1,682,962; Sept. 4.
- Handy, Robert G., and A. A. Bull, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 1,663,631; Mar. 27.
- Handyside, Charles H., Norfolk, Va. Motion harnesser. 1,670,620; May 22.
- Haneberg, Hugo, New York, N. Y. Valve. 1,679,081; July 31.
- Hänel, Paul T., Dresden, Germany. Removing compressed matter from containers. 1,660,160; Feb. 21.
- Hanes, Laura A., Tiffin, Ohio, and V. D. Hanes, Jackson, Mich. Folding hem adjuster. 1,693,176; Nov. 27.
- Hanes, Verne D. (See Hanes, Laura A. and V. D.)
- Haney, Clifford I. (See Dreyfus, H., and Haney.)
- Haney, John C., Philadelphia, Pa. Soap cake. 1,657,391; Jan. 24.
- Haney, Martin O., Iola, Kans. Tire boot. 1,666,009; Apr. 10.
- Haney, Myron L., Beloit, Wis. Coin-controlled fan. 1,696,231; Dec. 25.
- Haney, Myron L., Chicago, Ill. Coin-controlled fan. 1,696,232; Dec. 25.
- Haney, Walter, Forney, Tex. Automatic press stop. 1,659,818; Feb. 21.
- Haney, William J., North Vernon, Ind. Clacking insert for shoes. 1,668,505; May 1.
- Haney William J., North Vernon, Ind. Tapper and protector for toe-dancing shoes. 1,684,442; Sept. 18.
- Hanff, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Machine for making metallic tubing. 1,664,976; Apr. 3.
- Hanff, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Producing varnished wires. 1,682,123; Aug. 28.
- Hanford, Orin A., assignor to The Federal Glass Company, Columbus, Ohio. Method and apparatus for forming glassware. 1,660,125; Feb. 21.
- Hanford, Thomas P. (See Dalbey, G. E., and Hanford.)
- Hangleiter, Carl, Mannheim-Woldhof, and A. Schneider, Kelheim-on-the-Danube, assignors to the firm: Zellstoff-fabrik Waldhof, Mannheim-Waldhof, Germany. Apparatus for boiling cellulose. 1,693,983; Dec. 4.
- Haniford, Louis, Hanna, Alberta, Canada. Railway signaling device. 1,662,419; Mar. 13.
- Hanigan, Adam W., Detroit, Mich. Piston packing. 1,658,440; Feb. 7.
- Hanington, Charles A., Freeport, N. Y. Forming raised designs on cloth and the like. 1,658,844; Feb. 14.
- Hanken, Louis, Seattle, Wash. Pot seine. 1,667,700; Apr. 24.
- Hankison, Lewis E., Pittsburgh, and W. M. Stephens, Cheswick, Pa.; said Stephens assignor to said Hankison. Pressure regulator. 1,693,273; Nov. 27.
- Hanks, George R., assignor to Taylor-Wharton Iron and Steel Company, High bridge, N. J. Dipper tooth. 1,692,501; Nov. 20.
- Hanks, Marshall W., Madison, Wis. Liquid-conductor heater and operating same. 1,683,070; Sept. 4.
- Hanks, Marshall W., and M. Mason, Madison, Wis., assignors to Hankscraft Company. Liquid-conductor heater device. 1,683,069; Sept. 4.
- Hanks, Marshall W., and M. Mason, Madison, Wis., assignors to Hankscraft Company. Liquid-conductor heater and operating same. 1,683,071; Sept. 4.
- Hanksraft Company. (See Hanks, M. W., and Mason, assignors.)
- Hanlen, Clifford F., Phoenix, Ariz. Elevating-transfer-storage rack. 1,682,078; Aug. 28.
- Hanley Company. (See Hendryx, Dwight B., assignor.)
- Hanley, Henry B., Rochester, assignor to Whitehead Brothers Company, New York, N. Y. Molding compound. 1,657,573; Jan. 31.
- Hanley, Henry B., Rochester, assignor to Whitehead Brothers Company, New York, N. Y. Core binder. 1,673,356; June 12.
- Hanley, Henry B., Rochester, assignor to Whitehead Brothers Company, New York, N. Y. Core binder. 1,673,357; June 12.
- Hanley, John W. H., New York, N. Y. Radio loud speaker. 1,687,293; Oct. 9.
- Hanley, William L., jr., Bradford, Pa. Tunnel kiln. 1,658,331; Feb. 7.
- Hanley, William L., jr., Bradford, Pa. Twin tunnel kiln. 1,658,332; Feb. 7.
- Hanley, William L., jr., Bradford, Pa. Tunnel kiln. 1,658,333; Feb. 7.
- Hanlon, John H., Somerville, and W. J. Hanlon, Fitchburg, Mass. Drifting valve for locomotives. 1,658,083; Feb. 7.
- Hanlon, William J. (See Hanlon, John H. and W. J.)
- Hanly, James E., Uniontown, Pa. Radio tube socket. 1,671,284; May 29.
- Hann, Albert G., assignor to Electrol, Inc., of Missouri. St. Louis, Mo. Compensating thermostatic device. 1,656,706; Jan. 17.
- Hann, William E. (See Gits, Remi J., assignor.)
- Hanna, Charles T., Rugby, England, assignor to General Electric Company. Switch contact. 1,673,746; June 12.
- Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone instrument. 1,682,505; Aug. 28.
- Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Microphone circuit. 1,687,665; Oct. 16.
- Hanna, Clinton R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrodynamic signal device. 1,691,243 Nov. 13.
- Hanna, David B., Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cage-making machinery. 1,664,211; Mar. 27.
- Hanna Engineering Works. (See Gates, Philetus W., assignor.)
- Hanna Engineering Works. (See Hanna, John C., assignor.)
- Hanna, Frank J., Shelby, assignor of one-half to J. M. and P. M. Kay, Townsend, Mont. Permutation lock. 1,670,448; May 22.
- Hanna, G. Dallas, assignor to Associated Oil Company, San Francisco, Calif. Obtaining data in earth bores. 1,665,058; Apr. 3.
- Hanna, Henry C., Marietta, Ohio. Combination metal bracket. 1,665,782; Apr. 10.
- Hanna, Howard M. (See Grant, R. F., Richards, and Wetherbee, assignors.)
- Hanna, Howard M., et al. (See Wetherbee, Herbert E., assignor.)
- Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Delay valve. 1,656,730; Jan. 17.
- Hanna, John C., Evanston, assignor to Hanna Engineering Works, Chicago, Ill. Suspension mechanism. 1,662,856; Mar. 20.
- Hanna, John P., Chicago, Ill. Dispensing package. 1,671,285; May 29.
- Hanna, M. A., Company, The. (See Worthington, Edward B., assignor.)
- Hanna, Max R., Erie, Pa., assignor to General Electric Company. Electric protective device. 1,657,258; Jan. 24.
- Hanna, Max R., Erie, Pa., assignor to General Electric Company. Brush for dynamo-electric machines. 1,658,677; Feb. 7.
- Hanna, Richard W., Piedmont, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Distilling petroleum oil. 1,655,603; Jan. 10.
- Hanna, Richard W., Piedmont, Calif., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Controlling the destructive distillation of petroleum oil. 1,658,241; Feb. 7.
- Hanna, Richard W., Piedmont, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Distilling lubricating oils. 1,664,977; Apr. 3.
- Hanna, Walter C., and A. Huff, Dufur, Oreg. Weeder attachment for harrows. 1,656,788; Jan. 17.
- Hannaford, Cleon M., Richmond, Va. Retaining-valve bracket. 1,673,980; June 19.
- Hannaford, Cleon M., assignor to Car Devices Company, Richmond, Va. Combined striking casting and front draft lug. 1,693,295; Nov. 27.
- Hannah, Arthur W., San Francisco, Calif. Brake mechanism. 1,655,366; Jan. 3.
- Hannah, Gavin, Paterson, N. J. Shedding mechanism. 1,660,963; Feb. 28.
- Hannah, Jefferson D., Fayetteville, Ark. Window-shade and lace-curtain support. 1,682,079; Aug. 28.
- Hannan, George R. (See Petrie, E. J., and Hannan.)
- Hannan, James W., Coffeyville, Kans. Air-pump stroke and pressure indicator. 1,664,557; Apr. 3.
- Hannan, John R., Shortlands, England, and W. E. English, Bishopston, South Wales. Superheater and boiler combination. 1,677,081; July 10.
- Hannauer Car Retarder Company, The. (See Wenzel, Karl E., assignor.)
- Hannes, Ralph. (See Hannes, Trygve S. and R.)
- Hannes, Trygve S. and R., San Diego, Calif. Wrench. 1,686,376; Oct. 2.
- Haney, Angus F., assignor to Gammell-Haney Mfg. Co., Chicago, Ill. Sorting machine. 1,683,249; Sept. 4.
- Hanning, Chester R., North Bend, Oreg. Hack-saw frame. 1,657,748; Jan. 31.
- Hannon, Lawrence W., Ironton, Ohio. Combined gravity and vacuum steam trap. 1,672,759; June 5.
- Hanoq, Charles, Brussels, Belgium. Two-cycle multicylinder internal-combustion engine. 1,656,581; Jan. 17.
- Hanon, Cyrus E., St. Louis, Mo. Gasoline gauge. 1,678,115; July 24.
- Hanovia Chemical & Manufacturing Company. (See George, Henri, assignor.)
- Hanovia Chemical and Mfg. Co. (See Heintze, Conrad, assignor.)
- Hanovia Chemical and Manufacturing Company. (See Robinson, F. W., and Knapp, assignors.)
- Hans, Edmund E., and R. Henry, Detroit, Mich., assignors to W. M. Scott, Lakewood, and R. E. Tresise, Cleveland Heights, Ohio. Gauge. 1,685,916; Oct. 2.
- Hans, Henry M., Fordyce, Nebr. Automatic centrifugal switch. 1,664,362; Mar. 27.
- Hans, Thomas, assignor to Container Corporation of America, Chicago, Ill. Sizing paper. 1,662,641; Mar. 13.

- Hans, Thomas, assignor to Container Corporation of America, Chicago, Ill. Finishing and coloring paper and paper made thereby. 1,685,917; Oct. 2.
- Hansard, Charles S., and A. E. Netzel, Avant, Okla. Air and gas cleaner. 1,691,971; Nov. 20.
- Hansard, Hugh H., Montreal, Quebec, Canada. Fuel briquette and making same. 1,675,266; June 26.
- Hanse, Matthew A., Barnesville, Ohio. Plate or similar article. Des. 75,974; Aug. 7.
- Hansel, John J., Fremont, Mich. Vise. 1,672,808; June 5.
- Hansen, A. L., Manufacturing Company. (See Hansen, Augie L., assignor.)
- Hansen, Albert, and M. J. Torp, Harlan, Iowa. Governor for explosive engines. 1,678,219; July 24.
- Hansen, Albert E., Chicago, Ill. Radio receiving set cabinet. Des. 75,841; July 24.
- Hansen, Alfred T., Green Bay, Wis. Excavating machine. 1,658,717; Feb. 7.
- Hansen, Arnold A. (See Shackleton, S. P., and Hansen.)
- Hansen, Arthur, and L. Gaarder, Skotselven, Norway. Splint catcher. 1,663,699; Mar. 27.
- Hansen, Arthur E., assignor to Young Iron Works, Seattle, Wash. Truck-body hoist. 1,668,203; May 1.
- Hansen, Augie L., assignor to H. S. Strauss, Chicago, Ill. Filter unit and making same. 1,676,024; July 3.
- Hansen, Augie L., Chicago, assignor to A. L. Hansen Manufacturing Company, Cook County, Ill. Display stand. 1,679,082; July 31.
- Hansen, August E., New York, N. Y., and A. C. Ruger, Wollaston, Mass. Paper-mill sludge composition. 1,668,961; May 8.
- Hansen, Bertram, and P. J. Ramion, Syracuse, N. Y. Ham-curing device. 1,684,865; Sept. 18.
- Hansen Canning Machinery Corporation. (See Hansen, Oswald H., assignor.)
- Hansen, Carl, Esbjerg, and P. Leth, Copenhagen, Denmark; said Leth assignor to said Hansen. Vane for fishery. 1,683,668; Sept. 11.
- Hansen, Carl, Esbjerg, and P. Leth, Copenhagen, Denmark; said Leth assignor to said Hansen. Combined seine net and bottom dragnet with trapping wings. 1,692,830; Nov. 27.
- Hansen, Charles C., Forest Park, Ill. Fluid-pressure-operated electric switch. 1,688,866; Oct. 23.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer for submarine hammer drills. 1,656,707; Jan. 17.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,656,708; Jan. 17.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,658,984; Feb. 14.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Broaching tool. 1,660,507; Feb. 28.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Broaching tool. 1,664,623; Apr. 3.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Guide for broaching tools. 1,665,496; Apr. 10.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,665,497; Apr. 10.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel guide for submarine drills. 1,668,559; May 8.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,669,466; May 15.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary drill. 1,670,808; May 22.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Trench digger. 1,681,536; Aug. 21.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pneumatic charging device. 1,689,778; Oct. 30.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,691,570; Nov. 13.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel guide for submarine drills. 1,691,715; Nov. 13.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mud guard for submarine drills. 1,692,440; Nov. 20.
- Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Chuck for crank handles. 1,694,380; Dec. 11.
- Hansen, Charles P., Evan, Minn. Radio dial escutcheon plate. Des. 76,345; Sept. 18.
- Hansen, Christian, Woodliff, N. J. Interchangeable sign or bulletin board. 1,677,919; July 24.
- Hansen, Christian L., Charles City, Iowa. Sectional pipe, conduit, or culvert unit. 1,683,544; Sept. 4.
- Hansen, Christian S., Medford, Mass. Snubber. 1,671,675; May 29.
- Hansen, Christian W., assignor to Zenith Radio Corporation, Chicago, Ill. Radio receiving system. 1,670,149; May 15.
- Hansen, Conrad T., Detroit, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa. Car-seat construction. 1,663,126; Mar. 20.
- Hansen, Conrad T., assignor to American Motor Body Corporation, Philadelphia, Pa. Vehicle body construction. 1,669,826; May 15.
- Hansen, Conrad T., Detroit, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa. Vehicle body construction. 1,674,394; June 19.
- Hansen, Conrad T., and A. B. Bell, assignors to The American Motor Body Corporation, Philadelphia, Pa. Car seat. 1,696,536; Dec. 25.
- Hansen, Edmund H., Metuchen, N. J. Light-dimmer rheostat. 1,660,161; Feb. 21.
- Hansen, Emil J., Green Bay, Wis. Paper-dispensing cabinet. 1,656,913; Jan. 24.
- Hansen, Emil J., assignor to Fort Howard Paper Company, Green Bay, Wis. Folded sheets of material. 1,681,611; Aug. 21.
- Hansen, Emil J., assignor to Fort Howard Paper Company, Green Bay, Wis. Sheet of folded material. 1,681,639; Aug. 21.
- Hansen, Ernest G. (See Sterk, W. E., and Hansen.)
- Hansen, Fred E., Lakewood, assignor to The Hansen Manufacturing Company, Cleveland, Ohio. Nozzle. 1,664,816; Apr. 3.
- Hansen, Fred E., Lakewood, assignor to The Hansen Manufacturing Company, Cleveland, Ohio. Inflating valve. 1,676,777; July 10.
- Hansen, Frederick D., and H. W. Tinker, assignors to Federal Pressed Steel Company, Milwaukee, Wis. Brake drum and liner. 1,678,777; July 31.
- Hansen, Gustav, Victoria, British Columbia, Canada. Ship rat guard. 1,683,615; Sept. 11.
- Hansen, Hans C. (See Reimer, Jorgen A., assignor.)
- Hansen, Harold N., Highland, assignor to Henry Giessel Company, Chicago, Ill. Ventilator. 1,691,283; Nov. 13.
- Hansen, Henry, Bisbee, Ariz. Triple valve. 1,663,837; Mar. 27.
- Hansen, Jacob M., assignor to Hartmann-Malcolm Company, Chicago, Ill. Settee frame or similar article. Des. 76,749; Oct. 30.
- Hansen, Jakobi, assignor of one-fourth to E. G. Wilson, one-fourth to M. I. Wilson, and one-fourth to E. E. Wilson, Napa, Calif. Air-tight sealing device for cans. 1,660,296; Feb. 21.
- Hansen, John, Bettendorf, assignor, by mesne assignments, of twenty-five-and-one-third one-hundredths to W. H. Martin, forty-nine-and-one-third one-hundredths to T. S. Cunningham, and one-and-one-third one-hundredths to T. McQuarrie, Davenport, Iowa. Mechanical golf instructor and exerciser. 1,670,409; May 22.
- Hansen, John, Milltown, Mont. Fishing and retrieving otter. 1,678,593; July 24.
- Hansen, Klaus L., Milwaukee, Wis. Dynamo-electric machine. 1,694,062; Dec. 4.
- Hansen, Klaus L., and W. J. Oesterlein, Milwaukee, Wis. Self-starting induction motor. 1,694,061; Dec. 4.
- Hansen, Klaus L., and W. J. Oesterlein, assignors of one-third to Northwestern Manufacturing Company, Milwaukee, Wis. Forming and welding end rings for rotor bars. 1,692,407; Nov. 20.
- Hansen, Louis, Calgary, Alberta Canada. Chain-fastening device. 1,686,447; Oct. 2.
- Hansen, Mads P., assignor to A. M. Nelson, Oakland, Nebr. Resilient seat support. 1,668,014; May 1.
- Hansen Manufacturing Company, The. (See Hansen, Fred E., assignor.)
- Hansen, Marius H., assignor to Hanson Brothers Scale Company, Chicago, Ill. Platform scale. 1,660,838; Feb. 28.
- Hansen, Marius H., assignor to Hanson Brothers Scale Company, Chicago, Ill. Scale mechanism. 1,682,506; Aug. 28.
- Hansen, Omar A., Green Bay, Wis. Display case. 1,689,134; Oct. 23.
- Hansen, Oswald H., Port Washington, Wis., assignor to Hansen Canning Machinery Corporation. Can-filling machine. 1,654,875; Jan. 3.
- Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Port Washington, Wis. Can-filling machine. 1,666,930; Apr. 24.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Can-filling machine. 1,666,931; Apr. 24.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Apparatus for facilitating the treatment of corn. 1,666,932; Apr. 24.
- Hansen, Oswald H., Milwaukee, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Corn silker. 1,666,933; Apr. 24.
- Hansen, Oswald H., assignor to Hansen Canning Machinery Corporation, Port Washington, Wis. Can washer. 1,677,443; July 17.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Beet topper. 1,677,444; July 17.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Beet topper. 1,696,398; Dec. 25.
- Hansen, Oswald H., Port Washington, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Process of and apparatus for treating fruit. 1,696,399; Dec. 25.

- Hansen, Peter V., Salem, S. Dak. Engine-cooling fan. 1,685,323; Sept. 25.
- Hansen, Raymond, Cudahy, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing. 1,678,042; July 24.
- Hansen, Raymond, Cudahy, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bag inserter. 1,696,843; Dec. 25.
- Hansen, Sinius M. (See Johnson, L. E., Hansen, and McTarnahan.)
- Hansen, Sinius M., assignor to A T Oil Burner Co., Lynn, Mass. Fuel-cut-off means for power-operated liquid-fuel-burning apparatus. 1,672,213; June 5.
- Hansen, Sinius M., assignor, by mesne assignments, to A T Oil Burner Co., Lynn, Mass. Pilot for liquid-fuel-burning apparatus. 1,686,855; Oct. 9.
- Hansen, Theodore N., Seattle, Wash. Attachment for reproducing devices. 1,661,286; Mar. 6.
- Hansen, Theodore N., Seattle, Wash. Pocket folding stool. 1,677,339; July 17.
- Hansen, Victor E., et al. (See Crown, William F., assignor.)
- Hansen, Wesley J., et al. (See Fischer, Joseph C., assignor.)
- Hanses, John W., Chicago, Ill. Vehicle towing device. 1,695,096; Dec. 11.
- Hanshe, Irving, Brooklyn, N. Y. Box-covering machine. 1,692,831; Nov. 27.
- Hanson, Albert J., Arlington, assignor to American Metallurgical Corporation, Boston, Mass. Electric resistance furnace. 1,690,678; Nov. 6.
- Hanson, Albert J., Arlington, assignor to American Metallurgical Corporation, Boston, Mass. Pot furnace. 1,694,416; Dec. 11.
- Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Gauge. 1,661,722; Mar. 6.
- Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Grinding machine. 1,676,643; July 10.
- Hanson, Bengt M. W., deceased, Hartford, by E. A. Hanson, West Hartford, and C. E. Whitney, Hartford, Conn., executors, now by resignation E. A. Hanson, sole executor. V rest for knife edges. 1,686,377; Oct. 2.
- Hanson, Bengt M. W., deceased, by C. E. Whitney and E. A. Hanson, executors, Hartford, Conn., now by resignation E. A. Hanson, sole executor. Machine for grinding fluted tools. 1,687,725; Oct. 16.
- Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson, executor. Metal-working machine. 1,689,135; Oct. 23.
- Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson, executor. Machine for grinding gears. 1,693,781; Dec. 4.
- Hanson, Bennie P., Cedar Falls, assignor to E. L. Moore, Waterloo, Iowa. Trunk and luggage carrier. 1,691,804; Nov. 13.
- Hanson Brothers Scale Company. (See Hanson, Marius H., assignor.)
- Hanson, Carl H., Hudson Heights, N. J. Drill bit. 1,666,898; Apr. 24.
- Hanson, C. H., Company, The. (See Borresen, Helge A., assignor.)
- Hanson, Edward C., and B. E. Hallquist, assignors to O. B. McClintock Company, Minneapolis, Minn. Entrance door for a depository. Des. 75,842; July 24.
- Hanson, Edward H., Elkhart, Ind., assignor to Elkhart Brass Manufacturing Company. Hose rack. 1,658,793; Feb. 14.
- Hanson, Einar A., et al., executors. (See Hanson, Bengt M. W.)
- Hanson, Einar A., executor. (See Hanson, Bengt M. W.)
- Hanson, Haakon P., assignor to Olson Manufacturing Company, Albert Lea, Minn. Water bowl for stock. 1,663,340; Mar. 20.
- Hanson, Hans C., Albert Lea, Minn. Stove with float-operated shut-off valve. 1,663,700; Mar. 27.
- Hanson, Hans E., Minneapolis, Minn., assignor to The Celotex Company, Chicago, Ill. Plaster board. Re-17,007; June 26.
- Hanson, Hans P., Chicago, Ill. Flowerpot handle structure. 1,657,749; Jan. 31.
- Hanson, Hans P., Chicago, Ill. Flowerpot holder. 1,693,896; Dec. 4.
- Hanson, Hans P., and V. F. Bergman, Chicago, Ill. Wreath support. 1,657,750; Jan. 31.
- Hanson, Harry C., St. Paul, Minn. Coveralls. 1,682,785; Sept. 4.
- Hanson, Herman, La Crosse, Wis. Dispensing device. 1,659,199; Feb. 14.
- Hanson, Herman C., Los Angeles, Calif. Extension table. 1,676,025; July 3.
- Hanson, James, Sunnyvale, and E. F. Lee, Locke, Calif., assignors to Libby, McNeil & Libby. Differentiating uncooked and cooked cans of foodstuffs. 1,668,767; May 8.
- Hanson, John P., Butte, Mont. Signal for automobiles. 1,656,821; Jan. 17.
- Hanson, John P., Butte, Mont. Signal for automobiles. 1,687,065; Oct. 9.
- Hanson, Malcolm P., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Communication system. 1,692,118; Nov. 20.
- Hanson, Miles G., assignor to The Dura Company, Toledo, Ohio. Connection between closures and control arms of window regulators. 1,683,459; Sept. 4.
- Hanson, Nathan E. (See Long, W. B., and Hanson.)
- Hanson, Nathan E., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,679,357; Aug. 7.
- Hanson, Oscar B., Dickinson, N. Dak. Collapsible case. 1,690,294; Nov. 6.
- Hanson, Ossian B. N., Warren, Ohio. Kaleidoscope. 1,662,743; Mar. 13.
- Hanson, Peter E., Galveston, Tex. Tractor trailer. 1,675,267; June 26.
- Hanson, Sigvort, assignor, by mesne assignments, to Racine Dispenser Manufacturing Company, Racine, Wis. Dispensing machine. 1,659,772; Feb. 21.
- Hanson, Swan. (See Olson, Anders, assignor.)
- Hanson & Van Winkle Company, The. (See Hall, Wesley F., assignor.)
- Hansson, Andrew, Brooklyn, N. Y. Ice tray. 1,665,456; Apr. 10.
- Hansson, Soren, Butler, Pa. Friction draft gear. 1,686,612; Oct. 9.
- Hanton, Henry H., Lancaster, Pa. Self-aligning key-guide for locks. 1,674,595; June 19.
- Hanzlik, Henry J., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine. 1,696,002; Dec. 18.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,656,435; Jan. 17.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Predetermined-weight scale. 1,663,983; Mar. 27.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Cylinder scale. 1,667,889; May 1.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Indicating device. 1,667,890; May 1.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,667,891; May 1.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,671,286; May 29.
- Hapgood, Clarence H., Toledo, Ohio. Safety razor. 1,672,028; June 5.
- Hapgood, Clarence H., assignor, by mesne assignments, to The C. H. C. Co., Toledo, Ohio. Thermostatic regulator. 1,677,340; July 17.
- Hapgood, Clarence H., assignor, by mesne assignments, to The C. H. C. Co., Toledo, Ohio. Heat regulator. 1,681,640; Aug. 21.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Vacuum pump. 1,684,395; Sept. 18.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Controlling the feed of gasoline engines. 1,694,469; Dec. 11.
- Haptograph, Inc. (See Beechly, John T., assignor.)
- Hara, Shoyemon, Wakayama Ken, Japan. Apparatus for sinking down bridge piers. 1,672,936. June 12.
- Harader, Quinter, Tacoma, Wash. Fireplace screen. 1,659,526; Feb. 14.
- Harbeck, Frank M., assignor of one-half to National Fruit Product Company, Inc., Alexandria, Va. Cider press. 1,659,733; Feb. 21.
- Harber, Laurence S., assignor to Joseph Baker Sons & Perkins Company, Inc., White Plains, N. Y. Dough treating. 1,666,647; Apr. 17.
- Harber, Laurence S., White Plains, N. Y., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Air-cooling means for mixing devices. 1,686,967; Oct. 9.
- Harber, Laurence S., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Pan-greasing machine. 1,686,968; Oct. 9.
- Harbert, Victor H., assignor to E. Payson Smith, Springfield, Ill. Safety device for railroad-car brake beams. 1,679,420; Aug. 7.
- Harbin, Hal H. (See White, Joseph H., assignor.)
- Harbin, Zeddie L., assignor of one-half to E. Frohman, Gastonia, N. C. Churn. 1,655,367; Jan. 3.
- Harbin, Zeddie L., assignor of one-half to E. Frohman, East Gastonia, N. C. Tensioning device. 1,655,368; Jan. 3.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Co., Lima, Ohio. Cast-steel tender frame. 1,659,361; Feb. 14.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Side-frame structure. 1,686,085; Oct. 2.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Locomotive equalizer rigging. 1,688,419; Oct. 23.
- Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Six-wheel truck. 1,689,025; Oct. 23.
- Harbison-Walker Refractories Company, The. (See Oeffner, Abiram A., assignor.)
- Harbison-Walker Refractories Company. (See Reif, Otto M., assignor.)
- Harbst, Frederick J., South Euclid, assignor of one-half to W. Num, Cleveland, Ohio. Mechanical toy. 1,658,636; Feb. 7.
- Harcourt, Clyde L., Seattle, Wash. Mechanical manikin. 1,685,358; Sept. 25.

- Hard, Malcolm. Flushing, assignor to The Superheater Company, New York, N. Y. Injector. 1,659,686; Feb. 21.
- Hardage, Lewie W., Nashville, Tenn. Thigh protector or guard for football players. 1,659,100; Feb. 14.
- Hardaway, Sidney M. (See Lawrence, F. P., and Hardaway.)
- Hardcastle, Harry, Wellington, New Zealand. Tuned circuits of wireless apparatus. 1,658,718; Feb. 7.
- Hardee, George W., Jacksonville, Fla. Display container. 1,662,744; Mar. 13.
- Harden, Ralph L., assignor to The Mason Box Company. Attleboro Falls, Mass. Mailing box. 1,686,449; Oct. 2.
- Harden, Thomas H., Dawson, Ga. Grader. 1,674,110; June 19.
- Harden, Walter, Cincinnati, Ohio. Sound-wave transmitting and amplifying device. 1,677,632; July 17.
- Hardenstein, Helion D., Oklahoma City, Okla. Game. 1,666,448; Apr. 17.
- Harder, Delmar S., and F. W. Vrooman, assignors to Durant Motor Co., Oakland, Calif. Mounting means for vehicle engines. 1,696,602; Dec. 25.
- Harder, Frank, Huntington Beach, assignor to Dunn Manufacturing Company, Oxnard, Calif. Well apparatus. 1,656,582; Jan. 17.
- Harder Refrigerator Corporation. (See Kilbourne, Charles E., assignor.)
- Hardesty, Francis D., Dayton, Ohio. Snap fastener. 1,654,806; Jan. 3.
- Hardesty, Francis D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Controlling device. 1,690,839; Nov. 6.
- Hardesty, Llewellyn C., Scotia, N. Y., assignor to General Electric Company. Automatic motor starter. 1,685,671; Sept. 25.
- Hardesty, R., Manufacturing Company, The. (See Barnard, Russell E., assignor.)
- Hardesty, Shortridge, Larchmont, assignor to Waddell & Hardesty, New York, N. Y. Counterbalancing means for lift bridges. 1,673,358; June 12.
- Hardesty, Shortridge, Larchmont, assignor to Waddell & Hardesty, New York, N. Y. Counterweight apparatus for lift bridges and the like. 1,673,359; June 12.
- Hardey, Edwin F., Kansas City, Mo. Manicuring device. 1,654,807; Jan. 3.
- Hardey, Edwin F., Kansas City, Mo. Razor-blade holder. 1,654,808; Jan. 3.
- Hardie, John C., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-positioning device. 1,682,040; Aug. 28.
- Hardie, Robert W., Fanwood, N. J. Air humidifier. 1,674,469; June 19.
- Hardiman, James S., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Screw-cap closure. 1,667,003; Apr. 24.
- Hardiman, James S., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Uncapping tool. 1,676,648; July 10.
- Hardin, Frank H., Bronxville, N. Y. Car construction. 1,686,748; Oct. 9.
- Harding, Albert M., assignor to Flash Radio Corporation, Boston, Mass. Radio receiving apparatus. 1,680,042; Aug. 7.
- Harding, Clyde R., Council Bluffs, Iowa. Ladder rung. 1,658,637; Feb. 7.
- Harding, Clyde R., Council Bluffs, Iowa. Flying horse. 1,692,655; Nov. 20.
- Harding, Dana E., Melrose, assignor to Harding-Walcott Company, East Boston, Mass. Weighting machine. 1,660,038; Feb. 21.
- Harding, Dana E., Melrose, assignor to Harding Engineering Company, East Boston, Mass. Electrical area-measuring device. 1,688,308; Oct. 16.
- Harding, Earle A. (See Brown, M. J., and Harding.)
- Harding Engineering Company. (See Baker, Burton L., assignor.)
- Harding Engineering Company. (See Harding, Dana E., assignor.)
- Harding Engineering Company. (See Toohey, Frank, assignor.)
- Harding Engineering Company. (See Wright, Wallace C., assignor.)
- Harding, Frank E., assignor to Arlington Mills, Lawrence, Mass. Bobbin winder. 1,663,594; Mar. 27.
- Harding, Frank E., assignor to Arlington Mills, Lawrence, Mass. Slub catcher and tension for doubling machines. 1,666,565; Apr. 17.
- Harding, Fred L., Glendale, Calif. Cleaning and extracting machine. 1,691,113; Nov. 13.
- Harding, Howard J., Paris, France. Carburetor. 1,692,299; Nov. 20.
- Harding, John A., Maricopa, Calif. Spider having mechanically-operated pipe slips. 1,685,284; Sept. 25.
- Harding, Leonard H., Brooklyn, N. Y. Liquid-level control. 1,695,846; Dec. 18.
- Harding, Ray O., assignor of one-half to J. P. Corley, Rockford, Ill. Menu-card holder. 1,692,038; Nov. 20.
- Harding, Thomas, Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Corkscrew. 1,680,291; Aug. 14.
- Harding-Walcott Company. (See Harding, Dana E., assignor.)
- Hardinge Brothers, Inc. (See Hardinge, Franklin, assignor.)
- Hardinge, Franklin, assignor to Hardinge Brothers, Inc., Chicago, Ill. Oil burner. 1,674,247; June 19.
- Hardison, Edwin A., Los Angeles, assignor of one-fourth to H. M. Miller and one-fourth to E. D. Stuart, Santa Paula, Calif. Internal-expanding brake. 1,658,288; Feb. 7.
- Hardley, Frank J., Los Angeles, Calif. Pulley. 1,687,442; Oct. 9.
- Hardman, Albert H., Wheeling, W. Va. Push-button switch. 1,664,682; Apr. 3.
- Hardman, Frederick J., assignor to Delco-Light Company, Dayton, Ohio. Domestic appliance. 1,681,404; Aug. 21.
- Hardman, Peck & Co. (See Bukow, Reinhold, assignor.)
- Hardman, Wilbert H., Morrison, Okla. Oil-well swab-tripping device. 1,654,686; Jan. 3.
- Hardman, William, Hamilton, Ontario, Canada. Even-rotation-controlled combined drive between finishing lapper and hopper feeder. 1,664,411; Apr. 3.
- Hardos, George, Dunmore, Pa. Battery-terminal clamp. 1,677,445; July 17.
- Hardsoc, Lester C., assignor to Hardsoc Manufacturing Company, Ottumwa, Iowa. Drill boxing. 1,684,351; Sept. 11.
- Hardsoc Manufacturing Company. (See Hardsoc, Lester C., assignor.)
- Hardsoc Wonder Drill Company. (See Smith, George W., assignor.)
- Hardtke, Edward J., assignor to Seaman Body Corporation, Milwaukee, Wis. Door. 1,676,496; July 10.
- Hardtmann, Max. (See Hentrich, W., and Hardtmann.)
- Hardwick & Magee Company. (See Oakley, Alfred, assignor.)
- Hardwick & Magee Company. (See Williams, Noble W., assignor.)
- Hardy, Albert T. R., Atlanta, Ga. Automobile radiator cap. Des. 76,018; Aug. 14.
- Hardy, Bertha A. (See Hardy, Rufus L., assignor.)
- Hardy, Charles, assignor to Amsco Products, Inc., New York, N. Y. Multiple variable air condenser. 1,657,259; Jan. 24.
- Hardy, Charles R., Mount Vernon, assignor to The Superheater Company, New York, N. Y. Liquid-measuring device. 1,680,103; Aug. 7.
- Hardy, Elbert C., Ludington, Mich., and P. J. Morales, Chicago, Ill., assignors to Arkell Safety Bag Company, New York, N. Y. Lining tubular containers. 1,692,986; Nov. 27.
- Hardy, L. P., Co. (See Hardy, Wade L., assignor.)
- Hardy, Peter. (See Thomson, J. M., and Hardy.)
- Hardy, Ralph P., Ocean Springs, Miss. Nut grader and sorter. 1,696,086; Dec. 18.
- Hardy, Rufus L., assignor to B. A. Hardy, Omaha, Neb. Medicine for hogs. 1,658,719; Feb. 7.
- Hardy, Wade L., assignor to L. P. Hardy Co., South Bend, Ind. Mailing and display carton. 1,682,963; Sept. 4.
- Hare, Christopher E., Rochester, Minn. Suprapublic siphon. 1,696,763; Dec. 25.
- Hare, Donald C., assignor to International Reduction Company, Denver, Colo. Treating ores. 1,657,622; Jan. 31.
- Hare, Jacob, Chicago, Ill. Metal store front. 1,671,029; May 22.
- Hare, Lawrence V., Jersey City, N. J., assignor to Continental Can Company, Inc., Syracuse, N. Y. Air pump for spraying devices. 1,682,174; Aug. 28.
- Hare, Wilfred A., Detroit, Mich. Furnace stoker. 1,689,202; Oct. 30.
- Harelik, Ely W., Detroit, Mich. Expansible brake. 1,680,986; Aug. 14.
- Harer, George W., and J. J. Burri, Chicago, Ill. Grain-car door. 1,664,978; Apr. 3.
- Hargadon, John F., South Boston, Mass. Ash sifter. 1,662,606; Mar. 13.
- Hargett, George W. (See Younkman, J., and Hargett.)
- Hargis, Vache A., El Reno, Okla. Badge. Des. 74,368; Feb. 7.
- Hargraff, Stuart A., Chicago, Ill. Wick device for cigar and other lighters. 1,662,058; Mar. 13.
- Hargrave, Fred W., South River, N. J. Door. 1,680,987; Aug. 14.
- Hargrave, John M., Cincinnati, Ohio. Clamp. 1,656,325; Jan. 17.
- Hargreaves, William, West Didsbury, Manchester, assignor of one-half to R. L. Ross and Company Limited, Stockport, England. Safety valve. 1,665,850; Apr. 10.
- Hargrove, Orlando P., and M. Fitzpatrick, Wayland, N. Y. Loom reel. 1,686,448; Oct. 2.
- Hargrove, William W., et al., executors. (See Bentley, G. H., and Appleby.)
- Harke, Max, Frankfurt-on-the-Main, Germany. Starting crank for explosion engines locked against back rotation. 1,656,062; Jan. 10.
- Harker, Ferris P., Bridgeport, Conn. Combination kitchen utensil. 1,684,622; Sept. 18.
- Harker, O. A., Jr. (See Mix, T. C., and Miller, assignors.)
- Harkin, James P., Thornbury, Australia. Molding rubber draining boards for sinks. 1,688,232; Oct. 16.
- Harkins, Thomas, Minneapolis, and N. Olson, St. Paul, Minn. Runner attachment for vehicles. 1,657,925; Jan. 31.
- Harkless, Merl J., Homewood, Ill. Cigarette lighter. 1,664,857; Apr. 3.
- Harkort, Hermann, Berlin-Tegel, Germany. Apparatus for determining the degree of fineness of pulverulent or fine granular masses by means of suspension. 1,667,783; May 1.
- Harlan, Glen W. (See Ross, G. D., and Harlan.)

- Harlan, James M., Dayton, Wash. Harrow attachment. 1,666,778; Apr. 17.
- Harlan, Harold C. and W. J. Zimmerman, Dayton, Ohio. Display window. 1,689,872; Oct. 30.
- Harland, Hervey D. (See Johnson, C. A., and Harland.)
- Harley-Davidson Motor Company. (See Harley, W. S., and Constantine, assignors.)
- Harley, John H., Detroit, Mich. Automatic air stabilizer. 1,669,828; May 15.
- Harley, William S., and A. R. Constantine, assignors to Harley-Davidson Motor Company, Milwaukee, Wis. Cycle support. 1,675,551; July 3.
- Harloff, Bernard C., Richmond Hill, N. Y. Reinforced-concrete slab. 1,682,726; Aug. 28.
- Harm, Rudolf, Berlin-Schöneberg, Germany. Suspension device for wall charts. 1,692,502; Nov. 20.
- Harman, Frank B., assignor to Simmons Company Kenosha, Wis. Flexible panel. 1,691,604; Nov. 13.
- Harman, George H. (See Symmes, W., Harman, and Duval.)
- Harman, William H., assignor of one-half to H. H. Grizzard, Nashville, Tenn. Slicer. 1,680,988; Aug. 14.
- Harnes, Edward, Wilkesburg, Pa., assignor to New Process Multi-Castings Company. Molding machine. 1,695,921; Dec. 18.
- Harmon, Edwin L. (See Ely, A. B. and Harmon.)
- Harmon, James E., et al. (See Rodgers, Ralph S., assignor.)
- Harmon, Kenneth R., Norfolk, Va. Transmission mechanism. 1,663,838; Mar. 27.
- Harmon, Louis B., Philadelphia, Pa. Motor-vehicle-license clamp. 1,668,962; May 8.
- Harmon, Mary Y., Laguna Beach, Calif. Batik-frame support. 1,680,610; Aug. 14.
- Harmon, Ralph M. (See Burgener, C. B. and Harmon.)
- Harmouth, Gust, Yale, Okla. Coin card. 1,660,750; Feb. 28.
- Harmouth, Gust, Yale, Okla. Envelope. 1,669,750; May 15.
- Harmouth, Gust, Yale, Okla. Coin card. 1,683,971; Sept. 11.
- Harms, Johannes F. K., Amsterdam, assignor to Jonkheer Meester Doctor Jelle Roelof Clifford Kocq van Breugel, Driebergen, Netherlands. Arc welding system. 1,684,317; Apr. 11.
- Harnapp, Adolf K. F., assignor to Harnapp Company, Inc., West New York, N. J. Lace trimming for doily or the like. Des. 74,219; Jan. 10.
- Harnapp Company. (See Harnapp, Adolf K. F., assignor.)
- Harne, Oliver G., Baltimore, Md. Laboratory table. 1,686,234; Oct. 2.
- Harned, George T., Nichols, Fla., assignor to The Phosphate Mining Company, New York, N. Y. Treating phosphate rock. 1,671,765; May 29.
- Harner, John E., Dodge City, Kans. Child's toy. 1,666,878; Apr. 17.
- Harness, William E., Bloomington, Ill. Golf club. 1,677,099; July 10.
- Harney, Emmet T., Garwood, N. J. Variable line spacer. 1,657,892; Jan. 24.
- Harnischfeger Corporation. (See Henricks, A. G., and Mitchell, assignors.)
- Harnischfeger Corporation. (See Lexa, George J., assignor.)
- Harnly, David H., Chicago, Ill. Weather strip. 1,685,324; Sept. 25.
- Harnly, David H., Chicago, Ill. Weatherproofing structure. 1,687,666; Oct. 16.
- Harnberger, Audley E., Columbus, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Distilling oils. 1,666,597; Apr. 17.
- Harnsberger, Harry E., Brooklyn, assignor to Modern Management Corporation, New York, N. Y. Pocket wallet. 1,677,770; July 17.
- Harold, Edgar E. (See Harris, G., and Harold.)
- Harper Adjustable Guide Company. (See Harper, Elwood J., assignor.)
- Harper, Clarence F., Harper, Tex. Magneto-coil-aligning tool. 1,663,595; Mar. 27.
- Harper Electric Furnace Corporation. (See Fitz Gerald, F. A. J., and Kelleher, assignors.)
- Harper Electric Furnace Corporation. (See Kelleher, James, assignor.)
- Harper, Elwood J., assignor to Harper Adjustable Guide Company, Louisville, Ky. Adjustable guide for ruling machines. 1,662,384; Mar. 13.
- Harper, James G. (See Newman, S. F., and Harper.)
- Harper Manufacturing Co., The. (See Harper, Theodore B., assignor.)
- Harper, Philip S., Chicago, Ill. Gas burner. 1,664,508; Apr. 3.
- Harper, Philip S., Chicago, Ill. Gas-range burner. 1,664,509; Apr. 3.
- Harper, Philip S., Chicago, Ill. Gas-range burner. 1,676,898; July 10.
- Harper, Philip S., Chicago, Ill. Valve. 1,694,978; Dec. 11.
- Harper, Ray O., and R. C. Hitchin, Los Angeles, Calif. Sanitary toilet seat. 1,696,142; Dec. 18.
- Harper, Robert W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,678,185; July 24.
- Harper, Robert W. (See Haines, W. T., and Harper.)
- Harper, Samuel A., Jonesboro, La. Bar door lock. 1,693,481; Nov. 27.
- Harper, Solomon, assignor to C. L. Miller, New York, N. Y. Electrical hair-treating implement. 1,663,078; Mar. 20.
- Harper, Theodore B., assignor to The Harper Manufacturing Co., Inc., Hartford, Conn. Device for computing interest. 1,691,761; Nov. 13.
- Harper, William D., Waltham, Mass. Vehicle body support. 1,695,373; Dec. 18.
- Harpfer, Fred A., assignor to Central Glass Works, Wheeling, W. Va. Candy box. Des. 76,539; Oct. 9.
- Harpster, Clyde C., and W. R. King, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Heating unit. 1,667,857; May 1.
- Harpstrite, Augustus J., Los Angeles, Calif. Airship. Des. 77,001; Nov. 27.
- Harr, Forest D., Boulder, and J. Fallon, Fort Collins, Colo.; said Harr assignor to G. O. Ritcheson, Pendleton, Oreg. Wire-splicing-sleeve wrench. 1,683,887; Sept. 11.
- Harr, Karl, Horde, Germany. Sintered magnesite brick and making the same. 1,694,540; Dec. 11.
- Harrall, Edwin R. (See Mample A. Z., and Harrall.)
- Harralson, Edward, Washington, D. C. Machine for dispensing paper towels. 1,683,719; Sept. 11.
- Harred, George. (See Gollnick, P. A., Toolan, and Harred.)
- Harrell, Arthur C., Pensacola, Fla. Automatic train-pipe coupling. 1,667,033; Apr. 24.
- Harrell, Walter A., Richland, Kans. Kafir-corn header. 1,694,852; Dec. 11.
- Harrigan, Harold W., Medford, assignor to Hersey Manufacturing Company, South Boston, Mass. Method of and apparatus for treating starch. 1,693,649; Dec. 4.
- Harrigan, Herman R., Holyoke, assignor to E. D. Jones & Sons Co., Pittsfield, Mass. Jordan engine. 1,681,935; Aug. 28.
- Harrigan, John T., Plainfield, N. J. Circuit closer. 1,696,713; Dec. 25.
- Harrington, Alfred L., Carnegie, Pa., assignor to Pittsburgh Plate Glass Company. Sheet-surfacing apparatus. 1,671,718; May 29.
- Harrington, Alfred L., Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company. Driving mechanism for work spindles. 1,686,746; Oct. 9.
- Harrington, Bert G., Princeton, Ky., assignor of three-fourths to B. S. Mason, Eddyville, Ky. Punctureproof composition and making the same. 1,657,081; Jan. 24.
- Harrington, Bertie S., Fort Worth, Tex. Automatic door-operating mechanism. 1,667,731; May 1.
- Harrington, Edward L., assignor to G. H. Williams Company, Erie, Pa. Clamshell bucket. 1,657,926; Jan. 31.
- Harrington, Edward L., assignor to G. H. Williams Company, Erie, Pa. Floor scraper. 1,694,417; Dec. 11.
- Harrington, Elmora H., New Smyrna, Fla. Tobacco stick. 1,666,648; Apr. 17.
- Harrington, George F., Edgewood, and P. H. Brace, Wilkesburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. High-frequency induction furnace. 1,691,349; Nov. 13.
- Harrington, Sidney R., New Toronto, Ontario, Canada, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tube-deflating stand. 1,673,506; June 12.
- Harrington, Silvin G., Metz, Mo. Escape device for sunken submarines. 1,692,894; Nov. 27.
- Harrington, Terence S., Hatton, near Wragby, England. Pump. 1,662,029; Mar. 6.
- Harris Abattoir Company. (See Olsen, T., and May, assignors.)
- Harris, Archer H., Akron, Ohio. Vulcanizer. 1,666,649; Apr. 17.
- Harris, Augustus F., Clinton, Canada, assignor of one-half to S. Owen, Roseville, N. J. Circular-knitting machine. 1,669,296; May 8.
- Harris, Blaine H., assignor to Brown & Bigelow, St. Paul, Minn. Thermometer. 1,692,551; Nov. 20.
- Harris Calorific Company, The. (See Campbell, Lorn, Jr., assignor.)
- Harris Calorific Company, The. (See Harris, John, assignor.)
- Harris, Carl C., Orange, Mass. Stamp box. 1,684,318; Sept. 11.
- Harris, Carl C., Orange, Mass. Bathing float. 1,689,721; Oct. 30.
- Harris, Charles A., Coal Valley, and G. K. Roush, McKeesport, Pa. Advertising sign. 1,671,861; May 29.
- Harris, Clifford G., Binghamton, N. Y. Resilient support for vehicles. 1,659,292; Feb. 14.
- Harris, Delvin, S., Madera, Calif. Signal-flashing system. 1,655,787; Jan. 10.
- Harris, Elbert, Charlottesville, Va. Self-setting mouse and rat trap. 1,680,878; Aug. 14.
- Harris, Ernest C., Denver, Colo. Valve. 1,667,203; Apr. 24.
- Harris, Floyd E., Flint, Mich. Heat-controlling apparatus. 1,675,605; July 3.
- Harris, Ford W. (See Klems, Albert A., assignor.)
- Harris, Ford W., Los Angeles, Calif. Gas trap. 1,691,350; Nov. 13.
- Harris, Ford W., assignor to Emsco Derrick and Equipment Company, Los Angeles, Calif. Fluid-packed pump. 1,675,100; June 26.
- Harris, Frank L., Stockton, Calif. Motor-vehicle signal. 1,686,086; Oct. 2.

- Harris, George, and E. E. Harold, Pittsburgh, Pa. Anti-skid chain. 1,655,727; Jan. 10.
- Harris, Gordon D., Freeport, N. Y., assignor to The Industrial Dryer Corporation, Stamford, Conn. Conditioning shoes and analogous products. 1,667,315; Apr. 24.
- Harris, Gordon D., Freeport, N. Y., assignor to The Industrial Dryer Corporation, Stamford, Conn. Conditioning coated materials. 1,682,752; Sept. 4.
- Harris, Gustav L., St. Louis, Mo. Traffic signal. 1,682,753; Sept. 4.
- Harris, Harry A., Chicago, Ill. Window-washing machine. 1,662,887; Mar. 20.
- Harris, Henry, London, England. Separation of ingredients from an alkaline mixture containing oxysalt of arsenic and/or oxysalt of tin. 1,674,642; June 26.
- Harris, Henry J., Youngstown, Ohio. Device for preventing collection of grease on rolls. 1,684,581; Sept. 18.
- Harris, Howard C., Akron, Ohio. Pivotal connection. Re17,136; Nov. 13.
- Harris, Howard C., Akron, Ohio. Pivotal connection. 1,696,201; Dec. 25.
- Harris, Irvin F., Waxahachie, Tex. Rotary drill bit. 1,669,467; May 15.
- Harris, Isaac, Detroit, Mich. Spark plug. 1,666,853; Apr. 17.
- Harris, J. E., Company, The. (See Sutherland, George, assignor.)
- Harris, James E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,689,338; Oct. 30.
- Harris, Jason E., Howard, Kans. Variable compression and speed device. 1,691,284; Nov. 13.
- Harris, J. M., et al. (See Simpson, Arthur E., assignor.)
- Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,655,604; Jan. 10.
- Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Direct-current-metering system. 1,657,886; Jan. 31.
- Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity meter. 1,669,429; Feb. 14.
- Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,669,163; May 8.
- Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,692,656; Nov. 20.
- Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Totalizing mechanism. 1,696,087; Dec. 18.
- Harris, John, assignor to The Harris Calorific Company, Cleveland, Ohio. Valve for tanks. 1,656,375; Jan. 17.
- Harris, John, assignor to The Harris Calorific Company, Cleveland, Ohio. Regulator. 1,659,263; Feb. 14.
- Harris, John, assignor to The Harris Calorific Company, Cleveland, Ohio. Antifreezing connection for tanks and regulators. 1,662,263; Mar. 13.
- Harris, John, Nuneaton, England. Collar-shaping machine. 1,677,771; July 17.
- Harris, John M., Spokane, Wash. Grain separator. 1,668,244; May 1.
- Harris, John, Cleveland, Ohio, assignor of one-half to J. R. Rose, Edgeworth, Pa. Gaseous-fuel burner. 1,695,587; Dec. 18.
- Harris, Joseph D., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Radiator core. 1,662,187; Mar. 13.
- Harris, Joseph D., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Radiator core. 1,683,821; Sept. 11.
- Harris, Joseph R., Washington, D. C. Garage-door-operating mechanism. 1,680,517; Aug. 14.
- Harris, Joseph W., Washington, D. C. Electric butt-welded tubing and making the same. 1,665,851; Apr. 10.
- Harris, Kenneth L., New Brighton, Pa. Automobile bumper. 1,679,823; Aug. 7.
- Harris, Laurence T., Lawrence, Kans. Tobacco pipe. 1,672,256; June 5.
- Harris, Leland D., Salt Lake City, Utah. Loud speaker. 1,666,854; Apr. 17.
- Harris, Leo J. F. (See Fitz Harris, Leo J.)
- Harris, Leonard B., New York, N. Y. Internal-combustion engine. 1,670,355; May 22.
- Harris, Leonard B., New York, N. Y. Apparatus for power transmission. 1,694,938; Dec. 11.
- Harris, Louis, Birmingham, Ala. Mail box. Des. 76,301; Sept. 11.
- Harris, Marie, New York, N. Y., assignor of one-third to J. B. Burrowes, Washington, D. C., and one-third to E. Brayton, New York, N. Y. Bedclothes clamp. 1,684,443; Sept. 18.
- Harris, Mark, New Rochelle, N. Y. Artificial Christmas tree. 1,653,148; Jan. 10.
- Harris, Mark, Birmingham, Mich., assignor to American Steel Foundries, Chicago, Ill. Connector for spring brakes. 1,682,786; Sept. 4.
- Harris, Neal, San Francisco, Calif. Rust-resisting can. 1,694,820; Dec. 11.
- Harris, Ralph C., Seattle, Wash., assignor of one-half to D. F. Brochli, Refracting prism for telescopes. 1,668,015; May 1.
- Harris, Ray A., North Windham, Conn. Lingerie chain. Des. 74,566; Feb. 28.
- Harris, Ray A., North Windham, Conn. Article of jewelry. 1,683,545; Sept. 4.
- Harris, Richard M., Dallas, Tex. Protecting window glass in windows and doors of motor vehicles when paint is applied. 1,696,202; Dec. 25.
- Harris, Robert, assignor of one-half to Pictorial Machinery Limited, London, England. Duplicating or printing apparatus and particularly photographic step-and-repeat contact-printing apparatus. 1,686,559; Oct. 9.
- Harris, Rosa E., et al. (See Hastings, Frank T., assignor.)
- Harris-Seybold-Potter Company. (See Harrold, Charles W., assignor.)
- Harris-Seybold-Potter Company. (See Seybold, Charles, assignor.)
- Harris, Theodore A., New York, N. Y. Sound-reproducing device. 1,691,059; Nov. 13.
- Harris, Thomas P., Clarinda, Iowa. Twine holder. 1,688,923; Oct. 23.
- Harris, Thomas S., assignor to The Ayer Company, Lowell, Mass. Scalp-treating appliance. 1,664,168; Mar. 27.
- Harris, William A., assignor to The Flintkote Company, Boston, Mass. Roofing shingle. 1,669,981; May 15.
- Harris, William A., assignor to The Flintkote Company, Boston, Mass. Roofing shingle. 1,685,999; Oct. 2.
- Harris, William J., jr., New York, N. Y., assignor to The Surface Combustion Company, Incorporated, Toledo, Ohio. Firing arrangement for muffle furnaces. 1,672,862; June 5.
- Harris, William O., Oklahoma City, Okla. Oil and gas well sand tester. 1,683,031; Sept. 4.
- Harris, William W., New York, N. Y. Gravity-operated figure toy. 1,666,417; Apr. 17.
- Harris, William W., Newport, N. J. Soap stick and holder. 1,673,328; June 12.
- Harrison, Albert D., Montreal, Quebec, Canada. Paper-drying machine. 1,670,113; May 15.
- Harrison, Arthur B. B., et al., executors. (See Harrison, Herbert C.)
- Harrison, Arthur P., Yonkers, assignor to The Fleischmann Company, New York, N. Y. Manufacture of yeast. 1,676,437; July 10.
- Harrison, Arthur W., Eagle Rock, assignor of one-half to T. D. Sexton, Los Angeles, Calif. Power brake for motor vehicles. 1,677,633; July 17.
- Harrison, Benjamin L., Maplewood, Mo. Cleaning apparatus. 1,691,060; Nov. 13.
- Harrison, Cecil B., Hollywood, assignor, by mesne assignments, to Bankers Equipment Company, Los Angeles, Calif. Posting tray. 1,663,198; Mar. 20.
- Harrison, Cecil B., assignor to R. West and K. P. West, San Francisco, Calif. Record tray. 1,666,700; Apr. 17.
- Harrison, Charles D., and P. D. Lindsey, Hominy, Okla. Receptacle closure. 1,683,888; Sept. 11.
- Harrison, Clifford C. (See Helland, N. E., Harrison, and Bierbrauer.)
- Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Stoker-adjusting mechanism. 1,675,268; June 26.
- Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Stoker plunger. 1,696,088; Dec. 18.
- Harrison, Dewey L., Fort Smith, Ark. Electric signal-transmitting switch. 1,695,148; Dec. 11.
- Harrison, Douglas M., Dormont, assignor, by mesne assignments, to McKenzie Mortar Company, Pittsburgh, Pa. Preparing product from acetylene-plant waste and the like. 1,688,542; Oct. 23.
- Harrison, Ellen L., New York, N. Y. Pincushion. Des. 76,237; Sept. 4.
- Harrison, Florence M., et al., executors. (See Harrison, Herbert C.)
- Harrison, George D. (See Myers, W. L., and Harrison.)
- Harrison, Harvey N., Washta, Iowa. Farm wagon. 1,674,511; June 19.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Diaphragm drive. 1,656,632; Jan. 17.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Device for the transmission of vibratory energy. 1,663,884; Mar. 27.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-energy-translating diaphragm and mounting same. 1,675,853; July 3.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Device for the transmission of mechanical vibratory energy. 1,678,116; July 24.
- Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Energy-translation system. 1,689,339; Oct. 30.
- Harrison, Henry H., H. W. Allender, and R. L. Fout, Thomas, Va. Coal-loading and track-cleaning machine. 1,677,824; July 17.
- Harrison, Henry T., assignor to The Corrigan, McKinney Steel Company, Cleveland, Ohio. Machine for cutting up scrap steel. 1,656,063; Jan. 10.
- Harrison, Herbert C., deceased, Lockport, N. Y.; F. M. and A. B. B. Harrison and W. W. Campbell, executors, assignors to General Motors Corporation, Detroit, Mich. Power-transmission mechanism. 1,668,715; May 8.

- Harrison, James, Brooklyn, N. Y. Denominating machine. 1,676,731; July 10.
- Harrison, John, sr., Fairbank, Ariz. Cushioning device for railroad rails. 1,656,353; Jan. 17.
- Harrison, John A. (See Wylie, G. R., and Harrison.)
- Harrison, John P., jr., Versailles, Ind. Speed governor. 1,670,035; May 15.
- Harrison, John, Roxbury, Mass. Camp convenience chair. 1,695,374; Dec. 18.
- Harrison, Lloyd G., Chicago, Ill. Folding egg carton. 1,686,521; Oct. 9.
- Harrison, Monroe, Chicago, Ill. Washing, grinding, and exhibiting device. 1,655,145; Jan. 3.
- Harrison, Nellie, executrix. (See Harrison, William H.)
- Harrison Radiator Corporation. (See Muir, Wellington W., assignor.)
- Harrison, Richard L. (See Ross, D. E., and Harrison.)
- Harrison, Samuel A., Los Angeles, Calif. Sorting desk. 1,675,454; July 3.
- Harrison, Thomas N., jr., Littleton, N. C. Metallic milk bottle. 1,685,920; Dec. 18.
- Harrison, Thomas R., assignor to The Brown Instrument Company, Philadelphia, Pa. Wheatstone-bridge meter system. 1,695,424; Dec. 18.
- Harrison, Thomas R., assignor to Brown Instrument Company, Philadelphia, Pa. Circuit-controlling means. 1,695,488; Dec. 18.
- Harrison, William, Manchester, England. Production of carbohydrate compounds. 1,680,020; Aug. 7.
- Harrison, William, Manchester, England. Manufacture of woollike cellulosic material. 1,680,021; Aug. 7.
- Harrison, William, Manchester, England. Manufacture of carbohydrate derivatives. 1,684,732; Sept. 18.
- Harrison, William, and E. E. Lunceford, San Bernardino, Calif. Fixture. 1,686,856; Oct. 9.
- Harrison, William H., deceased, Philadelphia, Pa.; N. Harrison, executrix. Shuttle. 1,676,438; July 10.
- Harrison, William H., Paterson, assignor to Portable Machinery Company Inc., Clifton, N. J. Conveyor-belt guide. 1,692,832; Nov. 27.
- Harrison, William O., and G. W. Johnson, Buffalo, N. Y. Combined vending and display case. Des. 75,685; July 3.
- Harriss, Robert I., Punta Gorda, Fla. Lifting jack. 1,662,921; Mar. 20.
- Harman, Frank B., Decatur, Ill. Headlight. 1,657,502; Jan. 31.
- Harrold, Charles W., assignor, by mesne assignments, to Harris-Seybold-Potter Company, Cleveland, Ohio. Compensating gear mechanism. 1,681,612; Aug. 21.
- Harrold, Edward T., Binghamton, assignor to M. S. Hotchkiss, Johnson City, N. Y. Curb form. 1,664,169; Mar. 27.
- Harrold, Fredrick, Mansfield, Ohio. Shoe-tree. 1,687,558; Oct. 16.
- Harrop, James. (See Hughes, W. S., and Harrop.)
- Harrow, Alfred T. (See Sloane, Joseph C., assignor.)
- Harrowell, Harvey, et al. (See Hodgson, Frederick, assignor.)
- Harry, George Y., Wapakoneta, Ohio. Centrifugal honey extractor. 1,688,493; Oct. 23.
- Harry, George Y., Wapakoneta, Ohio. Honey extractor. 1,694,541; Dec. 11.
- Harshaw, Fuller & Goodwin Company, The. (See Harshaw, W. J., and Parke, assignors.)
- Harshaw, William J., Shaker Heights Village, and C. S. Parke, assignors to The Harshaw Fuller & Goodwin Company, Cleveland Ohio. Making hydrofluoric acid. 1,665,588; Apr. 10.
- Harshbarger, Lincoln E. (See Smith, James O., assignor.)
- Harshberger, Norman P., Chicago, Ill. Shingle. 1,663,658; Mar. 27.
- Harshberger, Norman P., Chicago, Ill. Shingle machine. 1,666,203; Apr. 17.
- Harshberger, Norman P., Chicago, Ill. Shingle. 1,666,204; Apr. 17.
- Harshberger, Norman P., Chicago, Ill. Shingle. 1,671,424; May 29.
- Harshberger, Russell P., Chicago, Ill. Shingle. 1,657,082; Jan. 24.
- Harshman, Clarence C. (See Cullen, F. J., Binder, and Harshman.)
- Harsin, Frank M., Nampa, Idaho, assignor of one-half to A. D. Leedy, Portland, Oreg. Tire carrier and tool kit. 1,684,699; Sept. 18.
- Hart, Albert B., et al. (See Jones, George A. E., assignor.)
- Hart, Alfred V., Westfield, N. J., and J. T. Hart, Rockville Center, N. Y. Brush. 1,657,121; Jan. 24.
- Hart, Alfred V., Westfield, N. J., and J. T. Hart, Rockville Center, N. Y. Brush. 1,693,384; Nov. 27.
- Hart, Alice M., assignor to Hart Carbon Fuel Company Limited, London, England. Manufacture of fuel briquettes. 1,668,643; May 8.
- Hart Carbon Fuel Company Limited. (See Hart, Alice M., assignor.)
- Hart, Carl D., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding mechanism. 1,676,605; July 10.
- Hart, Charles A., Walla Walla, Wash. Bracelet link. 1,663,079; Mar. 20.
- Hart & Cooley Manufacturing Company, The. (See Hart, Stanley, assignor.)
- Hart & Cowley Manufacturing Company, The. (See Hart, Howard S., assignor.)
- Hart, Fred V. (See Winkley, E. E., and Hart.)
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,656,672; Jan. 17.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting and like machine. 1,663,374; Mar. 20.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,682,333; Aug. 28.
- Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Computing machine. 1,693,753; Dec. 4.
- Hart, George H., West Hartford, Conn. Automatically-controlled switch. 1,678,507; July 24.
- Hart, George H., West Hartford, Conn. Time and temperature control of heating elements. 1,690,898; Nov. 6.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Electric switch. 1,678,508; July 24.
- Hart & Hegeman Manufacturing Company, The. (See Gates, Frederic P., assignor.)
- Hart & Hegeman Manufacturing Company. (See Guett, Monroe, assignor.)
- Hart, Henry E., Montclair, N. J. Communicating helmet. 1,656,914; Jan. 24.
- Hart, Henry R., Montclair, and K. Fitzpatrick, Princeton, N. J.; said Fitzpatrick assignor to said Hart. Tackling dummy. 1,663,659; Mar. 27.
- Hart, Howard S., assignor to The Hart & Cowley Manufacturing Company, New Britain, Conn. Ventilator thimble. 1,692,775; Nov. 20.
- Hart & Hutchinson Company, The. (See Hart, M. S., and Steele, assignors.)
- Hart, Ira B., assignor to W. N. Matthews Corporation, St. Louis, Mo. Slack puller and jack. 1,686,501; Oct. 2.
- Hart, John E., Williamsport, Pa. Valve. 1,681,233; Aug. 21.
- Hart, Joseph J., assignor to The Clark Thread Company, Newark, N. J. Bundling machine. 1,666,205; Apr. 17.
- Hart, Joseph T. (See Hart, Alfred V. and J. T.)
- Hart Manufacturing Company, The. (See D'Arche, Oswald E., assignor.)
- Hart Manufacturing Company, The. (See Hart, Gerald W., assignor.)
- Hart, Marjorie. (See Foley, J. R., and Hart.)
- Hart, Maxwell S., New Britain, and M. G. Steele, Hartford, assignors to The Hart & Hutchinson Company, New Britain, Conn. Radiator. 1,663,301; Mar. 20.
- Hart, Milton H., Hartford, Conn. Hose nozzle. 1,695,097; Dec. 11.
- Hart Parr Company. (See Borsheim, Hans T., assignor.)
- Hart, Robert E., assignor to Ensign Carburetor Company, Los Angeles, Calif. Fuel cleaner. 1,668,071; May 1.
- Hart, Roy R., Stockton, Calif. Hasp lock. 1,673,329; June 12.
- Hart, Simeon T. (See Braun, P. N., and Hart.)
- Hart, Stanley, assignor to The Hart & Cooley Manufacturing Company, New Britain, Conn. Register and ventilator. 1,675,854; July 3.
- Hart, Stephen H., assignor to Lord & Burnham Company, Irvington, N. Y. Combination gutter support for greenhouses. 1,696,158; Dec. 18.
- Hart, Stephen H., assignor to Lord & Burnham Company, Irvington, N. Y. Combination outlet and gutter construction for greenhouse. 1,696,159; Dec. 18.
- Hart, Stephen H., assignor to Lord & Burnham Company, Irvington, N. Y. Greenhouse combination outlet. 1,696,160; Dec. 18.
- Hart, Thomas B., Libow, W. Va., assignor of one-half to Blackford Window Glass Company, Vincennes, Ind. Glass furnace. 1,663,839; Mar. 27.
- Hart, Thomas B., Libow, assignor of one-half to Adams-ton Flat Glass Company, Clarksburg, W. Va. Glass furnace. 1,685,053; Sept. 18.
- Hart, Wayne M., assignor to Electric Refrigeration Corporation, Detroit, Mich. Cooling unit for mechanical refrigerating. 1,658,193; Feb. 7.
- Hart, William C., Adelaide, South Australia, Australia. Labeling canned and bottled goods. 1,688,077; Oct. 16.
- Hart, William C., New York, N. Y. Printer's inking roller and method of protecting journal supports of same. 1,694,217; Dec. 4.
- Hart, William E., San Jose, Calif. Automobile bumper. 1,670,963; May 22.
- Hart, William E., San Jose, Calif. Automobile bumper. 1,680,879; Aug. 14.
- Hart, William E., San Jose, Calif. Automobile bumper. 1,682,507; Aug. 28.
- Hart, William E., San Jose, Calif. Automobile bumper. 1,684,093; Sept. 11.
- Hart, William F., assignor to Verona Tool Works, Pittsburgh, Pa. Rail bond and making the same. 1,692,895; Nov. 27.
- Hart, William G., Fairfield, Ill. Dental tool grinder. 1,659,687; Feb. 21.
- Harte, Henry G., Omaha, Nebr. Animal trap. 1,690,369; Nov. 6.
- Harte, James A. (See Witter, W. D., and Harte.)
- Hartell, Joseph L., Brainerd, Minn. Axle gauge. 1,670,889; May 22.
- Harter, Arthur L., Kokomo, Ind. Measuring instrument. 1,662,670; Mar. 13.

- Harter, Charles, St. Louis, Mo. Carline reenforcement and load-lifting arrangement. 1,678,509; July 24.
- Harter, Charles, St. Louis, Mo. Carline reenforcement and load-lifting arrangement. 1,678,510; July 24.
- Harter, Hans, Wurzburg, Germany. Apparatus for carrying out chemical reactions between gases, or vapors, or gases and vapors. 1,678,778; July 31.
- Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,693,602; Dec. 4.
- Harter, Lloyd E., assignor to Crown Fuel Saver Company, Richmond, Ind. Steam-actuated air injector. 1,666,136; Apr. 17.
- Harter, Noah S. (See Adkins, F. A., and Harter.)
- Harter, Noah S., assignor to Cyclone Fence Company, Waukegan, Ill. Wire-fabric-handling means. 1,668,846; May 8.
- Harter, Raymond S., West Nanticoke, Pa. Signal. 1,658,194; Feb. 7.
- Harter, Sherman, assignor to New Method Stove Company, Mansfield, Ohio. Range construction. 1,691,762; Nov. 13.
- Hartfield, August J., and W. Holbrook, assignor to Pacific Gas Radiator Company, Los Angeles, Calif. Distant control valve. 1,673,451; June 12.
- Hartford Battery Manufacturing Company, The. (See Barhoff, F. W., and Eeroaks, assignors.)
- Hartford-Empire Company. (See Arbeit, Pierre, assignor.)
- Hartford-Empire Company. (See Bacheller, Raymond G., assignor.)
- Hartford-Empire Company. (See Barker, William T., jr., assignor.)
- Hartford-Empire Company. (See Beach, Thomas E., assignor.)
- Hartford-Empire Company. (See Black, Jotham, assignor.)
- Hartford-Empire Company. (See Bunge, Julius H. O., assignor.)
- Hartford-Empire Company. (See Ferngren, Enoch T., assignor.)
- Hartford-Empire Company. (See Grotta, Sidney S., assignor.)
- Hartford-Empire Company. (See Hiller, Everett O., assignor.)
- Hartford-Empire Company. (See Howard, George E., assignor.)
- Hartford-Empire Company. (See Ingle, Henry W., assignor.)
- Hartford-Empire Company. (See Keller, John R., assignor.)
- Hartford-Empire Company. (See Lorenz, Edward H., assignor.)
- Hartford-Empire Company. (See Miller, William J., assignor.)
- Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
- Hartford-Empire Company. (See Peiler, Karl E., assignor.)
- Hartford-Empire Company. (See Peiler, K. E., and Lorenz, assignors.)
- Hartford-Empire Company. (See Rowe, George E., assignor.)
- Hartford-Empire Company. (See Sears, Sydney L., assignor.)
- Hartford-Empire Company. (See Smith, Algy J., assignor.)
- Hartford-Empire Company. (See Steimer, Theodore C., assignor.)
- Hartford-Empire Company. (See Tucker, O. M., and Reeves, assignors.)
- Hartford-Empire Company. (See Weaver, David P., assignor.)
- Hartford-Empire Company. (See Willetts, Paul G., assignor.)
- Hartkopf, Carl F., Georgetown, Ill. Nut locks. 1,664,744 Apr. 3.
- Hartley, James W. (See Smart, Edmund F., assignor.)
- Hartley, John W., Stone, England. Sewage distributor. 1,660,488; Feb. 28.
- Hartley, Ralph V. L., South Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Modulation system. 1,666,206; Apr. 17.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuit. 1,666,738; Apr. 17.
- Hartley, Walter, assignor to Dobson & Barlow Limited, Bolton, England. Waste-collecting device for combing and like machines. 1,666,379; Apr. 17.
- Hartman, Abe, Brooklyn, N. Y. Temperature-indicating housing. Des. 74,603; Mar. 6.
- Hartman, Carl H. and L. H., Toledo, Ohio, assignors, by mesne assignments, to Bates Valve Bag Corporation, Chicago, Ill. Bag-separating apparatus. 1,682,276; Aug. 28.
- Hartman, Frank E. (See Hartman, Harry B. and F. E.)
- Hartman, George H., Cleveland, Ohio. Apparatus for elevating popped corn and delivering it. 1,694,381; Dec. 11.
- Hartman, Harry B., Buffalo, assignor to A. L. Joffe, New York, N. Y. Electrode box. 1,674,364; June 19.
- Hartman, Harry B. and F. E., assignors to Electric Water Sterilizer and Ozone Company, Scottsdale, Pa. Dehydrator. 1,667,316; Apr. 24.
- Hartman, Herbert G., assignor to Gleason Works, Rochester, N. Y. Gear-cutting machine. 1,686,522; Oct. 9.
- Hartman, Jacob Y., assignor of fifty per cent to W. H. Cook, New Orleans, La. Rotary timing switch. 1,669,298; May 8.
- Hartman, Louis H. (See Hartman, Carl H. and L. H.)
- Hartman, Louis H., Toledo, Ohio. Automatic bag-filling machine. 1,667,858; May 1.
- Hartman, Robert R., Perry, Okla. Bird-house road marker. Des. 77,002; Nov. 27.
- Hartman, Stephen L., Santa Ana, Calif. Plug for wells. 1,690,536; Nov. 6.
- Hartman, William A., assignor to American Mirror Works, Butler, Pa. Easel. 1,659,871; Feb. 21.
- Hartman, William H., Canton, Ohio. Extrusion machine. 1,662,112; Mar. 13.
- Hartmann, Anton V., assignor of one-half to V. H. Stevens, St. Paul, Minn. Variable-speed gearing. 1,678,289; July 24.
- Hartmann, August. (See Otto, G., Hartmann, and Bauriedel.)
- Hartmann & Braun Aktiengesellschaft. (See Fischer, Richard, assignor.)
- Hartmann, Ernest E., assignor to Petree & Dorr Engineers, Inc., New York, N. Y. Handling cane juice. 1,688,184; Oct. 16.
- Hartmann, Hermann G., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,669,125; May 8.
- Hartmann, Julius F. G. P., Copenhagen, Denmark. Electric jet-wave commutator and interrupter. 1,664,031; Mar. 27.
- Hartmann-Malcom Company. (See Hansen, Jacob M., assignor.)
- Hartmann, Max, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of physiologically-active substances from ovaries, corpus luteum, and placenta. 1,690,932; Nov. 6.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshohe, Germany. Steam boiler. 1,656,559; Jan. 17.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Apparatus for superheating steam. 1,660,612; Feb. 28.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshohe, Germany. Water-tube boiler. 1,663,910; Mar. 27.
- Hartmann, Otto H., assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Traveling plant for the generation of high-pressure steam. 1,665,543; Apr. 10.
- Hartmann, Otto H., and E. Reifner, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Steam boiler. 1,675,892; July 3.
- Hartmann, Otto H., and H. Peperkorn, assignors to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Water gauge for steam boilers. 1,676,026; July 3.
- Hartmann, Paul, assignor to K. Schenzer, New York, N. Y. Preparation of washable aniline dyes. 1,662,420; Mar. 13.
- Hartmann Trunk Company. (See Ritter, Julius, jr., assignor.)
- Hartmann Trunk Company. (See Ritter, J., jr., and Rasmussen, assignors.)
- Hartmann, William C., Cleveland, Ohio. Adjustable caster. 1,693,920; Dec. 4.
- Hartmann, William C., and E. A. Weiss, Cleveland, Ohio. Auxiliary bed rail and slat support. 1,662,312; Mar. 13.
- Hartmelz, Ernst, Oberesslingen-on-the-Neckar, Germany. Blower. 1,677,446; July 17.
- Hartmeka, Margaret T., Grand Rapids, Mich. Playing card. 1,695,425; Dec. 18.
- Harriott, Henry J., Los Angeles, Calif. Combination water faucet and sink trap. 1,665,029; Apr. 3.
- Hartog, Stephen D., St. Louis, Mo. Piston. 1,675,174; June 26.
- Hartong, Robert C., assignor to Seiberling Rubber Company, Akron, Ohio. Manufacturing imitation leather. 1,694,258; Dec. 4.
- Harttrampf, Otto B. (See Harttrampf, Robert C. and O. B.)
- Harttrampf, Robert C. and O. B., Hillsboro, Oreg. Sorting machine. 1,680,880; Aug. 14.
- Harttrampf, Harry A., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Switch member and producing the same. 1,672,123; June 5.
- Hartsock, Frank R., assignor of one-third to C. O. Dickey and one-third to L. E. Dickey, Warsaw, Ind. Wheel-pitch gauge. 1,665,544; Apr. 10.
- Hartson, Earl S., Los Angeles, Calif. Underreamer. 1,663,048; Mar. 20.
- Hartstoff-Metall Aktiengesellschaft (Hametag). (See Kramer, Erwin, assignor.)
- Hartstoff-Metall Aktiengesellschaft (Hametag). (See Kramer, E., and Podszus, assignors.)
- Hartstoff-Metall Aktiengesellschaft (Hametag). (See Podszus, Emil, assignor.)
- Hartung, Florenz P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making strip rubber. 1,661,069; Feb. 28.
- Hartung, Louis H., and F. Polbert, Detroit, Mich. Making molded product. 1,668,768; May 8.

- Hartwagner, Ludwig, Dresden, assignor to Sachsenwerk, Licht- und Kraft-Aktiengesellschaft, Niedersiedlitz, near Dresden, Germany. Compensated asynchronous machine. 1,668,366; May 1.
- Hartway, Harvey M., Highland Park, Mich. Miter box. 1,683,460; Sept. 4.
- Hartwell, Benjamin F., Winchester, Mass. Boot or shoe, composite sole therefor, and manufacturing same. 1,669,901; May 15.
- Hartwell, Leslie L., Winchester, Mass. Sanding, scouring, and buffing machine. 1,665,589; Apr. 10.
- Hartwell, Leslie L., Winchester, Mass. Heel-building machine. 1,669,982; May 15.
- Hartwig, Charles W., Hastings-upon-Hudson, N. Y. Dispensing device. 1,684,623; Sept. 18.
- Hartwig, Marcell, Los Angeles, Calif. Bunion corrector. 1,665,030; Apr. 3.
- Hartwig, William G., Chicago, Ill. Electric heater system. 1,689,432; Oct. 30.
- Hartwig, William G., assignor to E. J. Magerstadt, Chicago, Ill. Electromagnetic contractor. 1,654,646; Jan. 3.
- Hartwig, William G., assignor to Railway Utility Company, Chicago, Ill. Vestibule heater. 1,674,643; June 26.
- Hartzell, George W. (See Charavay, Frederick, assignor.)
- Hartzell, Walter L., Chicago, Ill. Spark plug. 1,660,964; Feb. 28.
- Hartzell, Walter L., Chicago, Ill. Protective system. 1,660,965; Feb. 28.
- Hartzell, Walter L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,669,558; May 15.
- Harvard Auto Body Company. (See Smith, A. P., and Eichel, assignors.)
- Harvard Company, The. (See Case, Frank E., assignor.)
- Harvard Holding Corporation. (See Paulson, Arthur, assignor.)
- Harvey, Albert L., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,682,508; Aug. 28.
- Harvey, Aro M., Kansas City, Mo. Press board. 1,663,373; Mar. 20.
- Harvey, Corbon L., Detroit, Mich. Ledger book. 1,660,923; Feb. 28.
- Harvey, Edward J., Racine, Wis. Automobile bumper. Des. 76,797; Nov. 6.
- Harvey, George H., Rochester, assignor of one-half partnership interest to E. A. Lawrence, Bellevue, Pa. Process and apparatus for drawing sheet glass. 1,676,027; July 3.
- Harvey, Harold C., assignor to The Agasote Millboard Company, Trenton, N. J. Drier. 1,668,314; May 1.
- Harvey, Herschel, Macon, Ga. Identification plate for automobiles. Des. 75,560; June 19.
- Harvey, Leaman S., Waterbury, Conn. Pencil holder, and pocket clip. 1,672,382; June 5.
- Harvey, Leaman S., Waterbury, Conn. Holder for paper rolls. 1,674,285; June 19.
- Harvey, Leaman S., Waterbury, Conn. Line clamp. 1,675,175; June 26.
- Harvey, Lee, Los Angeles, Calif. Quick-relining brake. 1,680,611; Aug. 14.
- Harvey, Leo M., Los Angeles, Calif. Tie for box straps. 1,677,522; July 17.
- Harvey, Mary J., executrix. (See Harvey, William F.)
- Harvey, Marvion N., Kansas City, Mo. Metal frame for screens. 1,659,101; Feb. 14.
- Harvey, Raymond, New York, N. Y., and H. V. Day, Pequannock Township, Morris County, assignors to The Pantasote Leather Company, Passaic, N. J. Ornamenting sheet material. 1,688,924; Oct. 23.
- Harvey, Samuel B., Wellston, Mo. Condenser cage for intake manifolds. 1,689,433; Oct. 30.
- Harvey, Tom, Middletown, Ohio. Paper and pulp making cylinder mold. 1,692,733; Nov. 20.
- Harvey, Walter J., Toronto, Ontario, Canada. Solar-heat-accumulating system. 1,696,003; Dec. 18.
- Harvey, William F., deceased, Lima, N. Y.; M. J. Harvey, executrix. Indenting tools. 1,689,073; Oct. 23.
- Harvey, William H., Vancouver, British Columbia, Canada. Table. 1,655,788; Jan. 10.
- Harvey, William H., Water Valley, Miss. Casing spear. 1,664,363; Mar. 27.
- Harvey, William H., Brooklyn, assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone-exchange system. 1,668,677; May 8.
- Harvey, William J., New York, N. Y. Foot and ankle protecting means. 1,675,348; July 3.
- Harvis, George, Detroit, Mich. Electric water heater. 1,659,102; Feb. 14.
- Harwick, Clarence R., Waterloo, Iowa. Parachute-opening device. 1,682,509; Aug. 28.
- Harwig, Carl G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Relay. 1,682,510; Aug. 28.
- Harwood, George S., & Son. (See Howe, Joseph B., assignor.)
- Harwood, John F., New York, N. Y. Perfume-vending machine. 1,662,919; Mar. 20.
- Harwood, Stanley G., and D. Griswold, Minneapolis, Minn., assignors to Ward-Love Pump Corporation, Rockford, Ill. Valve-operating mechanism. 1,692,776; Nov. 20.
- Hasbrouck, Louis, Amherst, Mass. Confection. Des. 76,540; Oct. 9.
- Hasbrouck, Louis B. (See Mann, J. V., and Hasbrouck.)
- Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Bobbin support. 1,692,441; Nov. 20.
- Haschart, Louis F., Lynbrook, N. Y. Tire tool. 1,689,585; Oct. 30.
- Hase, Paul J., Schaller, Iowa. Seed-sowing machine. 1,657,393; Jan. 24.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. Re16911; Mar. 20.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Draft rigging. 1,660,443; Feb. 28.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing. 1,660,444; Feb. 28.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,660,445; Feb. 28.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,661,145; Feb. 28.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,661,753; Mar. 6.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Buffer mechanism. 1,667,800; May 1.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,668,899; May 8.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,668,900; May 8.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,668,901; May 8.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,668,902; May 8.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake for railway cars. 1,671,095; May 22.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. M. Miner, Inc. Friction shock-absorbing mechanism. 1,671,582; May 29.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,673,507; June 12.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,674,824; June 26.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,674,825; June 26.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism. 1,674,826; June 26.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,676,613; July 10.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,680,292; Aug. 14.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,680,293; Aug. 14.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,680,612; Aug. 14.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Refrigerator-car-door-operating mechanism. 1,682,041; Aug. 28.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,682,042; Aug. 28.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,682,043; Aug. 28.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake for railway cars. 1,683,461; Sept. 4.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,683,462; Sept. 4.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism. 1,683,822; Sept. 11.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,684,538; Sept. 18.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,684,539; Sept. 18.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,685,160; Sept. 25.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Car construction. 1,692,657; Nov. 20.
- Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,692,658; Nov. 20.

- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism. 1,692,659; Nov. 20.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,693,921; Dec. 4.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,694,778; Dec. 11.
- Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,696,302; Dec. 25.
- Haseltine, William C. (See Bowman, John G., assignor.)
- Haseman, Charles T., Mill City, Oreg. Pulley block and method of operating pulley blocks in sky-line systems. 1,665,545; Apr. 10.
- Hasenflue, Nelson T., assignor to The Champion Hardware Company, Geneva, Ohio. Hasp. 1,690,408; Nov. 6.
- Hasey, George H., Malden, Mass. Foundry flask. 1,660,966; Feb. 28.
- Hashagen, August, New York, N. Y., assignor to The Alliance Vitrified China Company, Alliance, Ohio. Plate or similar article. Des. 75,238; May 22.
- Hashagen, August, New York, N. Y., assignor to The Alliance Vitrified China Company, Alliance, Ohio. Plate or similar article. Des. 75,239; May 22.
- Hashagen, August, New York, N. Y., assignor to The Alliance Vitrified China Company, Alliance, Ohio. Plate or similar article. Des. 75,240; May 22.
- Hashimoto, Tokujiro, Tokyo, Japan. Cosmetic. 1,670,449; May 22.
- Haskelite Manufacturing Corporation. (See Curran, F. M., and Norris, assignors.)
- Haskelite Manufacturing Corporation. (See Meyercord, George R., assignor.)
- Haskelite Manufacturing Corporation. (See Meyercord, G. R., and Norris, assignors.)
- Haskell, Broderick, Franklin, Pa. Railroad tie. 1,663,984; Mar. 27.
- Haskell, Broderick, jr., assignor to Franklin Railway Supply Company, New York, N. Y. Entrainment-controlling mechanism for auxiliary motors. 1,679,719; Aug. 7.
- Haskell, Broderick, Franklin, assignor to Pittsburgh Steel Foundry Corporation, Glassport, Pa. Truck bolster. 1,681,154; Aug. 14.
- Haskell, Charles R., Youngstown, N. Y., assignor to Haskell Corporation, Niagara Falls, N. Y. Making tubular farinaceous rolls. 1,679,660; Aug. 7.
- Haskell Corporation. (See Haskell, Charles R., assignor.)
- Haskell, Henry L., assignor to The Carron Company, Ludington, Mich. Folding table. 1,682,754; Sept. 4.
- Haskell, John D., and M. R. Rust, assignors to Dilts Machine Works Incorporated, Fulton, N. Y. Paper-stock strainer. 1,693,560; Nov. 27.
- Haskell, John D., assignor to Dilts Machine Works Incorporated, Fulton, N. Y. Beating engine. 1,682,546; Sept. 4.
- Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Stop action for organs. 1,659,914; Feb. 21.
- Haskin, Walter E., Flushing, assignor to Pressed & Welded Steel Products Company, Long Island City, N. Y. Combination ironing board and stand. 1,656,789; Jan. 17.
- Haskin, Walter E., New York, assignor to Pressed and Welded Steel Products Company, Long Island City, N. Y. Bookstand. 1,687,443; Oct. 9.
- Haskin, Walter E., New York, N. Y., assignor to Pressed & Welded Steel Products Company, Long Island City, N. Y. Bookstand. 1,687,444; Oct. 9.
- Haskins, Howard B. (See Floraday, B. S., and Haskins.)
- Haskins, Howard B., assignor to The Dura Company, Toledo, Ohio. Lock for window regulators. 1,687,243; Oct. 9.
- Haskins, Howard B., assignor to The Dura Company, Toledo, Ohio. Manufacture of window regulators. 1,696,353; Dec. 25.
- Haslacher, Alfred B., Farmington, Calif. Preserving vegetable produce. 1,668,903; May 8.
- Haslacher, Alfred B., Farmington, Calif. Game device. 1,678,432; July 24.
- Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler. (See Kohler, Ulrich, assignor.)
- Hasler A.-G. vormals Telegraphenwerkstätte von G. Hasler. (See Zbinden, Ernst, assignor.)
- Haslett, Elmer, San Francisco, Calif. Bidet. 1,655,864; Jan. 10.
- Haslett, Warren W., Baltimore, Md. Blowtorch. 1,692,734; Nov. 20.
- Haslinger, Anton, Rockledge, Philadelphia, Pa. Automatic cut-off for stopcocks. 1,688,233; Oct. 16.
- Hass, Charles W. (See Redmer, Frank M., assignor.)
- Hass, Hans, Hamburg-Bergedorf, Germany. Ship's funnel. 1,681,477; Aug. 21.
- Hass, Rudolf, Baden-Baden, Germany. Rotary pump, motor, and meter. 1,670,681; May 22.
- Hasselbach, Alexander, assignor to G. Polysius, Dessau, Germany. Manufacturing cements rich in alumina. 1,677,182; July 17.
- Hasselkus, William E. B., Jamaica, assignor to International Motor Company, New York, N. Y. Seat. 1,693,782; Dec. 4.
- Hasselkus, William E. B., Jamaica, assignor to International Motor Company, New York, N. Y. Seat. 1,693,783; Dec. 4.
- Hassinger, Lee L., Elizabethtown, Pa. Condensation preventer. 1,668,678; May 8.
- Hassinger, Louis. (See Trageser, A. H., and Hassinger.)
- Hasskari Novelty Co. (See Hasskari, W. S., and Marder, assignors.)
- Hasskari, William S., and M. Marder, assignors to Hasskari Novelty Co., Philadelphia, Pa. Lawn pool game. 1,679,659; Aug. 7.
- Hassler, Ernest C., assignor to The Connorsville Blower Co., Connorsville, Ind. Blower. 1,696,882; Dec. 25.
- Hassler Manufacturing Co. (See Hassler, Robert H., assignor.)
- Hassler, Paul M., assignor to The Loudon Machinery Company, Fairfield, Iowa. Elevated conveyor. 1,682,175; Aug. 28.
- Hassler, Robert H., assignor, by mesne assignments, to Hassler Manufacturing Co., Inc., Indianapolis, Ind. Rebound check. 1,657,503; Jan. 31.
- Haste, James H., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture-film strip. 1,637,066; Oct. 9.
- Hastings, Byron W., and C. W. Kelley, McCook, Nebr. Cylinder-head lifter. 1,674,970; June 26.
- Hastings, Elizabeth F., executrix. (See Hastings, Ruben C. M.)
- Hastings, Frank T., assignor of one-tenth to W. N. Thompson and one-tenth to J. L. Francis, Amarillo, Tex., and one-tenth to R. E. Harris, San Jose, Calif. Pneumatic displacement device. 1,657,796; Jan. 31.
- Hastings, George T., New York, N. Y. Radio attachment for string instruments. 1,689,136; Oct. 23.
- Hastings, Herbert, Brighton, N. Y. Liquid gauge. 1,664,558; Apr. 3.
- Hastings, Herbert, Brighton, N. Y. Fluid indicator. 1,693,031; Nov. 27.
- Hastings, Ruben C. M., deceased; E. F. Hastings, executrix, assignor to The International Telephone Company, Columbus, Ohio. Telephone system. 1,669,517; May 15.
- Hastings, William A. (See Bain, Foré, assignor.)
- Hastreiter, Joseph, Morgantown, W. Va. Wire-glass machine. 1,656,583; Jan. 17.
- Haswell, Arthur B., Birmingham, Ala. Drying out masonry. 1,661,476; Mar. 6.
- Hatch, Alexander G., Farmington, assignor to The Sesamee Company, Hartford, Conn. Lock. 1,690,818; Nov. 6.
- Hatch, Francis E., Denver, Colo. Electric furnace for treating ores, shales, etc. 1,665,546; Apr. 10.
- Hatch, Meredith R., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Counterbalancing mechanism. 1,671,365; May 29.
- Hatch, William E., assignor to St. Joseph Iron Works, St. Joseph, Mich. Crate or basket top fastener. 1,656,945; Jan. 24.
- Hatchell, Benjamin F., Crockett, Tex. Animal trap. 1,681,804; Aug. 21.
- Hatcher, James L. (See Green, S. G., and Hatcher.)
- Hatcher, Josh., assignor of two-thirds to L. R. Gottlieb, Cokedale, Colo. Clothespin bag. 1,683,032; Sept. 4.
- Hatcher, Manning F. (See Klooz, L. F., and Hatcher.)
- Hater, Harry J. (See Rindsberg, Harry D., assignor.)
- Hater, Harry J., assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio. Piston. 1,656,482; Jan. 17.
- Hatfield, Hubert A., New Glasgow, Nova Scotia, Canada. Drying machine. 1,673,241; June 12.
- Hatfield, Percy W., assignor to Winship, Boit & Co., Wakefield, Mass. Label-sewing machine. 1,672,888; June 12.
- Hatfield, Schuyler C., Baltimore, Md. Elastic wheel. 1,657,535; Jan. 31.
- Hatfield, Schuyler C., Baltimore, Md. Tire and wheel. 1,661,754; Mar. 6.
- Hatfield, Schuyler C., Baltimore, Md. Flexible gear. 1,691,190; Nov. 13.
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool. 1,663,498; Mar. 20.
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Machine for affixing ferrules to wooden rollers of the like. 1,663,499; Mar. 20.
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Spool-supporting means for tube frames. 1,696,161; Dec. 18.
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Tube frame. 1,696,162; Dec. 18.
- Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Axminster tube frame. 1,696,163; Dec. 18.
- Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Dorchester, Mass. Mechanism for and method of handling yarns or the like. 1,666,650; Apr. 17.
- Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames. 1,681,898; Aug. 21.
- Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Boston, Mass. Yarn-spool bearing. 1,686,489; Oct. 2.
- Hathorn, Charles E., Hempstead, and S. A. Reed, New York, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Propeller-twisting press. 1,673,564; June 12.

- Hatmaker, James R., Paris, France. Ice cream and making same. 1,684,094; Sept. 11.
- Hatschek, Paul, Leipzig, Germany. Optical projection apparatus. 1,655,185; Jan. 3.
- Hattemer, Justus, Cliffside, N. J., and L. C. Kauling, Brooklyn, assignors to Premier Grand Piano Corporation, New York, N. Y. Wireless receiving installation for grand pianos. 1,681,584; Aug. 21.
- Hattersley, George, and Sons Limited. (See Shackleton, George W., assignor.)
- Hutton, Hugh B., Jr., Glendale, Calif. Sealing valve for gas lines. 1,667,034; Apr. 24.
- Hutton, Robert W., Waltham Abbey, England. Conveyer. 1,673,283; June 12.
- Hatvani, Gabriel, Medina, Ohio. Hot-air furnace; 1,679,247; July 31.
- Hatvani, Gabriel, Medina, Ohio. Spring tire. 1,687,206; Oct. 9.
- Hatzel, Adolf, Selb, Germany, assignor to Mitchell, Woodbury Company, Boston, Mass. Plate or similar article. Des. 74,833; Apr. 3.
- Hauch, Wendell M., assignor to Terri Inc., New York, N. Y. Vanity case. 1,655,098; Jan. 3.
- Hauck, Henry, New York, N. Y. Picture frame. Des. 75,365; May 29.
- Hauck Manufacturing Company. (See Elze, Walter C., assignor.)
- Hauck Manufacturing Company. (See Gerdes, Henry T., assignor.)
- Hauck Manufacturing Company. (See Gerdes, H. T., and Elze, assignors.)
- Hauer, Roy A., New Rochelle, assignor to International Motor Company, New York, N. Y. Driving seat. 1,656,946; Jan. 24.
- Hauerwas, Fred, Rock Island, assignor to Moline Iron Works, Moline, Ill. Buckle. 1,671,366; May 29.
- Hauf, George F., assignor to Chicago Metal Mfg. Co., Chicago, Ill. Bar support. 1,673,360; June 12.
- Haug, Anton J., Nashua, N. H. Apparatus for crushing material. 1,682,511; Aug. 28.
- Haug, Anton J., Nashua, N. H. Pulp-screening machine. 1,696,354; Dec. 25.
- Haug, John S., assignor to U. G. I. Contracting Company, Philadelphia, Pa. Valve. 1,672,124; June 5.
- Haugen, Karl M., Appleton, Wis. Map or chart protector. 1,656,673; Jan. 17.
- Haugen, Ole J., Mapes, N. Dak. Brooder. 1,688,925; Oct. 23.
- Haugh, James G., Bascom, Ohio. Ironing table. 1,683,291; Sept. 4.
- Haughton Elevator & Machine Company, The. (See Bourgeois, Clarence H., assignor.)
- Haughton Elevator and Machine Co., The. (See Ohler, Frank L., assignor.)
- Haughton Elevator & Machine Company, The. (See Thurston, Ernest B., assignor.)
- Haughton, Frank A., Schenectady, N. Y., assignor to General Electric Company. Automatic arc-welding machine. 1,676,985; July 10.
- Haulton, Thomas, assignor to Penn Machine Company, Johnstown, Pa. Trolley harp and wheel assembly. 1,691,805; Nov. 13.
- Hauman, Earl L., Hamburg, N. Y. Crucible. 1,673,115; June 12.
- Haumann, George, Painesville, assignor to The P. A. Geier Company, Cleveland, Ohio. Drive mechanism for polishing lathes. 1,663,596; Mar. 27.
- Haupt, Charles H., Elizabeth, N. J. Golf club. 1,674,173; June 19.
- Haupt, Hans, Berlin, Germany. Collapsible umbrella. 1,667,784; May 1.
- Hauptmeyer, Friedrich, Essen assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Casting articles of corrosionproof steel. 1,684,700; Sept. 18.
- Hauptner, Rudolf, Berlin, Germany. Veterinary instrument for embryotomy. 1,673,242; June 12.
- Hauschild, Max, Dresden, and W. Berger, Blasewitz-Dresden, assignor to Neue Glühlampen-Gesellschaft mit beschränkter Haftung, Dresden, Saxony, Germany. Crystal-wire filament for incandescent electric lamps and winding it. 1,668,016; May 1.
- Hausdorfer, Reinhold G., Detroit, Mich. Shock absorber. 1,655,225; Jan. 3.
- Hauser, Alois, and P. Wallin, assignors to The Timken Roller Bearing Company, Canton, Ohio. Gauging machine. 1,686,694; Oct. 9.
- Hauser, Emil, New York, N. Y. Umbrella stand. Des. 75,725; July 10.
- Hauser, Emil, New York, N. Y. Table. Des. 75,912; July 31.
- Hauser, Frederick, San Francisco, Calif. Multisash window. 1,659,103; Feb. 14.
- Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Portable electric heater. 1,693,950; Dec. 4.
- Hauser, George D., assignor to Utica Products, Inc., Utica, N. Y. Portable electric heater. 1,694,175; Dec. 4.
- Hauser, Henry. (See Zimmerman, W. F., and Hauser.)
- Hauser, Konrad, Horgen, Switzerland. Needle-lease reed. 1,682,334; Aug. 28.
- Hauserman, E. F., Company, The. (See Bohnsack, John A., assignor.)
- Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, McClenaghan, and Murrell, assignors.)
- Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, East Cleveland, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Demountable wall construction. 1,681,340; Aug. 21.
- Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, East Cleveland, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Wall structure. 1,681,805; Aug. 21.
- Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, Ohio, and W. R. McClenaghan and T. E. Murrell, Detroit, Mich., assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metal partition. 1,660,646; Feb. 28.
- Hausleiter, Fritz H., Munich, Germany. Metal-framed half-tone screen and forming the metal frame thereon. 1,667,517; Apr. 24.
- Hausler, Joseph, Chicago, Ill. Adjustable arm rest for automobiles. 1,695,549; Dec. 18.
- Häussler, Alfred, assignor to C. H. Boehringer Sohn, Chemische Fabrik, Niederlingelheim-on-the-Rhine, Germany. Production of quinoline-4-carboxylic acids. 1,676,862; July 10.
- Havard, Eugene, Paris, France. Hydrotherapeutical device. 1,668,506; May 1.
- Havelick, Frank J., assignor to S. M. Havelick, Billings, Mont. Siphon. 1,663,840; Mar. 27.
- Havelick, Sara M. (See Havelick, Frank J., assignor.)
- Havemeyer, Vera, New York, N. Y. Sandal case. 1,659,264; Feb. 14.
- Haven, Clarence B., Detroit, Mich., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Locking door knob. 1,668,403; May 1.
- Haven, Harry M. (See Pierini, A., Hopkins, and Haven.)
- Haven, John H., Grand Rapids, Mich. Portable and collapsible bag holder. 1,691,571; Nov. 13.
- Haviland & Co. Societe Anonyme. (See Haviland, George assignor.)
- Haviland, George, Paris, assignor to Haviland & Co. Societe Anonyme, Limoges, France. Bowl or similar article. Des. 76,134; Aug. 21.
- Haviland, George, Paris, assignor to Haviland & Co. Societe Anonyme, Limoges, France. Pitcher or similar article. Des. 76,135; Aug. 21.
- Haviland, Theodore, & Company. (See Haviland, William D., assignor.)
- Haviland, William D., Limoges, France, assignor to Theodore Haviland & Company, Incorporated, New York, N. Y. Teapot or similar article. Des. 74,505; Feb. 21.
- Haviland, William D., Limoges, France, assignor to Theodore Haviland & Company, Incorporated, New York, N. Y. Covered vegetable dish or similar article. Des. 74,506; Feb. 21.
- Havran, John, Bedford, Ohio. Razor-blade holder. 1,667,859; May 1.
- Hawadler, Jacques A. M., Paris, France. Valve for wireless telegraphy or telephony. 1,666,010; Apr. 10.
- Hawaiian Pineapple Company. (See Hoyt, Simes T., assignor.)
- Hawes, William T., Montreal, Quebec, Canada. Vacuum tube. 1,670,356; May 22.
- Hawker, Wilson S., Dayton, Ohio. Dowel pin and method of manufacture. 1,687,207; Oct. 9.
- Hawkes, Arthur G. (See Hall, E. J., and Hawkes.)
- Hawkes, Arthur G., and F. A. Whitten, Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Rear-body grille. 1,669,936; May 15.
- Hawkes, Clifford E., Brooklyn, and A. L. Christensen, New York, N. Y. Combination tool holder. 1,667,801; May 1.
- Hawkesworth Drill Company. (See Maickel, J., and Dyas, assignors.)
- Hawkins, Edward J., Rome, N. Y. Automobile signal. 1,668,963; May 8.
- Hawkins, Harry E., San Francisco, Calif., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,672,980; June 12.
- Hawkins, Henry. (See Hill, E. H., and Hawkins.)
- Hawkins, Henry M. (See Seitz, L. A., and Hawkins.)
- Hawkins, John F., Pawhuska, Okla. Lawn mower. 1,690,899; Nov. 6.
- Hawkins, Nannie E., Cincinnati, Ohio. Clothes hanger. 1,696,480; Dec. 25.
- Hawkins, Percy O., Hammond, Ind. Automobile frame straightener. 1,676,263; July 10.
- Hawkins, Raymond L., assignor to Long Manufacturing Company, Detroit, Mich. Clutch construction. 1,673,046; June 12.
- Hawkins, Roe C., assignor of one-third to F. E. Abbott, Long Beach, Calif. Valve control for plunger pumps. 1,676,186; July 3.
- Hawkins, Tom, Hollywood, Calif. Moldboard. 1,661,942; Mar. 6.
- Hawkins, Wilford J., Montclair, N. J., assignor to American Machine and Foundry Company. Metal-coating machine. 1,672,526; June 5.
- Hawkins, Wilford J., Montclair, N. J., assignor to American Machine & Foundry Company. Molded article and making the same. 1,689,386; Oct. 30.
- Hawkinson, Adolph H., assignor to Greenlee Bros. & Co., Rockford, Ill. Saw-toothed wood-boring bit. 1,655,836; Jan. 10.

- Hawkinson, Emil E., South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method of and machine for making magnet-coil cores. 1,664,212; Mar. 27.
- Hawksworth, David W., Birmingham, assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,655,419; Jan. 10.
- Hawksworth, David W., Birmingham, assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car roof. 1,674,111; June 19.
- Hawksworth, Frank G., Westmont, N. J., assignor to The S. S. White Dental Manufacturing Company. Dental bite-taking implement. 1,673,871; June 19.
- Hawley, Charles G. (See Schutz, Joseph M., assignor.)
- Hawley, Charles G., Chicago, Ill. Marine-type steam boiler. 1,654,809; Jan. 3.
- Hawley, Charles G., Chicago, Ill. Steam boiler and setting. 1,655,057; Jan. 3.
- Hawley, Charles G., Chicago, Ill. Steam boiler. 1,655,058; Jan. 3.
- Hawley, Charles G., Chicago, Ill. Steeped radiant-heat steam boiler. 1,666,532; Apr. 17.
- Hawley, Charles G., Chicago, Ill. Steam-boiler header. 1,666,566; Apr. 17.
- Hawley, Charles G., Chicago, Ill. Radiant-heat steam boiler and setting. 1,666,567; Apr. 17.
- Hawley, Charles G., Chicago, Ill. Heading hollow stay bolts. 1,672,567; June 5.
- Hawley, Charles G., Chicago, Ill. Steeped radiant-heat steam boiler. 1,683,972; Sept. 11.
- Hawley, Charles G., Chicago, Ill. High-pressure steam boiler. 1,692,442; Nov. 20.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Locomotive steam purifier. Re17,058; Aug. 7.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Gas-cleaning apparatus. 1,663,597; Mar. 27.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Suction air intake. 1,664,683; Apr. 3.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Hot filtration. 1,668,807; May 8.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Deconcentrator. 1,668,904; May 8.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Locomotive steam purifier. 1,668,905; May 8.
- Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,669,414; May 15.
- Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive fire box. 1,676,732; July 10.
- Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Machine for forming, bending, folding, and shaping heavy metal sheets. 1,676,733; July 10.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Steam purifier for locomotive boilers. 1,679,358; Aug. 7.
- Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,681,405; Aug. 21.
- Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive-boiler fire box. 1,682,964; Sept. 4.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,684,020; Sept. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Separator. 1,684,021; Sept. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Receiver separator. 1,684,022; Sept. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Automobile air cleaner. 1,684,023; Sept. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Steam purifier. 1,684,024; Sept. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Line filter. 1,684,025; Sept. 11.
- Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Roof ventilator. 1,684,026; Sept. 11.
- Hawley, Charles G., Cleveland, Ohio. Reinforcement for welded seams. 1,665,360; Apr. 10.
- Hawley, Charles G., Cleveland, Ohio, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,667,111; Apr. 24.
- Hawley, Charles G., Cleveland, Ohio, assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,667,112; Apr. 24.
- Hawley, George D., Lowell, Mass. Spool holder. 1,688,273; Oct. 16.
- Hawley, Jesse B., Wilmette, Ill., assignor, by mesne assignments, to Arvey Manufacturing Co. Method of and apparatus for forming fibrous pulp receptacles. 1,673,047; June 12.
- Hawley, John B., jr., Minneapolis, Minn. Tie rod. 1,667,252; Apr. 24.
- Hawley, John B., jr., Minneapolis, Minn. Tie rod for concrete forms. 1,667,253; Apr. 24.
- Hawley, Kent A., New York, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,661,823; Mar. 6.
- Hawley, Kent A., New York, N. Y., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 1,688,015; Oct. 16.
- Hawley, Kent A., assignor to Locke Insulator Corporation, Baltimore, Md. Anchor clamp. 1,693,440; Nov. 27.
- Hawley, William E., Pittsburgh, Pa. Switch panel. 1,688,078; Oct. 16.
- Hawn, Andrew P., Goodland, Ind. Gasoline gauge. 1,656,064; Jan. 10.
- Haworth, William H., Green Bay, Wis. Antenna. 1,689,629; Oct. 30.
- Hawthorn, James M., assignor to The Duplex Gas Turbine Company, Inc., Everett, Wash. Gas turbine. 1,684,824; Sept. 18.
- Hawthorn, Jefferson H., Powell, Tex. Cotton tramper. 1,654,972; Jan. 3.
- Hawthorne, Louis A., Hillside, assignor to Anchor Post Fence Company, Garwood, N. J. Gate hinge. 1,694,914; Dec. 11.
- Hawxhurst, Henry I., Sierra Madre, Calif. Gymnastic appliance. 1,675,552; July 3.
- Hawxhurst, John J., assignor to Liquid Dispensing Systems, Inc., Brooklyn, N. Y. Liquid-delivery apparatus. 1,680,457; Aug. 14.
- Hay, Charles W., and R. G. Johnson, Coalinga, Calif. Heaving plug. 1,670,964; May 22.
- Hay, Harry C., assignor, by mesne assignments, to The Crim, Wadsworth & Thiel Auto Theft Alarm Development Company, Cincinnati, Ohio. Automobile theft-alarm system. 1,689,434; Oct. 30.
- Hayden, Alfred J., Daytona Beach, Fla. Luggage carrier for vehicles. 1,660,613; Feb. 28.
- Hayden, Alfred J., Daytona Beach, Fla. Hoe weeder. 1,684,444; Sept. 18.
- Hayden, Arthur C., Brockton, Mass. Film reel. 1,672,214; June 5.
- Hayden, Arthur C., Brockton, Mass. Punch for cutting notches in film reels. 1,679,572; Aug. 7.
- Hayden, Benjamin F., St. Louis, Mo. Gear transmission for automobiles. 1,660,162; Feb. 21.
- Hayden, Eugene M. (See Nemeth, S. P., and Hayden.)
- Hayden, Harold P., Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Concrete construction. 1,684,624; Sept. 18.
- Hayden, Harold P., Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Preventing evaporation from concrete during curing. 1,684,671; Sept. 18.
- Hayden, R. B. (See Russell, R. C., White, and Hayden.)
- Hayden, Robert P., Highland Park, assignor to Johnson & Johnson, New Brunswick, N. J. Dispensing surgical plaster. 1,692,503; Nov. 20.
- Hayden, Robert P., assignor to Johnson & Johnson, New Brunswick, N. J. Packaging surgical napkins. 1,692,504; Nov. 20.
- Hayden, William M., Elroy, Wis. Dentist's tool. 1,674,547; June 19.
- Hayduk, Stanley, et al. (See Widuch, Adam, assignor.)
- Hayek, Andrew A. (See Svanberg, Gustav A., assignor.)
- Hayes, Charles, Paris, France, assignor to Coal Carbonization Company, Conveyer. 1,662,575; Mar. 13.
- Hayes, Francis T., Richmond Hill, N. Y. Display board. Des. 76,136; Aug. 21.
- Hayes, Fred B., assignor to Western Gas Construction Company, Fort Wayne, Ind. Making carbureted water gas. 1,667,518; Apr. 24.
- Hayes, Fred B., assignor to Western Gas Construction Company, Fort Wayne, Ind. Oil-spray purge mechanism for water-gas apparatus. 1,682,277; Aug. 28.
- Hayes, Harvey C., Annapolis, Md. Method of and apparatus for the transmission of fluids through pipes or conduits. 1,671,719; May 29.
- Hayes, Harvey C., Washington, D. C. Measuring distance. 1,692,119; Nov. 20.
- Hayes, Harvey C., Anacostia, D. C., and M. Mason, Chicago, Ill., assignors to Submarine Signal Company, Portland, Me. Directive sound transmission. 1,681,982; Aug. 28.
- Hayes, Irwin B., and M. Burke, Toledo, Ohio. Valve mechanism. 1,671,111; May 29.
- Hayes, James O. (See Sevier, V. N., and Hayes.)
- Hayes, John B., jr., Pegram, Tenn. Air-control device for carburetors. 1,661,943; Mar. 6.
- Hayes, John E. R., Melrose, assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass. Can. 1,677,234; July 17.
- Hayes Mfg. Co. (See Reichel, Alvin S., assignor.)
- Hayes, William, Big Hill, Ky. Antirearing attachment for tractors. 1,690,064; Oct. 30.
- Haymaker, Arthur M., Pittsburgh, Pa. Automatic animal trap. 1,683,181; Sept. 4.
- Hayman, Charles M., Brooklyn, N. Y. Diaphragm-control mounting. 1,684,701; Sept. 18.
- Hayman, Eber J., Parkersburg, W. Va. Metallic-roof joint. 1,693,274; Nov. 27.
- Hayman, William C., Schenectady, N. Y., assignor to General Electric Company. High-tension underground cable. 1,680,679; Aug. 14.

- Haymond, Luella, Salt Lake City, Utah. Polygonal device for abdominal rupture. 1,663,798; Mar. 27.
- Hayne, William G., Brooklyn, N. Y. Food container and heater. 1,683,889; Sept. 11.
- Haynes, Bryce, New York, N. Y. Testing or demonstrating apparatus. 1,688,274; Oct. 16.
- Haynes, Charles W. (See Clier, Quinby, assignor.)
- Haynes, David W., assignor of one-half to M. L. Crow, Great Bend, Kans. Poultry roost. 1,660,265; Feb. 21.
- Haynes, George P., assignor to Todd Dry Dock Engineering & Repair Corporation, Brooklyn, N. Y. Liquid-fuel-delivery apparatus. 1,656,894; Jan. 17.
- Haynes, Hugh S., and W. L. Alexander, Tampico, assignors of one-third to G. E. Paddleford, Tampico, Tamaulipas, Mexico. Casing head for oil wells. 1,696,844; Dec. 25.
- Haynes, Pierre E., East Aurora, N. Y. Automatic stack or fue control. 1,669,707; May 15.
- Haynes, Pierre E., East Aurora, N. Y. System of refrigeration. 1,675,455; July 3.
- Haynes, Pierre E., Buffalo, N. Y., assignor to The Linde Air Products Company. Production of helium from natural gas. 1,664,412; Apr. 3.
- Haynes Stellite Company. (See Franks, R. and Field, assignors.)
- Haynes, Uries J., Pascola, Mo. Emergency wheel for vehicles. 1,681,665; Aug. 21.
- Haynie, Warren F., Philadelphia, Pa. Electric iron and stand. 1,672,809; June 5.
- Hays, B. D. Grand Saline, assignor, by mesne assignments, of one-half to C. A. Fischer, Fort Worth, Tex. Securing device for fan pulleys and the like. 1,688,708; Oct. 23.
- Hays, Clarence J. (See Curtis, Arthur R., assignor.)
- Hays, Clarence R., assignor of one-tenth to A. H. Calkins and nine-twentieths to I. J. Blair, Spokane, Wash. Wheel puller. 1,658,896; Feb. 14.
- Hays, David, Bridgeport, Conn., assignor to General Electric Company. Incandescent-lamp socket. 1,684,268; Sept. 11.
- Hays, Harry S., Moline, Ill. Internal-combustion engine. 1,682,512; Aug. 28.
- Hays Manufacturing Company. (See Hitchcock, Otto G., assignor.)
- Hays, Milton D., Overbrook, Pa. Gravity water motor. 1,685,285; Sept. 25.
- Hays, William L., Sterling, Colo. Air-operated power generator. 1,663,943; Mar. 27.
- Hayton, Thomas R., Appleton, Wis. Tube cleaner. 1,696,677; Dec. 25.
- Hayward Company, The. (See Atkinson, Herbert S., assignor.)
- Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Paper-waxing apparatus. 1,658,485; Feb. 7.
- Haywood, Albert E., Coventry, England. Instrument for drawing, marking out, and measuring or like purposes. 1,666,934; Apr. 24.
- Haywood, Allen T., East Cleveland, Ohio. Stepladder. 1,664,073; Mar. 27.
- Haywood, Fred H., Cleveland, Ohio. Barrel agitator. 1,661,255; Mar. 6.
- Hazard, Clarence C. (See Dailey, Owen R., assignor.)
- Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Check valve. 1,684,987; Sept. 18.
- Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Hose coupling. 1,687,445; Oct. 9.
- Hazard, George E., assignor to Kellogg Manufacturing Company, Rochester, N. Y. Valve. 1,688,185; Oct. 16.
- Hazard, George E., and H. F. Boe, Rochester, N. Y. Washing machine. 1,690,974; Nov. 6.
- Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Air-compressing mechanism. 1,694,218; Dec. 4.
- Hazard, Theodore C., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for cleaning fibrous material. 1,662,030; Mar. 6.
- Hazel, Clayton E., and H. C. Montgomery, Joplin, Mo.: said Montgomery assignor to said Hazel. Attachment for well-drilling apparatus. 1,665,547; Apr. 10.
- Hazel-Atlas Glass Co. (See Crawford, G. C., and Bridges, assignors.)
- Hazel-Atlas Glass Co. (See Dawson, Haller H., assignor.)
- Hazel-Atlas Glass Co. (See Dodge, Alfred W., assignor.)
- Hazel-Atlas Glass Co. (See Pithian, Lon, assignor.)
- Hazel-Atlas Glass Company. (See Williams, John J., assignor.)
- Hazelett, Clarence W., Lakewood, assignor to The Hazelett Storage Battery Company, Cleveland, Ohio. Making storage-battery plates. 1,659,654; Feb. 21.
- Hazelett Storage Battery Company, The. (See Hazelett, Clarence W., assignor.)
- Hazeltine, Benjamin P., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Preventing oxidation of metal pipe while cooling. 1,663,497; Mar. 20.
- Hazeltine Corporation. (See Dreyer, John F., jr., assignor.)
- Hazeltine Corporation. (See Dreyer, John F., jr., and H. W., assignors.)
- Hazeltine Corporation. (See Hazeltine, Louis A., assignor.)
- Hazeltine Corporation. (See MacDonald, William A., assignor.)
- Hazeltine, Louis A., Hoboken, N. J. Signaling system. 1,656,888; Jan. 17.
- Hazeltine, Louis A., Hoboken, N. J. Method and apparatus for converting electric power. 1,657,574; Jan. 31.
- Hazeltine, Louis A., Hoboken, assignor to Hazeltine Corporation, Jersey City, N. J. Wave signaling system. 1,658,638; Feb. 7.
- Hazeltine, Louis A., Hoboken, N. J., assignor to Hazeltine Corporation. Wave signaling system. 1,692,257; Nov. 20.
- Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Circular feeding attachment. 1,657,434; Jan. 24.
- Hazen, Floyd O., Opportunity, Nebr. Automobile power unit. 1,669,299; May 8.
- Hazen, Lysle L., Joplin, Mo. Pump head. 1,686,154; Oct. 2.
- Hazlett, Walter H., Long Beach, assignor of one-quarter to C. A. Rasmussen, Long Beach, and one-quarter to W. A. Trout, Los Angeles, Calif. Underreamer. 1,674,040; June 19.
- Hazlitt, William H., Toronto, Ontario, Canada. Sanitary cuspidor. 1,656,194; Jan. 17.
- Hazzard, Oliver T., St. Louis, Mo. Brush. Des. 76,238; Sept. 4.
- Heacock, Ralph H. (See Koronski, A., and Heacock.)
- Head, Cecil A., Royal Oak, Mich. Steam-heating attachment for radiators. 1,680,104; Aug. 7.
- Head, Drew, Chicago, Ill. Air cleaner. 1,687,090; Oct. 9.
- Head, Drew, Chicago, Ill. Air conditioner. 1,695,426; Dec. 18.
- Head, Ernest C. (See Gleason, J. E., and Head.)
- Head, Ernest C., E. Finsen, and L. O. Carlsen, assignors to Gleason Works, Rochester, N. Y. Gear-cutting machine. 1,656,633; Jan. 17.
- Head, Ernest C., assignor to Gleason Works, Rochester, N. Y. Machine for producing gears. 1,686,523; Oct. 9.
- Head, Percy H., Attenborough, England. Manufacture of strengthened glass. 1,665,413; Apr. 10.
- Headley, Arthur E., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,690,197; Nov. 6.
- Headley, Frederick H. (See Rutherford, Richard, assignor.)
- Headley, Frederick H., Northfield, near Birmingham, England. Scooter. 1,664,853; Apr. 3.
- Headley, Frederick H., Northfield, near Birmingham, England. Metallic chair, stool, seat, and the like. 1,678,006; July 24.
- Headley, Frederick H., Northfield, near Birmingham, England. Chair construction. 1,687,333; Oct. 9.
- Headley, Frederick H., Birmingham, England. Pedal-propelled vehicle. 1,687,334; Oct. 9.
- Headley, Frederick H., Northfield, near Birmingham, England. Perambulator and the like. 1,687,726; Oct. 16.
- Heagerty, William H., and J. J. Mays, assignors to Oil City Boiler Works, Oil City, Pa. Steam-generating organization for heating plants. 1,673,508; June 12.
- Heal, Hammond R. (See Clarson, T., and Heal.)
- Heald, James N., Worcester, Mass., and W. Law, Hartford, Conn., assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,681,183; Aug. 21.
- Heald, James N., Worcester, A. Turner, Shrewsbury, and G. C. Kimmel, Springfield, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,663,760; Mar. 27.
- Heald Machine Company, The. (See Conradson, Prentice, assignor.)
- Heald Machine Company, The. (See Gallimore, Keith F., assignor.)
- Heald Machine Company, The. (See Guild, Waldo J., assignor.)
- Heald Machine Company, The. (See Guild, W. J., and Grimshaw, assignors.)
- Heald Machine Company, The. (See Guild, W. J., and Kenyon, assignors.)
- Heald Machine Company, The. (See Heald, J. N., and Law, assignors.)
- Heald Machine Company, The. (See Heald, J. N., Turner, and Kimmel, assignors.)
- Heald Machine Company, The. (See Heald, R. A., and Guild, assignors.)
- Heald Machine Company, The. (See Heald, R. A., Highberg, and Taylor, assignors.)
- Heald Machine Company, The. (See Kempton, Herbert E., assignor.)
- Heald Machine Company, The. (See Kempton, H. E., and Gallimore, assignors.)
- Heald Machine Company, The. (See Kempton, H. E., Gallimore, and Woytych, assignors.)
- Heald Machine Company, The. (See Taylor, Edward M., assignor.)
- Heald Machine Company, The. (See Woytych, Ramond M., assignor.)
- Heald, Richard A., C. J. Highberg, and E. M. Taylor, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,684,487; Sept. 18.
- Heald, Richard A., and W. J. Guild, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,686,275; Oct. 2.
- Healey-Aeromarine Bus Company. (See Chilton, Roland, assignor.)
- Healey-Aeromarine Bus Company. (See Douglas, William H., assignor.)
- Healey-Aeromarine Bus Company. (See Zimmermann, P. G., and Korvin-Kroukovsky, assignors.)

- Healey, Albert. (See Klein, P., and Healey.)
 Healey, Edward P., New York, N. Y. Catch-basin cleaner. 1,686,658; Oct. 9.
 Healey, Francis R., Cincinnati, and W. E. Beaty, Norwood, Ohio. Globe structure. 1,689,828; Oct. 30.
 Health-O-Meter Company, The. (See Weber, Mathias J., assignor.)
 Healy, Edwin S., et al. (See Malone, Adolph W., assignor.)
 Healy, Ellis C., East Orange, N. J., assignor to International Paper Company. Hoisting mechanism. 1,683,463; Sept. 4.
 Healy, Eugene C. (See Whalen, Nicholas D., assignor.)
 Healy, James H. (See Ruff, D. C., 2d, and Healy, assignors.)
 Healy, James H., et al. (See Ruff, D. C., 2d, and Healy, assignors.)
 Healy, John A., et al. (See Ruff, D. C., 2d, and Healy, assignors.)
 Healy, Leon J. D., Milwaukee, assignor to Wright Rubber Products Company, Racine, Wis. Paving block. Re16,867; Feb. 7.
 Healy, Leon J. D., Milwaukee, assignor to Wright Rubber Products Company, Racine, Wis. Paving block. Re17,020; July 3.
 Healy, Leon J. D., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Hose. 1,668,560; May 8.
 Healy, Marquette A., assignor to Lyon & Healy, Inc., Chicago, Ill. Ukulele. Des. 75,494.
 Healy, William A., assignor to Standard Tube & Manufacturing Company, Detroit, Mich. Automobile heater and muffler. 1,658,047; Feb. 7.
 Heany, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Process and apparatus for making asbestos yarn. 1,671,425; May 29.
 Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Electric transmission. 1,676,028; July 3.
 Heany, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Process and apparatus for making yarn. 1,681,234; Aug. 21.
 Heany, John A., New Haven, Conn., assignor to World Bestos Corporation, Paterson, N. J. Apparatus for the manufacture of yarn. 1,688,620; Oct. 23.
 Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Pneumatic shock absorber. 1,690,110; Nov. 6.
 Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Fuel-supply system. 1,693,114; Nov. 27.
 Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Antifriction air-spring assembly. 1,693,603; Dec. 4.
 Heany, John A., assignor to Heany Laboratories, Inc., New Haven, Conn. Air spring. 1,694,821; Dec. 11.
 Heany Laboratories. (See Heany, John A., assignor.)
 Heany Laboratories, Inc. (See Heany, John A., assignor.)
 Heaphy, Edward T., et al. (See Marshall, Arthur J., assignor.)
 Heaphy, William A., et al. (See Marshall, Arthur J., assignor.)
 Heard, Nathan, Newton, assignor to Draper Corporation, Hopedale, Mass. Loom dobby. 1,685,065; Sept. 18.
 Hearn, John E., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selector switch. 1,689,340; Oct. 30.
 Hearne, Robert J., New York, N. Y. Worktable for factory use. 1,668,072; May 1.
 Heart, Herbert L., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Control system for elevators. 1,680,784; Aug. 14.
 Heasley, Charles W., Pittsburgh, Pa. Cuff link. 1,686,235; Oct. 2.
 Heat Research and Service Corporation, The. (See Deppeler, John H., assignor.)
 Heat Treating Company. (See Doherty, Henry L., assignor.)
 Heat Treating Company. (See Fisher, James P., assignor.)
 Heat Treating Company. (See Laird, Wilbur, G., assignor.)
 Heath, Earl, Marinette, Wis. Soft-wood corner reinforcement. 1,673,565; June 12.
 Heath, Frank, National City, Calif. Fish directing and turning apparatus. 1,689,919; Oct. 30.
 Heath, Frank, National City, Calif. Fish-directing apparatus. 1,689,920; Oct. 30.
 Heath, George B., St. Louis, Mo. Apparatus for making concrete poles. 1,658,922; Feb. 14.
 Heath, George W., Newark, N. J. Variable electric condenser. 1,686,378; Oct. 2.
 Heath, Harry C., assignor to Household Necessity Company, San Francisco, Calif. Washing apparatus. 1,663,911; Mar. 27.
 Heath, Roy W., Kalamazoo, Mich. Making dental plate molds and dental plates. 1,674,721; June 26.
 Heather, Frederick, Fulham, London, England. Exhaust silencer for internal-combustion or other engines. 1,695,375; Dec. 18.
 Henthman, R. W., et al., trustees. (See Buchet, C. R., and Baker, assignors.)
 Heaton, Arnold D., and J. O. Lang, Liversedge, England. Pressing of fabrics. 1,691,476; Nov. 13.
 Heaton, Arnold D., and J. O. Lang, Liversedge, England. Plant for pressing fabrics. 1,691,477; Nov. 13.
 Heaton, Herman C., Chicago, Ill. Dumping vehicle. 1,684,095; Sept. 11.
 Heaton, Herman C., Kenilworth, Ill., assignor to Wheeler Condenser & Engineering Company, Carteret, N. J. Surface condenser. 1,660,163; Feb. 21.
 Heaton, Herman C., Chicago, Ill., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,664,859; Apr. 3.
 Heaton, Herman C., Chicago, Ill., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,682,278; Aug. 28.
 Heaton, Nathan C., Westmont, assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Stencil-cutting attachment for typewriters. 1,660,008; Feb. 21.
 Heaton, Nathan C., Westmont, assignor to Montgomery Ward & Company, Chicago, Ill. Feed mechanism for stencil-cutting machines. 1,676,551; July 10.
 Hebb, Ammon W., New York, N. Y. Connecting device. 1,678,467; July 24.
 Hebbard, Harrison, East Orange, assignor to Dominick & Haft, Inc., Newark, N. J. Bowl or similar article. Des. 74,604; Mar. 6.
 Hebbard, Harrison, East Orange, assignor to Dominick & Haft, Inc., Newark, N. J. Handle for a knife or similar article. Des. 74,834; Apr. 3.
 Hebbard, Harrison, East Orange, assignor to Dominick & Haft, Inc., Newark, N. J. Spoon or similar article. Des. 74,884; Apr. 10.
 Hebbard Manufacturing Company. (See Shackelford, Edward H., jr., assignor.)
 Hebbard, William B., Trumansburg, N. Y. Bagholder. 1,692,443; Nov. 20.
 Hebden, Frank S., assignor to Merrick Scale Mfg. Company, Passaic, N. J. Automatic weighing and recording mechanism. 1,668,073; May 1.
 Hebden, Frank S., assignor to Merrick Scale Mfg. Company, Passaic, N. J. Automatic weighing mechanism. 1,690,679; Nov. 6.
 Hebden, George R., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Switch box. 1,686,969; Oct. 9.
 Hebden, John C., assignor to Hebden Sugar Process Corporation, New York, N. Y. Decanter. 1,662,702; Mar. 13.
 Hebden Sugar Process Corporation. (See Hebden, John C., assignor.)
 Hebebrand, George H. (See Neal, B., and Hebebrand.)
 Heberlein & Co. A. G. (See Bodmer, Albert, assignor.)
 Heberlein, Georges, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Filtered fabric and producing same. 1,667,892; May 1.
 Heberlein Patent Corporation. (See Bodmer, Albert, assignor.)
 Heberlein Patent Corporation. (See Heberlein, Georges, assignor.)
 Heberlin & Co. A. G. (See Bodmer, Albert, assignor.)
 Heberling, John, Rochester, N. Y. Pin-wheel toy. 1,673,330; June 12.
 Heberling, John, Rochester, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Copyholder. 1,668,906; May 8.
 Hebern, Edward H., Oakland, Calif., assignor, by mesne assignments, to International Code Machine Company, Reno Nev. Electric code machine. 1,683,072; Sept. 4.
 Hebig, Henry C., Hoffmans, N. J., assignor to H. H. Boyce, Jericho, N. Y. Spherical heat indicator for automotive internal-combustion engines. 1,693,984; Dec. 4.
 Hebner, George J., Rochester, N. Y. Fastening device for ladders. 1,684,269; Sept. 11.
 Hechenbleikner, Ingeninn, Charlotte, N. C., assignor to Chemical Construction Company, New York, N. Y. Phosphoric-acid manufacture. 1,667,549; Apr. 24.
 Hechler, Frederick W., Darby, Pa. Handle for coffeepots or the like. 1,667,519; Apr. 24.
 Hecht, Frank A., jr., assignor to Kaestner & Hecht Company, Chicago, Ill. Control board for elevators. 1,686,000; Oct. 2.
 Hecht, Heinrich. (See Hahnemann, W., and Hecht.)
 Hecht, Heinrich. (See Hahnemann, W., Hecht, and Nielsen.)
 Hecht, Joseph L., assignor, by mesne assignments, to French & Hecht, Inc., Davenport, Iowa. Wheel hub. 1,663,127; Mar. 20.
 Hecht, Leo., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Dish or article of analogous nature. Des. 77,059; Dec. 4.
 Hecht, Leo., New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lantern body or article of analogous nature. Des. 77,090; Dec. 4.
 Hecht, Max. (See Rodman, C. J., and Hecht.)
 Heck, Clarence P., and J. R. Sater, Hope, Ind. Envelope opener. 1,666,533; Apr. 17.
 Heck, John B., jr., and J. J. Sweeney, Toledo, Ohio. Anesthetizing. 1,688,332; Oct. 23.
 Heck, William, Saddlery Company. (See Stegner, George P., assignor.)
 Hecker, John H., Gardnerville, Nev. Cheese-curd knife. 1,695,761; Dec. 18.
 Heckman, Edward L., Notre Dame, Ind. Steering wheel. 1,677,082; July 10.

- Hedberg, John A., assignor to The Spring Floor Trap & Manufacturing Company, Denver, Colo. Animal trap. 1,675,028; June 26.
- Hedberg, Leonore F. C. C. W., née Ilse, Stockholm, Sweden. Hair-undulating apparatus. 1,678,433; July 24.
- Hedden, Vern D., Santa Barbara, Calif. Constructing buildings. 1,694,542; Dec. 11.
- Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Fish bait. 1,663,080; Mar. 20.
- Heddon, Charles, assignor to James Heddon's Sons, Dowagiac, Mich. Artificial bait. 1,692,935; Nov. 27.
- Heddon's, James, Sons. (See Heddon, Charles, assignor.)
- Heddon's James, Sons. (See Welch, Jack T., assignor.)
- Hedeen, Elmer. (See Hughes, A. S., and Hedeon.)
- Hedeen, Elmer, assignor to The Hughes-Keenan Company, Mansfield, Ohio. Stair construction. 1,684,764; Sept. 18.
- Hedeen, Elmer, assignor to The Hughes-Keenan Company, Mansfield, Ohio. Stair construction. 1,684,765; Sept. 18.
- Hedeen, Elmer, assignor to The Hughes-Keenan Company, Mansfield, Ohio. Metallic stair. 1,684,766; Sept. 18.
- Hedemark, Edward L., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Escutcheon plate. Des. 75,241; May 22.
- Hedén, Gustaf, New York, N. Y. Buoying and driving mechanism for flying machines. 1,680,680; Aug. 14.
- Hedenstrom, Ernest A. (See Ronning, A. G. and A., and Hedenstrom.)
- Hedgcock, James A., assignor to The Management Engineering and Development Company, Dayton, Ohio. Flow regulation. 1,687,446; Oct. 9.
- Hedgcock, William C., Chicago, Ill., and L. L. Whitney, Hammond, Ind., assignors to American Steel Foundries, Chicago, Ill. Brake-beam fulcrum. 1,660,508; Feb. 28.
- Hedges, Edward G., Newark, N. J. Flush valve. 1,663,701; Mar. 27.
- Hedgcs, George L., assignor to The P. A. Geier Company, Cleveland, Ohio. Clothes-wringer mechanism. 1,687,764; Oct. 16.
- Hedgion, Mead, Syracuse, N. Y. Wall cabinet for ironing machines. 1,687,765; Oct. 16.
- Hedgion, Mead, Syracuse, N. Y. Table for ironing machines. 1,687,766; Oct. 16.
- Hedgion, Mead, Syracuse, N. Y. Folding table for ironing machines. 1,687,767; Oct. 16.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Turnstile lock and release device. 1,655,501; Jan. 10.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Control mechanism for change making and ejecting devices. 1,680,458; Aug. 14.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Passageway-control mechanism. 1,688,709; Oct. 23.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Protecting electrical line conductors. 1,690,580; Nov. 6.
- Hedlund, William T., New York, N. Y. Steam plant. 1,682,674; Aug. 28.
- Hedman Manufacturing Company. (See Lippe, Martin, assignor.)
- Hedrich, Herman, Brooklyn, N. Y. Padlock. 1,667,254; Apr. 24.
- Hedrick, Joseph G., Hailey, Idaho, and C. H. Neusis, Baker, Oreg. Adjustable shade and awning for automobile and other windows. 1,681,585; Aug. 21.
- Hedström, Erik G., Stockholm, Sweden. Root-filling substance. 1,678,940; July 31.
- Hedstrom, Gustav V., Kenosha, Wis. Supporting frame for instruments of radio sets. 1,690,065; Oct. 30.
- Hedstrom, Otto, assignor of one-half to P. W. Fulford, Chicago, Ill. Curling machine. 1,675,296; June 26.
- Hedwig Mfg. Co. (See Wenzel, Carl E., assignor.)
- Heefner, La Port W., Greensburg, assignor to Pennsylvania Rubber Company, Jeannette, Pa. Vehicle tire. Des. 76,478; Oct. 2.
- Heefner, La Port W., Greensburg, assignor to Pennsylvania Rubber Company, Jeannette, Pa. Vehicle tire. Des. 77,234; Dec. 18.
- Heegner, Kurt, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches Ufer, Berlin, Germany. Arrangement for the generation of oscillations. 1,656,195; Jan. 17.
- Heekin Can Company, The. (See Wuest, J., and Ludwig, assignors.)
- Heenan & Froude Limited. (See Walker, George H., assignor.)
- Heer, Edward E. (See Schepman, Frederick W., assignor.)
- Heeren, Martin, Newton, Iowa. Track chock for car wheels. 1,686,379; Oct. 2.
- Heese, Henry, Jersey City, N. J. Detachable connection for the cables of lightning-arrester systems. 1,679,969; Aug. 7.
- Heess, Albert, Stuttgart-Cannstatt, and O. Schilling, Stuttgart-Untertürkheim, assignors, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Roller bearing. 1,657,536; Jan. 31.
- Heeter, Allen, assignor to The Vulcan Last Company, Portsmouth, Ohio. Golf club. 1,660,126; Feb. 21.
- Heeter, Allen, assignor to The Vulcan Last Company, Portsmouth, Ohio. Golf club. 1,673,361; June 12.
- Heeter, Allen, and W. G. Mattern, assignors to The Vulcan Last Company, Portsmouth, Ohio. Golf club. 1,680,881; Aug. 14.
- Heeter, Joseph W., Butler, Pa. Oil saver for oil wells and packing screws therefor. 1,695,332; Dec. 18.
- Heeter, Thomas E., St. Louis, Mo. Cutting and wrapping index tabs. 1,686,132; Oct. 2.
- Heffelbower, George F., Flint, Mich. Safety-razor-blade holder. 1,684,830; Sept. 18.
- Heffernan, Cornelius D., Cleveland, Ohio. Hose reel. 1,664,074; Mar. 27.
- Heffernan, Edward, Gladesville, near Sydney, assignor to D. O. Y. Narme, Sydney, Australia. Stay for casement windows and the like. 1,678,511; July 24.
- Heffner, Ruth R., Clearfield, Pa. Roaster. 1,660,226; Feb. 21.
- Heft, Hattie L., M. B. Van Arsdale, and D. E. Shank, New York, N. Y., assignors to Teachers College. Edible product and producing same. 1,676,899; July 10.
- Hefti, Fritz. (See Schnorf, C., and Hefti.)
- Heftler, Victor R., Detroit, Mich. Assembling filter-stack units. 1,694,939; Dec. 11.
- Hegan, Chester P. (See Reed, W. M., and Hegan.)
- Hege, John R., Winston-Salem, N. C. Lubricant supply system. 1,656,857; Jan. 17.
- Hegedus, Joseph, College Point, N. Y. Interchangeable shoe heel. 1,673,452; June 12.
- Hegel, George W., Schenectady, and G. R. Brophy, Niskayuna, N. Y., assignors to General Electric Company. Carburation of metals. 1,696,603; Dec. 25.
- Hegenbarth, Francis, St. Louis, Mo. Wave motor. 1,682,176; Aug. 28.
- Hegenberger, Albert F., and G. P. Luckey, Dayton, Ohio. Controlling spring resistance. 1,674,548; June 19.
- Heger, Björn, Vestre Aker, near Oslo, Norway. Electromotor. 1,692,735; Nov. 20.
- Hegerland, Mike, Woodville, Wis. Hay-loading device. 1,666,092; Apr. 17.
- Heggan, Arthur R., Dover, Del. Pump bleeder. 1,688,420; Oct. 23.
- Hegge, Martin, Los Angeles, Calif. Wave motor. 1,667,152; Apr. 24.
- Heggem, Alfred G., Tulsa, Okla. Underreamer. 1,656,436; Jan. 17.
- Heggem, Alfred G., Tulsa, Okla. Valve. 1,695,014; Dec. 11.
- Heggie Simplex Boiler Company. (See Birchfield, Robert W., assignor.)
- Heginbottom, Walter G., and J. R. Francis, Flint, Mich. Intake manifold for internal-combustion engines. 1,675,349; July 3.
- Heginbottom, Walter G., and J. R. Francis, Flint, Mich. Thermostatic heat control for internal-combustion engines. 1,688,387; Oct. 23.
- Heginbottom, Walter G., and J. R. Francis, Flint, Mich. Manifold for internal-combustion engines. 1,691,114; Nov. 13.
- Hegland, Harvey L., Aitkin, Minn. Combined draft and steering gear. 1,662,671; Mar. 13.
- Heichen, Morris, Brooklyn, N. Y. Electric-fixture mount. 1,664,624; Apr. 3.
- Heichert, Herman S., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Leer construction. 1,683,973; Sept. 11.
- Heidbrink, Jay A., Minneapolis, Minn. Anæsthetizing apparatus. 1,667,113; Apr. 24.
- Heidbrink, Jay A., Minneapolis, Minn. Clamp for anæsthetizing machines. 1,687,768; Oct. 16.
- Heide, Henry, New York, N. Y. Pipe chain vise. 1,666,173; Apr. 17.
- Heideman, Fred J. (See Whitehead, T. C., and Heideman.)
- Heideman, Fred J., Detroit, assignor of ninety per cent to T. C. Whitehead, River Range, Mich. Pump construction. 1,659,104; Feb. 14.
- Heideman, Fred J., assignor to T. C. Whitehead, Detroit, Mich. Shaft coupling. 1,660,195; Feb. 21.
- Heideman, Fred J., assignor to T. C. Whitehead, Detroit, Mich. Pump assembly. 1,672,125; June 5.
- Heideman, Fred J., assignor to T. C. Whitehead, Detroit, Mich. Resilient support. 1,685,778; Oct. 2.
- Heideman, Fred J., assignor to T. C. Whitehead, Detroit, Mich. Pump-valve assembly. 1,696,272; Dec. 25.
- Heiden, Simon, Detroit, Mich. Locomotive-tender-tank feeder. 1,684,319; Sept. 11.
- Heidenhain, Heinrich, Wenatchee, Wash. Drying fruits. 1,665,627; Apr. 10.
- Heidberg, Fritz, Philadelphia, Pa. Protective colloid and preparing the same. 1,658,289; Feb. 7.
- Heidt, Gulelmus V., Governors Island, N. Y. Hat net. Des. 77,154; Dec. 11.
- Heidt, Michael, Brooklyn, N. Y. Window guard. 1,682,375; Aug. 28.
- Heikenskjöld, Gustaf O. W., Lidings-Brevik, Sweden. Heat-exchange apparatus. 1,656,790; Jan. 17.
- Heikenskjöld, Gustaf O. W., assignor to Aktiebolaget Båsta, Stockholm, Sweden. Preparation of yeast. 1,680,043; Aug. 7.
- Heil Co., The. (See Heil, Julius P., assignor.)
- Heil, Julius P., assignor to The Heil Co., Milwaukee, Wis. Manhole cover. 1,683,823; Sept. 11.
- Heil, Julius P., and A. Borchardt, Milwaukee, Wis. Hand hoist for trucks. 1,659,872; Feb. 21.
- Heiland, Albert H., Seattle, Wash. Card index and signal therefor. 1,688,965; Oct. 23.

- Heilmann, Marlin W., Tarentum, Pa. Sterilizer. 1,688,144; Oct. 16.
- Hellmann, Carl A., Skjelskor, Denmark. Boll-weevil destroyer. 1,665,960; Apr. 10.
- Heim, Lewis R., Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding apparatus. 1,683,974; Sept. 11.
- Heim, Lewis R., Danbury, Conn., assignor, by mesne assignments to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding device. 1,691,061; Nov. 13.
- Heim, Lewis R., Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Roll-grinding apparatus. 1,692,833; Nov. 27.
- Heim, Lewis R., Danbury, Conn., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Art and apparatus for producing ground articles. 1,692,834; Nov. 27.
- Heiman, Samuel. (See Davis, J. P., and Heiman.)
- Heimbach, William H. (See Switzer, Henry W., assignor.)
- Heimberger, Hermann, Tubingen, Germany. Endoscope. 1,675,216, June 26.
- Heimburger, Douglas D., St. Louis, Mo., assignor to Marquette Manufacturing Company. Nozzle. 1,660,557; Feb. 28.
- Heimlich, Ernst L. A., Bremen, Germany. Apparatus for obtaining the bast of stalked plants. 1,689,387; Oct. 30.
- Hein, George N., San Francisco, Calif. Controlling the fluid outlet of ampules. 1,658,720; Feb. 7.
- Hein, George N., San Francisco, Calif. Coupling and locking device for syringes. 1,668,315; May 1.
- Hein, George N., San Francisco, Calif. Inverted hypodermic syringe. 1,670,570; May 22.
- Hein, George N., San Francisco, Calif. Hypodermic syringe and means for retaining same. 1,683,349; Sept. 4.
- Hein, George N., San Francisco, Calif. Lock for hypodermic needles and the like. 1,683,350; Sept. 4.
- Hein, George N., San Francisco, Calif. Syringe. 1,687,091; Oct. 9.
- Hein, George N., assignor to Neutype Instrument Company, San Francisco, Calif. Adjustable packing for hypodermic syringes. Re17,059; Aug. 7.
- Hein, Julius, Lakewood, Ohio. Machine for shaping the ends of hollow ducts. 1,694,685; Dec. 11.
- Heine Boiler Company. (See Burke, Robert F., assignor.)
- Heine Boiler Company. (See Cotton, Alfred, assignor.)
- Heine Boiler Company. (See Gauss, Henry F., assignor.)
- Heine Boiler Company. (See Spencer, Robert L., assignor.)
- Heine Boiler Company. (See Wehmeyer, Clarence W., assignor.)
- Heine, Herman E. (See Schlesinger, L., and Heine.)
- Heine, Herman E., assignor to Bradley Washfountain Company, Milwaukee, Wis. Check valve and screen. 1,661,424; Mar. 6.
- Heine, Herman E., assignor to Bradley Washfountain Company, Milwaukee, Wis. Trap. 1,676,029; July 3.
- Heinemann, John P., Providence, R. I. Valve mechanism for engines. 1,656,065; Jan. 10.
- Heiner, Leonard K., and W. M. Moore, assignors of one-fourth to A. L. Elliott, Phillipsburg, Kans. Fluid clutch. 1,657,826; Jan. 31.
- Heiner, Leonard K., and W. M. Moore, assignors of one-fourth to A. L. Elliott, Phillipsburg, Kans. Power-transmitting and brake unit. 1,657,827; Jan. 31.
- Heiney, John W., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Tank mounting. 1,658,923; Feb. 14.
- Heinicke, Herbert M. E. (See Beath, C. P., and Heinicke.)
- Heiniger, William B., Jersey City, N. J. Automatic pressure retaining and sustaining valve for air-brake systems. 1,658,678; Feb. 7.
- Heinitz, Woldemar, Chemnitz, Germany. Straight-knitting frame. 1,682,965; Sept. 4.
- Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 74,175; Jan. 3.
- Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 74,670; Mar. 13.
- Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Company, Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 75,242; May 22.
- Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 75,366; May 29.
- Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 76,239; Sept. 4.
- Heinke, Alfred J., Towaco, N. J., assignor to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 76,393; Sept. 25.
- Heinkel, C. F. (See Muth, John H., assignor.)
- Heinle, Albert G., Crafton, assignor of three-eighths to T. A. McQuade, Pittsburgh, Pa. Apparatus for making chains. 1,666,380; Apr. 17.
- Heinle, Albert G. and A. W., Crafton, Pa. Method of and apparatus for making tapered disks. 1,658,195; Feb. 7.
- Heinle, Albert W. (See Heinle, Albert G. and A. W.)
- Heinrich, Hugo, Zwickau, Germany. Engine, pump, compressor, and the like. 1,658,803; Feb. 14.
- Heinrich, Jules. (See Currier, K. G., and Heinrich.)
- Heinrich, Lanz Aktiengesellschaft. (See Sipp, Karl, assignor.)
- Heinrich, Walter A., assignor, by mesne assignments, to W. N. Matthews Corporation, St. Louis, Mo. System of painting. 1,656,858; Jan. 17.
- Heinrich, Walter A., assignor to W. N. Matthews Corporation, St. Louis, Mo. Reel. 1,688,582; Oct. 23.
- Heinrich, Walter A., assignor to W. N. Matthews Corporation, St. Louis, Mo. Switch. 1,689,527; Oct. 30.
- Heinrichs, Berg, Chicago, Ill., assignor to Mid-West Box Company, Anderson, Ind. Cutting and perforating mechanism. 1,664,413; Apr. 3.
- Heinsius, Albert J., Pittsburgh, Pa. Control device for motor vehicles. 1,657,623; Jan. 31.
- Heinsobn, Edwin I., Cleveland, assignor to The Glascote Company, Euclid, Ohio. Heat-exchanging coil. 1,689,435; Oct. 30.
- Heintz Edith R., Cincinnati, Ohio. Separable fastener. 1,696,118; Dec. 18.
- Heintz, Ernest E., and T. P. Archer, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 1,655,695; Jan. 10.
- Heintz, Ernest E., and T. P. Archer, assignors to Ternstedt Manufacturing Co., Detroit, Mich. Window regulator. 1,655,696; Jan. 10.
- Heintz, George W., New Orleans, La. Rabbit-carrying truck for greyhound racing. 1,692,736; Nov. 20.
- Heintz, Leo I., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Top for automobile bodies. 1,688,867; Oct. 23.
- Heintz Manufacturing Company. (See D'Ardenne, W. H., Landis, and Christensen, assignors.)
- Heintz Manufacturing Company. (See Heintz, Leo I., assignor.)
- Heintz Manufacturing Company. (See Lambert, Albert L., assignor.)
- Heintz, Norman M., Hespeler, Ontario, Canada. Sanding machine. 1,689,829; Oct. 30.
- Heintze, Conrad, Chicago, Ill., assignor to Hanovia Chemical and Mfg. Co. Medical electrical apparatus. 1,669,468; May 15.
- Heintze, Georg, Hanover, Germany. Machine for drawing wool or other textile fiber materials. 1,672,527; June 5.
- Heinz Floral Rack Co. (See White, Clarence J., assignor.)
- Heinz, John L. C., Chicago, Ill. Hinge means for casement windows. 1,678,512; July 24.
- Heinz, Julius A., deceased, Pesotum, Ill.; K. K. Heinz and F. B. Hamill, executors. Arm and bottle holder. 1,671,862; May 29.
- Heinz, Kathryn, et al., executors. (See Heinz, Julius A.)
- Heinz, Peter M., Dubuque, Iowa. Universal setting gauge. 1,661,944; Mar. 6.
- Heinzen, Carl, deceased, Chicago, Ill.; H. E. Heinzen, administratrix. Beverage shaker. 1,657,927; Jan. 31.
- Heinzen, Henriette E., administratrix. (See Heinzen, Carl.)
- Heinzman, Robert C., Cincinnati, Ohio. Reconditioning iron and steel drums. 1,696,036; Dec. 18.
- Heise, George W. (See Lyon, G. A., Erwin, and Heise.)
- Heise, George W., Bayside, and H. H. Thompson, Flushing, N. Y., assignors to National Carbon Company, Inc. Dry cell. 1,667,317; Apr. 24.
- Heise, Otto W., Bridgeport, Conn., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Nonvibrating gauge. 1,664,776; Apr. 3.
- Heise, Otto W., Bridgeport, Conn., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Alarm gauge. 1,689,530; Oct. 30.
- Heisel, Ralph E., Chillothe, assignor, by mesne assignments, to Paper Machinery Corporation, Dayton, Ohio. Paper-making machinery. 1,679,523; Aug. 7.
- Heisel, Ralph E., Chillothe, assignor to The Mead Pulp & Paper Company, Dayton, Ohio. Paper-making machinery. 1,687,447; Oct. 9.
- Heisel, Ralph E., Chillothe, assignor to The Mead Pulp & Paper Company, Dayton, Ohio. Paper machinery. 1,696,119; Dec. 18.
- Heiser, Joseph B., Williamsport, Pa. Radiator-transporting apparatus. 1,670,196; May 15.
- Heisey, A. H., & Company. (See Sanford, Andrew J., assignor.)
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic amplifying system. 1,654,932; Jan. 3.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. 1,655,543; Jan. 10.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signal system. 1,664,860; Apr. 3.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plural-channel secrecy system. 1,666,651; Apr. 17.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave varying and transmitting. 1,672,215; June 5.

- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency transmission and reception. 1,673,006; June 12.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiotransmission. 1,675,888; July 3.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency-grouping arrangement for communication systems. 1,676,614; July 10.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,687,244; Oct. 9.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifying. 1,687,245; Oct. 9.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Inc., New York, N. Y. Frequency arrangement in carrier-wave systems. 1,689,026; Oct. 23.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Highly-selective signal reception. 1,689,341; Oct. 30.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission by modulated waves. 1,690,227; Nov. 6.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency transformer. 1,690,228; Nov. 6.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Energizing vacuum discharge devices by alternating current. 1,696,233; Dec. 25.
- Heising, Raymond A., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Antenna. 1,696,234; Dec. 25.
- Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plural-phase generation or other systems. 1,690,226; Nov. 6.
- Heisler, Beatrice, Alhambra, Calif., assignor to H. C. Heisler. Hair-waving iron. 1,673,071; June 12.
- Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Compressor. 1,683,182; Sept. 4.
- Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Enameling oven. 1,688,710; Oct. 23.
- Heisler, H. C. (See Heisler, Beatrice, assignor.)
- Heisler, Leo R., Akron, Ohio. Power transfer and control device. 1,673,509; June 12.
- Heisser, Otto E., Chicago, Ill. Portable heating cabinet. 1,686,613; Oct. 9.
- Heissler, Hugo E., Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Catalyst for the production of hydrogen. 1,672,528; June 5.
- Heist, Stuart H., Penllyn, assignor to Penn Rubber Products Corporation, Philadelphia, Pa. Making hollow articles. 1,654,647; Jan. 3.
- Heitel, Harry and J., assignors of one-half to H. Jacobson, New York, N. Y. Vanity case. 1,692,300; Nov. 20.
- Heitel, Joseph. (See Heitel, Harry and J.)
- Heiter, Henry L., Brooklyn, N. Y. Container. 1,662,857; Mar. 20.
- Heitmeyer, Herman, Sheldon, Iowa. Meadow cultivator. 1,674,779; June 26.
- Heitmiller, Herbert W., Seattle, Wash. Trolling spoon. 1,683,890; Sept. 11.
- Heitz, Leonard F., Lake Mills, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Gudgeon structure for churns and butterworkers. 1,667,004; Apr. 24.
- Heitz, Leonard F., Lake Mills, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Rotary pump. 1,672,257; June 5.
- Heiz, Helen, Detroit, Mich. Hair-waving comb. 1,656,196; Jan. 17.
- Heizer, Frederick, Sioux City, Iowa. Dialing device for telephones. 1,669,751; May 15.
- Hekrdle, Frank J., Davidson, Saskatchewan, Canada. Match box. 1,670,258; May 15.
- Helander, Linn, Norwood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bleeder turbine. 1,670,069; May 15.
- Helbig, Albin B., Berlin, Germany. Water-cooled furnace walls. 1,681,341; Aug. 21.
- Helburn Thompson Company. (See Walcott, Joseph H., assignor.)
- Held, Georges, Brussels, Belgium. Regulating device for heavy oil engines. 1,657,394; Jan. 24.
- Held, Georges, Brussels, Belgium. Spraying device for heavy oil engines. 1,657,395; Jan. 24.
- Held, Georges, Brussels, Belgium. Internal-combustion engine of the two-stroke type. 1,696,799; Dec. 25.
- Held Machine Company, The. (See Kempton, H. E., and Gallimore, assignors.)
- Heldrich, Andrew, New Brunswick, N. J., assignor to American Incubator Manufacturing Co., Inc. Lighting ring. 1,668,074; May 1.
- Heldrich, Andrew, New Brunswick, N. J., assignor to American Incubator Manufacturing Co., Inc. Burner wick. 1,693,604; Dec. 4.
- Hele-Shaw, Henry S., R. C. B. Stillman, and J. A. Pickard, London, England. Rotary filter. 1,666,381; Apr. 17.
- Hele-Shaw, Henry S., and A. Beale, London, England. Separation of liquids. 1,690,537; Nov. 6.
- Helfenstein, Frederick, jr., and J., assignors of one-third to J. Nathan, Bismarck, N. Dak. Bottle-delivery device. 1,679,824; Aug. 7.
- Helfenstein, John. (See Helfenstein, Frederick, jr., and J.)
- Helfgott, Samuel H., Brooklyn, N. Y. Game. 1,661,723; Mar. 6.
- Helfgott, Solomon, New York, N. Y. Roller remover. 1,655,813; Jan. 10.
- Helfgott, Solomon, New York, N. Y. Gear-rounding-off lathe attachment. 1,661,334; Mar. 6.
- Helfgott, Solomon, New York, N. Y. Hairspring remover. 1,674,644; June 26.
- Helfgott, Solomon, New York, N. Y. Perogen dough cutting and trimming tool. 1,695,427; Dec. 18.
- Helfrich, Anton, Milwaukee, Wis. Automatic nail-clamp attachment for hammers. 1,662,703; Mar. 13.
- Helfrich, John H., Wheaton, Ill. Cosmetic. 1,655,369; Jan. 3.
- Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Dash light. 1,664,684; Apr. 3.
- Helgeby, Ralph O., assignor to A C Spark Plug Company, Flint, Mich. Speedometer-drive adapter. 1,683,035; Sept. 4.
- Helin, Francis A., Watertown, N. Y. Twenty-four-hour clock. 1,676,030; July 3.
- Hellos Corporation. (See Proksa, John, assignor.)
- Helland, Nyman E., C. C. Harrison, and O. A. Bierbrauer, Seattle, Wash. Football-game-reporting device. 1,679,160; July 31.
- Helle, Anton and F., Ruethen, Germany. Chain-making machine. 1,658,924; Feb. 14.
- Helle, Fritz. (See Helle, Anton and F.)
- Helle, Warren W., Hinsdale, Ill. Starting control for internal-combustion engines. 1,659,773; Feb. 21.
- Helle, Warren W., Hinsdale, Ill. Fish bait. 1,689,027; Oct. 23.
- Heller, B. & Company. (See Alsberg, Julius, assignor.)
- Heller, David, New York, N. Y. Flexible seam fastener. 1,694,915; Dec. 11.
- Heller, H. Howard. Sound Beach, Conn. Atomizer. 1,679,305; July 31.
- Heller, Hugo, assignor to A. C. Kootz, Milwaukee, Wis. Loud speaker. Des. 75,561; June 19.
- Heller, Hugo, assignor to A. C. Kootz, Milwaukee, Wis. Loud speaker. Des. 75,562; June 19.
- Heller, Hugo, and J. C. Mitchell, assignors to A. C. Kootz, Milwaukee, Wis. Loud-speaker unit. 1,696,235; Dec. 25.
- Heller, Nathan, Brooklyn, N. Y. Seashore outfit. 1,696,714; Dec. 25.
- Heller, Paul E., Newark, N. J. Golf club. 1,695,806; Dec. 18.
- Heller, Richard D., Boise, Idaho. Weed-seed catcher. 1,659,105; Feb. 14.
- Heller, William, New York, N. Y. Textile fabric. Des. 76,188; Aug. 28.
- Heller, William, New York, N. Y. Textile fabric. Des. 76,189; Aug. 28.
- Heller, William M. (See Stein, C., and Heller.)
- Hellmann, Heinrich, Berlin-Mariefelde, Germany. Manufacturing from metal brake-linings, grinding, or friction bodies. 1,670,571; May 22.
- Hellmund, Rudolf, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. System and method of commutation for frequency changers. 1,655,952; Jan. 10.
- Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,680,414; Aug. 14.
- Hellwig, Bernhard J., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Safety valve. 1,668,075; May 1.
- Hellyer, Clement D., Los Angeles, Calif. Centering and holding device for metal-working machines. 1,674,286; June 19.
- Helm, Charles A., Cleveland, Ohio. Fire-extinguishing apparatus. 1,696,800; Dec. 25.
- Helm, Clyde D., Fort Worth, assignor to Perfection Ice Scoring Machine Company, Waco, Tex. Fluid-pressure-operated ice-scoring machine. 1,673,623; June 12.
- Helman, August E., assignor to The W. S. Tyler Company, Cleveland, Ohio. Screen fastener. 1,663,164; Mar. 20.
- Helman, August E., assignor to The W. S. Tyler Company, Cleveland, Ohio. Making woven-wire screens. 1,678,941; July 31.
- Helmberger, Joseph, Philadelphia, Pa. Electrically-operated shut-off for gas burners and alarms. 1,686,380; Oct. 2.
- Helmer, Louis, New York, N. Y. Refrigerating apparatus. 1,667,350; Apr. 24.
- Helmer, Moses J., St. Paul, Minn. Hydraulic jack. 1,662,922; Mar. 20.
- Helmers, Rudolf, Tacubaya, Mex. Locking device for typewriters. 1,684,702; Sept. 18.
- Helmes, Maximilian J., assignor to Q & C Company, New York, N. Y. Derail. 1,687,667; Oct. 16.
- Helminiak, Bernard F., Milwaukee, Wis. Tube-flaring tool. 1,661,367; Mar. 6.
- Helmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,901; Aug. 7.
- Helmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,693,144; Nov. 27.

- Helmmond, William F., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,696,236; Dec. 25.
- Helmquest, William J., assignor to California Card Manufacturing Company, San Francisco, Calif. Picture holder. 1,679,983; July 31.
- Helmrich, Carl, New York, N. Y. Combined towel service and advertising device. 1,666,288; Apr. 17.
- Helms, Henry C., assignor of one-half to E. C. Kreglo, Indianapolis, Ind. Heat register and cut-off for air-heating systems. 1,691,285; Nov. 13.
- Helms, John H., Fortville, Ind. Clamp. 1,672,937; June 12.
- Helmstein, Lars G. H., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Bogie for railway cars and the like. 1,689,921; Oct. 30.
- Helmus, Edward, Brooklyn, N. Y., and L. C. Burnet, Glen Ridge, N. J. Shock absorber. 1,662,188; Mar. 13.
- Helmuth, Frank J., Oakland, Calif. Lock. 1,661,477; Mar. 6.
- Helsing, Hjalmer B., Moberly, Mo. Drain-ditch check device. 1,696,481; Dec. 25.
- Helstrom, Julmer, Virginia, Minn. Dirigible headlight. 1,688,275; Oct. 16.
- Helson, Peyton, Abbott, Tex. Cotton harvester. 1,684,924; Apr. 3.
- Heltzel, Francis O., Youngstown, Ohio. Nonskid mat for pneumatic tires. Des. 76,240; Sept. 4.
- Heltzel, John N., Warren, Ohio. Concrete form. 1,672,760; June 5.
- Heitzel, John N., Warren, Ohio. Concrete form. 1,682,008; Aug. 28.
- Heltzel, Joseph W., Warren, Ohio. Grooving plastic material. 1,683,292; Sept. 4.
- Heltzel, John N., Warren, Ohio. Road form. 1,690,295; Nov. 6.
- Heltzel, John N., Warren, Ohio. Automobile bumper. 1,695,653; Dec. 18.
- Heltzen, Marion G. (See Heltzen, William S., assignor.)
- Heltzen, William S., Los Angeles County, assignor to M. G. Heltzen, Los Angeles, Calif. Fluid-meter piston and bearing. 1,660,446; Feb. 28.
- Helvey, Oliver J., La Crescenta, Calif. Combined street lamp and sign bracket. Des. 76,190; Aug. 28.
- Helweg, Svend J. (See Smith, C. F., and Helweg.)
- Helwig, William F., Milton, Wis. Tire-chain lock. 1,679,902; Aug. 7.
- Hem, Halvor O., assignor to The Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,654,648; Jan. 3.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Scale-testing device. 1,660,672; Feb. 28.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Predetermined-weight scale. 1,660,673; Feb. 28.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,663,985; Mar. 27.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,667,893; May 1.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,667,894; May 1.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Coin-operated weighing scale. 1,675,975; July 3.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,675,976; July 3.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Coin-controlled weighing scale. 1,685,779; Oct. 2.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,685,780; Oct. 2.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Stabilizing device. 1,689,722; Oct. 30.
- Hemann, Bennard, Ashland, Ky. Metal-processing machine. 1,674,900; June 26.
- Hemco Electric Manufacturing Company. (See McKinley, Benjamin P., assignor.)
- Hemenway, Leslie N., et al. (See Bankwitz, Frederick E., assignor.)
- Hemeon, James R., North Plainfield, N. J. Connective device for flexible couplings. 1,658,441; Feb. 7.
- Heminger, Joel R., Akron, Ohio. Water wings. 1,677,083; July 10.
- Hemingray Glass Company, The. (See Holmes, Minot K., assignor.)
- Hemingway, Wilson, jr., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. System of electrical distribution and switch therefor. 1,656,560; Jan. 17.
- Hemingway, Wilson, jr., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Electric switch lock for automotive vehicles. 1,656,584; Jan. 17.
- Hemingway, Wilson, jr., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Coil box and switch therefor. 1,656,585; Jan. 17.
- Hemingway, Wilson, jr., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Electric switch. 1,656,586; Jan. 17.
- Hemingway, Wilson, jr., Melrose Park, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Ignition system and switch therefor. 1,660,674; Feb. 28.
- Hemingway, Wilson, jr., Philadelphia, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Ignition switch. 1,660,675; Feb. 28.
- Hemingway, Wilson, jr., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Coil easing and switch therefor. 1,669,334; May 8.
- Hemingway, Wilson, jr., Philadelphia, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Ignition system. 1,679,771; Aug. 7.
- Hemingway, Wilson, jr., Melrose Park, Pa., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Locking means for automobiles. 1,694,382; Dec. 11.
- Heminway & Bartlett Silk Company. (See Royce, Charles F., assignor.)
- Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Motor-driven sewing machine. 1,661,824; Mar. 6.
- Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Revolving-hook machine. 1,664,032; Mar. 27.
- Hemmeler, Louis, Bienne, Switzerland. Magneto-electric lighting machine for cycles and motor cycles. 1,688,810; Oct. 23.
- Hemmerle, Frank J. (See Denman, Truman F., assignor.)
- Hemming, Carl H., New Haven, Conn. Table cutlery. 1,685,588; Sept. 25.
- Hemming, Edward K., San Francisco, Calif. Fishing-pole holder. 1,654,876; Jan. 3.
- Hemming, John S., assignor to Fidelity Radio Corporation, Salt Lake City, Utah. Base for loud-speaker units. 1,692,737; Nov. 20.
- Hemmingsen, Torkild V., Copenhagen, Denmark. Two-stroke internal-combustion motor with scavenging and expulsion through ports in the cylinder. 1,693,506; Nov. 27.
- Hemphill Company. (See Gagné, Augustin, assignor.)
- Hemphill Company. (See Gagne, Augustine, assignor.)
- Hemphill Company. (See Lawson, John and R. H., assignors.)
- Hemphill Company. (See Lawson, Robert H., assignor.)
- Hemphill Company. (See Mair, James, assignor.)
- Hemphill, Stewart H., assignor to Grant Elevator Equipment Corporation, New York, N. Y. Adjustable door mechanism. 1,669,752; May 15.
- Hemphill, William, jr., Philadelphia, Pa. Tool. 1,672,642; June 5.
- Hemphill, William N., assignor to The T. Eaton Co. Limited, Toronto, Ontario, Canada. Marking tag. 1,680,459; Aug. 14.
- Hempy, Wilbur J., Kansas City, Mo. Expanding mandrel. 1,689,484; Oct. 30.
- Hemsworth, Thomas A. (See Hemsworth, William G. and T. A.)
- Hemsworth, William G. and T. A., Chicago, Ill. Fixture anchorage. 1,662,059; Mar. 13.
- Henceroth, George C., Independence, Kans. Flowing gas wells. 1,666,779; Apr. 17.
- Hencken, John K., Brooklyn, N. Y. Centrifugal casting machine. 1,665,700; Apr. 10.
- Hencken, John K., Brooklyn, N. Y. Highway buildings. 1,694,383; Dec. 11.
- Hendee, Lem E. (See Kyle, W. D., and Hendee.)
- Hendee, Lem E., Milwaukee, Wis. Solderless connector. 1,663,005; Mar. 20.
- Hendee, Lem E., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Dead-end bracket. 1,665,498; Apr. 10.
- Hendershot, N. W. (See Bergsten, John, assignor.)
- Henderson, Albert, assignor, by mesne assignments, to The Henderson Structural Units Company, Pittsburgh, Pa. Concrete building construction. 1,656,197; Jan. 17.
- Henderson, Albert E., Toronto, Ontario, Canada. Manufacturing tire tubes. 1,683,669; Sept. 11.
- Henderson, Alonzo P., Hanover, Mass. Roofing bracket. 1,691,478; Nov. 13.
- Henderson, Anna I., administratrix. (See Henderson, J. J., and Deering.)
- Henderson, Cecil H., North Melbourne, Victoria, Australia. Combined bumper bar and carrier for motor vehicles. 1,693,202; Nov. 27.
- Henderson, Charles L., assignor to Paper Patents Company, Neenah, Wis. Paper-making machinery. 1,686,322; Oct. 2.
- Henderson, Edwin L., assignor to Wilson-Hurd Company, Wausau, Wis. Fly swatter. 1,662,264; Mar. 13.
- Henderson, Elizabeth E., Dedham, Mass. Sheet-supporting clip. 1,675,755; July 3.
- Henderson, Ella C., Pullman, Wash. Bookrack. 1,691,191; Nov. 13.
- Henderson, Flynn. (See Woolley, Isatah W., assignor.)
- Henderson, Fred, Bisbee, Ariz. Elevator support. 1,693,552; Nov. 27.
- Henderson, Herbert. (See Prichard, G. L., and Henderson.)
- Henderson, Hiram L., Syracuse, N. Y. Apparatus for drying lumber. 1,676,552; July 10.
- Henderson, James B., Blackheath, England. Gyro navigational apparatus. 1,671,583; May 29.
- Henderson, James B., Lee, England. Sighting device. 1,683,073; Sept. 4.
- Henderson, James B., Lee, England. Gun sight. 1,684,825; Sept. 18.
- Henderson, James R., Blackheath, England. Gun mounting. 1,693,712; Dec. 4.
- Henderson, James W., and G. H. Wilson, Dunmore, Pa. Check holder. 1,666,820; Apr. 17.

- Henderson, John J., deceased, Dracut, and H. C. Deering, Malden; A. I. Henderson, administratrix, assignors to Automatic Bobbin Cleaner Co., Boston, Mass. Bobbin-stripper trap. 1,661,724; Mar. 6.
- Henderson, Louis S., Philadelphia, Pa. Rug or similar article. Des. 75,686; July 3.
- Henderson, Louis S., Philadelphia, Pa. Rug or similar article. Des. 77,091; Dec. 4.
- Henderson, N. E., & Son, Incorporated. (See Winkel, George R., assignor.)
- Henderson, Nelson H., assignor to Syracuse Industrial Gas Co., Syracuse, N. Y. Pump. 1,684,490; Sept. 18.
- Henderson, Pruett H., Denver, Colo. Expense-register actuator. 1,657,828; Jan. 31.
- Henderson, Ralph I., Charleston, W. Va. Oil-well plug. 1,657,751; Jan. 31.
- Henderson, Ralph I., Charleston, W. Va. Tool. 1,683,775; Sept. 11.
- Henderson, Robert H., East Orange, N. J. Pipe or conduit elbow former. 1,659,026; Feb. 14.
- Henderson, Robert M., assignor to The Fulton Company, West Allis, Wis. Accelerator. 1,693,897; Dec. 4.
- Henderson Structural Units Company, The. (See Henderson, Albert, assignor.)
- Henderson, Watt A., Birmingham, Ala. Acetylene-gas generator. 1,656,791; Jan. 17.
- Hendery, Gordon L., Montreal, Quebec, Canada. Bottle. Des. 75,622; June 26.
- Hendey, George A., and R. A. Schatzel, Rome, N. Y., said Schatzel assignor to said Hendey. Reflector shield for headlights. 1,678,250; July 24.
- Hendey Machine Company, The. (See Bouillon, Constant, assignor.)
- Hendey Machine Company, The. (See Knight, George H., assignor.)
- Hendey, Manuel. (See Cover, Harry C., assignor.)
- Hendren, Harry A., Sacramento, Calif. Window screen. 1,688,494; Oct. 23.
- Hendrich, Victor P., et al. (See Lindsey, George C., assignor.)
- Hendricks, Allan B., jr., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,677,084; July 10.
- Hendricks, Charles L., San Mateo, Calif. Combined book protector and marker. 1,661,070; Feb. 28.
- Hendricks, Horace W., New York, N. Y. Turn-signal device for vehicles. 1,659,466; Feb. 14.
- Hendricks, Jesse C., Greensburg, Ind. Sound-amplifying horn. 1,677,782; July 17.
- Hendricks, Minnie E., Greenville, S. C. Table and drawers for beds. 1,691,847; Nov. 13.
- Hendricks, Nathan V., Morenci, Mich. Spreader. 1,690,090; Oct. 30.
- Hendrickson, Boyd R., assignor of one-half to F. S. Neal, Bridgeport, Ohio. Smoker's set. Des. 75,243; May 22.
- Hendrickson, Elias E., Watervliet, N. Y., and G. C. Dixon, Indianapolis, Ind. Railroad tie. 1,681,115; Aug. 14.
- Hendrickson, Ira E. (See Brown, P., and Hendrickson.)
- Hendrickson, Magnus, assignor to Hendrickson Motor Truck Company, Chicago, Ill. Motor vehicle. 1,658,164; Feb. 7.
- Hendrickson Motor Truck Company. (See Hendrickson, Magnus, assignor.)
- Hendrickson, Robert O., Racine, Wis. Oil cleaner for internal-combustion engines. 1,661,825; Mar. 6.
- Hendrix, Charles E., Jefferson City, Mo. Humidifier. 1,682,513; Aug. 28.
- Hendrix, Joseph B., assignor of one-half to R. F. Lamons, Walsenburg, Colo. Radiator. 1,657,359; Jan. 24.
- Hendry Machine Company, The. (See Bouillon, Constant, assignor.)
- Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Flash light. 1,656,067; Jan. 10.
- Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,661,945; Mar. 6.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Electric bell. 1,664,107; Mar. 27.
- Hendry, William F., Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Inc. Aeroplane guiding light. 1,664,170; Mar. 27.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Loud speaker. 1,671,639; May 29.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Electrical attachment device. 1,671,640; May 29.
- Hendry, William F., Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Attachment plug. 1,682,335; Aug. 28.
- Hendry, William F., Ossining, assignor to Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Telephone receiver. 1,689,888; Oct. 30.
- Hendry, William F., Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Inc. Current-supply system. 1,689,485; Oct. 30.
- Hendry, William F., Ossining, N. Y., assignor to Manhattan Electrical Supply Company, Inc. Adjustable socket for luminescent-tube signs. 1,693,145; Nov. 27.
- Hendry, William F., Ossining, N. Y., and V. Yngve, South Orange, N. J., assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,656,066; Jan. 10.
- Hendryx, Andrew B., Company, The. (See Hendryx, Nathan W., assignor.)
- Hendryx, Dwight B., assignor to Hanley Company, Bradford, Pa. Superstructure for tunnel-kiln cars. 1,678,251; July 24.
- Hendryx, Nathan W., assignor to The Andrew B. Hendryx Company, New Haven, Conn. Bird cage. 1,692,835; Nov. 27.
- Henemier, Robert H., New York, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Valve. 1,672,489; June 5.
- Henemier, Robert H., New York, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Deflating valve cap. 1,686,659; Oct. 9.
- Hengehold, Joseph H., Covington, Ky. Display and service receptacle for merchandise, samples, and advertising matter relating to same. 1,681,406; Aug. 21.
- Henggi, Edward J., O'Hara Township, Allegheny County, Pa. Combined tie plate and rail anchor. 1,693,275; Nov. 27.
- Henglein, Friedrich A., Cologne-Deutz, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of iodates. 1,693,441; Nov. 27.
- Hengstenberg, Paul M., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode for evacuated electric devices. 1,677,341; July 17.
- Hengstenberg, Paul M., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Coil mounting. 1,680,415; Aug. 14.
- Henige, John, Chicago, Ill. Liquid-treatment comb. 1,661,287; Mar. 6.
- Henkel, Erich, Treptow, Berlin, and H. Wolff, Berlin, Germany, assignors to General Electric Company. Incandescent lamp. 1,687,496; Oct. 16.
- Henkel, Fay M., New Rochelle, N. Y. Portable bench saw. 1,695,188; Dec. 11.
- Henkel, Frank N., Hammond, La. Container for cooling bottled liquids. 1,692,738; Nov. 20.
- Henkel, Louis C. (See Steurer, John H., assignor.)
- Henker, Otto, assignor to the firm Carl Zeiss, Jena, Germany. Objective-revolving nose piece for microscopes. 1,674,041; June 19.
- Henley, James T., Inverness, Miss. Vegetable and fruit display apparatus. 1,679,031; July 31.
- Henley, Russell G., and B. Cook, Roanoke, Va. Indicating and recording device for presses. 1,669,559; May 15.
- Henne, Isabelle. (See Preo, J. L., and Henne.)
- Hennebute, Henri, and E. Goutal, Paris, France. Carbonizing apparatus. 1,680,613; Aug. 14.
- Henneck, Conrad, Frisco, Colo. Tool-handle fastening. 1,662,500; Mar. 13.
- Henneck, Conrad, Frisco, Colo. Carbide-lamp holder. 1,688,234; Oct. 16.
- Hennelly, Edward J., Jersey City, N. J., assignor to Irvington Varnish & Insulator Co. Paper feed for winding machines. 1,668,114; May 1.
- Hennen, Earl C., Charleston, W. Va., assignor to The United States Nito Co., Inc., Columbus, Ohio. Motor fuel. 1,682,561; Aug. 28.
- Hennessey, Vincent D., Milwaukee, Wis. Combination mixing valve. 1,693,758; Dec. 4.
- Hennessey, Daniel E., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for making beads. 1,674,722; June 26.
- Hennessey, Daniel E., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead-forming device. 1,678,043; July 24.
- Hennessey, Daniel E., Akron, Ohio, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Manufacturing rubber tubes. 1,682,124; Aug. 28.
- Hennessey, Daniel E., Akron, Ohio, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making rubber tubes. 1,682,125; Aug. 28.
- Hennessey, Daniel E., Akron, Ohio, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Fabric handling. 1,683,777; Sept. 11.
- Hennessey, Daniel E., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,689,831; Oct. 30.
- Hennessey, Daniel E., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Fabric and treating same. 1,691,605; Nov. 13.
- Hennessey, James J., New York, N. Y. Lubricator. 1,658,196; Feb. 7.
- Hennessey, James J., New York, N. Y. Lubricator. 1,661,800; Mar. 6.
- Hennessey, James J., New York, N. Y. Lubricator distributor. 1,683,616; Sept. 11.
- Hennessey, James J., New York, N. Y. Pump for lubricators or the like. 1,683,617; Sept. 11.
- Hennessey, James J., New York, N. Y. Lubricator. 1,692,253; Nov. 20.
- Henneveld, Jacobus, Zaandam, Netherlands. Machine gun. 1,669,241; May 8.
- Henneveld, Jacobus, Zaandam, Netherlands. Gun support. 1,670,621; May 22.
- Henning, Cedric E., Hunters Hill, near Sydney, New South Wales, Australia. Hand cultivator. 1,696,678; Dec. 25.
- Henninger, James A., Roundup, Mont. Attachment for disk harrows. 1,664,076; Mar. 27.
- Henninger, Nicholas, Syracuse, N. Y. Necktie holder. 1,687,129; Oct. 9.

- Henninger, Otto, St. Louis, Mo. Bread-board scraper or similar article. Des. 75,495; June 12.
- Henny, Arnold L., Portland, Ore. Oil reclaimers. 1,684,270; Sept. 11.
- Henny, Victor, Martinez, Calif., and J. D. Seguy, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for ascertaining the characteristics of flowing liquids. 1,688,811; Oct. 23.
- Henoch, Rose, Chicago, Ill. Sanitary receptacle. 1,655,953; Jan. 10.
- Henricks, Arthur G., and H. L. Mitchell, assignors to Harnischfeger Corporation, Milwaukee, Wis. Steering gear. 1,691,062; Nov. 13.
- Henricks, Harold H., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door-operating mechanism. 1,633,464; Sept. 4.
- Henricks, Henry E., Beaver, assignor to The United States Sanitary Manufacturing Company, Pittsburgh, Pa. Pattern for bathtubs. 1,686,001; Oct. 2.
- Henricson, Edwin A., assignor to Motor Products Corporation, Detroit, Mich. Windshield pivot. 1,666,899; Apr. 24.
- Henrikson, Carl G. (See Jones, L. S., Fisher, and Henrikson.)
- Henrikson, Carl G. (See Jones, L. S., Henrikson, and Fisher.)
- Henrikson, Emanuel, Stratford, assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Pipe-coupling-tapping machine. 1,662,313; Mar. 13.
- Henritzy, George S., Hazleton, Pa. Hinge. 1,657,211; Jan. 24.
- Henritzy, George S., Hazleton, Pa. Awning. 1,679,862; Aug. 7.
- Henritzy, George S., Hazleton, Pa. Window ventilator. 1,693,442; Nov. 27.
- Henry, Augustus M. (See Dale, R. B., and Henry.)
- Henry, Augustus M. (See Weitling, W. W., and Henry.)
- Henry, Augustus M., et al. (See Weitling, W. W., and Henry, assignors.)
- Henry, Claude, Flint, Mich. Tire boot. 1,665,094; Apr. 3.
- Henry, Francis M., Minneapolis, Minn. Canal and the filling and emptying of the locks thereof. 1,662,113; Mar. 13.
- Henry, Francis M., Minneapolis, Minn. Boat. 1,675,606; July 3.
- Henry, Francis M., Minneapolis, Minn. Self-dumping barge. 1,675,607; July 3.
- Henry, Frank T., Detroit, Mich. Tinning and retinning machine. 1,656,977; Jan. 24.
- Henry, George W., jr., assignor to Soabar Company, Philadelphia, Pa. Tag-printing machine. 1,655,999; Jan. 10.
- Henry, George W., jr., assignor to Soabar Company, Philadelphia, Pa. Stopping and starting mechanism for ticketing machine. 1,690,975; Nov. 6.
- Henry, George W., jr., assignor to Soabar Company, Philadelphia, Pa. Roll pin ticket. 1,690,976; Nov. 6.
- Henry, Guy J., Chicago, Ill. Floating-valve seat. 1,693,032; Nov. 27.
- Henry, Guy P., and G. Hunt, Detroit, Mich., assignors to The Studebaker Corporation, South Bend, Ind. Automobile construction. 1,658,639; Feb. 7.
- Henry, Howard W., Bloomfield, N. J., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Signaling device. 1,694,010; Dec. 4.
- Henry, Jacob C., East Orange, and E. H. Cramer, Newark, N. J., assignors to General Motors Corporation, Detroit, Mich. Winding machine. 1,689,873; Oct. 30.
- Henry, James N., Providence, R. I. Curtain support. 1,667,520; Apr. 24.
- Henry, James N., Providence, R. I. Curtain-rod bracket. 1,673,981; June 19.
- Henry, Jesse B., Connersville, Ind. Electrical plug lock. 1,665,095; Apr. 3.
- Henry, John. (See Kemnal, J., and Henry.)
- Henry, John L., Albany, Tex. Scooter figure wheeled toy. 1,688,926; Oct. 23.
- Henry, John L., Albany, Tex. Figure wheeled toy. 1,688,927; Oct. 23.
- Henry, Kenneth M., and P. D. Burr, San Francisco, Calif., assignors to Illinois Pacific Glass Corporation. Glass-annealing leer. 1,657,797; Jan. 31.
- Henry, Mack B., and A. L. Cadenhead, Norphlet, Ark. Belt fastener. 1,684,271; Sept. 11.
- Henry, Marion J., Kansas City, Kans. Grease cup. 1,679,216; July 31.
- Henry, Michael, Terre Haute, Ind. Grease cup. 1,659,630; Feb. 21.
- Henry, Nelson B., Atlanta, Ga. Cotton separator. 1,693,754; Dec. 4.
- Henry, Patrick, Bradford, England. Dabbing brush for wool-combing machines. 1,692,836; Nov. 27.
- Henry, Ray. (See Ellis, A. K., and Henry.)
- Henry, Raymond, Rock Island, Ill., assignor, by mesne assignments, to O-N Spring shackle Company, Davenport, Iowa. Oilless spring shackle. 1,692,837; Nov. 27.
- Henry, Robert. (See Hans, E. E., and Henry.)
- Henry, Robert E., Pittsburgh, Pa. Protective covering for bathtubs and utilizing the same. 1,665,206; Apr. 10.
- Henry, Robert E., Pittsburgh, Pa. Covering for bathtubs and the like. 1,681,294; Aug. 21.
- Henry, Robert W., Port Arthur, Tex., and E. D. Streeter, Bayonne, N. J., assignors to Gulf Refining Company, Pittsburgh, Pa. Making thickened lubricating oil. 1,691,654; Nov. 13.
- Henry, Robert W., Port Arthur, Tex., and E. D. Streeter, Bayonne, N. J., assignors to Gulf Refining Company, Pittsburgh, Pa. Producing thickened lubricating oil. 1,691,882; Nov. 13.
- Henry, William, Rockford, Ill. Luggage carrier. 1,686,450; Oct. 2.
- Henry, William, Philadelphia, Pa. Power-transmission device. 1,696,632; Dec. 25.
- Henry, William P., New York, N. Y. Vessel closure. 1,670,450; May 22.
- Henry, William P., New York, N. Y. Bottle closure. 1,670,451; May 22.
- Henry, William S., assignor to General Railway Signal Company, Rochester, N. Y. Block-signal system for railroads. 1,664,108; Mar. 27.
- Hensel, Otto A., Pittsburgh, Pa. Toy saving bank. 1,658,378; Feb. 7.
- Hensel Silk Manufacturing Company. (See Muller, Herman J., assignor.)
- Hensel, Walter, Merchantville, N. J., and H. W. Butterworth, jr., Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company. Tenting machine. 1,657,624; Jan. 31.
- Henselman, Otto, Canton, Ohio. Antifriction bearing. 1,684,352; Sept. 11.
- Henshaw, Daniel M. (See Cooper, C., and Henshaw.)
- Hensley, Charles G. (See Bower, Sigmund, assignor.)
- Henson, Joe, Detroit, Mich. Hood fastener. 1,667,732; May 1.
- Henson, William P., Sacramento, Calif. Mold. 1,668,017; May 1.
- Hentrich, Winfried. (See Duisberg, W., Hentrich, and Zeh.)
- Hentrich, Winfried, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Azo dyestuff and cellulose derivatives dyed therewith. 1,695,654; Dec. 18.
- Hentrich, Winfried, and M. Hardtmann, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Complex copper-amine azo dyestuffs. 1,690,782; Nov. 6.
- Hentschel, Andrew J., Grand Rapids, Mich. Trap. 1,668,367; May 1.
- Hentschel, Robert, Bremen, Germany. Suction device for multistage centrifugal pumps. 1,682,336; Aug. 28.
- Hentschell, Charles J. V., and G. H. Wheldon, assignors of one-fourth to J. E. Murphy and one-fourth to W. Hall, Minneapolis, Minn. Process and apparatus for use in connection with flongs. 1,657,160; Jan. 24.
- Henze, Otto, Brooklyn, N. Y. Combination indicating and adjusting device for radiocircuits. 1,682,376; Aug. 28.
- Henze, Paul, Detroit, Mich. Piston-supporting device. 1,667,934; May 1.
- Heon, Horace C., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Universal joint. 1,686,695; Oct. 9.
- Hepburn, William M., assignor to Surface Combustion Company, New York, N. Y. Semimuffle forge furnace. 1,672,863; June 5.
- Hepburn, William M., Denver, Colo., assignor to Surface Combustion Company. Continuous carbonizing furnace. 1,677,136; July 17.
- Hepburn, William M., assignor to The Surface Combustion Co. Incorporated, New York, N. Y. Regulating apparatus. 1,690,819; Nov. 6.
- Heppes, Otto A., La Grange, Ill., assignor to The Flintkote Company, Boston, Mass. Roofing. 1,666,046; Apr. 10.
- Heppes, Otto A., La Grange, Ill., assignor to The Flintkote Company, Boston, Mass. Roofing. 1,694,418; Dec. 11.
- Heraeus, W. C., Gesellschaft mit beschränkter Haftung. (See Haagen, Ernst, assignor.)
- Herb, Otto J., assignor to The Bassick Manufacturing Company, Chicago, Ill. Coupling member. 1,679,863; Aug. 7.
- Herb, Otto J., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating device. 1,685,359; Sept. 25.
- Herb, Otto J., assignor to Alemite Manufacturing Corporation, Chicago, Ill. Lubricant compressor. 1,695,588; Dec. 18.
- Herberg, Edward, Halstad, Minn. Display case. 1,671,153; May 29.
- Herbermann, Frederick C., Mount Vernon, N. Y. Combined clock and support therefor. Des. 75,623; June 26.
- Herbermann, Frederick C., Mount Vernon, N. Y. Clock case. Des. 76,798; Nov. 6.
- Herbert, Albert C., Glen Lyn, Va. Envelope. 1,658,898; Feb. 14.
- Herbert, Alfred, Limited. (See Jackson, Ralph, assignor.)
- Herbert, Alfred, Limited. (See Vernon, P. V., and Jackson, assignors.)
- Herbert, Frederick D., Upper Montclair, N. J., W. L. Kraemer, Brooklyn, N. Y., and J. E. Garabrant, Bloomfield, N. J., assignors to Metal Edge Filter Corporation. Filter. 1,677,892; July 24.
- Herbert, Leon S., Cynwyd, Pa. Stripping attachment for knitting machines. 1,677,477; July 17.

- Herbig, Henry F., assignor to The Commercial Cable Company, New York, N. Y. Method of and apparatus for amplifying electric signal impulses. 1,657,396; Jan. 24.
- Herborn, Ludwig, Bierstadt, assignor of one-third to W. Horn and one-third to A. Horn, Wiesbaden, Germany. Brake for hoisting devices and the like. 1,676,087; July 3.
- Herbrick, Milton B., Omaha, Nebr. Fuse holder for electrical circuit. 1,663,252; Mar. 20.
- Herbst, Clarence A., assignor to Economy Fuse and Manufacturing Company, Chicago, Ill. Oven. 1,673,912; June 19.
- Herbst, William K., Hillside, and R. H. Stone, Irvington, N. J., assignors to Titeflex Metal Hose Co. Solidified-seam tube. 1,677,523; July 17.
- Herschert, Edwin J., Guttenberg, Iowa. Cross member for nonskid chains. 1,678,063; July 24.
- Herchert, Paul J., Milwaukee, Wis. Snow cleaner. 1,672,490; June 5.
- Hercules Powder Company. (See Ayer, William T., assignor.)
- Hercules Powder Company. (See Fulton, Norman D., assignor.)
- Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
- Hercules Powder Company. (See Jenks, George E., assignor.)
- Hercules Powder Company. (See Johnston, Alan C., assignor.)
- Hercules Powder Company. (See Murry, J. T., and Patterson, assignors.)
- Hercules Powder Company. (See Shimer, Abraham A., assignor.)
- Hercules Powder Company. (See Smith, R. B., and Symmes, assignors.)
- Hercules Powder Company. (See Stoops, Buren I., assignor.)
- Hercules Powder Company. (See Stuart, Joseph D., assignor.)
- Hercules Powder Company. (See Symmes, Ernest M., assignor.)
- Hercules Powder Company. (See Troxler, Bernhart, assignor.)
- Herd, William G., Drumheller, Alberta, Canada. Luggage carrier for automobiles. 1,693,922; Dec. 4.
- Herdman, Alexander S., and G. L. Thomas, Akron, Ohio. Doorknob cover. 1,668,716; May 8.
- Herds, Edwin, New York, N. Y. Steering device for motor vehicle. 1,668,368; May 1.
- Hereford, Essie M. (See McDanel, Marieta M., assignor.)
- Herendeen, Harry C., Crystal Lake, Ill. Preparing dough. 1,660,839; Feb. 28.
- Hering, Friedrich, Gummersbach, Germany. Device for the manufacture of metal balls. 1,674,112; June 19.
- Hering, Lloyd E., Spokane, Wash. Radiator condenser. 1,668,769; May 8.
- Hering, Paul C., Lawrence, Mass. Stop motion for looms. 1,677,085; July 10.
- Herion, Heinrich G., New York, N. Y. Fan. 1,682,044; Aug. 28.
- Herklotz, Max, Berlin, Germany, assignor to General Electric Company. Regulating system. 1,665,852; Apr. 10.
- Herkt, Ernst, Kiel, assignor to Fried. Krupp Germania-werft Aktiengesellschaft, Kiel-Gaarden, Germany. Scavenging internal-combustion engine. 1,664,817; Apr. 3.
- Herlbauer, Joseph J. (See Smith, J. E., and Herlbauer.)
- Herlbauer, Joseph J., New York, N. Y. Electrical conduit fitting. 1,670,259; May 15.
- Herlick, Martin H., Long Beach, Calif. Bottle top. 1,663,405; Mar. 20.
- Herlinger, Harold V. (See Beebe, M. C., Murray, and Herlinger.)
- Herman, Edward B., Watertown, Mass. Check-controlled article-delivery apparatus. 1,687,612; Oct. 16.
- Herman, Fred W. (See Laddon, I. M., Ring, and Herman.)
- Herman, Gilmore N., assignor to Alloy Steel Corporation, Chicago, Ill. Preparing alloy steel for die blocks and other purposes. 1,660,790; Feb. 28.
- Herman, Henry F., Chappaqua, N. Y., assignor to Straitline Radio Corporation, New York, N. Y. Cabinet. 1,687,559; Oct. 16.
- Herman, Henry F., Chappaqua, assignor to Straitline Radio Corporation, New York, N. Y. Electrical condenser and indicating means. 1,694,384; Dec. 11.
- Herman, John H., New Castle, Pa. Clothesline holder. 1,656,113; Jan. 10.
- Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Intermediate telegraph station. 1,655,420; Jan. 10.
- Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Differential duplex telegraph repeater. 1,655,421; Jan. 10.
- Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Relay and circuits therefor. 1,662,060; Mar. 13.
- Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Automatic volume control for telephone lines. 1,662,888; Mar. 20.
- Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Manual Morse multiplex system. 1,664,453; Apr. 3.
- Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Differential duplex telegraph repeater. 1,666,965; Apr. 24.
- Herman, Joseph, Westfield, N. J. and F. J. Singer, Rockville Center, N. Y., assignors to American Telephone and Telegraph Company. Telegraph circuit. 1,680,376; Aug. 14.
- Herman, Karl, Chester, Pa. Window cleaner and clearer. 1,665,031; Apr. 3.
- Herman, Raymond L., New York, and G. F. Schmidt, Roslyn, N. Y. Attachment for bending machines. 1,693,951; Dec. 4.
- Hermann Machine Company. (See Betterley, Roland O., assignor.)
- Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Key for key-opening cans. 1,670,150; May 15.
- Hermann, Clarence C. (See Litchfield, E. C., Hermann, and Speer.)
- Hermann, Edward O. (See Cook, B. L., and Hermann.)
- Hermann, Ernst. (See Glatt, W. E., and Hermann.)
- Hermann, Otto L., assignor to Buxton & Skinner Printing and Stationery Company, St. Louis, Mo. Loose-leaf binder. 1,670,410; May 22.
- Hermann, Wolfgang, Chicago, Ill., assignor to Metal Specialties Manufacturing Company. Electrical device. 1,659,293; Feb. 14.
- Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Animated-picture device and method of manufacture. 1,660,840; Feb. 28.
- Hermanson, George L. (See Evensen, W., and Hermanson.)
- Hermanson, Oscar, New York, N. Y. Ocean stage. 1,667,255; Apr. 24.
- Hermanson, Sune. (See Andrus, O. E., and Hermanson.)
- Hermetite Corporation. (See Oliver, Norman E., assignor.)
- Hernsdorf, Ewald, Brunswick, Germany. Apparatus for feeding powdered fuel to a furnace. 1,684,320; Sept. 11.
- Hernacki, John, Chicago, Ill. Collapsible hat and coat rack. 1,687,613; Oct. 16.
- Herold, James L. (See Dawson, J. W., and Herold.)
- Herold, James L., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Temperature-changing apparatus. 1,655,954; Jan. 10.
- Herold, James L., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Soaking apparatus. 1,655,955; Jan. 10.
- Herold, Paul, and P. Koppe, Neurossen, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Production of primary amines. 1,662,421; Mar. 13.
- Herold, Walter F., Upper Montclair, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster mounting. Nov. 13.
- Heron, Sam D., Dayton, Ohio. Air-cooling internal-combustion engine. 1,664,414; Apr. 3.
- Heron, Sam D., Dayton, Ohio. Cooling of exhaust valves of internal-combustion engines. 1,670,965; May 22.
- Herpicie Company, The. (See Edwards, Wilson D., assignor.)
- Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Assembling internal-combustion engines. 1,673,943; June 19.
- Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Adjustable bearing. 1,675,490; July 3.
- Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine. 1,680,785; Aug. 14.
- Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shaft bearing. 1,683,351; Sept. 4.
- Herr, John, near Lebanon, Ind. Seed harvester. 1,683,183; Sept. 4.
- Herr, Shirl, Crawfordville, Ind. Device for underground prospecting. 1,676,779; July 10.
- Herr, Shirl, Crawfordville, Ind. Hidden-metal detector. 1,679,339; July 31.
- Herren, Wilson T., Barrington, Ill. Method and apparatus for coating metal articles with metal. 1,660,558; Feb. 28.
- Herrenbruck, Herman, assignor to Orbon Stove Co., Belleville, Ill. Stove. 1,694,176; Dec. 4.
- Herrick, Stephen S., Oakland, Calif. Lintel bar. 1,696,764; Dec. 25.
- Herrin, Charles W., Kansas City, Mo. Elevator mechanism. 1,660,305; Feb. 21.
- Herrin, Charles W., assignor of one-half to C. Bell, Kansas City, Mo. Pump. 1,660,303; Feb. 21.
- Herrin, Charles W., assignor of one-half to C. Bell, Kansas City, Mo. Pump. 1,660,304; Feb. 21.
- Herring, Burton R., Chicago, Ill. Coffeepot. 1,655,014; Jan. 3.
- Herring, Eugene, New Orleans, La., assignor to The Stafford Company, Boston, Mass. Welt-parter device for looms. 1,656,437; Jan. 17.
- Herrington, C. E., et al. (See Stovall, James N., assignor.)
- Herrly, Clarence J., and A. M. Matheson, Niagara Falls, N. Y., assignors to Niacet Chemicals Corp. Material for tanning and making the same. 1,695,655; Dec. 18.

- Herrmann, Georg, River Rouge, Mich. Standard for electric wiring and supports therefor. 1,687,970; May 1.
- Herrmann, Heinrich, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Power-driven vehicle. 1,683,776; Sept. 11.
- Herrmann, Willy O. (See Baum, E., Deutsch, Herrmann, and Mugdan.)
- Herrmann, Willy O., and W. Haehnel, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Preparation of polymerized vinyl alcohol and its derivatives. 1,672,156; June 5.
- Herrmann, Willy O., and W. Haehnel, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Manufacturing rubberlike products. 1,672,157; June 5.
- Herrold, Russell P., Zanesville, Ohio, assignor to The Mosaic Tile Company. Ceramic-sorting machine. 1,677,862; July 17.
- Herron, George A., assignor of 51 per cent to T. B. Cole, Ottawa, Ontario, Canada. Operating mechanism for whippers. 1,678,468; July 24.
- Herrschaft, William, New York, N. Y. Display sign. 1,662,704; Mar. 13.
- Herrschaft, William, New York, N. Y. Toy construction set. 1,667,256; Apr. 24.
- Herschel, Alfred, New York, N. Y. Sound-producing instrument. 1,671,863; May 29.
- Hershey Manufacturing Company. (See Harrigan, Harold W., assignor.)
- Hershey, Samuel M., Brooklyn, N. Y. Roll-film control. 1,686,211; Oct. 2.
- Hershey, Carl G., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Measuring instrument. 1,679,524; Aug. 7.
- Hershey, Clarence L., Leaman Place, Pa. Time-actuated electric switch. 1,681,116; Aug. 14.
- Hershey Manufacturing Company. (See Hershey, Orville S., assignor.)
- Hershey Manufacturing Company. (See Mather, G. C., and Hershey, assignors.)
- Hershey, Orville S. (See Mather, G. C., and Hershey.)
- Hershey, Orville S., assignor to Hershey Manufacturing Company, Chicago, Ill. Automobile lock. 1,668,147; May 1.
- Hershey, Orville S., assignor to Hershey Manufacturing Company, Chicago, Ill. Automobile lock. 1,674,395; June 19.
- Hershey, Orville S., assignor to Hershey Manufacturing Company, Chicago, Ill. Automobile lock. 1,685,128; Sept. 25.
- Hershey, Orville S., assignor to Hershey Manufacturing Company, Chicago, Ill. Automobile lock. 1,687,836; Oct. 16.
- Hershey, Orville S., assignor to Hershey Manufacturing Company, Chicago, Ill. Automobile lock. 1,694,506; Dec. 11.
- Hershkowitz, Nathan. (See Hershkowitz, Paul and N.)
- Hershkowitz, Paul and N., New York, N. Y. Trimming braid. Des. 76,479; Oct. 2.
- Hershman, Frank. (See Hershman, Helen G. and F.)
- Hershman, Helen G. and F. Miller, S. Dak. Wheel-aligning device. 1,663,452; Mar. 20.
- Hershman, Okla H., Indianapolis, Ind. Dispensing-pump casing. Des. 74,745; Mar. 20.
- Hershman, Okla H., Indianapolis, Ind. Price rack. Des. 76,614; Oct. 16.
- Hersleb, William, assignor to Binks Spray Equipment Co., Chicago, Ill. Paint container for spray appliances. Re16,960; May 15.
- Herthel, Eugene C. (See Isom, E. W., and Herthel.)
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Process and apparatus for cracking oil. 1,660,647; Feb. 28.
- Herthel, Eugene C., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Apparatus for cracking hydrocarbons. 1,683,184; Sept. 4.
- Herthel, Eugene C., and T. D. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,677,772; July 17.
- Herthel, Eugene C., and T. D. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,677,773; July 17.
- Herthel, Eugene C., and T. D. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,677,774; July 17.
- Herthel, Eugene C., and T. D. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,677,775; July 17.
- Herthel, Eugene C., and T. D. Tift, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon oils. 1,677,776; July 17.
- Hertzner, John H., assignor to The Baker-Rauland Company, Cleveland, Ohio. Truck. 1,668,907; May 8.
- Hertz, Emanuel, et al. (See Jehle, Wilhelm, assignor.)
- Hertzberg, Harry, Brooklyn, N. Y. Fur brush. 1,657,752; Jan. 31.
- Hertzberg, Harry, Brooklyn, assignor to M. Propp Co., New York, N. Y. Snap switch. 1,663,081; Mar. 20.
- Hertzberg, Harry, Brooklyn, assignor to Morris Propp, New York, N. Y. Detachable electric-plug fitting. 1,695,847; Dec. 18.
- Hertzberg, William, Brooklyn, N. Y. Mop mounting. 1,669,937; May 15.
- Hertzberg, William, Brooklyn, N. Y. Mop holder. 1,687,769; Oct. 16.
- Hervey, Earle C., Indianapolis, Ind. Making ornamental brick. 1,672,938; June 12.
- Herz, Alexander. (See Conti, Eugene, assignor.)
- Herz, Alfred, Chicago, Ill. Screen. 1,694,706; Dec. 11.
- Herz Bed Company. (See Herz, Gene, assignor.)
- Herz, Gene, assignor to Herz Bed Company, Chicago, Ill. Bed. 1,694,940; Dec. 11.
- Herz, Richard, Frankfort-on-the-Main, and K. Thiess, Höchst-on-the-Main-Sindlingen, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Violet vat dyestuff and producing the same. 1,655,697; Jan. 10.
- Herz, Richard, and F. Schulte, Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Manufacturing 1-aminonaphthalene-8-carboxylic acid. 1,668,148; May 1.
- Herz, Richard, F. Schulte, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Converting cyannaphthalene-sulphonic acids. 1,669,297; May 8.
- Herz, Richard, F. Schulte, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Converting cyannaphthalene-sulphonic acids. 1,676,692; July 10.
- Herz, Richard, F. Schulte, Frankfort-on-the-Main, and W. Zerweck, Fechenheim near Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Converting cyannaphthalene sulphonic acids. 1,677,086; July 10.
- Herz, Richard, Frankfort-on-the-Main, and W. Zerweck, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Dinaphthyl-Dicarboxylic acid and making same. 1,684,272; Sept. 11.
- Herzberg, Wilhelm, Berlin-Wilmersdorf, and G. Hoppe, Berlin-Treptow, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Manufacture of coeruleine sulphonic acids. 1,656,483; Jan. 17.
- Herzfeld, Sidney Z., Alexander City, Ala. Dust cloth. 1,658,048; Feb. 7.
- Herzinger, Carl B., Los Angeles, Calif. Closure for liquid containers. 1,669,469; May 15.
- Herzl, Mark, New York, N. Y. Auxiliary power system for aerial vessels. 1,663,302; Mar. 20.
- Herzog, Carl, Niederurnen, Switzerland. Manufacturing pipes from asbestos cement or a similar material. 1,670,855; May 22.
- Herzog, Eugene, Golden Valley, N. Dak. Display device for goods and prices. 1,664,415; Apr. 3.
- Herzog, Eugene, Lynn, Mass., assignor to General Electric Company. Treating silica articles. 1,680,681; Aug. 14.
- Herzog, Milton H., Chicago, Ill. Ring. 1,687,020; Oct. 9.
- Herzog, Reginald O. (See Hoffmann, H., Mark, and Herzog.)
- Herzog, Robert. (See Pungs, L. and Herzog.)
- Herzog, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Electromagnetic instrument. 1,680,216; Aug. 7.
- Herzon, Jacob S., Detroit, Mich. Eyeglass holder. 1,686,002; Oct. 2.
- Heslewood, William R., assignor of one-half to F. A. Dana, Los Angeles, Calif. Motor meter. 1,685,846; Oct. 2.
- Heslewood, William R., assignor of one-half to F. A. Dana, Los Angeles, Calif. Thermal indicator. 1,692,301; Nov. 20.
- Hespe, Alfred T., East Orange, N. J. Making thermometer tubes. 1,696,400; Dec. 25.
- Hess, Arthur J., assignor to E. Holley, Detroit, Mich. Coating for molds. 1,693,923; Dec. 4.
- Hess, Duncan C., Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company. Auxiliary ram for smokers. 1,687,614; Oct. 16.
- Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,659,601; Feb. 21.
- Hess, Edward B., Orlando Fla. assignor to Royal Typewriter Company Inc., New York, N. Y. Typewriting machine. 1,672,062; June 5.
- Hess, Edward C., Pittsburgh, Pa., assignor of one-half to A. L. Maass, Baltimore, Md. Shoe protecting and handling device. 1,694,853; Dec. 11.
- Hess, Ezra, Chicago, Ill. Making casts. 1,661,425; Mar. 6.
- Hess, Francis M., Chicago, Ill. Distillate distributor for hydrocarbon distillation systems. 1,683,778; Sept. 11.
- Hess, Frank W., Freeport, Ill. Curtain stretcher. 1,666,622; Apr. 17.
- Hess, George K., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch. 1,655,059; Jan. 3.
- Hess, Goldsmith & Co. (See Daugert, P., Frey, and Dunleavy, assignors.)
- Hess, James A. (See Hustler, H. H., and Hess.)
- Hess, John W., Kitchener, Ontario, Canada, assignor to Cluett, Peabody & Company, Inc., Troy, N. Y. Fold-over collar. 1,655,765; Jan. 10.
- Hess, Ray W. (See Mortimer, F. S., and Hess.)

- Hess, Ray W., Buffalo, N. Y., and O. D. Cunningham, Indianapolis, Ind., assignors to National Aniline & Chemical Co., Inc., New York, N. Y. Making indophenols. 1,662,062; Mar. 13.
- Hess, Ray W., and J. C. Siemann, Buffalo, assignors to National Aniline & Chemical Co., Inc., New York, N. Y. Alkylation of carbazol. 1,662,061; Mar. 13.
- Hess, Simon B., New York, N. Y. Door securer. 1,695,686; Dec. 18.
- Hess, Wilhelm, Berlin, Germany. Treatment of hydrocarbons. 1,668,275; May 1.
- Hess, Wilhelm, assignor to Emil Haefely & Co. A.-G., Basel, Switzerland. Protective arrangement for high-tension electrical apparatus. 1,673,331; June 12.
- Hess, Wilhelm, Berlin-Gross-Lichterfelde-West, assignor to Allgemeiner Gesellschaft für Chemische Industrie m. b. H., Berlin-Schöneberg, Germany. Treating oils with liquid sulphur dioxide. 1,674,076; June 26.
- Hess, William J., Fort Wayne, Ind., assignor to Juvenile Wood Products Company. Toilet-seat attachment. 1,675,297; June 26.
- Hess, William J., Fort Wayne, Ind., assignor to Van Arnam Manufacturing Company. Hinge for water-closet seats and covers. 1,676,900; July 10.
- Hess-Bright Manufacturing Company, The. (See Linde, Andrew H., assignor.)
- Hesse, Erich, Breslau, assignor to the firm Gehe & Co. A.-G., Dresden, Germany. Producing narcotica. 1,695,656; Dec. 18.
- Hesse, George H., Cincinnati, Ohio. Shirt-sleeve adjuster. 1,658,897; Feb. 14.
- Hessel, Edward L., assignor to American Plumbing & Heating Company, Minneapolis, Minn. Radiator stand. 1,662,265; Mar. 13.
- Hessemer, Albert O., Fullerton, Calif. Well-capping device and controlling head. 1,692,302; Nov. 20.
- Hesser, Fr., Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
- Hessian, Charles J., Timonium, Md. Hose reel. 1,674,512; June 19.
- Hesskew, William R., and J. J. Nulty, San Antonio, Tex. Rail crossing. 1,696,482; Dec. 25.
- Hesslé, Eric T., Lemont, Ill. Continuous process for the refining of mineral oil. 1,661,826; Mar. 6.
- Hesslé, Eric T., and W. Lelgemann, Lockport, Ill. Apparatus for the conversion of hydrocarbon oils. 1,658,985; Feb. 14.
- Hesslé, Eric T., and W. Lelgemann, Lemont, Ill. Catalytic apparatus. 1,661,827; Mar. 6.
- Hester, Levi C., Jacksonville, Fla. Plow. 1,656,354; Jan. 17.
- Hester, Levi C., Williston, Fla. Plow support. 1,659,142; Feb. 14.
- Heston, Charles B., Philadelphia, Pa. Label. 1,681,769; Aug. 21.
- Heston, Darwin M., Evansville, Ind. Grease pump. 1,657,469; Jan. 31.
- Heston, Lorenzo R., and A. L. Anderson, Fairfield, Iowa. Sawing machine. 1,690,111; Nov. 6.
- Hetherington, Benjamin, Fall River, Mass. Harness hook for looms. 1,684,733; Sept. 18.
- Hetherington, Harry C. (See Krase, H. J., Hetherington, and Larson.)
- Hetherington, Harry C., and L. A. Pinck, Washington, D. C., assignors to A. B. Lamb, trustee. Producing cyanamide from calcium cyanamide. 1,673,820; June 19.
- Hetherington, Howard L., New London, Conn., assignor to The Babcock Printing Press Manufacturing Company. Feeding device for presses. 1,657,537; Jan. 31.
- Hetlesater, Elisabeth, executrix. (See Hetlesater, Olaf.)
- Hetlesater, Olaf, deceased, Seattle, Wash.; E. Hetlesater, executrix. Excavating machine. 1,667,381; Apr. 24.
- Hetlesater, Olaf, assignor to Full Expansion Motors Corporation, Seattle, Wash. Internal-combustion engine. 1,686,236; Oct. 2.
- Hettich, William G., assignor to Standard X-Ray Company, Chicago, Ill. Rectifier. 1,674,645; June 26.
- Heublein, Charles M., Chicago, Ill. Window attachment. 1,658,986; Feb. 14.
- Heuer, Henry, Cobb, Wis. Harvester. 1,666,137; Apr. 17.
- Heughan, Edward V. (See Pfister, L. A., Heughman, and Marse.)
- Heuser, Ralph V., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Guanidine compound. 1,663,128; Mar. 20.
- Heuser, Ralph V., Portsmouth, N. H., assignor, by mesne assignments, to A. C. Burrage, Boston, Mass. Making phenylorthotolylguanidine. 1,669,242; May 8.
- Heuser, Ralph V., Elizabeth, N. J., assignor to A. C. Burrage, Manchester, Mass. Vulcanization of rubber and product thereof. 1,677,235; July 17.
- Heuser, Ralph V., Burrage, assignor, by mesne assignments, to A. C. Burrage, Jr., Ipswich, Mass. Vulcanization of rubber. 1,681,806; Aug. 21.
- Heusler, Friedrich, Dillenburg, Germany. Copper alloy. 1,692,936; Nov. 27.
- Heussner, Karl, and M. Simon, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Producing azo dyestuffs. 1,690,783; Nov. 6.
- Heusser, Wilfrid, Salt Lake City, Utah. Armature and mounting for vibratory units and the like. 1,656,484; Jan. 17.
- Heustis, Oliver E., Lawrenceburg, Ind. Combination tool. 1,656,634; Jan. 17.
- Heuze, Charles, Anvelais, Belgium. Process and apparatus for the continuous manufacture of plate glass or sheets of glass. 1,675,217; June 26.
- Hewetson, Harold E., assignor, by mesne assignments, to Truscon Steel Company, Youngstown, Ohio. Sheet-feeding guide for expanding machines. 1,675,803; July 3.
- Hewetson, Henry H., Elizabeth, N. J., assignor to Standard Oil Development Company. Distilling petroleum. 1,694,259; Dec. 4.
- Hewett, Charles A., Colorado, Tex. Game apparatus. 1,683,185; Sept. 4.
- Hewett, George S., Corning, Calif. Curing ripe olives. 1,695,489; Dec. 18.
- Hewett, John R., Schenectady, N. Y. Photographic exposure calculator. 1,664,818; Apr. 3.
- Hewett, Robert J., Westfield, N. J. Flash-light railway signaling system. 1,660,332; Feb. 28.
- Hewitt, Albertis, Pitman, N. J., assignor to Victor Talking Machine Company. Combined mechanical and Electrical reproducer and transmitter. 1,672,063; June 5.
- Hewitt, Benjamin. (See Wolf, O. P. E., and Hewitt.)
- Hewitt, Edward R., Midvale, N. J. Screen for picture projection. 1,676,553; July 10.
- Hewitt, Edward R., Midvale, N. J., and A. F. Masury, assignors to International Motor Company, New York, N. Y. Air filter. 1,678,044; July 24.
- Hewitt, Ernest W. (See Meader, R. I., and Hewitt.)
- Hewitt, Ernest W., Stamford, Conn., F. J. Maus, Paterson, N. J., and G. Marx, assignors to The Western Union Telegraph Company, New York, N. Y. Motor-stopping device for telegraph typewriters. 1,688,711; Oct. 23.
- Hewitt, Frank W., Arlington, Mass., assignor, by mesne assignments, to Buckwalter Stove Company, Royersford, Pa. Automatic cooking. 1,682,337; Aug. 28.
- Hewitt, Harold S., Brantford, Ontario, Canada. Ornament for radiators of motor cars. Des. 77,092; Dec. 4.
- Hewitt, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Reproducing position. 1,684,132; Sept. 11.
- Hext, William A., Cincinnati, Ohio. Surface-heating apparatus. 1,669,614; May 15.
- Hexter, Julian S., Chicago, Ill., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting-machine demonstration chart. 1,677,087; July 10.
- Heybach, Frederick J., Savannah, Ga. Automatic torch lighter. 1,685,633; Sept. 25.
- Heyd, Frederick W. (See Eberlein, F. A., and Heyd.)
- Heydrich y Martinez, Roberto, Habana, Cuba. Siphonic flushing device. 1,670,370; May 22.
- Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,682,080; Aug. 28.
- Heying, Jessie. (See Lee, Charles W., assignor.)
- Heyl, George E., Westminster, London, England. Fibrous paint. 1,656,198; Jan. 17.
- Heyl, Paul R., and L. J. Briggs, Washington, D. C., assignors to Aeronautical Instrument Company, Pittsburgh, Pa. Inductor compass. 1,660,751; Feb. 28.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 75,726; July 10.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 75,727; July 10.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 75,728; July 10.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 75,843; July 24.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 75,844; July 24.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Radiocabinet or similar article. Des. 76,346; Sept. 18.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 76,615; Oct. 16.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 76,682; Oct. 23.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 76,683; Oct. 23.
- Heyman, Joseph J., assignor to Milano Furniture Company, Chicago, Ill. Table or similar article. Des. 76,684; Oct. 23.
- Heyman, Moses D., assignor to American Character Doll Co. Inc., New York, N. Y. Doll-limb articulator. 1,654,933; Jan. 3.
- Heyman, Nicholas, Newark, N. J., assignor to Henry Katz & Co., New York, N. Y. Mechanical toy. 1,690,409; Nov. 6.
- Heyman, Wilbert A., New York, N. Y. Producing a chocolate milk composition. 1,689,028; Oct. 23.
- Heyman, Wilbert A., New York, N. Y. Chocolate milk composition. 1,689,029; Oct. 23.
- Heymann, Bruno, San Francisco, Calif. Machine for producing irregular surfaces. 1,667,153; Apr. 24.

- Heymann, Bruno, San Francisco, assignor to F. W. Wolfe, Menlo Park, Calif. Steering device for vehicles. 1,659,819; Feb. 21.
- Heyn, Gertrude H. (See Jahn, Berthold, assignor.)
- Heyn, Myron, Berlin, assignor to C. A. F. Kahlbaum Chemische Fabrik G. m. b. H., Berlin-Adlershof, Germany. Production of amidoguanidines and their alkyl derivatives. 1,672,029; Jan. 5.
- Heyna, Hans. (See Fischer, E., Heyna, and Müller.)
- Heynacher, Walter. (See Mackenzie, John, assignor.)
- Heynen, Jan J. A., Nijmegen, Netherlands. Container for cravats or neckties. 1,662,039; Mar. 6.
- Heys, George H., et al., executors. (See Heys, John J.)
- Heys, George H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on filler pieces for shoes. 1,692,259; Nov. 20.
- Heys, John J., deceased, by L. A. Heys and G. H. Heys, executors, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Form locking and adjusting device. 1,660,447; Feb. 28.
- Heys, Lucy A., et al., executors. (See Heys, John J.)
- Heywood, Charles F., Detroit, Mich. Safety valve. 1,667,154; Apr. 24.
- Heywood-Wakefield Company. (See Brown, Charles A., assignor.)
- Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
- Heywood-Wakefield Company. (See Mathisen, Kristian M., assignor.)
- Heywood-Wakefield Company. (See McElligott, Edward R., assignor.)
- Heywood-Wakefield Company. (See Stinson, Richard, assignor.)
- Hiatt, E. (See Cunard, Harry O., assignor.)
- Hibbard, Charles T., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Dynamo-electric machine. 1,685,054; Sept. 18.
- Hibbard, Lloyd J., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupter system. 1,685,950; Oct. 2.
- Hibberd, Frederick C. (See Jennings, John T., assignor.)
- Hibbert, Ernest, assignor to Hibbert Pneumatic Cell Tyre Company Limited, Goulbourn, New South Wales, Australia. Manufacturing of tyres for motor vehicles. 1,694,260; Dec. 4.
- Hibbert Pneumatic Cell Tyre Company Limited. (See Hibbert, Ernest, assignor.)
- Hibbs, Clarence Y. (See Burns, Joseph T., assignor.)
- Hibner, Ole, Cleveland, Ohio. Massaging apparatus. 1,680,989; Aug. 14.
- Hibner, Otto. (See Haase, J., and Hibner.)
- Hickam, John B., Columbia, Mo. Adjustable disk cultivator. 1,660,791; Feb. 28.
- Hickam, John B., Columbia, Mo. Corn planter. 1,661,120; Feb. 28.
- Hicken, Elmer E. (See Glaenger, H., and Hicken.)
- Hicken, Elmer E., Collingswood, N. J. Locomotive-tender tank. 1,668,561; May 8.
- Hicken, Elmer E., Collingswood, N. J. Locomotive-tender tank. 1,668,562; May 8.
- Hickey, Daniel W., et al. (See Ruff, D. C., 2d, and Healy, assignors.)
- Hickey, John H., San Francisco, Calif. Renewable fuse. 1,687,246; Oct. 9.
- Hickey, John H., San Francisco, Calif. Refillable fuse. 1,687,247; Oct. 9.
- Hickey, Patrice H., Happy Camp, Calif. Time indicator. Des. 75,687; July 3.
- Hickey, William J., Westwood, assignor to J. E. Spires, Los Angeles, Calif. Clamp for concrete-curb forms. 1,674,042; June 19.
- Hickman, Harry B., Eastland, Tex. Apparatus for gauging temperature of gasoline in tank cars. 1,668,149; May 1.
- Hickman, John B. (See Stockham, J. B., and Hickman.)
- Hickman, Joseph T., Washington, D. C. Dual-control apparatus. 1,694,916; Dec. 11.
- Hickman, William A., West Mystic, Conn. Boat. 1,670,622; May 22.
- Hickman, William A., West Mystic, Conn. Boat. 1,670,623; May 22.
- Hickman, William A., West Mystic, Conn. Boat. 1,681,342; Aug. 21.
- Hickok, C. F., Co. (See Bier, Lizzie M., assignor.)
- Hickok Manufacturing Company. (See Beck, Alwin H., assignor.)
- Hickok Manufacturing Company. (See Dieterich, William, assignor.)
- Hickok Manufacturing Company. (See Eichner, Robert F., assignor.)
- Hickok Manufacturing Company. (See Gorsuch, George J., assignor.)
- Hickok Manufacturing Company. (See Houghtaling, Guy R., assignor.)
- Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
- Hickok Manufacturing Company. (See Mix, E. S., and Sachs, assignors.)
- Hickok Manufacturing Company. (See Mix, E. S., and Whitehouse, assignors.)
- Hickok Manufacturing Company. (See Vaisey, Harold C., assignor.)
- Hickok, W. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)
- Hickox, Kasson, Chicago, Ill. Vapor inhaling and bath apparatus. 1,670,538; May 22.
- Hicks, Archie W., Pasadena, Calif. Valve-stem cap and tie lock. 1,660,752; Feb. 28.
- Hicks, Harlie H., assignor to General Motors Corporation, Detroit, Mich. Front motor mounting. 1,655,146; Jan. 8.
- Hicks, Harlie H., assignor to General Motors Corporation, Detroit, Mich. Making pressed-steel hubs. 1,694,779; Dec. 11.
- Hicks, Harold A., Detroit, assignor to Ford Motor Company, Detroit, Mich. Airplane-rudder control. 1,655,698; Jan. 10.
- Hicks, John, Somerville, N. J. Heater. 1,665,924; Apr. 10.
- Hicks, John N. (See Sevens, C., and Hicks.)
- Hicks, Lyle J., Detroit, Mich. Combined casing and supporting bracket. 1,669,199; May 8.
- Hicks, Thomas W., Minneapolis, Minn. Tiller. 1,670,539; May 22.
- Hicks, Thomas W., Minneapolis, Minn. Tiller. 1,682,224; Aug. 28.
- Hicks, Thomas W., Minneapolis, Minn. Tiller. 1,691,351; Nov. 13.
- Hicks, Thomas W., Minneapolis, Minn. Tiller. 1,691,352; Nov. 13.
- Hicks, William D., Inglewood, Calif. Machine for making lath. 1,654,934; Jan. 3.
- Hicks, William W. (See Kercher, Arthur J., assignor.)
- Hicks, William W. (See Kercher, A. J., and Hicks.)
- Hicks, William W. (See Mooney, H. V., and Hicks.)
- Hicks, William W., San Francisco, Calif. Electric heating device. 1,659,774; Feb. 21.
- Hicks, William W., San Francisco, Calif. Electrical base-board heater. 1,664,171; Mar. 27.
- Hicks, William W., San Francisco, and A. J. Kercher, Berkeley, Calif. Electric heater. 1,667,257; Apr. 24.
- Hicks, William W., San Francisco, Calif., and H. V. Mooney, Seattle, Wash. Electric heating system. 1,671,684; May 29.
- Hiebert, Fritz G. (See Meyers, R. J., and Hiebert.)
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag-frame fastener. Des. 74,301; Jan. 24.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag frame. Des. 76,685; Oct. 23.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag frame. Des. 76,686; Oct. 23.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag-frame structure. 1,659,567; Feb. 21.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Toilet-accessory cabinet. 1,666,652; Apr. 17.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Metal box and cover. 1,666,653; Apr. 17.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag and like lock. 1,666,654; Apr. 17.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Combined clasp, catch, and lock for bags. 1,672,383; June 5.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag fastener. 1,677,137; July 17.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Desk calendar. 1,681,235; Aug. 21.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag fastener. 1,683,074; Sept. 4.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bottle-opening implement. 1,695,098; Dec. 11.
- Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Metal box. 1,696,483; Dec. 25.
- Hiers, Glen S. (See Adams, R., and Hiers.)
- Hiestler, Fay, Bremen, Ind. Merchandise-display unit. 1,666,821; Apr. 17.
- Hiett, Tee H., Dora, Ala. Gasoline-price indicating and computing device. 1,673,146; June 12.
- Higbee, Ray P., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elevator-control system. 1,669,518; May 15.
- Higby, B. P. (See Swanberg, Arthur W., assignor.)
- Higby, Earl D., Santa Rosa, Calif. Fruit drier. 1,679,720; Aug. 7.
- Higdon, Zalmon B., Ponca City, Okla. Drilling bit. 1,667,155; Apr. 24.
- Higginbottom, Edwin, Liverpool, England. Machine for separating particles by specific weight. 1,657,161; Jan. 24.
- Higgins, Albert L., Bar Harbor, Me. Figure wheeled toy. 1,681,666; Aug. 21.
- Higgins, Clark F., Melrose, Mass. Lumber roller. 1,660,967; Feb. 28.
- Higgins, Clifford B. and H. A., and J. Tyler, Detroit, Mich. Roll holder. 1,655,226; Jan. 3.
- Higgins, Edward W. (See James, Thomas J., assignor.)
- Higgins, Eric B., assignor to United Water Softeners Limited, London, England. Process involving exchange reactions. 1,671,864; May 29.
- Higgins, Eric B., Brentford, assignor of one-half to British Synthetics Limited, Manchester, England. Manufacture of chlorides of aromatic ortho-hydroxycarboxylic acids. 1,684,273; Sept. 11.
- Higgins, Ernest, Gloucester, England. Shirt and like article of wearing apparel. 1,696,679; Dec. 25.
- Higgins, Frank, and A. E. Nordstrom, Princeton, Ill. Hydrocarbon burner. 1,677,447; July 17.
- Higgins, Frank, and A. E. Nordstrom, Princeton, Ill. Oil-burning system. 1,679,900; Aug. 7.

- Higgins, George F. (See Nelson, E., and Higgins.)
Higgins, George H., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Forging insulator caps. 1,678,594; July 24.
Higgins, Harlin, A. L. Fish, and J. L. O'Hare, Faith, S. Dak. Automobile crank-case drainer. 1,686,749; Oct. 9.
Higgins, Harlin, A. L. Fish, and J. L. O'Hare, Faith, S. Dak. Crank-case drainer. 1,687,980; Oct. 16.
Higgins, Harry A., Detroit, Mich. Radiator. 1,693,234; Nov. 27.
Higgins, Harry A., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,693,233; Nov. 27.
Higgins, Harry B. (See Higgins, Clifford B. and H. A., and Tyler.)
Higgins, John J., East Orange, N. J. assignor to Westinghouse Lamp Company. Lamp-stem holder. 1,663,550; Mar. 27.
Higgins, John J., East Orange, N. J. assignor to Westinghouse Lamp Company. Soldering leading-in wires to lamp bases. 1,676,949; July 10.
Higgins, John J., East Orange, N. J. assignor to Westinghouse Lamp Company. Gas economizer. 1,695,848; Dec. 18.
Higgins, John J., East Orange, and M. A. Hoyt, Bloomfield, N. J. assignors to Westinghouse Lamp Company. Coil-winding machine. 1,663,549; Mar. 27.
Higgins, Patrick S., et al. (See Gartner, John H., assignor.)
Higgins, William H. C., jr., assignor to Advance-Rumely Company, La Porte, Ind. Carburetor. 1,695,550; Dec. 18.
Higham, Harry, Newark, N. J. Oxford eyeglasses. 1,681,038; Aug. 14.
Higham, Harry, Maplewood, assignor to Frank Krementz Company, Newark, N. J. Ophthalmic mounting. Des. 75,624; June 26.
Higham, John, Fort Richmond, N. Y., assignor to Display Stage Lighting Co. Inc. Electric-cable-coupling connector. 1,685,420; Sept. 25.
Highberg, Carle J. (See Heald, R. A., Highberg, and Taylor.)
Highers, Simon C., Dixon Springs, Tenn. End-gate fastener. 1,688,543; Oct. 23.
Highfield, Frank W., Coventry, England. Electrical apparatus for testing motor-vehicle and other mechanical power transmission mechanisms. 1,662,705; Mar. 13.
Highfield, William E. (See Calverley, J. E., and Highfield.)
Highkin, David S., Baltimore, Md. Dental articulator. 1,669,335; May 8.
Highkin, David S., Baltimore, Md. Dental articulator. 1,669,336; May 8.
Hight, Eugene S., Peoria, Ill. Variable-speed device. 1,695,099; Dec. 11.
Hight, William R., Hollis, assignor to The Sperry Gyroscope Company, New York, N. Y. Gyroscopic compass. 1,686,524; Oct. 9.
Hightstown Rug Company. (See Thompson, Arthur T., assignor.)
Highway Safety Barrier Company. (See Strauss, Joseph B., assignor.)
Highway Trailer Company. (See Clement, Charles G., assignor.)
Higinbotham, Arthur O. (See Huntington, E. S., and Higinbotham.)
Higinbotham, Arthur O., assignor of one-half to W. A. Weigle, Denver, Colo. Apparatus for supplying oxygen to combustion chambers. 1,672,316; June 5.
Hilcken, Valentin. (See Rothmann, A., and Hilcken.)
Hild, Frederic W., Los Angeles, Calif. Measuring device. 1,669,519; May 15.
Hilde, Ole L., Minneapolis, Minn. Traffic signal. Des. 76,241; Sept. 4.
Hildebrand, Bud. (See Ochs, C., and Hildebrand.)
Hildebrand, James L., Lynn, Mass. Razor-blade sharpener. 1,654,649; Jan. 3.
Hildebrand, John F., Los Angeles, Calif. Ash tray. Des. 74,507; Feb. 21.
Hildebrand, Reinhard, Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Pipe joint. 1,662,607; Mar. 13.
Hildebrandt, Frank M. (See Hoffman, C., Frey, and Hildebrandt.)
Hildebrandt, Zigmont, St. Louis, Mo. Sectional level. 1,655,766; Jan. 10.
Hilditch, Ernst, et al., executors. (See Bull, Fredrik R.)
Hildorf, Walter G., assignor to Reo Motor Car Company, Lansing, Mich. Method and apparatus for hardening brake drums and the like. 1,674,470; June 19.
Hildreth, Ossion H., Wilton, Me. Circular saw. 1,687,448; Oct. 9.
Hileman, Austin C., Ford City, Pa., assignor to Pittsburgh Plate Glass Company. Portable mitring machine. 1,660,333; Feb. 28.
Hiles, John N. (See Stump, O. R., and Hiles.)
Hiley, Alfred, Rickmansworth, assignor to The British Steel Piling Company, Limited, Westminster, England. Construction of concrete piles. 1,686,660; Oct. 9.
Hilfiker, Arnold, New York, N. Y. Caliper attachments. 1,659,915; Feb. 21.
Hilfiker, Clara. (See Ament, L. C., and Hilfiker.)
Hilfman, Harry. (See Klierem, John, assignor.)
Hilford, Glen G., Tulsa, Okla. Funnel. 1,676,986; July 10.
Hilfreich, Max, Vienna, Austria. Manufacturing blocks of artificial resin in differently-colored layers. 1,668,590; May 8.
Hilgedick, Rudy, Chicago, Ill. Ironer. 1,684,584; Sept. 18.
Hilger, Adam, Limited. (See Smith, Charles F., assignor.)
Hilger, George, Chicago, Ill. Refrigeration system. 1,662,806; Mar. 13.
Hilgers, Wilhelm, Dusseldorf, Germany. Molding machine for butter, margarine, and the like. 1,690,784; Nov. 6.
Hilgert, Mathew, New York, N. Y. Orthopedic shoe. 1,692,896; Nov. 27.
Hilke, Henry C., Seattle, Wash. Sawing machine. 1,680,331; Aug. 14.
Hill, Albert E. (See Agate, C. S., and Hill.)
Hill, Alexander P., Hancock, Minn. Milk-pail holder. 1,667,785; May 1.
Hill, Alvin J., and G. Purnell, Angleton, Tex. Advertising device. 1,663,165; Mar. 20.
Hill, Ben J., and G. W. Meyer, Shawnee, Okla. Headlight dimmer. 1,658,679; Feb. 7.
Hill, Bert E. (See Jensen, Frederick, assignor.)
Hill, Birdie E., Guthrie, Ky. Illuminated automobile license plate. 1,656,635; Jan. 17.
Hill, Boardman J., Des Moines, Iowa. Ink-cleaning device for flat-bed cylinder printing presses. 1,663,049; Mar. 20.
Hill, Charles W., Oakdale, Tenn. Whistle and safety valve. 1,662,706; Mar. 13.
Hill, Charles W., Birmingham, Ala. Refining iron and steel products. 1,686,087; Oct. 2.
Hill, Clarence M., Wilkinsburg, assignor of one-half to D. D'Arcangelo, Verona, Pa. Sanding device. 1,673,332; June 12.
Hill, D. Stanley, Effingham, Ill. Articulator for artificial dentures. 1,687,864; Oct. 16.
Hill, David, West Barrington, E. I. Motor-vehicle heater. 1,684,672; Sept. 18.
Hill, Dwight B., Winchester, assignor of one-half to H. F. French, Randolph, Mass. Electric coil. 1,679,471; Aug. 7.
Hill, Earl V., Chicago, Ill. Thermostat control for radiator valves. 1,682,905; Sept. 4.
Hill, Edgar H., and H. Hawkins, Nottingham, England. Warp-knitting machine. 1,680,614; Aug. 14.
Hill, Edward E., Indianapolis, Ind. Casket-light support. 1,672,317; June 5.
Hill, Edwin P., assignor to General Motors Corporation, Detroit, Mich. Motor support. 1,658,559; Feb. 7.
Hill, Frank. (See Kammerer, G., and Hill.)
Hill, Fred E., assignor to Quality Manufacturing Company, Inc., Woburn, Mass. Mop. 1,692,987; Nov. 27.
Hill, George E. C., Niagara Falls, N. Y. Toothbrush holder. 1,694,941; Dec. 11.
Hill, Grover C., assignor of 50 per cent to M. P. Blaemire, Phoenix, Ariz. Spoke tightener. 1,672,643; June 5.
Hill, Guy. (See Mauborgne, J. O., and Hill.)
Hill, Harold O., Aspinwall, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Tower construction. 1,687,449; Oct. 9.
Hill, Harold O., Aspinwall, assignor to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Transmission tower. 1,696,569; Dec. 25.
Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens polisher. 1,666,701; Apr. 17.
Hill, Henry, Brockton, Mass. Support for polishing shoes. 1,686,133; Oct. 2.
Hill, Henry J., Jersey City, N. J. Mail receiving and delivering device. 1,664,819; Apr. 3.
Hill, Hermann, Fredonia, assignor to Rex Engineering Corporation, Dunkirk, N. Y. Baling press. 1,673,243; June 12.
Hill, Hiram H., Chico, Calif. Nut-cracking machine. 1,688,966; Oct. 23.
Hill, Jabe, Phoenix, Ariz. Workbench. 1,662,608; Mar. 13.
Hill, James. (See Horsfall, R. S., Lawrie, and Hill.)
Hill, John W., assignor of forty-nine one-hundredths to J. T. Caley, Salt Lake City, Utah. Voltage-testing apparatus. 1,686,451; Oct. 2.
Hill, Joseph B. (See Delbridge, T. G., and Hill.)
Hill, Joseph B. (See Miller, S. P., and Hill.)
Hill, Joseph B., assignor to The Atlantic Refining Company, Philadelphia, Pa. Conversion of lead sludge. 1,667,550; Apr. 24.
Hill, Joseph B., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of lead sludge. 1,682,562; Aug. 28.
Hill, Joseph E., Detroit, Mich. Conduit connector. 1,684,826; Sept. 18.
Hill Laundry Equipment Co. (See Schrenkeisen, William C., assignor.)
Hill, Laura, Seattle, Wash. Lifeboat. 1,661,801; Mar. 6.
Hill, Leland H. (See Dann, W. M., Hill, and Sipher.)
Hill, Leland H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tank structure. 1,684,059; Sept. 11.
Hill, Leonard J., Grand Rapids, Mich. Extension table. 1,684,831; Sept. 18.
Hill, Lucille, et al. (See Schiffko, Ewald J., assignor.)
Hill, Malcolm W., Baltimore, Md. Vending machine. 1,654,877; Jan. 3.

- Hill, Myron F., New York, N. Y. Internal-combustion engine. 1,676,264; July 10.
- Hill, Myron F., New York, N. Y. Internal rotor. 1,682,563; Aug. 28.
- Hill, Myron F., New York, N. Y. Compressor. 1,682,564; Aug. 28.
- Hill, Myron F., New York, N. Y. Rotary compressor. 1,682,565; Aug. 28.
- Hill, N. A., Brass Co., The. (See Hill, Wyman N., assignor.)
- Hill, Nikolai, Mellen, Wis. Railway tie. 1,683,824; Sept. 11.
- Hill, Oris C., Pawtucket, R. I. Snap link. 1,665,059; Apr. 3.
- Hill, Reuben. (See Frank, W. N., Croninger, and Hill.)
- Hill, Reuben, West Hartford, Conn., assignor of one-half to M. A. Possons, Cleveland, Ohio. Signal system. 1,655,370; Jan. 3.
- Hill, Reuben, West Hartford, Conn., assignor to The Grolan Manufacturing Company, Dayton, Ohio. Valve. 1,676,330; July 10.
- Hill, Richard D., and W. W. Foster, Wichita Falls, Tex. Fishing-tool guide. 1,691,972; Nov. 20.
- Hill, Roger M., Washington, D. C. Incandescent-lamp retainer and mounting. 1,661,138; Feb. 28.
- Hill, Roland E. (See Williams, G. A., and Hill.)
- Hill, Roland E., assignor to Williams Sealing Corporation, Decatur, Ill. Capping device. 1,669,200; May 8.
- Hill, Roland E., assignor to Williams Sealing Corporation, Decatur, Ill. Lever-tripping device for bottle-capping machines. 1,690,070; Oct. 30.
- Hill, Roscoe G., assignor of one-half to F. X. Knobel, River Falls, Wis. Piston and piston-ring construction. 1,666,966; Apr. 24.
- Hill, Roy W., trustee. (See Kessler, Louis, assignor.)
- Hill, Samuel, and J. Latvala, Tvecoma, Mich. Furnace. 1,695,551; Dec. 18.
- Hill, Thomas, assignor to D. H. Gilchrist, Detroit, Mich. Mop. 1,676,497; July 10.
- Hill, Thomas W., and E. J. Reed, Swissvale, Pa. Refreshment stand. Des. 76,750; Oct. 30.
- Hill, William H., Elyria, Ohio. Heating stove. Des. 75,244; May 22.
- Hill, William H., Canton, Ohio. Fuel vaporizer. 1,678,045; July 24.
- Hill, William H., Canton, Ohio. Internal-combustion engine. 1,692,339; Nov. 20.
- Hill, William L., Leicester, England. Boot or shoe. 1,683,465; Sept. 4.
- Hill, William R., assignor to Sargent & Greenleaf, Inc., Rochester, N. Y. Lock mechanism. 1,673,510; June 12.
- Hill, Wyman N., assignor to The N. N. Hill Brass Co., East Hampton, Conn. Wheeled toy. 1,695,333; Dec. 18.
- Hilland, Sverre, New York, N. Y. Rivet catcher. 1,671,112; May 29.
- Hillard, Frederic W., Tottenville, N. Y. Paper finger for typewriting machines. 1,687,208; Oct. 9.
- Hillborn, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 74,263; Jan. 17.
- Hillborn, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 75,975; Aug. 7.
- Hillborn, Herbert J., assignor to Evinrude Motor Company, Milwaukee, Wis. Pump attachment for outboard-motor engines. 1,663,258; Mar. 20.
- Hillborn, Herbert J., assignor to Evinrude Motor Company, Milwaukee, Wis. Outboard motor. 1,685,814; Oct. 2.
- Hille, Hans A., Des Moines, Iowa. Brake equalizer. 1,655,268; Jan. 3.
- Hillebrand, Franz, Niederschonhausen, Berlin, Germany, assignor to General Electric Company. Dynamo-electric machine. 1,659,106; Feb. 14.
- Hillebrandt, Johan E., West Brighton, N. Y. Musical instrument. 1,693,924; Dec. 4.
- Hiller, Abraham, New Orleans, La. Stocking. Des. 76,751; Oct. 30.
- Hiller, Everett O., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,670,769; May 22.
- Hiller, Isaac E., Marion, Mass. Machine for spreading sand, gravel, etc. 1,689,342; Oct. 30.
- Hiller, Nicolai H., Carbondale, Pa. Refrigerating apparatus. 1,691,286; Nov. 13.
- Hiller, Stanley, assignor to Stanley Hiller, Inc., San Jose, Calif. Continuous screw press. 1,696,401; Dec. 25.
- Hiller, Stanley, Inc. (See Hiller, Stanley, assignor.)
- Hillery, John J., Boonton, N. J. Attachment for automotive vehicles. 1,678,007; July 24.
- Hillery, Purley E. (See Trewitt, J. E., and Hillery.)
- Hilliard, John D., assignor to General Electric Company, Schenectady, N. Y. Electric switch. Re16,912; Mar. 20.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,673,676; June 12.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,687,560; Oct. 16.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,694,261; Dec. 4.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,694,320; Dec. 4.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Oil switch. 1,696,570; Dec. 25.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,696,571; Dec. 25.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,696,572; Dec. 25.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,696,573; Dec. 25.
- Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Fluid-break switch. 1,696,604; Dec. 25.
- Hillier, Robert E. (See Emons, Ernest E., assignor.)
- Hillix, Foster F., assignor, by mesne assignments, to White Sewing Machine Corporation, Cleveland, Ohio. Electric motor. 1,686,324; Oct. 2.
- Hillman, Carl J., Houston, Tex. Core drill. 1,661,426; Mar. 6.
- Hills Brothers Company, The. (See Barfield, William, assignor.)
- Hills, Ernest E., Oshkosk, Wis. Windshield for vehicles. 1,687,367; Oct. 9.
- Hills, Leslie W., San Francisco, Calif. Counter. 1,668,717; May 8.
- Hillstrom, Golden A., Chicago, Ill. Boat carrier for automobiles. 1,681,936; Aug. 28.
- Hillyard, Newton S., St. Joseph, Mo. Liquid receptacle. 1,654,810; Jan. 3.
- Hillyard, Newton S., St. Joseph, Mo. Combination desk calendar. 1,661,288; Mar. 6.
- Hillyard, Newton S., St. Joseph, Mo. Liquid-dispensing device. 1,665,925; Apr. 10.
- Hillyard, Newton S., St. Joseph, Mo. Wiper. 1,684,625; Sept. 18.
- Hilpert, Meier G., Bethlehem, Pa. Game apparatus. 1,682,279; Aug. 28.
- Hilshansky, George, Johnstown, Pa. Cigar and cigarette holder. 1,661,895; Mar. 6.
- Hilshansky, George, Johnstown, Pa. Smoking pipe. 1,671,899; May 29.
- Hilteneittel, Albert F., assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Baseball glove. 1,655,015; Jan. 3.
- Hilton, Avery J., Gloucester, Mass. Saxophone. 1,685,129; Sept. 25.
- Hilty, Alpheus M., McKeesport, Pa. Sash fastener. 1,677,825; July 17.
- Hiltz, George S., Brooklyn, N. Y., and W. F. Purcell, Hoboken, N. J., assignors to Stock Quotation Telegraph Company, New York, N. Y. Printing telegraph system. 1,669,201; May 8.
- Hiltz, Harry B., New York, assignor, by mesne assignments, to Autosales Corporation, Long Island City, N. Y. Coin-controlled mechanism. 1,677,893; July 24.
- Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic control for ironing-machine temperatures. 1,657,504; Jan. 31.
- Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Utility drive. 1,669,560; May 15.
- Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible thermostatic element. 1,669,561; May 15.
- Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power mechanism. 1,673,566; June 12.
- Himes, Walter H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pipe-threading machine. 1,686,661; Oct. 9.
- Himes, Walter H., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bearing. 1,687,668; Oct. 16.
- Himes, William D., assignor to Los Angeles Manufacturing Company, Los Angeles, Calif. Pipe coupling. 1,663,762; Mar. 27.
- Himler, Joseph G., Latrobe, Pa. Hedge trimmer. 1,679,421; Aug. 7.
- Himmel Bros. Co., The. (See Himmel, Fred and I., assignors.)
- Himmel, Fred and I., assignors to The Himmel Bros. Co., New Haven, Conn. Store-front construction. 1,659,430; Feb. 14.
- Himmel, Fred and I., assignors to The Himmel Bros. Co., New Haven, Conn. Store-front construction. 1,670,151; May 15.
- Himmel, Isidore. (See Himmel, Fred and I.)
- Himmelein, George J. (See Daniels, S., and Himmelein.)
- Himmelright, Raleigh J. (See Stevens E. P., and Himmelright.)
- Himmelright, Raleigh J., New York, N. Y., assignor to American Arch Company. Arch brick. 1,695,459; Dec. 18.
- Himmer, Vitalis, Mountain Lakes, N. J. Loud speaker. Des. 74,792; Mar. 27.
- Hinchliffe, James C., Jr. (See Vanderput, Anthony, assignor.)
- Hinchman, Alva K., Gloucester City, N. J., assignor to J. H. Malone, Drexel Hill, Pa. Automatic pressure-regulator valve. 1,696,143; Dec. 18.
- Hinckley-Myers Company. (See Holton, George E., assignor.)
- Hind, William M., Buffalo, N. Y. Knockdown reel. 1,679,573; Aug. 7.
- Hindahl, David. (See Morey, W. E., and Hindahl.)

- Hinde, Henry J., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Shaft-control means for drawing and stamping presses. 1,694,063; Dec. 4.
- Hinde, James J., Sandusky, Ohio. Artificial timber and continuous process for making the same from waste material. 1,659,688; Feb. 21.
- Hinder, Percival G. H., London, England. Foot support. 1,693,482; Nov. 27.
- Hinderliter, Frank J., Tulsa, Okla. Swivel bailer top. 1,655,463; Jan. 10.
- Hinderliter, Frank J., Tulsa, Okla. Slip-ring socket. 1,686,184; Oct. 2.
- Hindes, Joseph F., et al., trustees. (See Braecklein, Alfred H., assignor.)
- Hindle, John H. and T., Haslingden, England. Loom for weaving. 1,678,434; July 24.
- Hindle, John H. and T., Haslingden, England. Shedding mechanism for looms for weaving. 1,687,865; Oct. 16.
- Hindle, Thomas. (See Hindle, John H. and T.)
- Hindmarsh, Camille, et al., executives. (See Becker, Edmund.)
- Hinds, Hubert D., Springfield, Ill. Oiling pad. 1,658,845; Feb. 14.
- Hinds, Hubert D., Springfield, Ill. Reverse-gear mechanism. 1,659,820; Feb. 21.
- Hinds, Robert L. (See Lewellyn, John A., assignor.)
- Hinds, Sherwood, Galesburg, Mich. Vending-machine casing. Des. 74,369; Feb. 7.
- Hinds, Sherwood, Galesburg, Mich. Vending-machine casing. Des. 74,370; Feb. 7.
- Hinds, Sherwood, Galesburg, Mich. Vending-machine casing. Des. 75,729; July 10.
- Hinds, Sherwood, assignor to St. Louis Pump & Equipment Company, St. Louis, Mo. Rotary pump. 1,684,274; Sept. 11.
- Hinds, Sherwood, Richmond Heights, assignor to St. Louis Pump & Equipment Company, St. Louis, Mo. Dispensing apparatus. 1,688,314; Oct. 16.
- Hine, James H. (See Hine, James W., assignor.)
- Hine, James W., Brooklyn, N. Y., assignor to J. H. Hine, Denver, Colo. Book support. 1,675,269; June 26.
- Hinceline, Harris D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,669,520; May 15.
- Hines, Binney, Wilkinsburg, and H. N. Richards, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Trolley-conductor support. 1,660,873; Feb. 28.
- Hines, Calvin N. (See Brower, C. E., and Hines.)
- Hines, Edwin G., Drums, Pa. Milk-bottle receptacle. 1,660,614; Feb. 28.
- Hines, Gail H., Lansing, Mich. Power-control device. 1,678,595; July 24.
- Hines, Gail H., Lansing, Mich. Power-control device. 1,681,613; Aug. 21.
- Hines, Homer A. (See Snoddy, C. S., Hines, and Megonigle.)
- Hines, John, Buffalo, N. Y. Line-anchoring device. 1,673,248; June 12.
- Hines, William J., assignor to The Fuller Brush Company, Hartford, Conn. Vanity case. Des. 75,688; July 3.
- Hines, William J., assignor to The Fuller Brush Company, Hartford, Conn. Vanity case. 1,671,930; May 29.
- Hinger, John A., D. B. Mayer, and J. Wilson, Cleveland, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Fluid-pressure control for presses. 1,666,449; Apr. 17.
- Hinkle, Andy, Atlanta, Ga. Picker-stick check. 1,666,822; Apr. 17.
- Hinks, Fred L., Fort Dodge, Iowa. Rotatable sign. 1,695,589; Dec. 18.
- Hirman, George L., New Haven, Conn., assignor to The Geist Manufacturing Company. Strainer. 1,694,743; Dec. 11.
- Hinman, Laura B., Syracuse, N. Y. Screen for windows of automobiles. 1,684,027; Sept. 11.
- Hinman, Robert M., assignor to The State Foundry and Pattern Company, Akron, Ohio. Apparatus for casting molds or the like. 1,687,450; Oct. 9.
- Hinneken, Florent, Paterson, N. J. Reinforced flange. 1,684,396; Sept. 18.
- Hinrich, Robert M., assignor to Drake Avery Company, Detroit, Mich. Lock-type damper regulator. 1,672,318; June 5.
- Hinrichs, John A., Paterson, N. J. Picker stick. 1,677,088; July 10.
- Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,658,197; Feb. 7.
- Hinrichsen, Edward E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Trunk-testing circuits for selector switches. 1,687,669; Oct. 16.
- Hinrichsen, Edward E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,689,343; Oct. 30.
- Hinsdale, Frank G., New York, N. Y. Manufacture of curtains. 1,673,821; June 19.
- Hinsdale, Frank G., New York, N. Y. Method of and apparatus for inspecting and searching lace fabrics. 1,673,822; June 19.
- Hinsdale, Frank G., New York, N. Y. Machine for doffing lace fabrics. 1,673,823; June 19.
- Hinshaw, John B., Topeka, Kans. Antifriction agitator. 1,667,551; Apr. 24.
- Hintermann, Theodor, Bern, Switzerland. Harvesting machine with scatterer. 1,684,626; Sept. 18.
- Hinton, George B., Mexico, Mexico. Making cementitious material of cellular structure. 1,657,716; Jan. 31.
- Hinton, George B., Mexico City, Mex. Making cellular cementitious materials. 1,687,067; Oct. 9.
- Hintze, James A., Davenport, Iowa. Concrete former. 1,680,542; Aug. 14.
- Hinz, Otto, and R. Merrell, Los Angeles, Calif. Multiple ice-cream disher. 1,688,079; Oct. 16.
- Hinz, William H., Oak Park, Ill. Filler for radiator pans. 1,692,039; Nov. 20.
- Hiorns, Algernon E. E., London, England. Safety razor and stropping appliance. 1,657,162; Jan. 24.
- Hiorns, Harry, Torquay, England. Rotary piston mechanism and its application to variable-speed gearing. 1,691,479; Nov. 13.
- Hiorth, Jens B., Hovik, near Oslo, Norway. Guide apparatus for the propeller stream of vessels. 1,689,779; Oct. 30.
- Hipp, Didisheim Company. (See Laska, Abraham, assignor.)
- Hippenmeyer, Irving R., Waukegan, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve. 1,672,258; June 5.
- Hippenmeyer, Irving R., Waukegan, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle-washing apparatus. 1,684,827; Sept. 18.
- Hippenmeyer, Irving R., Waukegan, assignor to The Creamery Package Mfg. Company, Chicago, Ill. Case-washing machine. 1,684,828; Sept. 18.
- Hippensteel, Claude L., Elizabeth, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Testing apparatus. 1,695,046; Dec. 11.
- Hipple, James L., Canton, Ill., assignor to International Harvester Company. Tractor planter. 1,677,478; July 17.
- Hird-Anderson Machinery Co. (See Hird, John B., Jr., assignor.)
- Hird, John B., Jr., Seattle, Wash., assignor to Hird-Anderson Machinery Co. Internal-combustion engine. 1,678,221; July 24.
- Hire, Merrill J., assignor to Playground & Gymnasium Equipment Company, Minneapolis, Minn. Bob rocker. 1,689,137; Oct. 23.
- Hire, Merrill J., Minneapolis, assignor to Playground & Gymnasium Equipment Company, Minneapolis, Minn. Batter's inclined rotary water platform. 1,689,138; Oct. 23.
- Hires Auto Awning Company. (See Hires, Joseph D., assignor.)
- Hires, Castner & Harris, Inc. (See Hires, J. E., and Jacoby, assignors.)
- Hires, John B., Ardmore, and H. L. Jacoby, Willow Grove, assignors to Hires, Castner & Harris, Inc., Philadelphia, Pa. Punch. 1,673,244; June 12.
- Hires, Joseph D., Luxora, Ark. Auto awning. 1,655,789; Jan. 10.
- Hires, Joseph D., Luxora, assignor to Hires Auto Awning Company, Incorporated, Blytheville, Ark. Sun shield. 1,670,966; May 22.
- Hires, Joseph D., Luxora, assignor to Hires Auto Awning Company, Incorporated, Blytheville, Ark. Sun shield. 1,683,186; Sept. 4.
- Hirner, Emil A., Allentown, Pa. Wringer. 1,683,352; Sept. 4.
- Hirosawa, Shinichi, Sendai-Shi, Japan. Receiver. 1,660,615; Feb. 28.
- Hirsch, Alcan, et al. (See Frieden, Alexander, assignor.)
- Hirsch, Carl, et al. (See Jehle, Wilhelm, assignor.)
- Hirsch, Edwin W., Chicago, Ill. Bladder-pressure-testing apparatus. 1,666,332; Apr. 17.
- Hirsch, Jacob H., Atlanta, Ga., and J. F. Gail, Evanston, Ill., assignors to Simmons Company, New York, N. Y. Process and apparatus for making composite mattresses. 1,688,333; Oct. 23.
- Hirsch, Joseph, Yonkers, N. Y., assignor to Kops Bros. Inc. Brassière. 1,655,224; Jan. 3.
- Hirsch, Joseph, Yonkers, N. Y., assignor to Kops Bros. Inc. Elastic webbing. 1,662,609; Mar. 13.
- Hirsch, Joseph, Yonkers, N. Y., assignor to Kops Bros. Inc. Elastic webbing. 1,663,303; Mar. 20.
- Hirsch-Lederer Syndicate, Inc. (See Downs, C. R., and Strange, assignors.)
- Hirsch, Max. (See Horak, Frank, assignor.)
- Hirsch, Morris, Newark, N. J. Foldable box. 1,670,036; May 15.
- Hirsch, Nathan. (See Corona, Arthur, assignor.)
- Hirschkind, Wilhelm, Antioch, and C. W. Schedler, Berkeley, assignors to Great Western Electro Chemical Company, San Francisco, Calif. Producing hydrochloric acid synthetically. 1,695,552; Dec. 18.
- Hirschl, Marcus A., Chicago, Ill., assignor to National Standard Company, Niles, Mich. Jack. 1,692,444; Nov. 20.
- Hirschman, William F., Buffalo, N. Y. Rotary ventilator. 1,663,199; Mar. 20.
- Hirschmann, Josef, Baltimore, Md., assignor to The Eastern Rolling Mill Company. Heating furnace. 1,686,696; Oct. 9.

- Hirschmann, William F., Leroy, N. Y. Rotary ventilator. 1,681,343; Aug. 21.
- Hirschy Company, The. (See Hirschy, Herman C., assignor.)
- Hirschy Company, The. (See Hirschy, H. C., and Hitchcock, assignors.)
- Hirschy, Herman C., assignor to The Hirschy Company, Duluth, Minn. Washing machine. 1,665,262; Apr. 10.
- Hirschy, Herman C., Duluth, and R. C. Hitchcock, Minneapolis, assignors to The Hirschy Company, Duluth, Minn. Wringer-control mechanism. 1,665,263; Apr. 10.
- Hirsh, Fred, assignor to Adjusta Company, New York, N. Y. Slide buckle. 1,679,306; July 31.
- Hirsh, Joseph E., Brooklyn, and A. D. Robson, assignors to Standard Varnish Works, New York, N. Y. Composition for polishing surfaces composed of cellulose-ester compositions. 1,690,680; Nov. 6.
- Hirst, Arnold. (See Hirst, Rowland R. and A.)
- Hirst, Charles E., Ames, Iowa. Valvespring lifter and remover. 1,679,970; Aug. 7.
- Hirst, John A., Chester, England. Switch gear for starting and controlling electric motors. 1,680,682; Aug. 14.
- Hirst, Rowland R. and A., Halifax, England. Land anchor. 1,691,480; Nov. 13.
- Hirth, Albert, Cannstatt-Stuttgart, Germany. Crank shaft. 1,690,296; Nov. 6.
- Hirth, Carl A., Nonnenhorn-on-the-Bodensee, Germany. Shaft coupling. 1,680,792; Feb. 28.
- Hirtz, Isidore, and V. Oliveri, New York, N. Y. Umbrella and cane rack. 1,665,590; Apr. 10.
- Hirvonen, Eric J., Worcester, Mass., assignor to Leland-Gifford Company. High-speed friction drive. 1,660,489; Feb. 28.
- Hiscock, Percy H., Pyalung, Victoria, Australia. Earth scoop. 1,691,153; Nov. 13.
- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner for burial casket. Des. 74,302; Jan. 24.
- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner for burial casket. Des. 74,303; Jan. 24.
- Hiser, Charles H., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Corner for burial casket. Des. 74,304; Jan. 24.
- Hisey, Ventry R., and E. R. Finch, Wayne, Mich. Combination table and bench. 1,657,307; Jan. 24.
- Hislop, Robert S., assignor to Racine Confectioners Machinery Company, Racine, Wis. Depositor. 1,696,845; Dec. 25.
- Hitchcock, Guy F., Houston, assignor of one-third to J. L. Tomlinson and one-third to T. H. Meeks, Harris County, Tex. Air-release valve. 1,691,391; Nov. 13.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid-cooled roll. 1,657,212; Jan. 24.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Automatic control means for electromagnetic operating devices. 1,665,060; Apr. 3.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass transfer and laying apparatus. 1,671,766; May 29.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Car-coupling apparatus. 1,679,472; Aug. 7.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for holding glass plates upon grinding and polishing tables. 1,683,250; Sept. 4.
- Hitchcock, Helen S., New York, N. Y. Articulation of doll members. 1,664,979; Apr. 3.
- Hitchcock, Helen S., New York, N. Y. Doll. 1,668,204; May 1.
- Hitchcock, Helen S., New York, N. Y. Toy animal. 1,681,537; Aug. 21.
- Hitchcock, Otto G., assignor to Hays Manufacturing Company, Erie, Pa. Soap-dish support. 1,679,032; July 31.
- Hitchcock, Ralph C. (See Hirschy, H. C., and Hitchcock.)
- Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-feeding mechanism. 1,672,412; June 5.
- Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-handling machine. 1,680,044; Aug. 7.
- Hitchcock, Reuben, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Sheet detector for paper-feeding machines. 1,691,606; Nov. 13.
- Hitchin, Ralph C. (See Harper, R. O., and Hitchin.)
- Hitchings & Company. (See King, Thomas E., assignor.)
- Hitchings & Company. (See Macdonald, John K., assignor.)
- Hitchner, Joseph C., Philadelphia, Pa. Resilient tire. 1,670,721; May 22.
- Hitt, Raymond C. (See Mulcahy, D. E., and Hitt.)
- Hitt, Thomas G., Seattle, Wash. Revolving rocket. 1,666,534; Apr. 17.
- Hitt, Thomas G., Seattle, Wash. Rocket. 1,666,598; Apr. 17.
- Hitz, Charles R., assignor of one-half to H. G. Doak, Philadelphia, Pa. Fruit-press support. 1,661,802; Mar. 6.
- Hitzemann, Mathew B., Hutchinson, Kans. Signal casing. Des. 76,019; Aug. 14.
- Hitzgrath, Paul E., Rockville Center, assignor to S. Glemby's Sons Co., Inc., New York, N. Y. Hair net. 1,684,734; Sept. 18.
- Hjorth, Oscar B. (See Blackman, H. L., and Hjorth.)
- Hlavka, James, Burke, S. Dak. Plant guard for cultivators. 1,696,680; Dec. 25.
- Hoadley, Alfred H., New York, N. Y. Water heater. 1,686,970; Oct. 9.
- Hoag, Chauncey A., Jackson, assignor, by mesne assignments, to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Heat treating and heading bolts. 1,655,956; Jan. 10.
- Hoag, Harry T., assignor to Auto Sheet Metal Works, Los Angeles, Calif. Automatic luggage carrier. 1,671,367; May 28.
- Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Fluid pump. 1,664,745; Apr. 3.
- Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Snap gauge. 1,669,873; May 15.
- Hoagland, Frank O., Bridgeport, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Adjustable snap gauge. 1,678,290; July 24.
- Hoagland, Frank O., Worcester, Mass. Backing-off device for cutters having angularly-disposed teeth. 1,695,762; Dec. 18.
- Hoagland, Albert J., Villa Park, Ill., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Manufacture of cylindrical castings and the like. 1,679,217; July 31.
- Hoaglund, Earnest B., Minneapolis, Minn. Sanitary well cap and pipe clamp. 1,684,532; Sept. 18.
- Hoague-Sprague Corporation. (See Smith, Harry B., assignor.)
- Hoal, James T., Baton Rouge, La. Louvered ventilator. 1,657,625; Jan. 31.
- Hoare, Stephen C. (See Corson, A. J., and Hoare.)
- Hoba, August, Seattle, Wash. Carton-folding machine. 1,680,615; Aug. 14.
- Hoban, Mark S., London, England. Circuit breaker. 1,676,143; July 3.
- Hobart, Arthur H., Honolulu, Hawaii. Cementing wells. 1,694,419; Dec. 11.
- Hobart Manufacturing Company, The. (See Guelden, Gottfried H., assignor.)
- Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
- Hobart Manufacturing Company, The. (See Johnston, H. L., and Akers, assignors.)
- Hobart Manufacturing Company, The. (See Johnston, H. L., and Rataiczak, assignors.)
- Hobart Manufacturing Company. (See Merseles, Henry R., assignor.)
- Hobart Manufacturing Company. (See Merseles, H. R., and Wood, assignors.)
- Hobart Manufacturing Company. (See Merseles, Herbert E., assignor.)
- Hobart Manufacturing Company. (See Merseles, H. E. and H. R., Simmons, and Engel, assignors.)
- Hobbie, Alonzo D., Newark, assignor to Dressel Railway Lamp & Signal Corporation, Arlington, N. J. Light-projecting device. 1,682,567; Aug. 28.
- Hobbie, Edward H., Boonton, N. J., assignor to Mississippi Glass Company, New York, N. Y. Sheet glass. 1,669,663; May 15.
- Hobbs, Clarence. (See Hobbs, Frank D. and C.)
- Hobbs, Frank D. and C., Los Angeles, Calif. Screen latch. 1,696,355; Dec. 25.
- Hobbs, James W., Bangor, Me., assignor to The Rail Joint Company, New York, N. Y. Welded rail joint. 1,659,976; Feb. 21.
- Hobbs, John W., assignor to A. O. Norton, Inc., Boston, Mass. Lifting jack. 1,692,169; Nov. 20.
- Hobbs, John W., Moline, assignor to G. W. Borg, Chicago, Ill. Electric motor. 1,692,408; Nov. 20.
- Hobbs, John W., Moline, assignor to G. W. Borg, Chicago, Ill. Oscillating motor. 1,692,409; Nov. 20.
- Hobbs Manufacturing Company. (See Lenston, Charles S., assignor.)
- Hobbs, Willis F., and J. A. Anderson, assignors to The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn. Valve lifter. 1,695,490; Dec. 18.
- Hobert, Clayton, Philadelphia, Pa. Detachable shoe heel. 1,674,549; June 19.
- Hobert, Clayton, Philadelphia, Pa. Detachable rubber heel. 1,675,101; June 26.
- Hoblick, Benjamin M., Fresno, assignor to Blake Moffitt & Towne, San Francisco, Calif. Packing pad. 1,682,177; Aug. 28.
- Hobs, Richard, Secaucus, N. J. Combined clock-savings-bank device. 1,682,568; Aug. 28.
- Hobson, Arthur E., Meriden, Conn. Candlestick. Des. 75,913; July 31.
- Hobson, Arthur K., assignor to The Hobson and Botts Company, Danbury, Conn. Spoon or similar article. Des. 76,394; Sept. 25.
- Hobson and Botts Company, The. (See Hobson, Arthur K., assignor.)
- Hobson, Frank E., and J. F. Shelton, Bellingham, Wash.; said Hobson assignor to said Shelton. Fuel-distilling apparatus. 1,672,860; June 5.
- Hobson, George F., U. S. Army, Washington, D. C. Portable building. 1,673,788; June 12.

- Hobson, John H., Sulphur Springs, Ark. Blow and flue cleaner. 1,681,478; Aug. 21.
- Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined gas stove and range. Des. 75,245; May 22.
- Hoch, Ellery T., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System of grouping units. 1,665,499; Apr. 10.
- Hochman, Julius C., et al. (See Levy, Aaron M., assignor.)
- Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Company, Chicago, Ill. Head of a printing scale. Des. 74,605; Mar. 6.
- Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Weighing-scale casing. Des. 76,480; Oct. 2.
- Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Coin-slot closure for scales. 1,662,642; Mar. 13.
- Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Weight-adjusting mechanism for weighing scales. 1,666,655; Apr. 17.
- Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Attachment for weight-recording scales. 1,677,826; July 17.
- Hochriem, Gustav F., assignor to Rhodes-Hochriem Manufacturing Co., Chicago, Ill. Coin-controlled ticket printing and delivering scale. 1,677,827; July 17.
- Hochstein, Isadore, Brooklyn, N. Y. Clamping device. 1,673,454; June 12.
- Hochstein, Ludwig, Wandsbek, Germany, assignor to E. T. Brown, Thomaston, Me. Heat-resistant borosilicate glass. 1,676,331; July 10.
- Hochstetter, Frederick W. (See Hochstetter, F. W., and Broad, assignors.)
- Hochstetter, Frederick W. (See McCurdy, R. P., and Hochstetter.)
- Hochstetter, Frederick W., Pittsburgh, and W. Broad, Mars, Pa., assignors, by mesne assignments, to said Hochstetter. Battery. 1,693,385; Nov. 27.
- Hockensmith, Wilbur D., Irwin, Pa. Mine car. 1,673,453; June 12.
- Hocker Corporation, The. (See Hocker, Ivan S., assignor.)
- Hocker, Ivan S., assignor to The Hocker Corporation, Philadelphia, Pa. Extracting fats from vegetable matter. 1,680,943; Aug. 14.
- Hockley, Horace R., and H. B. White, Slough, England, assignors to The National Pneumatic Company, New York, N. Y. Apparatus for operating and controlling the doors of tramway or like vehicles. 1,694,543; Dec. 11.
- Hocquart, Edouard, Clamart, and E. Hugoniot, Paris, assignors to Société Anonyme des Anciens Etablissements Gosselin Pere et Fils, Paris, France. Moving staircase of the ascending and descending type. 1,668,644; May 8.
- Hodell, Frederick G., assignor to The Chain Products Company, Cleveland, Ohio. Cabinet. 1,683,891; Sept. 11.
- Hodgart, John H., and A. W. Brydon, Toronto, Ontario, Canada. Valve. 1,693,177; Nov. 27.
- Hodge, Charles S., Seattle, Wash. Water-bag carrier. 1,689,486; Oct. 30.
- Hodge, Edward A., Rye, N. Y., assignor to Electrecorder Corporation, Dover, Del. Apparatus for measuring production. 1,672,030; June 5.
- Hodge, Elvira W., administratrix. (See Hodge, Howard D.)
- Hodge, George O., Bristol, Conn. Machine for forming balls. 1,685,361; Apr. 10.
- Hodge, Howard D., deceased; E. W. Hodge, administratrix, Bridgeport, Conn., assignor to Burgess Battery Company, Madison, Wis. Apparatus for assembling galvanic cells. 1,669,054; May 8.
- Hodge, Howard D., deceased, New York, N. Y.; E. W. Hodge, administratrix, Bridgeport, Conn., assignor to Burgess Battery Company, Madison, Wis. Dry-cell electrode. 1,684,735; Sept. 18.
- Hodge, Howard Y., Elk View, assignor to Dixie Ventilator Company, Inc., Kennett Square, Pa. Ventilator. 1,660,793; Feb. 28.
- Hodge, John C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-handling apparatus. 1,673,284; June 12.
- Hodge, John C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension device. 1,677,138; July 17.
- Hodge, Robert J., assignor to The American Buckle Co., West Haven, Conn. Slide buckle. 1,688,046; Oct. 16.
- Hodge, Thomas D., Morgan Park, Minn. Roll table. 1,659,873; Feb. 21.
- Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Air conditioner. 1,660,164; Feb. 21.
- Hodgen, James H., Los Angeles, Calif. Back filler for ditches. 1,677,342; July 17.
- Hodges, Charles R. (See Whited, E. W., and Hodges.)
- Hodges, James A. (See McFarland, Ernest H., assignor.)
- Hodges, Reginald. (See Hodges, Thomas, T. R. W., and R.)
- Hodges, Sylvanus W., Grand Rapids Township, Kent County, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Container. 1,662,422; Mar. 13.
- Hodges, Tom, Swampscott, assignor of one-half to A. W. Kaffenburgh, Jr., Boston, Mass. Carbureting system. 1,674,723; June 26.
- Hodges, Thomas R. W. (See Hodges, Thomas, T. R. W., and R.)
- Hodges, Thomas, T. R. W., and R., Cornwall, England. Apparatus for raising and locating submerged vessels. 1,685,540; Sept. 25.
- Hodges, William R., Eupora, Miss. Adjustable shackle dolly. 1,681,854; Aug. 21.
- Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,660,874; Feb. 28.
- Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,678,858; July 31.
- Hodgkins, Charles H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnet switch. 1,680,416; Aug. 14.
- Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Expandable pipe joint. 1,666,495; Apr. 17.
- Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,672,126; June 5.
- Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,680,737; Aug. 14.
- Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Steam turbine. 1,682,338; Aug. 28.
- Hodgkinson, Francis, and R. C. Allen, Swarthmore, Pa., assignors to Westinghouse Electric & Manufacturing Company. Turbine-valve mechanism. 1,650,736; Aug. 14.
- Hodgkinson, Percy W., St. Petersburg, Fla. Grade-crossing protector. 1,660,559; Feb. 28.
- Hodgson, Arthur F., Jarvis, Ontario, Canada. Honey extractor. 1,657,717; Jan. 31.
- Hodgson, Frederick, assignor to R. T. Smith and H. Harrowell, London, England. Combined cap and suspender for the handles of brooms, mops, and the like. 1,671,030; May 22.
- Hodgson, Harriette E., New York, N. Y. Toy building block. 1,656,199; Jan. 17.
- Hodgson, Harriette E., New York, N. Y. Combined washstand and water-closet. 1,660,709; Feb. 28.
- Hodgson, Harriette E., New York, N. Y. Ice-rescue device. 1,677,236; July 17.
- Hodgson, Harriette E., New York, N. Y. Plastic artificial hand. 1,680,022; Aug. 7.
- Hodgson, Harriette E., New York, N. Y. Stocking-darning form. 1,688,047; Oct. 16.
- Hodgson, Harriette E., New York, N. Y. Foot cap. 1,691,440; Nov. 13.
- Hodgson, Herbert D. (See Miller, R. M., and Hodgson.)
- Hodgson, Millard B., assignor to Eastman Kodak Company, Rochester, N. Y. Dental X-ray package. 1,687,068; Oct. 9.
- Hodgson, Walter W., assignor to Walter W. Hodgson, Inc., Philadelphia, Pa. Selecting machine for dictating the punching of holes in jacquard cards. 1,666,900; Apr. 24.
- Hodgson, Walter W., Inc. (See Hodgson, Walter W., assignor.)
- Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,666,702; Apr. 17.
- Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal containers. 1,695,100; Dec. 11.
- Hodgson, William W., and J. J. Engelman, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Handle for pails. 1,660,841; Feb. 28.
- Hoe, R., & Co. (See Ball, Harry V., assignor.)
- Hoe, R., & Co. (See Beveridge, Ernest G., assignor.)
- Hoe, R., & Co. (See Comiskey, Stanley A., assignor.)
- Hoe, R., & Co. (See Cruise, Amandus H., assignor.)
- Hoe, R., & Co. (See Halliwell, John J., assignor.)
- Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
- Hoe, R., & Co. Inc. (See Morris, E. T., and Mills, assignors.)
- Hoe, R., & Co. (See Schmidt, Louis A., assignor.)
- Hoe, R., & Co. (See Sheldon, Edward P., assignor.)
- Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
- Hoe, Robert, Poughkeepsie, N. Y. Wrench. 1,681,184; Aug. 12.
- Hoefkele, Carl, assignor to New Jersey Chain Corporation, Newark, N. J. Bracelet. 1,663,304; Mar. 20.
- Hoefker, Albert C., assignor of one-third to P. F. Krause, St. Louis, Mo. Piston for internal-combustion motors. 1,687,837; Oct. 16.
- Hoefler J., & Co. (See Hoefler, John, assignor.)
- Hoefler, John, assignor to J. Hoefler & Co., Inc., New York, N. Y. Water-color printing ink and making same. 1,660,196; Feb. 21.
- Hoefler, Carl P., Syracuse, N. Y. Glare shield for vehicle headlights. 1,669,753; May 15.
- Hoefler, Carl P., Syracuse, N. Y. Headlight. 1,686,452; Oct. 2.
- Hoefler, Lena R. (See Eldridge, Ida M., assignor.)
- Hoeflich, Victor T., New York, N. Y. Wreath. Des. 76,481; Oct. 2.
- Hoefman, Charles M. (See Mylius, W. G., and Hoefman.)
- Hoegger, Joseph A., Jersey City, N. J. Bracket. Des. 75,496; June 12.
- Hoegger, Joseph A., Jersey City, N. J. Holder for paper rolls. 1,665,738; Apr. 10.

- Hoegger, Joseph A., Jersey City, N. J. Paper holder. 1,665,739; Apr. 10.
- Hoelle, John J., Sydney, New South Wales, Australia. Domestic hand tool. 1,684,829; Sept. 18.
- Hoeller, Otto A., Cincinnati, Ohio. Automobile signal switch. 1,690,370; Nov. 6.
- Hoeller, Richard, et al. (See Kreft, Ewald, assignor.)
- Hoellrigl, Joseph, Manchester, N. H. Combination vanity case and powder puff. 1,687,451; Oct. 9.
- Hoelscher, William G. (See Sosa, A. M., and Hoelscher.)
- Hoelzel, Herman E., Elmhurst, Ill. Pattern cutter. 1,678,186; July 24.
- Hoene, Alexander E., Tacoma, Wash. Wire-twisting tool. 1,672,939; June 12.
- Hoener, Edmund A. (See Benner, W. W., and Hoener.)
- Hoerle, William F., assignor to Union Hardware Company, Torrington, Conn. Joint for folding rules, etc. 1,690,071; Oct. 30.
- Hoerman, Roman A. (See Walters, H., and Hoerman.)
- Hoerr, Louis A., St. Louis, Mo., assignor to Railway Devices Company. Angle-cock and pipe holder. 1,667,005; Apr. 24.
- Hoerr, Louis A., assignor to Western Railway Equipment Company, St. Louis, Mo. Draft gear. 1,678,141; July 24.
- Hoerr, Louis A., assignor to Western Railway Equipment Company, St. Louis, Mo. Draft gear. 1,679,607; Aug. 7.
- Hoeschen, Henry A., assignor of one-half to J. L. Baker, Omaha, Nebr. Valve. 1,673,824; June 19.
- Hoeschen, Henry A., and J. D. Wear, Omaha, Nebr. Lock. 1,664,213; Mar. 27.
- Hoessel, Anthony F., assignor to Peerless Ice Machine Company, Chicago, Ill. Expansion valve. 1,660,842; Feb. 28.
- Hoesser, Frederick A., and T. Dittrich, St. Louis, Mo. Radiator cap. 1,671,287; May 29.
- Hoewel, Herman F. (See Menne, Fritz, assignor.)
- Hoewel, Herman F., New York, N. Y. Device for controlling work supports and tool carriages. 1,655,767; Jan. 10.
- Hoexter, Seymour L., Cedarhurst, N. Y. Game. 1,686,237; Oct. 2.
- Hoey, Samuel C. (See Lauffer, F. P., and Hoey.)
- Hoffmann, Albert G., Allentown, Pa. Shuttle guard. 1,686,662; Oct. 9.
- Hofeller, Robert. (See Pieper, Albert G. L., assignor.)
- Hofer, Francis, Baltimore, Md. Detachable lapel. 1,691,717; Nov. 13.
- Hoff, Chester A., assignor to The Akron Lamp Company, Akron, Ohio. Window cleaner. 1,690,581; Nov. 6.
- Hoff, Edward A., and W. C. Sanford, La Oroya, Peru. Wardrobe trunk. 1,666,011; Apr. 10.
- Hoffa, Erwin, and E. Fischer, Hochst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Azo dye and preparing the same. 1,684,275; Sept. 11.
- Hoffa, William, Crawfordsvile, Ind., assignor to W. W. Clarke, Nelson, Calif. Automatic feeder for fowls. 1,658,018; Jan. 31.
- Hoffer, Le Roy H., assignor to T. E. Murray, Brooklyn, N. Y. Electric welding machine. 1,675,705; July 3.
- Hoffman, Arthur L., Pittsburgh, Pa. Brush. 1,683,618; Sept. 11.
- Hoffman, Arthur M. A., Passaic, N. J. Stocking. Des. 75,846; July 24.
- Hoffman, Benjamin P., assignor to The Pierce Development Company, Tulsa, Okla. Passing or back-up tongs. 1,665,301; Apr. 10.
- Hoffman & Billings Mfg. Co. (See Niedecken, Edward F., assignor.)
- Hoffman, Charles, Tuckahoe, N. Y., and C. N. Frey and F. M. Hildebrandt, Warren, Ohio, assignors, by mesne assignments, to The Fleischmann Company, New York, N. Y. Clarifying cane molasses for the growing of yeast. 1,688,236; Oct. 16.
- Hoffman, Edward, St. Louis, Mo. Rubber heel. 1,676,332; July 10.
- Hoffman, Ernst, Vienna, Austria. Reinforcement bar for concrete steel and manufacturing the same. 1,692,505; Nov. 20.
- Hoffman, Franz, Vienna, Austria. Treatment of liquids such as milk with rays, more particularly with ultraviolet rays. 1,681,538; Aug. 21.
- Hoffman, Fred E., Trumbull, Conn. Store-front construction. 1,656,636; Jan. 17.
- Hoffman, Frederick C., West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Mop holder. 1,662,777; Mar. 13.
- Hoffman, Grover C., Chicago, Ill. Garment hanger. 1,674,043; June 19.
- Hoffman, Harry L., assignor to Richard E. Thibaut, Inc., New York, N. Y. Wall-paper panel or the like. Des. 75,794; July 17.
- Hoffman Heater Company, The. (See Reinecke, John P., assignor.)
- Hoffman, Henry L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Recording device. 1,658,846; Feb. 14.
- Hoffman, Herman. (See Rosenberg, Julius, assignor.)
- Hoffman, Ira C., assignor to the trustees of Purdue University, La Fayette, Ind. Seed-corn grader. 1,655,422; Jan. 10.
- Hoffman, Irving, Philadelphia, Pa. Reversible back for upholstered furniture. 1,695,101; Dec. 11.
- Hoffman, Irving, Philadelphia, Pa. Bearing for reversible furniture backs. 1,695,102; Dec. 11.
- Hoffman, Jacob, Memphis, Tenn. Shoe-polishing machine. 1,692,120; Nov. 20.
- Hoffman, Jay C. (See Rasmussen, C. H., and Hoffman.)
- Hoffman, Leon F. (See Moody, J. C., and Hoffman.)
- Hoffman, Leon F., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compressor-regulating apparatus. 1,659,689; Feb. 21.
- Hoffman, Leon F., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Control apparatus for compressors. 1,685,781; Oct. 2.
- Hoffman, Louis, Duluth, Minn., assignor, by mesne assignments, to Steam Pressing Iron Company. Pressing implement. 1,666,599; Apr. 17.
- Hoffman, Louis, St. Paul, Minn., assignor to Steam Pressing Iron Company, Chicago, Ill. Pressing implement. 1,687,562; Oct. 16.
- Hoffman, Michael, Brooklyn, N. Y. Indicator for motion-picture-projection apparatus. 1,694,942; Dec. 11.
- Hoffman, Michael, Brooklyn, N. Y. Indicator for motion-picture-projection apparatus. 1,694,943; Dec. 11.
- Hoffman, Philip C. (See Maxwell, J., Hoffmann, and McCoy.)
- Hoffman, Philip M., Batesville, Ind. Board for card playing. 1,673,825; June 19.
- Hoffman, Robert B., Monterey, Calif. Cleaning composition of matter. 1,685,360; Sept. 25.
- Hoffman, Rudolph, Cleveland, Ohio. Burner. 1,684,585; Sept. 18.
- Hoffman, Simon, executor. (See Schmidt, Wilhelm.)
- Hoffman Specialty Company. (See Simpson, William K., assignor.)
- Hoffman, William M., Roxbury, Mass. Fare register. 1,682,126; Aug. 28.
- Hoffman, William T., La Grange, assignor to Beckman-Dawson Roofing Co., Chicago, Ill. Apparatus for producing roofing elements and product thereof. 1,692,210; Nov. 20.
- Hoffmann, Daniel C. (See Bany, H., and Hoffmann.)
- Hoffmann, Frank, and C. Lamour, Philadelphia, Pa. Scaffold. 1,668,116; May 1.
- Hoffmann, Hans. (See Skaupy, F., Hoffmann, and Schmidt.)
- Hoffmann, Helmut, Grunberg, H. Mark, Berlin-Dahlem, and R. O. Herzog, Berlin-Steglitz, Germany. Nozzle for spinning artificial threads. 1,672,644; June 5.
- Hoffmann, Herbert, Renville, Minn. Grain elevator. 1,657,122; Jan. 24.
- Hoffmann-La Roche Chemical Works, The. (See Blankart, André, assignor.)
- Hoffmann-La Roche Chemical Works, The. (See Karrer, Walter, assignor.)
- Hoffmeister, Halesia D., Los Angeles, Calif. Music chart. 1,666,332; Apr. 17.
- Hofmann, Alfred, Fort Lee, and O. Kanis, assignors to Alfred Hofmann Needle Works, Inc., Union City, N. J. Needle-making machine. 1,696,484; Dec. 25.
- Hofmann, Alfred, Needle Works, Inc. (See Hofmann, A., and Kanis, assignors.)
- Hofmann, Herbert. (See Wanninger, C. K., and Hofmann.)
- Hofmann, Victor E., and L. D. Soubier, assignors to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,665,362; Apr. 10.
- Hofstee, Albert C., The Hague, Netherlands. Apparatus for machining polygonal parts on ordinary lathes. 1,695,763; Dec. 18.
- Hofstetter, Robert, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping machine. 1,667,006; Apr. 24.
- Hogan, Augustine. (See Lilliecrapp, W. J., O'Shea, and Hogan.)
- Hogan, George F., Chicago, Ill. Collar. 1,660,165; Feb. 21.
- Hogan, George F., Chicago, Ill. Envelope. 1,683,584; Sept. 4.
- Hogan, William H., Milwaukee, Wis. Device for delivering register slips. 1,674,044; June 19.
- Hoge, James B., Cleveland, Ohio, and E. E. Clement, assignors to E. F. Colladay, Washington, D. C. Automatic radio switching system. 1,672,568; June 5.
- Hoge, James B., Cleveland, Ohio, and E. E. Clement, assignors to E. F. Colladay, Washington, D. C. Combined radio telephone and power-distributing system. 1,695,171; Dec. 11.
- Hoge, Joseph F. D., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable support. 1,690,297; Nov. 6.
- Hogz, Francis, Pittsburgh, Pa. Signal device. 1,669,055; May 8.
- Hogland, Joseph L., assignor of one-half to H. P. Thomson, Kansas City, Mo. Vehicle body. 1,695,491; Dec. 18.
- Hoglund, Gabriel E., Seattle, Wash. Automatic stop and slow light signal. 1,680,944; Aug. 14.
- Hogoniot, Emil. (See Hocquart, E., and Hogoniot.)
- Hohenzollern Aktiengesellschaft fur Lokomotivbau. (See Lindner, Walther, assignor.)
- Hohl, John, Newark, N. J., assignor to Molded Socket Corporation. Socket construction. 1,658,598; Feb. 7.
- Hohl, John, Newark, N. J., assignor to Molded Socket Corporation. Lamp socket. 1,658,599; Feb. 7.

- Hohl, John, Newark, N. J., assignor to Molded Socket Corporation, Railroad, Pa. Lamp socket. 1,659,951; Feb. 21.
- Hohlt, Hans I., Santo Domingo, Dominican Republic. Current motor. 1,656,485; Jan. 17.
- Hohmeister, Arthur E., assignor to The John Douglas Company, Cincinnati, Ohio. Mixing-valve structure. 1,674,365; June 19.
- Hohnekamp, Max. (See Eckhardt, F., and Hohnekamp.)
- Hohner, M. Inc. (See Newman, David, assignor.)
- Hohnhorst, Ferdinand J., Covington, Ky. Abrading nib for abrading machines. 1,675,804; July 3.
- Hohnhorst, Ferdinand J., and F. J. Kroeger, Covington, Ky. Mechanism for truing and dressing grinding wheels. 1,663,703; Mar. 27.
- Hohorst, William F., Monrovia, Calif. Liquid-level indicator. 1,664,416; Apr. 3.
- Hojnowski, Jakob, Nekoosa, Wis. Combination tie and rail fastening. 1,689,486; Oct. 30.
- Hokanson, Martin, assignor to Marshall-Wells Company, Duluth, Minn. Tool handle. 1,662,610; Mar. 13.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Line lock for typewriters. 1,655,186; Jan. 3.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Stencil holder for typewriters. 1,655,957; Jan. 10.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. 1,657,626; Jan. 31.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Back-spacing mechanism for typewriters. 1,667,007; Apr. 24.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Power operating mechanism for typewriters. 1,685,782; Oct. 2.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Case-shift mechanism. 1,686,325; Oct. 2.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Power-actuating mechanism for typewriters. 1,688,334; Oct. 23.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Work-holding bail for typewriters. 1,689,203; Oct. 30.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. 1,691,063; Nov. 13.
- Hokanson, Otto A., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. 1,695,492; Dec. 18.
- Hoke, Albert L. (See Stevens, Jennie E., assignor.)
- Hoke, Frank, G. H. Rossebo, and E. E. Collison, Indianapolis, Ind. Counter. Des. 75,625; June 26.
- Hoke, William E., Baltimore, Md. Method of and apparatus for wearing in gears. 1,658,899; Feb. 14.
- Hoke, William E., Baltimore, Md. Method and apparatus for grinding. 1,662,672; Mar. 13.
- Holbeach, Mary G., Portsmouth, England. Apparatus for indicating the direction or angle of stream lines in fluids particularly applicable for use in designing counter-propeller devices. 1,685,025; Sept. 18.
- Holborn, Frederick, Hackensack, assignor to De Forest Radio Telephone & Telegraph Co., Jersey City, N. J. Filament. 1,695,687; Dec. 18.
- Holbrook, Henry S., Rugby, England, assignor to General Electric Company. Protective arrangement. 1,667,662; Apr. 24.
- Holbrook, Newton D., Thomaston, Conn. Operating mechanism for timepieces. 1,662,920; Mar. 20.
- Holbrook, Wallace. (See Hartfield, A. J., and Holbrook.)
- Holcomb, Alpheus E., assignor to Koehring Company, Milwaukee, Wis. Multiplane traction device. 1,665,302; Apr. 10.
- Holcomb, Arthur L. (See Tice, Reuben S., assignor.)
- Holcomb, Charles R., Chicago, Ill. Legging. 1,672,981; June 12.
- Holcomb, J. I., Mfg. Company. (See Anderson, Jesse I., assignor.)
- Holcomb, Jarrett C., Sulphur Springs, assignor of one-half to E. F. Cameron, Dallas, Tex. Electric razor. 1,675,805; July 3.
- Holcomb, Russell S., Los Angeles, Calif. Hanging device for screens. 1,695,764; Dec. 18.
- Holcomb, William C., Carrizozo, N. Mex. Ballast towline marker and shoulder cleaner. 1,667,459; Apr. 24.
- Holcomb, Wynne, New York, N. Y. Purse. Des. 76,752; Oct. 30.
- Holcomb, Wynne, New York, N. Y. Purse. Des. 76,753; Oct. 30.
- Holcombe, Jolly R., Columbia, S. C., and F. F. Dunbar, Augusta, Ga., assignors to The Auto Cradle Company, Orangeburg, S. C. Apparatus for tilting automobiles. 1,689,284; Oct. 30.
- Holcombe Textile Equipment Co. (See Lehman, John E., assignor.)
- Holcroft, Charles T., Detroit, and C. E. Doll, Mount Clemens, Mich. Apparatus for firing ceramic and other products. 1,662,063; Mar. 13.
- Holdaway, Hall H., Long Beach, Calif. Welding bearing pins to legs of drill bits. 1,664,833; Apr. 3.
- Holdaway, Hall H., Sawtelle, Calif. Rotary disk drill. 1,665,457; Apr. 10.
- Holdaway, Hall H., Los Angeles, and T. D. Campbell, Pasadena, Calif. Disk bit. 1,673,285; June 12.
- Holdaway, Hall H., Long Beach, Calif. Rotary pipe tongs. 1,696,356; Dec. 25.
- Holdaway, Lorus T., Sawtelle, Calif. Pumping mechanism. 1,654,588; Jan. 3.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Scroll-effect lighting-fixture ornament. Des. 74,220; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Scroll-effect lighting fixture plate. Des. 74,221; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect lighting-fixture panel. Des. 74,222; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect lighting-fixture plate. Des. 74,223; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect lighting-fixture panel. Des. 74,224; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Spanish-effect lighting-fixture ring. Des. 74,225; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Spanish-effect lighting-fixture plate. Des. 74,226; Jan. 10.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect lighting-fixture ornament. Des. 74,508; Feb. 21.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Pierced-effect lighting-fixture panel. Des. 74,509; Feb. 21.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Wall plate for lighting fixtures or similar articles. Des. 74,606; Mar. 6.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Spindle for lighting fixtures or similar articles. Des. 74,607; Mar. 6.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect grille for lighting fixtures or similar articles. Des. 74,975; Apr. 24.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Wall plate for lighting fixtures. Des. 74,976; Apr. 24.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect lighting-fixture banding. Des. 75,030; May 1.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect plate for lighting fixtures or similar articles. Des. 75,246; May 22.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Italian-effect lighting-fixture plate. Des. 75,424; June 5.
- Holdeman, Harry R., assignor to The J. M. Feldman Co., Inc., Los Angeles, Calif. Pierced-effect lighting-fixture plate. Des. 75,497; June 12.
- Holdeman, Harry R., assignor to J. M. Feldman Co., Inc., Los Angeles, Calif. Lantern frame. Des. 76,866; Nov. 13.
- Holden, Arthur P., and P. Morgan, Toronto, Ontario, Canada. Oil burner. 1,660,075; Feb. 21.
- Holden, Arthur P., and P. Morgan, Toronto, Ontario, Canada. Burning oil. 1,666,207; Apr. 17.
- Holden, Benedict M., assignor to The Gramarben Company, Hartford, Conn. Drawer fastener. 1,695,896; Dec. 18.
- Holden, Charles D. (See Strickler, Thomas J., assignor.)
- Holden, Crofton C., assignor to Royal Comb Company, Leominster, Mass. Clasp. 1,675,806; July 3.
- Holden, John A. (See Smith, W. S., Garrett, and Holden.)
- Holden, Joseph B., Canastota, N. Y. Combination floor and ceiling plate. 1,678,388; July 24.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Echo and singing suppressor system. 1,675,412; July 3.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,677,967; July 24.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Alternating potential generator. 1,680,377; Aug. 14.
- Holden, William H. T., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Protective device. 1,680,518; Aug. 14.
- Holden, William H. T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Vacuum tube and associated element. 1,690,167; Nov. 6.
- Holdener, Simon, Wolfhausen, assignor to B. Klenast, Schlossberg, Switzerland. Transmission gear. 1,665,701; Apr. 10.
- Holder, Charles, assignor to Michigan Valve & Foundry Company, Detroit, Mich. Hydrant. 1,682,225; Aug. 28.
- Holder, Will L., Valdosta, Ga. Paddle. 1,661,289; Mar. 6.
- Holderegger, Walter. (See Steinlin, M., and Holderegger.)
- Holderle, Carl L. (See Holderle, Frederick W. and C. L.)
- Holderle, Frederick W. and C. L., Rochester, N. Y. Food container. 1,655,544; Jan. 10.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Motor-driven compressor. 1,657,199; Jan. 24.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor mechanism. 1,662,793; Mar. 13.

- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Portable compressor. 1,668,718; May 8.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Vacuum pump. 1,679,132; July 31.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Cooling system. 1,679,144; July 31.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,682,906; Sept. 4.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,682,907; Sept. 4.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,692,261; Nov. 20.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,692,263; Nov. 20.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,692,266; Nov. 20.
- Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,692,267; Nov. 20.
- Holdsworth, Harry W., assignor to The New Departure Manufacturing Company, Bristol, Conn. Bearing mounting. 1,671,720; May 29.
- Holdsworth, Willie, Providence, R. I. Gill-drawing machine. 1,673,407; June 12.
- Holdsworth, Willie, Providence, R. I. Faller bar for gill-drawing frames. 1,673,408; June 12.
- Hole, Sidney, Albourne, Hassocks, England. Coding and decoding apparatus and code-changing device therefor. 1,684,028; Sept. 11.
- Hole, Willis R., Salem, Ohio. Mail-car device. 1,683,547; Sept. 4.
- Holed-Tite Packing, Inc., et al. (See Koppelman, M., and Mapes, assignors.)
- Hollenstein, Emil, Brooklyn, assignor to Edgar C. Hyman Co., New York, N. Y. Shawl. Des. 74,671; Mar. 13.
- Holeproof Hosiery Co. (See Evans, Humphrey, assignor.)
- Hol-Fast Bedlock Company. (See Howse, Philip M., assignor.)
- Holinger, Emil F., assignor to Chase Appliance Corporation, New York, N. Y. Anticreeping device for railway rails. 1,679,903; Aug. 7.
- Holinger, Emil F., assignor of one-half to E. C. Crowley, New York, N. Y. Electromagnetic sound-reproducing apparatus. 1,690,725; Nov. 6.
- Holinger, Emil F., assignor of one-half to E. C. Crowley, New York, N. Y. Sound-reproducing device. 1,690,726; Nov. 6.
- Holladay, Louis P., Jr. (See Rogers, P. L., and Holladay.)
- Holland, Andrew J., King City, Mo. Attachment for mowers. 1,665,032; Apr. 3.
- Holland, Charlotte M., administratrix. (See Holland, Newman H.)
- Holland, Elmer R., San Francisco, Calif. Golf putter. 1,666,174; Apr. 17.
- Holland Furnace Company. (See Kolla, John P., assignor.)
- Holland Furnace Company. (See Nystrom, Oscar P., assignor.)
- Holland Furnace Company. (See Nystrom, O. P., and Kolla, assignors.)
- Holland Furnace Company. (See Russell, Titus, assignor.)
- Holland, James A., et al. trustees. (See Smith, William J., assignor.)
- Holland-Letz, Ludwig, Crown Point, Ind., assignor to The Letz Manufacturing Company. End-thrust bearing. 1,659,265; Feb. 14.
- Holland, Martin, Laurens, Iowa. Weed-destroying attachment for railway cars. 1,692,739; Nov. 20.
- Holland, Newman H., deceased, Montclair, N. J.; C. M. Holland, administratrix. Phonograph needle. 1,671,426; May 29.
- Holland, Newman H., Montclair, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Electric system. Re16,901; Mar. 13.
- Holland, Newman H., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined radio loud speaker and phonograph. 1,660,996; Feb. 28.
- Holland, Newman H., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,663,885; Mar. 27.
- Holland, Newman H., West Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Adjustable reflector system for recording. 1,675,102; June 26.
- Holland, Newman H., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic diaphragm. 1,689,030; Oct. 23.
- Holland, Newman H., East Orange, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Signaling system or the like. 1,696,544; Dec. 25.
- Holland, Roy E. (See Curle, George L., assignor.)
- Holland, Thomas A., et al. (See Starkweather, George E., assignor.)
- Holland, W. Claude, Beaumont, Tex. Hydrocarbon burner. 1,672,064; June 5.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electric-battery cover and sealing means. 1,673,677; June 12.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Replenishing electrolytic cells. 1,684,276; Sept. 11.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery-reinforcing handle. 1,684,277; Sept. 11.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Battery-filling device. 1,690,066; Oct. 30.
- Holland, Walter E., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Electrolytic rectifier. 1,691,806; Nov. 13.
- Hollander, Aladar, Berkeley, Calif., assignor to Byron Jackson Pump Mfg. Co. Casing for fluid-pressure apparatus. 1,655,546; Jan. 10.
- Hollander, Aladar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Double-casing pump. 1,655,547; Jan. 10.
- Hollander, Aladar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Acid pump. 1,665,458; Apr. 10.
- Hollander, Aladar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Variable-head impeller mechanism. 1,668,018; May 1.
- Hollander, Aladar, assignor to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Vertical-pump mechanism. 1,672,216; June 5.
- Hollander, Aladar, Berkeley, Calif., assignor, by mesne assignments, to Byron Jackson Pump Co. Variable-head centrifugal pump. 1,696,545; Dec. 25.
- Hollander, Aladar, Berkeley, and E. Schurman, San Francisco, assignors to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Hot-oil pump. 1,655,545; Jan. 10.
- Hollander, Aladar, Berkeley, and W. L. Forward, Oakland, assignors to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Pump-packing means. 1,665,459; Apr. 10.
- Hollander, Aladar, Berkeley, and W. L. Forward, Oakland, assignors to Byron Jackson Pump Mfg. Co., Berkeley, Calif. Priming means. 1,665,460; Apr. 10.
- Hollander, Charles S., Philadelphia, Pa., assignor to Rohm & Haas Company. Use of sulphonylates for stripping dyes. 1,696,164; Dec. 18.
- Hollands, John C., assignor to The Griswold Manufacturing Company, Erie, Pa. Electric cooking stove. 1,693,784; Dec. 4.
- Hollar, William H., jr., Drexel Hill, Pa. Envelope. 1,667,258; Apr. 24.
- Hollar, William H., jr., Drexel Hill, and W. G. Uhlman, Philadelphia, Pa. Key envelope. 1,657,123; Jan. 24.
- Hollar, William H., jr., Drexel Hill, and W. G. Uhlman, Philadelphia, Pa. Key envelope. 1,682,755; Sept. 4.
- Holle, Edward E., Arlington, N. J. Machine for slicing cheese. 1,693,605; Dec. 4.
- Hollen, Carl, Bemidji, Minn. Liner and can construction. 1,680,882; Aug. 14.
- Hollen, Frank E., Chippewa Falls, Wis. Separator and plate holder. 1,668,404; May 1.
- Hollenback, George M., Los Angeles, Calif. Paralleling mechanism. 1,683,353; Sept. 4.
- Hollenback, George M., assignor of one-half to D. W. McLean, Los Angeles, Calif. Sterilizer. 1,663,841; Mar. 27.
- Hollenbeck, Oscar D., Racine, Wis. Apparatus for use in rubber factories. 1,680,171; Aug. 7.
- Hollensbe, Ira J. (See Allen, John, assignor.)
- Holler, John R., Ellwood City, Pa. Insulator. 1,664,172; Mar. 27.
- Holler, William E., and W. H. Farr, Flint, Mich. Closure and auxiliary seat back for automobile decks. 1,654,878; Jan. 3.
- Hollerbach, John, et al. (See Bender, Frank J., assignor.)
- Holley, Clarence M., Highland Park, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Check valve. 1,672,127; June 5.
- Holley, Clarence M., Highland Park, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Expansion valve. 1,676,031; July 3.
- Holley, Earl. (See Dostal, Joseph L., assignor.)
- Holley, Earl. (See Hess, Arthur J., assignor.)
- Holley, Earl. (See Udale, Stanley M., assignor.)
- Holley, George M. (See Welch, George R., assignor.)
- Holley, George M., Detroit, Mich. Carburetor. 1,671,288; May 29.
- Holley, George M., Detroit, Mich. Vaporizing device. 1,681,937; Aug. 28.
- Holley, Marion S., Enterprise, Kans. Self-locking chicken coop. 1,668,855; Apr. 17.
- Holley, William G., assignor to The Krein Chain Company, Wapakoneta, Ohio. Double-locking connecting link. 1,668,528; May 1.
- Holliday, J. Margaret, administratrix. (See Loughridge, M. H., and Holliday.)
- Holliday, James B. (See McMinn, C. R., Holliday, and Robinson.)
- Holliday, John S., deceased. (See Loughridge, M. H., and Holliday.)
- Holliday Life Saving Headlight Co. (See Holliday, Thomas C., assignor.)
- Holliday, Thomas C., Canton, assignor to Holliday Life Saving Headlight Co., Jackson, Miss. Tilttable and dirigible headlight. 1,666,856; Apr. 17.

- Hollinderbäumer, Wilhelm. (See Weichel, O., and Hollinderbäumer.)
- Hollingsworth, William, Baltimore, Md. Conveyer. 1,656,114; Jan. 10.
- Hollingsworth, Edward, Dobeross, England, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms for weaving. 1,689,723; Oct. 30.
- Hollingsworth, Edward, Dobeross, England, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Regulating the tension of warps in looms for weaving. 1,695,376; Dec. 18.
- Hollingsworth, Reginald A., Beeston, England, assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 77,003; Nov. 27.
- Hollingsworth, Reginald A., Beeston, England, assignor to American Textile Company, Inc., Pawtucket, R. I. Lace. Des. 77,004; Nov. 27.
- Hollis, Joseph, Canton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Trolley mechanism. 1,691,973; Nov. 20.
- Hollis, Otis A., Knoxville Borough, Pa. Erecting forms and apparatus for casting concrete walls. 1,664,884; Apr. 3.
- Hollis, Robert H., Kamloops, British Columbia, Canada. Tongue and neck-yoke coupling. 1,695,731; Dec. 18.
- Hollister, Edward E., assignor to Hollister-Whitney Company, Quincy, Ill. Safety device for automobile lifts. 1,691,807; Nov. 13.
- Hollister-Whitney Company. (See Hollister, Edward E., assignor.)
- Hollister, William C., and L. M. Chapman, assignors to Chicago Lino-Tabler Company, Chicago, Ill. Producing vertically-ruled printing forms. 1,682,514; Aug. 28.
- Hollister, William C., and L. M. Chapman, assignors to Chicago Lino-Tabler Company, Chicago, Ill. Broach. 1,682,515; Aug. 28.
- Holman, Charles, Fort Wayne, Ind. Tube-winding machine. 1,682,045; Aug. 28.
- Hollnagel, Herbert P., Swampscott, Mass., assignor to General Electric Company. Combined resistor and fuse. 1,696,605; Dec. 25.
- Hollnagel, Theodore C., Milwaukee, Wis., assignor, by mesne assignments, to The Hughes-Keenan Company, Mansfield, Ohio. Truck. 1,684,673; Sept. 18.
- Holloway, John J. (See Howe, L. S., and Holloway.)
- Hollowell, Everett, Kansas City, Kans. Piston kicker. 1,666,286; Apr. 17.
- Hollstein, Fritz, Hawthorne, N. J., assignor to J. Grossgebauer, Paterson, N. J. Reed for looms. 1,688,495; Oct. 23.
- Hollstein, Paul G., Carlstadt, N. J., and E. V. Raue, assignors to J. M. Lehmann Company, Inc., New York, N. Y. Chocolate machine. 1,658,379; Feb. 7.
- Hollup, C. H., Corporation. (See Pennington, H. R., and Hollup, assignors.)
- Hollup, Charles H. (See Pennington, H. R., and Hollup.)
- Hollweck & Bauer. (See Brandt, Francis J., assignor.)
- Hollywood Building Supply Co. (See Parker, Henry C., assignor.)
- Holm, Anton. (See Richardson, H., and Holm.)
- Holm, Axel M., and C. C. Russ, Moline, Ill. Jar sealer. 1,671,585; May 29.
- Holm, Erling T., Billingstad, near Oslo, Norway. Stone-dressing tool. 1,687,093; Oct. 9.
- Holm, Karl A. B. (See Eskilson, S. A., and Holm.)
- Holm, Olof, St. Paul, Minn. Lifting tool for kitchen utensils. 1,655,605; Jan. 10.
- Holm, Sigurd, West Allis, Wis., assignor to The Badger Rubber Works, Tire. Des. 76,867; Nov. 13.
- Holman, Arthur J., Boston, Mass. Angular-velocity stabilizer for rotatable gear-driven shafts. 1,686,857; Oct. 9.
- Holman, Arthur T. (See Holman, John L. and A. T.)
- Holman, Arthur T., and P. M. Camborne, assignors to Holman Brothers Limited, Camborne, Cornwall, England. Rock drill and like tool. 1,666,383; Apr. 17.
- Holman Brothers Limited. (See Holman, Arthur T. and P. M., assignors.)
- Holman Brothers Limited. (See Holman, John L. and A. T., assignors.)
- Holman, John L. and A. T., assignors to Holman Brothers Limited, Camborne, England. Valve mechanism for fluid-operated rock drills. 1,676,950; July 10.
- Holman, Leslie A., Waltham, Mass. Heel-lift-depositing mechanism. 1,689,487; Oct. 30.
- Holman, Percy M. (See Holman, Arthur T. and P. M.)
- Holman, Rudolph, assignor to The Vortex Mfg. Co., Chicago, Ill. Cup-blank-punching machine. 1,669,164; May 8.
- Holmberg, Anders, assignor to H. G. Torulf, Stockholm, Sweden. Apparatus for sintering fine ores or pulverulent ores. 1,656,115; Jan. 10.
- Holmberg, Anders, assignor to H. G. Torulf, Stockholm, Sweden. Igniting apparatus for sintering pans. 1,662,513; Mar. 13.
- Holmdahl, Monville, Vallejo, Calif. Signal panel for automotive-vehicle signal device. Des. 76,868; Nov. 13.
- Holmes, Alfred E., assignor to Alexander H. Revell & Co., Chicago, Ill. Roll supporting and display rack. 1,658,794; Feb. 14.
- Holmes, Arthur, Newark, N. J., assignor to The Holmes Automobile Company, Canton, Ohio. Oil thermometer. 1,678,389; July 24.
- Holmes, Arthur W. (See Coats, H. B., Jaques, and Holmes.)
- Holmes, Arthur W., Veedersburg, D. E. Jaques, Thorntown, and H. B. Coats, Veedersburg, Ind. Dispensing device. 1,691,192; Nov. 13.
- Holmes, Arthur W., Veedersburg, D. E. Jaques, Thorntown, and H. B. Coats, Veedersburg, Ind. Portable cleaner. 1,691,193; Nov. 13.
- Holmes Automobile Company, The. (See Holmes, Arthur, assignor.)
- Holmes Disappearing Bed Company. (See Ellsworth, Ross J., assignor.)
- Holmes, Dyer B., Los Angeles, Calif. Maturation of fruit. 1,678,046; July 24.
- Holmes, Edward C., Cincinnati, Ohio. Molding machine. 1,664,559; Apr. 3.
- Holmes, Edward C., Cincinnati, Ohio. Carriage for drilling mechanism. 1,695,493; Dec. 18.
- Holmes, Edward L., assignor to Holmes Navigating Apparatus Co., Inc., New York, N. Y. Alternating-current relay. 1,663,551; Mar. 27.
- Holmes, Edward L., assignor to Holmes Navigating Apparatus Co., Inc., New York, N. Y. Electrolytic rheostat. 1,663,552; Mar. 27.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle-driving mechanism for narrow-ware looms. 1,668,150; May 1.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spring friction clutch. 1,674,009; June 19.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spacing device for loom dobby fingers. 1,674,010; June 10.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Adjustable loom reed. 1,683,187; Sept. 4.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jacquard indicator for looms. 1,691,154; Nov. 13.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box-controlling mechanism for Jacquard looms. 1,692,988; Nov. 27.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Chain element for pattern mechanism. 1,692,989; Nov. 27.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness-leveling mechanism for looms. 1,692,990; Nov. 27.
- Holmes Electric Protective Company. (See Roe, William C., assignor.)
- Holmes, Ernest, Company. (See Holmes, Ernest W., assignor.)
- Holmes, Ernest W., assignor to Ernest Holmes Company, Chattanooga, Tenn. Wrecking crane. 1,657,674; Jan. 31.
- Holmes, Frank G., assignor to Lenox, Inc., Trenton, N. J. Plate or similar article. Des. 74,567; Feb. 23.
- Holmes, Frank G., assignor to Lenox, Inc., Trenton, N. J. Plate or similar article. Des. 74,672; Mar. 13.
- Holmes, Franklin T., Springfield, assignor to Tryco Products, Inc., Westfield, Mass. Temperature-controlled relief valve. 1,676,650; July 10.
- Holmes, Frederick M., Springfield, assignor to Tryco Products, Inc., Westfield, Mass. Strainer. 1,679,033; July 31.
- Holmes, Frederick M., Springfield, assignor to Tryco Products, Inc., Westfield, Mass. Temperature and pressure relief valve. 1,687,209; Oct. 9.
- Holmes, George A., Newton, assignor to United States Fastener Company, South Boston, Mass. Fastener. 1,669,415; May 15.
- Holmes, George E., Dover, N. H. Printing machine. 1,688,967; Oct. 23.
- Holmes, George E., and F. W. Grant, Dover, N. H. Ice-cream disher. 1,657,470; Jan. 31.
- Holmes, Glenn E., assignor to Mexican-American Hat Company, St. Louis, Mo. Hat. 1,672,217; June 5.
- Holmes, Grant, Danville, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio. Truck. 1,692,121; Nov. 20.
- Holmes, Harold H., and A. F. Espersen, La Crosse, Wis. Oil burner. 1,682,615; Aug. 28.
- Holmes, Harry C., Manor, Pa. Water heater. 1,654,935; Jan. 3.
- Holmes, Harry N., and J. A. Anderson, Oberlin, Ohio. Silica gels and making the same. 1,665,264; Apr. 10.
- Holmes, Harry W., and E. B. Phillips, assignors to Phillips and Davies, Kenton, Ohio. Sluice gate. 1,663,406; Mar. 20.
- Holmes, Henry H. (See Wildt, E., and Holmes.)
- Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Electric welding apparatus. 1,656,274; Jan. 17.
- Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Welding tubes to plates or cylinders. 1,665,461; Apr. 10.
- Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Controlling electric machines. 1,671,641; May 29.
- Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Wheel nave and the like and forming it. 1,675,706; July 3.
- Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Making hubs and the like. 1,688,421; Oct. 23.

- Holmes, James T., Jamaica, assignor to The Frink Company, Inc., New York, N. Y. Lamp fixture. 1,686,663; Oct. 9.
- Holmes, Minot K., assignor to The Hemingray Glass Company, Muncie, Ind. Mechanical movement. 1,678,942; July 31.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,786; Mar. 13.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,662,787; Mar. 13.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,788; Mar. 13.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,789; Mar. 13.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,794; Mar. 13.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,824; Mar. 20.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,825; Mar. 20.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,662,826; Mar. 20.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,664,384; Mar. 27.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,664,385; Mar. 27.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,664,386; Mar. 27.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling tool. 1,667,156; Apr. 24.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,670,152; May 15.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,670,153; May 15.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Clutch mechanism for mining-machine trucks. 1,670,154; May 15.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,670,155; May 15.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Centrifugal cleaner. 1,678,338; July 24.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 1,679,135; July 31.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,685,403; Sept. 25.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Corporation. Hoisting mechanism. 1,686,971; Oct. 9.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 1,689,139; Oct. 23.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,689,586; Oct. 30.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure-fluid motor. 1,689,587; Oct. 30.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling tool. 1,690,085; Oct. 30.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,692,260; Nov. 20.
- Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,694,780; Dec. 11.
- Holmes Navigating Apparatus Co. (See Holmes, Edward L., assignor.)
- Holmes, Pedro, Kansas City, Kans. Mowing machine. 1,676,088; July 3.
- Holmes, Robert E. L., assignor to Westco-Chippewa Pump Company, Davenport, Ia. Rotary-pump casing. 1,682,756; Sept. 4.
- Holmes, Robert H., Chicago, Ill. Snap fastener. 1,665,096; Apr. 3.
- Holmes, Theodore, et al. (See Randall, Frank E., assignor.)
- Holmes, Thomas E., Glasgow, Scotland. Three-high plate-rolling mill. 1,657,397; Jan. 24.
- Holmes, Thomas E., Glasgow, Scotland. Rolling mill. 1,694,854; Dec. 11.
- Holmes, W. C., and Company. (See Cooper, C., and Henshaw, assignors.)
- Holmes, Walter C. (See French, R. W., and Holmes.)
- Holmes, William H., Mount Vernon, N. Y. Index device. 1,657,471; Jan. 31.
- Holmes, William H., Mount Vernon, N. Y. Self-teaching device. 1,678,621; July 24.
- Holmes, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,658,987; Feb. 14.
- Holmgreen, Julius H., San Antonio, Tex. Guy-wire anchor. 1,659,527; Feb. 14.
- Holmgreen, Julius H. and R. J., assignors to Alamo Iron Works, San Antonio, Tex. Rotary well-drilling machine. 1,679,825; Aug. 7.
- Holmgreen, Richard J. (See Holmgreen, Julius H. and R. J.)
- Holmgren, Eric A. (See Sabin, E. E., and Holmgren.)
- Holmgren, Eric A., East Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on footwear. 1,691,287; Nov. 13.
- Holmgren, Torsten A. F., Stockholm, Sweden. Resistance material. 1,658,334; Feb. 7.
- Holmquist, Oscar V., St. James, Minn. Measuring apparatus. 1,663,598; Mar. 27.
- Holophane Company. (See Berry, Percy W., assignor.)
- Holophane Company. (See Dorey, William A., assignor.)
- Holophane Company. (See Dorey, W. A., and Ingler, assignors.)
- Holophane Company. (See Ingler, William A., assignor.)
- Holorib, Inc. (See Loucks, James F., assignor.)
- Holsclaw, Harry E. (See Holsclaw, Walter E. and H. E.)
- Holsclaw, Walter E. and H. E., Evansville, Ind. Pipe and tube bender. 1,687,210; Oct. 9.
- Holst, Gilles, Eindhoven, Netherlands, assignor to General Electric Company. Incandescent electric lamp. 1,655,502; Jan. 10.
- Holst, Gilles, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrode for discharge tubes. 1,681,149; Aug. 14.
- Holst, Gilles, E. Oosterhuis, and J. Bruijnes, assignors to Naamloze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric gas-filled glow-discharge device. 1,675,350; July 3.
- Holst, John C., assignor of one-half to L. F. Wiese, Evely, Iowa. Drag cart. 1,655,606; Jan. 10.
- Holstein, Charles W., assignor to The Monarch-Welder Machine Company, Warren, Ohio. Electric-welding-machine attachment. 1,664,173; Mar. 27.
- Holt, Charles A. (See Smith, Benjamin F., assignor.)
- Holt, Charles K., Taft, Calif. Swivel hook. 1,657,260; Jan. 24.
- Holt, Donald, Chicago, Ill. Lighting fixtures and the like. 1,689,488; Oct. 30.
- Holt, Donald, Chicago, Ill. Lighting fixture and the like. 1,693,443; Nov. 27.
- Holt, Donald, Chicago, Ill. Lighting fixture and the like. 1,693,925; Dec. 4.
- Holt, Geoffrey, Los Angeles, Calif. Table. Des. 75,730; July 10.
- Holt, Geoffrey, Los Angeles, Calif. Buffet. Des. 75,731; July 10.
- Holt, Harris B., assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa. Furnace grate. 1,672,413; June 5.
- Holt, John W., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Vehicle wheel structure. 1,685,130; Sept. 25.
- Holt, Joseph H., assignor to Darco Corporation, Wilmington, Del. Revivifying furnace. 1,685,745; Sept. 25.
- Holt, Klare M., Lynn, Mass., assignor to General Electric Company. Power installation. 1,670,070; May 15.
- Holt, Robert C. (See Stafford, W., and Holt.)
- Holt, Thomas W., Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Sash latch. 1,659,655; Feb. 21.
- Holt, William L., Scarboro, Me. Milk cooler. 1,681,539; Aug. 21.
- Holte, Halvor, administrator. (See Holte, Harold O.)
- Holte, Harold O., deceased, Pittsburgh, Pa.; H. Holte, administrator, Crookston, Minn.; H. O. Holte, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,660,197; Feb. 21.
- Holte, Harold O., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,675,553; July 3.
- Holthaus, Johann, Gelsenkirchen, Germany, assignor, by mesne assignments, to Centrifugal Pipe Corporation. Process of and apparatus for centrifugal casting. 1,678,641; July 31.
- Holtmann, August. (See Freiburger, M., and Holtmann.)
- Holtan, George E., assignor to Hincley-Myers Company, Jackson, Mich. Piston and connecting rod testing and aligning machine. 1,684,321; Sept. 11.
- Holtsemit, Friedrich, Berlin, Germany. Driving mechanism for hoists, moving staircases, and the like. 1,670,661; May 22.
- Holtsclaw, Oren E., assignor of one-half to G. I. Sellers & Sons Company, Elwood, Ind. Holder for electric fuses. 1,665,169; Apr. 3.
- Holtz, Abraham, Bronx, assignor to Sadinoff & Wendroff Inc., New York, N. Y. Trimming and making same. 1,664,980; Apr. 3.
- Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Maximum-demand meter. 1,654,730; Jan. 3.
- Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Clock. 1,659,027; Feb. 14.
- Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Electric clock. 1,659,028; Feb. 14.

- Holtzman, John, assignor of one-half to B. Roman, New York, N. Y. Device for preventing theft or unauthorized use of automobiles. 1,688,496; Oct. 23.
- Holtzmann, E., & Cie. A.-Ges. (See Winkler, Xaver, assignor.)
- Holveck, Joseph E., Pittsburgh, Pa. Hydraulic system. 1,682,569; Aug. 28.
- Holveck, Joseph E., Pittsburgh, Pa. Pump. 1,682,570; Aug. 28.
- Holveck, Fernand, Paris, France. Thermionic apparatus. 1,660,381; Feb. 28.
- Holveck, Fernand, Paris, France. Thermionic apparatus. 1,666,450; Apr. 17.
- Holyfield, John H., Kansas City, Kans. Hose clamp. 1,691,288; Nov. 13.
- Holyoke Heater Company. (See Sinclair, Peter S., assignor.)
- Holyoke Silk Hosiery Company. (See Bacon, F., and Troop, assignors.)
- Holz, Thomas C., and E. L. Pegg, Long Beach, Calif. Water filter. 1,674,203; June 19.
- Holzach, Karl, Ludwigshafen-on-the-Rhine, and R. Metzger, Heidelberg, Germany, assignors to Grasselli Dye-stuff Corporation, New York, N. Y. Manufacture of azo dyestuffs. 1,690,900; Nov. 6.
- Holzappel, Eduard. (See Braunsdorf, O., Holzappel, and Nawinsky.)
- Holzappel, John A., Jackson, Mich. Anchor-rope pulley. 1,674,436; June 19.
- Holzappel, Karl W., Larned, Kans. Metal candy-molding device. 1,680,294; Aug. 14.
- Holzer, Eugene J., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily. Des. 74,371; Feb. 7.
- Holzmann, William L., North Freedom, Wis. Egg candler. 1,663,704; Mar. 27.
- Holzverkohlungs-Industrie Aktiengesellschaft. (See Krause, Erich, assignor.)
- Holzverkohlungs-Industrie Aktien-Gesellschaft. (See Krause, E., and Roka, assignors.)
- Holzverkohlungs-Industrie A. G. (See Roka, Koloman, assignor.)
- Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
- Holzwarth, Hans, Mulheim, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Gas turbine. 1,672,529; June 5.
- Homan, Clayton H., Cleveland, Ohio, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Hoist. 1,684,988; Sept. 18.
- Homan, Louis J., jr., Cincinnati, Ohio. Foot gauge. 1,667,802; May 1.
- Homans, William P., Canton, assignor to Alsatian Machine Works, Limited, Boston, Mass. Bearing for top-detaching rolls. 1,685,218; Sept. 25.
- Homborg, Felix, Barmen, Germany, assignor to American Nuplex Corporation, New York, N. Y. Molding albumen-containing masses. 1,678,117; July 24.
- Hombrecher, Albert, Barmen-Langerfeld, Germany. Spool carrier for plaiting, knot-work, bobbin, and lace-making machines. 1,665,783; Apr. 10.
- Home, Clayton R., Enid, Okla. Desk pad. 1,679,423; Aug. 7.
- Home Comfort Heater Company. (See Wenz, Joseph M., assignor.)
- Home Service, Inc. (See Sammis, Norman L., assignor.)
- Home Utilities Corporation. (See Long, Timothy F., assignor.)
- Homeland Mfg. Co., The. (See Matthai, John C., assignor.)
- Homerberg, Victor O., Belmont, Mass., and D. N. Shaw, Philadelphia, Pa. Treating copper alloys and improved product. 1,680,045; Aug. 7.
- Homerberg, Victor O., Cambridge, Mass., and D. N. Shaw, Akron, Ohio. Treating copper alloys and improved product. 1,680,046; Aug. 7.
- Hommel, Leon, Oakland, Calif. Machine for making metal fasteners and the like. 1,659,266; Feb. 14.
- Homrighous, John H., Oak Park, assignor, by mesne assignments to Automatic Electric Inc., Chicago, Ill. Impulse-transmitting device. 1,677,091; July 10.
- Homrighous, John H., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone trunking system. 1,681,039; Aug. 14.
- Honaman, Richard K., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Carrier transmission over power circuits. 1,672,940; June 12.
- Honaman, Richard K., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,684,445; Sept. 18.
- Honaman, Richard K., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Multiwinding discharge balance coil. 1,685,161; Sept. 25.
- Hondeville, August I., Lemoore, and W. J. Ross, Hanford, Calif. Garment stretcher for laundry work. 1,667,971; May 1.
- Honegger, Emil, and F. L. Murray, Martinez, Calif. Inflatable buoy. 1,655,548; Jan. 10.
- Honey, George, Canuck, Saskatchewan, Canada. Belt-lacing tool. 1,683,826; Sept. 11.
- Honey-Butter Company. (See Burton, E. F., and Montgomery, assignors.)
- Honeycutt, Alba C., Wichita, Kans. Magneto plug. 1,672,158; June 5.
- Honeywell Heating Specialties Company, The. (See Shivers, Paul F., assignor.)
- Honigmann, Ludwig, Bad Tolz, and F. Bartling, Munich, Germany. Ring oven with revolving hearth. 1,666,656; Apr. 17.
- Honigmann, Ludwig, Bad Tolz, and F. Bartling, Munich, Germany. Revolving-ring oven. 1,687,563; Oct. 16.
- Höning, Hans, Sonneberg, Germany. Toy figure imitating natural walking motions. 1,657,798; Jan. 31.
- Honohan, Herbert L., assignor to W. D. Honohan, Chicago, Ill. Automobile alarm. 1,685,073; Sept. 18.
- Honohan, William D. (See Honohan, Herbert L., assignor.)
- Honschopp, Alfred B., Cincinnati, Ohio. Toilet-paper holder. 1,693,338; Nov. 27.
- Honstain, Vernon G., and A. Smithson, Minneapolis, Minn. Grinding-machine attachment. 1,633,354; Sept. 4.
- Hook, Lizzie, Colony, Okla. Reel. 1,696,681; Dec. 25.
- Hood, Frank E. and J. E., and A. G. Morrison, San Francisco, Calif. Window valance. 1,690,298; Nov. 6.
- Hood, Frank R., Stockton, Calif. Grader. 1,690,977; Nov. 6.
- Hood, James F. (See Mountford, Stanley F. and H. S., assignors.)
- Hood, Janet E. (See Hood, Frank E. and J. E., and Morrison.)
- Hood, John W., Salem, Va. Rail fastener. 1,669,754; May 15.
- Hood, Luther H., and J. J. Culwell, Houston, Tex. Window-sash holder. 1,680,786; Aug. 14.
- Hood, Ralph O., Danvers, Mass., assignor, by mesne assignments, to The M. & H. Mfg. Co., Waterbury, Conn. Acoustic signaling device. 1,669,827; May 15.
- Hood Rubber Company. (See Ashton, William S., assignor.)
- Hood Rubber Company. (See Ellis, H. G., and Mathis, assignors.)
- Hood Rubber Company. (See Glidden, A. A., Ellis, and Davis, assignors.)
- Hood Rubber Company. (See Glidden, A. A., and Knowland, assignors.)
- Hood Rubber Company. (See Glidden, A. A., Knowland, and Rich, assignors.)
- Hood Rubber Company. (See Glidden, A. A., and McKenzie, assignors.)
- Hood Rubber Company. (See Hands, Howard A., assignor.)
- Hood Rubber Company. (See Perrault, Joseph E., assignor.)
- Hood Rubber Company. (See Schroeder, Louis J., assignor.)
- Hood Rubber Company. (See Soderlund, Carl, assignor.)
- Hood Rubber Company. (See Wydom, Herbert H., assignor.)
- Hooper, Charles F., Chicago, Ill. Lubricating device. 1,669,615; May 15.
- Hook, Arley U., New Washington, Ohio. Thermoelectric switch. 1,695,103; Dec. 11.
- Hook, Harry J., Chester, Pa., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft-replenishing looms. 1,689,724; Oct. 30.
- Hook, Henry C., Windsor, Vt., assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Blank-feeding mechanism. 1,672,259; June 5.
- Hook, Henry C., assignor to International Fuel Service Corporation, Bridgeport, Conn. Undergrate draft blower. 1,690,112; Nov. 6.
- Hook, Leonard T., Seattle, Wash. Means adapting electric flash lights for testing electric circuits. 1,668,847; May 8.
- Hooker, Arthur L., Wellington, Kans. Spare-tire carrier. 1,679,422; Aug. 7.
- Hooker, Duncan C., Farmington, Conn. Device for cleaning firearms. 1,665,961; Apr. 10.
- Hooker, Duncan C., Farmington, Conn. Refrigerating cabinet. 1,667,114; Apr. 24.
- Hooker Electrochemical Company. (See Lyon, Charles E., assignor.)
- Hooker, James E., Coral Gables, Fla. Shingle. 1,696,120; Dec. 18.
- Hookless Fastener Company. (See Aronson, Peter A., assignor.)
- Hookless Fastener Company. (See Sundback, Gideon, assignor.)
- Hooley, John W., Larchmont, N. Y. Panel cabinet for electrical connections. 1,659,267; Feb. 14.
- Hooley, John W., Larchmont, N. Y. Joint for screwless pipes or conduits. 1,659,268; Feb. 14.
- Hooley, John W., Larchmont, N. Y. Electric switchboard and template structure. 1,671,824; May 29.
- Hooper, Bert L., Lincoln, Nebr. Casting apparatus. 1,688,928; Oct. 23.
- Hooper, Earl R., assignor of one-half to C. A. Nichols, Douglas, Ariz. Curtain holder for curtain stretchers. 1,671,075; May 22.
- Hooper, F. X., Company. (See Carr, Aloysius J., assignor.)
- Hooper, Forest, Hamilton, Ontario, Canada. Quick-acting wrench. 1,655,865; Jan. 10.
- Hooper, James P., Ruxton, assignor to William E. Hooper & Sons Company, Baltimore, Md. Package. 1,684,540; Sept. 18.
- Hooper, Rebecca E., Half Moon Bay, Calif. Pad holder and ruler. 1,679,084; July 31.
- Hooper, William E., & Sons Company. (See Griffith, Edwin H., assignor.)
- Hooper, William E., & Sons Company. (See Hooper, James P., assignor.)

- Hoopes, Penrose R., Hartford, Conn., assignor to Essex Rubber Company, Trenton, N. J. Trimming machine. 1,695,688; Dec. 18.
- Hoopes, Washington I., jr., Brawley, Calif. Retaining device for doors. 1,664,174; Mar. 27.
- Hoopman, Aldus A., Seattle, Wash. Topical medicine. 1,676,554; July 10.
- Hooppaw Manufacturing Company. (See Hooppaw, O. W., and Rinehart, assignors.)
- Hooppaw, Oscar W., and C. A. Rinehart, assignors to Hooppaw Manufacturing Company, St. Louis, Mo. Door fastener. 1,671,289; May 29.
- Hoos, Bernard J., Baltimore, Md. Ash tray. 1,667,663; Apr. 24.
- Hoos, Nannie T. (See Mohler, Valentin J., assignor.)
- Hoosier Manufacturing Company, The. (See Hall, Harry A., assignor.)
- Hooton, Gordon B., Grand Rapids, Mich. Spring snubber for automobiles. 1,690,113; Nov. 6.
- Hoover Company, The. (See Holley, Clarence M., assignor.)
- Hoover Company, The. (See Hoover, Howard E., assignor.)
- Hoover Company, The. (See Lucke, Charles E., assignor.)
- Hoover Company, The. (See Smellie, Donald G., assignor.)
- Hoover Company, The. (See White, Harry B., assignor.)
- Hoover, Edgar B., Spokane, Wash. Tying device. 1,666,623; Apr. 17.
- Hoover, Howard E., Glencoe, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction cleaner. Re16,893; Mar. 6.
- Hope, Frederick T., assignor to Dental Cleanser Company, Seattle, Wash. Teeth-cleaning device. 1,682,178; Aug. 28.
- Hope, Henry, & Sons Limited. (See Garratt, Hector H., assignor.)
- Hope, Henry, and Sons, Limited. (See Hope, Ralph W., assignor.)
- Hope, Henry & Sons, Ltd. (See Sternberg, Francis G., assignor.)
- Hope, James L., assignor to Ding's Magnetic Separator Company, Milwaukee, Wis. Process of and apparatus for separating substances. 1,693,033; Nov. 27.
- Hope, John F. and J. T. Kansas City, Mo. Apparatus for drying wood. 1,684,627; Sept. 18.
- Hope, John T. (See Hope, John F. and J. T.)
- Hope, Ralph W., Edgbaston, Birmingham, assignor to Henry Hope and Sons, Limited, Birmingham, England. Hinge for casement windows. 1,688,235; Oct. 16.
- Hope, Vernon, Macclesfield, England. Electric fuse or cut-out. 1,679,971; Aug. 7.
- Hope, Vernon, Macclesfield, England. Electric fuse. 1,692,445; Nov. 20.
- Hope Webbing Company. (See Horton, Charles A., assignor.)
- Hopewell, Samuel H., Ensley, Ala. Goggles. 1,677,089; July 10.
- Hopt, Wilhelm, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Water-tube boiler. 1,665,664; Apr. 10.
- Hopfelt, Robert, Hamburg, assignor to the firm Metalisator Berlin Aktien-Gesellschaft, Berlin-Neukolln, Germany. Preventing scorification of fire bars, grate surfaces, and the like. 1,663,944; Mar. 27.
- Hopfenbeck, Clarence E. (See Babbitt, T. C., and Hopfenbeck.)
- Hopkins, Archibald E., Middletown, N. Y., assignor to Paul F. Beich Company, Bloomington, Ill. Article-wrapping machinery. 1,659,143; Feb. 14.
- Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Clamp. 1,658,988; Feb. 14.
- Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,665,363; Apr. 10.
- Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Lifting jack. 1,672,260; June 5.
- Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Lifting jack. 1,674,396; June 19.
- Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Lifting jack. 1,674,397; June 19.
- Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Lifting jack. 1,678,469; July 24.
- Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,684,180; Sept. 11.
- Hopkins, Arthur C., assignor to National-Standard Company, Niles, Mich. Lifting jack. 1,684,181; Sept. 11.
- Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Making tire-bead-reinforcing elements. 1,686,155; Oct. 2.
- Hopkins, Arthur T. (See Pierini, A., Hopkins, and Haven.)
- Hopkins, Augusta D., New Orleans, La. Grater. 1,677,448; July 17.
- Hopkins, Charles Y., Bordesley Green, Birmingham, England. Emergency-bolt-operating means. 1,691,655; Nov. 13.
- Hopkins, Earnest R., Kansas City, Mo. Weather strip. 1,683,355; Sept. 4.
- Hopkins, Edwin, New York, N. Y. Phonodyne. 1,684,129; Sept. 11.
- Hopkins, Ethan C. (See Sterling, R. E., Bockhoff, and Hopkins.)
- Hopkins, Frank H., Somerville, Mass., assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y. Compound relief valve. 1,660,382; Feb. 28.
- Hopkins, George F., deceased, Jackson, Mich.; W. K. Sagendorph, executor. Engine-cylinder construction. 1,656,149; Jan. 10.
- Hopkins, George F., deceased, Jackson, Mich.; W. K. Sagendorph, executor. Chuck jaws. 1,696,765; Dec. 25.
- Hopkins, Horace H. (See Burke, C. E., and Hopkins, assignors.)
- Hopkins, James E., Denver, Colo. Apparatus and method for recovering precious metals. 1,678,142; July 24.
- Hopkins, James L., St. Louis, Mo. Vent-forming holder for cans. 1,658,165; Feb. 7.
- Hopkins, Jesse, Denver, Colo. Automobile friction brake. 1,693,444; Nov. 27.
- Hopkins, Marlon B., Elizabeth, and H. E. Buc, Roselle, N. J., assignors to Standard Oil Development Company. Cellulose-nitrate solution. 1,694,097; Dec. 4.
- Hopkins, Nevil M., New York, N. Y., assignor, by mesne assignments, to Gilmont Products Corporation. Apparatus and method for filling collapsible tubes. 1,676,734; July 10.
- Hopkins, Oscar C., Enaville, Idaho. Geared locomotive. 1,670,624; May 22.
- Hopkins, Richard M., Rutherford, assignor to American District Telegraph Company, Jersey City, N. J. Detector apparatus. 1,668,369; May 1.
- Hopkins, Robert C., Alliance, Ohio. Oil burner. 1,675,103; June 26.
- Hopkins, Robert C., Alliance, Ohio. Oil separator. 1,682,757; Sept. 4.
- Hopkins, Robert C., Alliance, Ohio. Recuperator. 1,683,577; Sept. 4.
- Hopkins, Robert C., Alliance, Ohio. Oil mill. 1,690,168; Nov. 6.
- Hopkins, William R., St. Louis, Mo. Collapsible metal awning. 1,666,657; Apr. 17.
- Hopkins, William W. (See McMurtrie, John F., assignor.)
- Hopkinson, Ernest, New York, N. Y. Bonding together surfaces with rubber compositions. 1,657,472; Jan. 31.
- Hopkinson, Ernest, New York, N. Y. Sheet material. 1,660,924; Feb. 28.
- Hopkinson, Ernest, New York, N. Y. Paving material and laying the same. 1,661,828; Mar. 6.
- Hopkinson, Ernest, New York, and W. A. Gibbons, Little Neck, N. Y., assignors to Revere Rubber Company, Chelsea, Mass. Employing water solution of rubber and articles so produced. Re16,873; Feb. 7.
- Hopkinson, Ernest, New York, and W. A. Gibbons, Little Neck, N. Y., assignors to Revere Rubber Company, Chelsea, Mass. Treating water emulsions of rubber and products thus produced. Re16,874; Feb. 7.
- Hopkinson, Joseph, assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,657,083; Jan. 24.
- Hopkinson, Joseph, assignor to Dayton Scale Company, Dayton, Ohio. Weighing method. 1,663,129; Mar. 20.
- Hopkinson, Joseph, assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,680,683; Aug. 14.
- Hopkinson, Joseph, assignor to Dayton Scale Company, Dayton, Ohio. Meat clamp. 1,684,223; Sept. 11.
- Hopkinson, Russell, New York, N. Y., assignor to The Goodyear's India Rubber Glove Mfg. Co., Naugatuck, Conn. Inflatable vulcanized article. 1,671,642; May 29.
- Hopkinson, Russell, assignor to General Rubber Company, New York, N. Y. Collecting spray-dried latices. 1,690,114; Nov. 6.
- Hopkirk, Joseph, Cambridge, and G. W. Gane, Normanby, New Zealand. Milking-machine releaser. 1,676,693; July 10.
- Hopp, Ernest O., Portland, Ore. Electric heater. 1,679,424; Aug. 7.
- Hopp, Wilhelm, Heiligensee, Germany, assignor to General Electric Company. Spot welding. 1,669,126; May 8.
- Hoppe, Gerhard. (See Herzberg, W., and Hoppe.)
- Hoppe, Olga I., Kew Gardens, N. Y. Fastening device. 1,691,064; Nov. 13.
- Hoppe, William, Tacoma, Wash. Vehicle signal device. 1,661,071; Feb. 28.
- Hopper, Bernard J., Ealing, England. Combined guard and corrective appliance for writing instruments. 1,669,755; May 15.
- Hoppes, John J., Springfield, Ohio. Water wheel. 1,682,966; Sept. 4.
- Hoppmann, George P., Brooklyn, N. Y. Swimming apparatus. 1,685,083; Sept. 25.
- Hopson, Harry B., Springfield, Mass. Method and apparatus for forming textile material. 1,657,829; Jan. 31.
- Hopson, Harry B., Springfield, Mass. Weftless fabric. 1,657,830; Jan. 31.
- Hopwood, Harry T., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper. 1,658,847; Feb. 14.
- Hopwood, John M. (See Hall, Ralph E., assignor.)
- Hopwood, John M. (See Otto, Harry A., assignor.)
- Hopwood, John M. (See Peebles, Thomas A., assignor.)
- Hopwood, John M. (See Smith, George W., assignor.)
- Hopwood, John M., Dormont, Pa. Separator and method of extracting extraneous material from a fluid stream. 1,674,780; June 26.
- Hopwood, William B., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Combined shoe sole and heel. Des. 76,541; Oct. 9.

- Hopwood, William B., College Point, N. Y., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Nonslip sole. 1,687,294; Oct. 9.
- Horak, Frank, assignor of one-half to M. Hirsch, Valparaiso, Ind. Combined rectangular gauge and calipers. 1,672,491; June 5.
- Horan, Jeremiah, Flushing, N. Y. Sanitary butter-knife container. 1,682,571; Aug. 28.
- Horelick, Samuel, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Subway transformer. 1,655,837; Jan. 10.
- Horigan, Joseph A., Kansas City, Mo. Capsule. 1,683,466; Sept. 4.
- Horiata, Kenji, New York, N. Y. Window cleaner. 1,666,060; Apr. 10.
- Horil, Shinjiro, Tokyo, Japan. Stencil sheet. 1,664,033; Mar. 27.
- Horil, Shinjiro, Kanda-Ku, Tokyo, Japan. Stencil sheet. 1,664,777; Apr. 3.
- Horil, Shinjiro, Tokyo, Japan. Stencil sheet. 1,679,034; July 31.
- Horikoshi, Tokujiro, Los Angeles, Calif. Trap. 1,682,226; Aug. 28.
- Horix, Carl, Chicago, Ill. Combined receptacle and fountain-pen holder. Des. 74,264; Jan. 17.
- Horix, Carl, Chicago, Ill. Combined penholder and calendar. Des. 75,914; July 31.
- Horix, Carl, Chicago, Ill. Desk set. 1,670,722; May 22.
- Horlick, William, jr., Racine, Wis. Can closure and sealing means. 1,683,034; Sept. 4.
- Horix, Carl, Chicago, Ill. Fountain-pen desk set. 1,694,918; Dec. 11.
- Horix, Carl, Chicago, Ill. Expansion belt. 1,694,944; Dec. 11.
- Horie, Lawrence C. F., Newark, N. J., assignor to Federal Telephone Manufacturing Corporation, Buffalo, N. Y. Amplification system. 1,693,898; Dec. 4.
- Horie, Lawrence C. F., Newark, N. J., assignor, by mesne assignments, to Federal Telephone Manufacturing Corporation, Buffalo, N. Y. Grid leak. 1,693,899; Dec. 4.
- Hormel, August. (See Wagner, C., and Hormel.)
- Hormel, August, Jersey City, N. J. Window-cleaning device. 1,668,645; May 8.
- Hormel, George A., Austin, Minn. Meat-washing machine. 1,670,809; May 22.
- Hornes, William T., Catonsville, Md. Grille. Des. 76,869; Nov. 13.
- Hornes, William T., Catonsville, Md. Grille. Des. 76,870; Nov. 13.
- Hornes, William T., Catonsville, and A. M. Woltz and J. F. Reymann, Baltimore, Md., assignors, by mesne assignments, to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Partition structure. 1,671,113; May 29.
- Horn, Adam P. (See Horn, Carl and A. P.)
- Horn, August, et al. (See Herborn, Ludwig, assignor.)
- Horn & Brannen Manufacturing Co. Inc., The. (See Frerichs, Frederick A., assignor.)
- Horn, Carl and A. P., Elmhurst, New York, N. Y. Valve. 1,668,455; May 1.
- Horn, Charles W., Seattle, Wash. Fountain pen. 1,688,236; Oct. 16.
- Horn, George A., Chicago, Ill. Cabinet. 1,657,718; Jan. 31.
- Horn, Guido, Weissensee, near Berlin, Germany. Thread-guide lever for braiding machines. 1,639,389; Oct. 30.
- Horn, Henry S., South Orange, assignor to W. C. Horn, Bro. & Co., Newark, N. J. Loose-leaf binder. 1,683,975; Sept. 11.
- Horn, Jacques E., assignor to Eze Cushion Corporation, New York, N. Y. Chair cushion. 1,684,989; Sept. 18.
- Horn, John A. C. (See Geisenberger, A. J., and Horn.)
- Horn, Joseph M., Fort Wayne, Ind., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Control-valve mechanism. 1,667,860; May 1.
- Horn, Sigmund, and M. Zipkes, New York, N. Y. Aeroplane. 1,694,177; Dec. 4.
- Horn Surgical Company. (See Willmott, James D., assignor.)
- Horn, Thomas W., Cleveland, Ohio. Interleaving device for printing machines. 1,660,076; Feb. 21.
- Horn, W. C., Bro. & Co. (See Horn, Henry S., assignor.)
- Horn, Willy, et al. (See Herborn, Ludwig, assignor.)
- Hornaday, James M., Richmond, Va. Cut-off mechanism for cigarette machines. 1,675,351; July 3.
- Hornauer, Willy, Neukolln, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Electromagnetic talking machine. 1,665,784; Apr. 10.
- Hornberger, Carl S., assignor to Central Scientific Company, Chicago, Ill. McLeod-type pressure gauge. 1,666,739; Apr. 17.
- Hornberger, Earl J., Cleveland Heights, assignor to J. G. Oliver, doing business as Bardon and Oliver, Cleveland, Ohio. Automatic chuck and wire feed. 1,663,599; Mar. 27.
- Hornberger, Earl J., assignor to J. G. Oliver, doing business as Bardon and Oliver, Cleveland, Ohio. Automatic chuck and roller feed. 1,696,037; Dec. 18.
- Hornberger, William R., assignor of one-half to C. A. Gehrmann, Philadelphia, Pa. Ship telegraph. 1,657,923; Jan. 31.
- Hornbostel, Adolph H. C., Deshler, assignor of one-half to J. B. Ricketts, Lincoln, Nebr. Governor. 1,653,647; Jan. 10.
- Hornby, Frank, Liverpool, England, assignor to Meccano Company, Inc., Elizabeth, N. J. Track for toy trains. 1,690,448; Nov. 6.
- Horne, Archibald B., Springfield, Mass. Golf club. 1,684,278; Sept. 11.
- Horne, Archibald B., Springfield, Mass. Gymnasium-mat rack. 1,688,583; Oct. 23.
- Horne, James, Birmingham, Ala. Apparatus for cleaning slag pockets. 1,676,555; July 10.
- Horne, John F., deceased; F. P. Davis, executrix, Portland, Me. Clamping band. 1,678,622; July 24.
- Horne, William T., Queens Village, Long Island, assignor to H. Miller, Brooklyn, N. Y. Shoe. 1,655,397; Jan. 3.
- Hornecker, George, Elmhurst, assignor, by mesne assignments, to Conwell Graphic Company, Incorporated, New York, N. Y. Display device. 1,682,753; Sept. 4.
- Horner, Charles A., Cleveland, Tenn. Tool for removing and inserting saw teeth. 1,672,458; June 5.
- Horner, Oliver E., San Diego, Calif. Convertible automobile body. 1,687,021; Oct. 9.
- Horner, William C., Cincinnati, Ohio. Hinge. 1,660,266; Feb. 21.
- Horner, William C., Memphis, Tenn. Water cooler. 1,662,267; Mar. 13.
- Horni, Paul P., Newark, N. J. Electric lamp. Des. 74,305; Jan. 24.
- Horni, Paul P., Newark, N. J. Lens. 1,692,303; Nov. 20.
- Hornig, Fred R., Milwaukee, Wis. Mold for composite articles. 1,678,812; July 31.
- Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Lubricating system. 1,656,200; Jan. 17.
- Hornsey, John W., Norton by Sheffield, England, assignor to Granular Iron Company. Reduction of metals from ores. 1,690,820; Nov. 6.
- Hornstein, Michael, Paterson, N. J. Safety clothesline installation. 1,656,519; Jan. 17.
- Hornung, Anton N., Los Angeles, Calif. Refrigerator. 1,693,078; Nov. 27.
- Horowitz, Frederick. (See Buda, Pasquale, assignor.)
- Horowitz, Isaac B., New York, N. Y. Variable-speed gear shift. 1,654,879; Jan. 3.
- Horowitz, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Backplate for lighting fixtures or analogous articles. Des. 74,510; Feb. 21.
- Horowitz, Julius, New York, N. Y., assignor to Eagle Lites, Inc. Chandelier. Des. 74,511; Feb. 21.
- Horowitz, Julius, assignor to Eagle Lites, Inc., New York, N. Y. Bracket plate for lighting fixtures or analogous articles. Des. 74,885; Apr. 10.
- Horsfall, Harold, Johnstown, Pa. Supporting device. 1,672,720; June 5.
- Horsfall, Ronald S., and L. G. Lawrie, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Protection of animal fibers against the effects of alkaline or acid mediums. 1,693,926; Dec. 4.
- Horsfall, Ronald S., L. G. Lawrie, and J. Hill, Blackley, Manchester, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing cellulose esters and ethers. 1,662,514; Mar. 13.
- Horsfield, Basil T., Badin, N. C., assignor to Aluminum Company of America, Pittsburgh, Pa. Refractory heat-insulating material and making the same. 1,682,675; Aug. 28.
- Horsley, Caperton. (See Goldfield, E. R., and Horsley.)
- Horsley, Robert L., Memphis, Tenn. Pocketknife. 1,655,814; Jan. 10.
- Horsrud, Ole. (See Nielsen, E. J., and Horsrud.)
- Horst, Friedrich W., Neckargemund, Germany. Sealed package. 1,680,616; Aug. 14.
- Horst, Heinrich. (See Ginsbach, Felix, assignor.)
- Horst, Henry W., Company. (See Petersen, Robert P., assignor.)
- Horstkott, Frederick W., Portland, Oreg. Unloading machine. 1,686,088; Oct. 2.
- Horstkotte, Edward H. (See Rogers, H. W., and Horstkotte.)
- Horstkotte, Frederick W., Portland, Oreg. Stack shaper. 1,666,451; Apr. 17.
- Horstkotte, Frederick W., Portland, Oreg. Unloading machine. 1,683,779; Sept. 11.
- Horstmann, Frederick W., Irvington, N. J. Feeding mechanism for fur-shearing machines. 1,681,917; Aug. 21.
- Horstmann, Frederick W., Maplewood, N. J. Fur-shearing machine. 1,681,918; Aug. 21.
- Horstmann, Frederick W., Maplewood, N. J. Machine for cutting designs in furs. 1,681,919; Aug. 21.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutter-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetically-operated device. 1,682,676; Aug. 28.
- Horton, Allen A., Plymouth, Mich., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,682,081; Aug. 28.
- Horton, Allen A., Plymouth, Mich., assignor to Burroughs Adding Machine Company. Attachment for calculating machines. 1,690,487; Nov. 6.
- Horton, Allen A., Plymouth, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cushioning mechanism for calculating machines. 1,690,488; Nov. 6.
- Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Universal adapter. 1,680,787; Aug. 14.

- Horton, Charles, Ridgefield Park, N. J., assignor to The Pilot Electric Manufacturing Company, Inc., Brooklyn, N. Y. Rheostat. 1,672,414; June 5.
- Horton, Charles A., Providence, assignor to Hope Webbing Company, Pawtucket, R. I. Radioantenna. 1,696,402; Dec. 25.
- Horton, Clement E., New York, N. Y., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Hinge strap or similar article. Des. 77,093; Dec. 4.
- Horton, Clement E., New York, N. Y., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Hinge strap or similar article. Des. 77,094; Dec. 4.
- Horton, Edgar W., and H. G. Richardson, San Antonio, Tex. Gas outlet. 1,677,634; July 17.
- Horton, Elsie H., Minneapolis, Minn. Translucent decoration. 1,687,452; Oct. 9.
- Horton, Erwin C. (See Oishei, J. R., and Horton.)
- Horton, George T., Chicago, Ill. Gas holder. 1,688,868; Oct. 23.
- Horton, Joseph W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Generation and control of electric waves. 1,690,299; Nov. 6.
- Horton, Joseph W., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission of pictures by electricity. 1,690,300; Nov. 6.
- Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical measurements. 1,695,047; Dec. 11.
- Horton Mfg. Company. (See Barton, A. W., Du Lac, and Ferguson, assignors.)
- Horton, Ralph, New York, N. Y. Milk-Pasteurizing system. 1,668,316; May 1.
- Horton, Robert T., Greenwood, Ind. Firing door. 1,683,892; Sept. 11.
- Horton, Walter E., Arlington, and A. Caro, Dorchester, Mass. Draw bolt. Des. 75,117; May 8.
- Hortvet, Richard M., assignor to Mahr Manufacturing Co., Minneapolis, Minn. Liquid-fuel burner. 1,673,194; June 12.
- Horvath, Ferdinand, sr., Budapest, Hungary. Album for photos and their negatives and/or for index cards and the like. 1,667,972; May 1.
- Horvath, Geza, Highland Park, Mich. Charge-forming device for internal-combustion engines. 1,688,388; Oct. 23.
- Horvath, Geza, Highland Park, Mich. Cellular radiator. 1,688,929; Oct. 23.
- Horwich, Bernard. (See Mudd, Garrett W., assignor.)
- Horwitt, Paul H., Springfield, Mass. Napkin dispenser or the like. Des. 75,563; June 19.
- Horwitt, Paul H., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Dispenser. 1,678,339; July 24.
- Horwitz, Alexander, New York, N. Y. Apparatus for sulphoning oils. 1,671,586; May 29.
- Hosch, J. Claude, Los Angeles, Calif. Air heater. 1,658,198; Feb. 7.
- Hose, Henry G., Brooklyn, N. Y. Toy. 1,694,917; Dec. 11.
- Hose, Walter R., New Ulm, Minn. Dirigible headlight. 1,693,900; Dec. 4.
- Hoseth, Tom, Seattle, Wash. Measuring device. 1,688,080; Oct. 16.
- Hosford, John L., Boonville, Mo. Gear-shifting-lever lock. 1,662,643; Mar. 13.
- Hosford, John L., Boonville, Mo. Gear-shifting-lever lock and ignition-switch-actuating mechanism. 1,694,011; Dec. 4.
- Hosford, Leonard V., Portland, Oreg. Fuel-valve-operating mechanism. 1,668,076; May 1.
- Hosford, Leonard V., Portland, Oreg. Fuel nozzle for internal-combustion engines. 1,673,511; June 12.
- Hosford, Leonard V., Portland, Oreg. Internal-combustion engine. 1,680,883; Aug. 14.
- Hosford, William F., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Working fibrous material. 1,678,390; July 24.
- Hosier, Clarence A., Rolfe, Iowa. Ventilator for farm buildings. 1,686,858; Oct. 9.
- Hocking, John, Claremont, N. H., assignor to Sullivan Machinery Company. Broaching machine. 1,669,402; May 8.
- Hosking, Richard T., Wilmette, assignor to Shakeproof Lock Washer Company, Incorporated, Division of Illinois Tool Works, Chicago, Ill. Lock washer. 1,667,803; May 1.
- Hoskins, William S., Warren, assignor to Columbian Carbon Company, Williamsport, Pa. Bolter for carbon black. etc. 1,691,572; Nov. 13.
- Hosmer, Chester C., Huntington Beach, Calif. Casing head. 1,662,707; Mar. 13.
- Hosoi, Isamu, Tochigi-ken, assignor of one-half to K. Takei, Tokyo, Japan. Phonograph. 1,683,670; Sept. 11.
- Hossard, Baptiste, Maspeth, N. Y. Caster. 1,689,031; Oct. 23.
- Hosterman, Arthur D. (See Bowlus, Henry C., assignor.)
- Hosterman, Harry L., Akron, Ohio. Internal-combustion engine. 1,659,528; Feb. 14.
- Hosterman, Harry L., assignor to John R. Gammeter, Akron, Ohio. Ignition timer and distributor. 1,665,265; Apr. 10.
- Hostettler, Leigh W., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Journal-box lid. 1,663,705; Mar. 27.
- Hostettler, Leigh W., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Journal-box lid. 1,684,541; Sept. 18.
- Hostettler, Leigh W., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Journal-box lid. 1,684,542; Sept. 18.
- Hotchkin, Paul M., Chicago, Ill. Hospital night light. 1,670,572; May 22.
- Hotchkin, Paul M., Chicago, Ill. Bank-screen-lighting device. 1,695,283; Dec. 18.
- Hotchkin, Paul M., assignor to Curtis Lighting, Incorporated, Chicago, Ill. Bank-screen-lighting device. 1,691,883; Nov. 13.
- Hotchkiss, Clifford. (See Phelan, L. A. M., and Hotchkiss.)
- Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
- Hotchkiss, Mark S. (See Harrold, Edward T., assignor.)
- Hotchner, Fred, Los Angeles, Calif. Flashing and regulating apparatus for discharge-tube display. 1,662,114; Mar. 13.
- Hothersall, John M. (See Walter, G. F., and Hothersall.)
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Metal can. Des. 74,835; Apr. 3.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Nozzle and closure therefor. 1,655,648; Jan. 10.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Knockdown sheet-metal cracker can. 1,657,084; Jan. 24.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,691,289; Nov. 13.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Closure for sifter-top cans. 1,694,781; Dec. 11.
- Hotstream Heater Company, The. (See Mendelson, Louis R., assignor.)
- Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
- Hott, James L., Canton, Ohio. Furnace of the recuperative type. 1,658,199; Feb. 7.
- Hott, Thomas W., assignor to Crowe Name Plate & Manufacturing Co., Chicago, Ill. Cable marker. 1,655,904; Jan. 10.
- Hottel, Louis W., and H. M. Sturgeon, Erie, Pa. Rubber-molding apparatus. 1,657,398; Jan. 24.
- Hottenstein, George E., Jr. (See Hottenstein, George E., and G. E., Jr.)
- Hottenstein, George E. and G. E., Jr., Spokane, Wash. Rotary valve mechanism for internal-combustion engines. 1,684,767; Sept. 18.
- Hottinger, Adolph E., assignor to Chicago Crucible Company, Chicago, Ill. Refractory article and making same. 1,663,660; Mar. 27.
- Hottinger, Arnold H., Chicago, Ill. Spraying device. 1,686,003; Oct. 2.
- Hottinger, Arnold H., Chicago, Ill. Spraying device. 1,686,004; Oct. 2.
- Hotz, Ernst, Hattersheim-on-the-Main, and V. Lanz, Höchst-on-the-Main, Germany, assignors to Grasselli Drestuff Corporation, New York, N. Y. Preparing 2-aminonaphthalene-3-carboxylic acid. 1,690,785; Nov. 6.
- Hotz, John P., assignor of one-half to M. A. Wood, Boston, Mass. Support for tire chains. 1,688,712; Oct. 23.
- Hotz, John P., assignor of one-half to M. A. Wood, Boston, Mass. Tire-chain tool. 1,693,755; Dec. 4.
- Hotze, Henry, & Sons Co. (See Hotze, John K., assignor.)
- Hotze, John K., assignor to Henry Hotze & Sons Co., St. Louis, Mo. Golf bag. 1,659,269; Feb. 14.
- Houbigant, Inc. (See Javal, Fernand, assignor.)
- Houck, Harry W., East Orange, N. J., assignor, by mesne assignments, to Duplicor Condenser Corporation, New York, N. Y. Arrangement of electrical appliances. 1,684,703; Sept. 18.
- Houck, Harry W., East Orange, N. J., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Wave signaling system. 1,686,005; Oct. 2.
- Houck, Henry O., Harrisburg, Pa. Knife and fork rest. Des. 74,265; Jan. 17.
- Houck, John D., Chicago, Ill. Coffee-making device. 1,680,519; Aug. 14.
- Houck, Walter V., Snyder, N. Y. Grinding tool. 1,662,385; Mar. 13.
- Hough, Arthur H. (See Carpenter, Frank D., assignor.)
- Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Venetian-blind appliance. 1,687,092; Oct. 9.
- Hough, Edward B., Providence, R. I. Cigarette case. 1,666,902; Apr. 24.
- Hough, Herbert D., Cranston, assignor to Wightman and Hough Company, Providence, R. I. Vanity case. 1,666,901; Apr. 24.
- Hough, Otto V., Warrenton, Mo. Protecting paved roads against erosion. 1,696,237; Dec. 25.
- Hough Shade Corporation. (See Hough, Azel C., assignor.)
- Hough, William S. (See Thompson, J. A., and Hough.)
- Houghtaling, Guy R., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. 1,663,006; Mar. 20.
- Houghtaling, Guy R., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Ornamented article and making the same. 1,666,138; Apr. 17.

- Houghtby, George T., London, Ontario, Canada. Warm-air furnace. 1,673,072; June 12.
- Houghtby, George T., London, Ontario, Canada. Centrifugal fan. 1,673,073; June 12.
- Houghtby, George T., London, Ontario, Canada. Method of and apparatus for forced-air heating. 1,673,074; June 12.
- Houghton, E. F., and Company. (See Langenberg, Frederick C., assignor.)
- Houghton, E. F., and Company. (See Peirson, C. H., and Bohne, assignors.)
- Houghton, Erol V., Syracuse, N. Y. Can opener. 1,675,807; July 3.
- Houghton, Harry W., Glen Echo, Md., assignor to Safety Fumigant Company, Boston, Mass. Fumigant material and package. 1,665,082; Mar. 20.
- Houghton, Herbert, Los Angeles, Calif. Ignition tester. 1,663,130; Mar. 20.
- Houle, Francis T., assignor to Biddle & Smart Company, Amesbury, Mass. Vehicle body. 1,683,467; Sept. 4.
- House, Charles E., San Francisco, Calif., assignor to Pacific Egg Producers Co-Operative Incorporated, New York, N. Y. Shipping eggs. 1,674,724; June 26.
- House, Frank R., Baldwin Harbor, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Searchlight shutter. 1,686,525; Oct. 9.
- House, Frank R., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Make-and-break device. 1,690,538; Nov. 6.
- House, Warren D., Kansas City, Mo. Radiotelephony. 1,690,010; Oct. 30.
- House, Warren D., Kansas City, Mo. Radio loud speaker. 1,690,011; Oct. 30.
- House, William B., Ada, Okla. Screen for cotton cleaners. 1,662,745; Mar. 13.
- Household Guide Corporation. (See Betts, Isaac S., assignor.)
- Household Necessity Company. (See Heath, Harry C., assignor.)
- Houseknecht, Eli M., Thurmond, W. Va. Diaper. 1,676,144; July 3.
- Houseman, Cecil R., Wembley, England, assignor, by mesne assignments, to Air Reduction Company, Incorporated. Heat-interchange device. 1,677,777; July 17.
- Houseman, Harold E., Edge Moor, Del. Hosiery-drying form. 1,663,706; Mar. 27.
- Houseman, Wilbur L., Philadelphia, Pa., assignor to Standard Trump Bros. Machine Company, Wilmington, Del. Machine and process for knitting plaited fabric. 1,661,427; Mar. 6.
- Houskeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,658,200; Feb. 7.
- Housley, Evelyn C. (See Housley, Robert B., assignor.)
- Housley, Robert B., Indianapolis, Ind., assignor of one-half to E. C. Housley. Flue joint. 1,658,525; Feb. 7.
- Housley, William F., Annapolis, and E. G. Townsend, Camp Parole, Md. Valve-spring compressor. 1,685,548; Sept. 25.
- Houston, Aubrey, Christchurch, New Zealand, assignor to Toledo Scale Company, Toledo, Ohio. Indicating device. 1,671,290; May 29.
- Houston, Everett T., et al. (See Bonge, Charles E., assignor.)
- Houston, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Railway vehicle. 1,680,417; Aug. 14.
- Houston, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric locomotive. 1,682,517; Aug. 28.
- Houston, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Guide truck. 1,686,664; Oct. 9.
- Houston, Leonard W., Tulsa, Okla. High-pressure safety valve. 1,674,113; June 19.
- Houston, William, Haverhill, Mass. Pie-plate attachment. 1,669,127; May 8.
- Houston, William A., Lewisburg, Tenn. Composite lumber. 1,655,699; Jan. 10.
- Houston, William F., Washington, D. C. Eccenter. 1,679,425; Aug. 7.
- Houtz, Alfred B., Elizabeth City, N. C. Barrel. 1,669,243; May 8.
- Hov, Johan A. H., Trondhjem, Norway. Machine for distributing artificial manure and the like. 1,672,065; June 5.
- Hovell, Theodore. (See Wagner, Charles, assignor.)
- Hovey, Waldo C. (See Reid, H. S., and Hovey.)
- Hovlid, Norman G., Longmont, Colo., assignor to Belden Manufacturing Company, Chicago, Ill. Ignition-timer wiring assembly. 1,678,118; July 24.
- How, Harlan W., assignor to Buffalo Foundry & Machine Company, Buffalo, N. Y. Stirring device for driers. 1,672,218; June 5.
- Howard, Albert L., Braintree, assignor to A. Hamilton, Brockton, Mass. Upholstery strip. 1,659,294; Feb. 14.
- Howard, Albert L., Braintree, assignor to A. Hamilton, Brockton, Mass. Bow necktie. 1,692,991; Nov. 27.
- Howard, Alonzo, assignor of eighteen per cent to A. F. Burchard, Chicago, Ill. Explosive engine. 1,659,144; Feb. 14.
- Howard, Charles H., Saugus, assignor, by mesne assignments, to American Re-Enforced Paper Company, Attleboro, Mass. Reenforced-paper fabrics. 1,679,721; Aug. 7.
- Howard, Charles L., Chicago, Ill., assignor to Western Railway Equipment Co., St. Louis, Mo. Floor clip. 1,678,143; July 24.
- Howard, Charles R., and R. W. Wagner, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Color indication for multicolor-weft-replenishing looms. 1,663,945; Mar. 27.
- Howard, Frank A., Elizabeth, N. J. Golf club. 1,657,473; Jan. 31.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Valve for internal-combustion engines. 1,664,375; Mar. 27.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Pumping gasiform fluids. 1,673,678; June 12.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Pyrogenesis of petroleum products. 1,676,694; July 10.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Treating oils. 1,676,826; July 10.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Cracking hydrocarbons. 1,681,899; Aug. 21.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Obtaining lighter products from hydrocarbons. 1,686,490; Oct. 2.
- Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Converting hydrocarbons into lower-boiling products. 1,694,262; Dec. 4.
- Howard, Frank A., and N. E. Loomis, assignors to Standard Oil Development Company, Elizabeth, N. J. Heat conversion of hydrocarbon oils. 1,670,037; May 15.
- Howard, Frank A., Elizabeth, and T. R. Parker, Jersey City, N. J., assignors to Standard Development Company. Method of and apparatus for preventing knocking in internal-combustion engines. 1,676,827; July 10.
- Howard, Frank A., Elizabeth, N. J., and T. R. Parker, New York, N. Y., assignors to Standard Development Company. Method of and apparatus for preventing knocking in internal-combustion engines. 1,676,828; July 10.
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Blowing glassware. 1,673,747; June 12.
- Howard, George E., Butler, Pa., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding molten glass. 1,678,291; July 24.
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,680,543; Aug. 14.
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for polishing glass. 1,684,029; Sept. 11.
- Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming plate glass. 1,684,030; Sept. 11.
- Howard, Harold B., Bouckville, N. Y. Saw. 1,673,075; June 12.
- Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making sodium hydrosulphide. 1,675,491; July 3.
- Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Preparation of sodium phosphate. 1,676,556; July 10.
- Howard, Henry, assignor to Tingle Manufacturing Company, Seymour, Conn. Loom and method of weaving double-pile fabrics. 1,691,194; Nov. 13.
- Howard, Henry, assignor to Tingle Manufacturing Company, Seymour, Conn. Loom and method of weaving double-pile fabrics. 1,691,195; Nov. 13.
- Howard, Hermon E., assignor to Weller Manufacturing Company, Chicago, Ill. Belt conveyer. 1,690,301; Nov. 6.
- Howard, Jesse C., Columbus, Ohio. Valve. 1,694,595; Dec. 11.
- Howard, John A., West Brighton, N. Y. Windshield-cleaning device. 1,664,746; Apr. 3.
- Howard, Joseph O., Evanston, Ill. Holder. 1,676,032; July 3.
- Howard, Karl S. (See Quinby, George F., assignor.)
- Howard, Karl S., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,683,671; Sept. 11.
- Howard, Karl S., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,683,672; Sept. 11.
- Howard, Karl S., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,683,673; Sept. 11.
- Howard, Karl S., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,683,674; Sept. 11.
- Howard, Kyle, et al. (See Wagoner, Samuel O., assignor.)
- Howard, Lee E., and M. E., Los Angeles, Calif. Nonbreakable dressed doll. 1,692,897; Nov. 27.
- Howard, Lemuel F. (See Griffin, H. W., and Howard.)
- Howard, Leslie E., Lockport, N. Y., assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Heat-treating apparatus. 1,696,801; Dec. 25.

- Howard, Leslie E., and A. D. Potts, Lockport, N. Y., assignors to Simonds Saw and Steel Company, Fitchburg, Mass. Producing permanent magnets. 1,677,674; July 17.
- Howard, Lloyd C. (See Caton, H. and B., and Howard.)
- Howard, Marguerite E. (See Howard, Lee E. and M. E.)
- Howard, Marshall, assignor to Woods Brothers Construction Co., Lincoln, Neb. Piling. 1,665,462; Apr. 10.
- Howard, Reubin, Parkdale, Oreg. Musical instrument. 1,690,340; Nov. 6.
- Howard, Stanley R., East Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Driving mechanism. 1,665,463; Apr. 10.
- Howard, William H., Salt Lake City, Utah. Recovery of sulphur. 1,685,231; Sept. 25.
- Howard, William R. (See Egloff, G. and Howard.)
- Howard, William R., Washington, D. C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,674,827; June 26.
- Howcott, Harley A. W., New Orleans, La. Brick. 1,661,946; Mar. 6.
- Howcott, Harley A. W., New Orleans, La. Igniter for internal-combustion engines. 1,666,967; Apr. 24.
- Howcott, Harley A. W., Baton Rouge, La. Cleanable trap for sinks and the like. 1,681,117; Aug. 14.
- Howden, Henry. (See Teichart, Ernst G., assignor.)
- Howden, Walter E., Edwardsville, Ill. Adjustable drafting instrument. 1,684,224; Sept. 11.
- Howden, William N., San Pedro, Calif. Article holder. 1,664,109; Mar. 27.
- Howdon, William R., Anniston, Ala. Air brake. 1,661,947; Mar. 6.
- Howe-Anderson Company. (See Howe, Bartlett G., assignor.)
- Howe, Bartlett G., assignor to Howe-Anderson Company, Galesburg, Ill. Bread-basket rack. 1,683,675; Sept. 11.
- Howe, Chester C., New Kensington, assignor, by mesne assignments, to F. R. Alter, Parnassus, Pa. Washing machine. 1,693,785; Dec. 4.
- Howe, Donald W., Biloxi, Miss. Peanut butter. 1,696,766; Dec. 25.
- Howe, Donald W., E. R. Pickett, and D. M. McBean, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Cleaning chicle and similar gums. 1,664,981; Apr. 8.
- Howe, Emil, San Gabriel, Calif. Electric superheater. 1,662,746; Mar. 13.
- Howe, Fletcher A., and N. C. Bang, Spencer, Iowa. Cleaner attachment for rakes. 1,677,635; July 17.
- Howe, Folding Furniture, Inc. (See Howe, Harold, assignor.)
- Howe, Fred M., Wellsboro, Pa. Game. 1,657,163; Jan. 24.
- Howe, Fred M., Wellsboro, Pa. Cap gun. 1,662,971; Mar. 20.
- Howe, George E., North Plainfield, N. J. Headlight. 1,668,679; May 8.
- Howe, Goodwin H., Schenectady, N. Y., assignor to General Electric Company. Treatment of metals. 1,655,269; Jan. 8.
- Howe, Goodwin H., Schenectady, N. Y., assignor to General Electric Company. Treatment of metals. 1,673,624; June 12.
- Howe, Harold, Orange, N. J., assignor to Howe Folding Furniture, Inc., New York, N. Y. Folding table. 1,679,426; Aug. 7.
- Howe, James E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Cable. 1,678,292; July 24.
- Howe, James M., Cleveland Heights, assignor to The Murray Manufacturing Company, Cleveland, Ohio. Bearing mechanism. 1,672,530; June 5.
- Howe, James M., assignor to The Murray Manufacturing Company, Cleveland, Ohio. Bearing mechanism. 1,675,932; July 3.
- Howe, John D. (See Greenwald, H. A. and Howe.)
- Howe, Leon S., Hartford, and J. J. Holloway, assignors to The Stanley Works, New Britain, Conn. Box-strap-applying machine. 1,662,268; Mar. 13.
- Howe, Philip L., Wilson, Tex. Engine-cooling means. 1,662,269; Mar. 13.
- Howe Scale Company, The. (See Starr, Morton H., assignor.)
- Howe, Thomas. (See Peteler, Adolph, assignor.)
- Howe, William G., Des Moines, Iowa. Corn-popping machine. 1,658,486; Feb. 7.
- Howe, Winthrop K., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y. Clothes cylinder for washing machines. 1,654,589; Jan. 3.
- Howe, Winthrop K., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y. Power-operated wringer. 1,667,472; Apr. 24.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Railway-switch-selector-operating means. 1,667,473; Apr. 24.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Railway-switch-selector-operating means. 1,667,474; Apr. 24.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,678,614; July 24.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system. 1,682,518; Aug. 28.
- Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,691,009; Nov. 6.
- Howe, Winthrop K., assignor to General Railway Signal Company. Brake shoe for car retarders. 1,691,010; Nov. 6.
- Howe, Winthrop K., and C. S. Bushnell, assignors to General Railway Signal Company, Rochester, N. Y. Train control. 1,678,615; July 24.
- Howel, Clayton J., assignor to Orange Crush Company, Chicago, Ill. Bottle. Des. 74,437; Feb. 14.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion-picture-camera case. Des. 75,367; May 29.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic-film reel and manufacturing the same. 1,665,207; Apr. 10.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Incandescent-electric-lamp socket, lamp, and adapter therefor. 1,675,554; July 3.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic device. 1,675,555; July 3.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Motion-picture apparatus. 1,680,295; Aug. 14.
- Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Adjustable photographic vignetter. 1,682,127; Aug. 28.
- Howell, Edward I., Phillipsburg, N. J. Holder. 1,691,155; Nov. 13.
- Howell, Ernest L., Las Vegas, Nev. Lubricator-terminal check valve. 1,659,916; Feb. 21.
- Howell, Frank B., Buffalo, assignor to American Radiator Company, Chicago, Ill. Boiler. 1,687,160; Oct. 9.
- Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Boiler. 1,692,122; Nov. 20.
- Howell, Harry H., Kansas City, Mo., assignor of one-half to W. H. Elliott, Tulsa, Okla. Combination pressure-vacuum valve and thief hatch. 1,666,935; Apr. 24.
- Howell, Herman E., Salisbury, N. C. Film case. 1,668,405; May 1.
- Howell, J. H., et al. (See Le Bus, John E., assignor.)
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Bearing puller. 1,670,573; May 22.
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Tool for removing hollow pintles, bushings, and the like. 1,670,574; May 22.
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Bearing puller. 1,683,183; Sept. 4.
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Bearing puller. 1,683,189; Sept. 4.
- Howell, James W., assignor to The White Motor Company, Cleveland, Ohio. Tool. 1,696,574; Dec. 25.
- Howell, John E., Dallas, Tex. Fishhook. 1,681,407; Aug. 21.
- Howell, Ralph E., New York, N. Y. Land and water vehicle. 1,672,613; June 5.
- Howell, Sylvester S., Chicago, Ill. Material separator. 1,654,811; Jan. 3.
- Howell, Theodore H., Melbourne, and R. G. Ferguson, St. Kilda, Victoria, Australia. Telephone. 1,680,990; Aug. 14.
- Howell, Ulysses N., Rome, Ga. Stove. Des. 76,930; Nov. 20.
- Howell, Wallace H., jr., Willsboro, N. Y. Cooking wood to form chemical paper stock. 1,670,156; May 15.
- Howells, Thomas H., Salt Lake City, Utah. Dynamo-electrical vibrating unit. 1,661,829; Mar. 6.
- Hower, Harry C., Chicago, Ill. Automobile tire. Des. 77,235; Dec. 18.
- Hower, John B., and J. V. Zeller, assignors to The Akron-Selle Company, Akron, Ohio. Liquid gauge. 1,678,513; July 24.
- Hower, Joseph B., Worcester, assignor to George S. Harwood & Son, Boston, Mass. Card-feeding mechanism. 1,675,756; July 3.
- Hoves, Irving C., assignor to Davis & Furber Machine Company, North Andover, Mass. Hand card. 1,695,765; Dec. 18.
- Howes, Raymond T., Wilmington, assignor to Pan American Petroleum Company, Los Angeles, Calif. Cylinder-oil composition and preparing same. 1,677,389; July 17.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Full-fashioned-knitting machine. 1,671,191; May 29.
- Howie, Kenneth, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa. Yarn guide for knitting machines. 1,675,556; July 3.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting implement for knitting machines. 1,675,557; July 3.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Needle-selector mechanism for knitting machines. 1,678,906; July 31.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Trick wheel for knitting machines. 1,678,907; July 31.
- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Spring-beard knitting machine. 1,684,583; Sept. 18.

- Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Needle-selector jacquard for knitting machines. 1,684,586; Sept. 18.
- Howland, Erwin W., assignor to H. Likly and Company, Rochester, N. Y. Baggage. 1,658,201; Feb. 7.
- Howland, Joseph L., Cleveland, Ohio. Abrasive wheel. 1,678,596; July 24.
- Howlett, Clarence W., Kokomo, Ind., assignor to The Akron Standard Mold Company, Akron, Ohio. Air-bag-inserting machine. 1,654,880; Jan. 3.
- Howlett, Henry P., Stoke-on-Trent, England, assignor to Herman C. Kupper, Inc., New York, N. Y. Plate or similar article. Des. 75,425; June 5.
- Howlett, James M., Gary, Ind. Protective cover for bathtubs. 1,686,560; Oct. 9.
- Howlett, Peyton L., Brownwood, Tex. Cotton-tie splice. 1,677,828; July 17.
- Howlett, Robert E., Malden, Mass. Stitch-down shoe and making same. 1,677,343; July 17.
- Howse, Curtis L., Detroit, Mich., assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Stoker-operating system. 1,658,049; Feb. 7.
- Howse, Curtis L., Detroit, Mich., assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Ram drive for underfeed stokers. 1,663,513; Mar. 20.
- Howse, Curtis L., Detroit, Mich., assignor to A. W. Cash Company. Pressure-regulation means. 1,694,507; Dec. 11.
- Howse, Philip M., assignor to Hol-Fast Bedlock Company, Nashville, Tenn. Side-rail fastener for beds. 1,695,961; Dec. 18.
- Howse, Philip M., assignor to Hol-Fast Bedlock Company, Nashville, Tenn. Side-rail fastener for beds. 1,695,962; Dec. 18.
- Howser, Walter M., La Porte, Ind. File holder. 1,691,808; Nov. 13.
- Howson, Charles T., assignor to Huntley Manufacturing Co., Silver Creek, N. Y. Cherry-pitting machine. 1,694,263; Dec. 4.
- Howson, Thomas J., Marshfield, Oreg. Wire puller and twister for concrete framework. 1,684,797; Sept. 18.
- Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,658,680; Feb. 7.
- Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Phonograph record. 1,669,128; May 8.
- Hoxsie, Floyd S., Barstow, Calif. Incense burner. Des. 75,247; May 22.
- Hoxton, L. G., et al. (See Page, Charles H., assignor.)
- Hoy, Dear T., Chicago, Ill. Grinding apparatus. 1,689,922; Oct. 30.
- Hoy, Frank P. (See Ayotte, Joseph R., assignor.)
- Hoy, Walter J., Woodside New York, N. Y. Safety device for transporting fragile articles. 1,689,588; Oct. 30.
- Hoye, Stephen M., Brooklyn, N. Y. Treating holly and like plants and products derived therefrom. 1,679,525; Aug. 7.
- Höyer, Sigurd, Oslo, Norway. Permanent dam and weir. 1,678,515; July 24.
- Hoyle, John, and S. T. Short, Buchanan County, Iowa. Rake attachment for cultivators. 1,682,967; Sept. 4.
- Hoyois, Léon, Gilly, Belgium. Method of washing coal, ores, and other similar materials, and automatic water-current separator for carrying the method into practice. 1,696,767; Dec. 25.
- Hoyt, Charles H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-supplying mechanism. 1,667,786; May 1.
- Hoyt, Fred L., assignor of one-third to C. S. Sloan, sr., and one-third to J. S. King, Denver, Colo. Retort. 1,663,912; Mar. 27.
- Hoyt, Frederick A., Bloomfield, N. J., and O. A. Shann, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reinforcing the lock and door of telephone coin collectors. 1,667,804; May 1.
- Hoyt Heater Company. (See Hoyt, Robert C., assignor.)
- Hoyt, Jennie K., et al. (See Au, Carl H., assignor.)
- Hoyt, John T., Hazleton, Pa., assignor to United Filters Corporation, New York, N. Y. Apparatus for separating liquid from pulp fibers. 1,685,084; Sept. 25.
- Hoyt, John T., Hazleton, Pa., assignor to United Filters Corporation, New York, N. Y. Dewatering apparatus. 1,685,085; Sept. 25.
- Hoyt, Lyman H. (See Graves, Roy V., assignor.)
- Hoyt, Milton A. (See Higgins, J. J., and Hoyt.)
- Hoyt, Reginald H., Roslindale, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrostatic condenser. 1,684,491; Sept. 18.
- Hoyt, Robert C., Oakland, assignor to Hoyt Heater Company, Los Angeles, Calif. Water-heater base. 1,666,093; Apr. 17.
- Hoyt, Robert C., Oakland, assignor to Hoyt Heater Company, Los Angeles, Calif. Water-heater gas burner. 1,666,094; Apr. 17.
- Hoyt, Sherman R. (See Frease, Hurxthal F., assignor.)
- Hoyt, Simes T., assignor to Hawaiian Pineapple Company Limited, Honolulu, Hawaii. Drying fruits, vegetables, and the like. 1,668,591; May 8.
- Hubach, Gustave, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 74,372; Feb. 7.
- Hubbard, Adra M., Dallas, Tex. Steam generator. 1,687,615; Oct. 16.
- Hubbard, Albert S., New York, N. Y. Electric converter. 1,662,889; Mar. 20.
- Hubbard, Burr J., Kokomo, Ind., assignor to Hubbard Products Company. Ventilator for motor vehicles. 1,669,396; May 8.
- Hubbard, Cecil R., Newark, assignor to The Garlock Packing Company, Palmyra, N. Y. Making brushes. 1,677,920; July 24.
- Hubbard Corporation. (See Fancher, Charles J., assignor.)
- Hubbard Corporation, The. (See Hubbard, Guy, assignor.)
- Hubbard, Francis A., Wyoming, N. J., assignor to Western Electric Co., Incorporated, New York, N. Y. Electrical testing. 1,684,397; Sept. 18.
- Hubbard, Guy, assignor to The Hubbard Corporation, Windsor, Vt. Glazier's point setter. 1,674,437; June 19.
- Hubbard, Henry E. (See Duncan, J. S., and Hubbard.)
- Hubbard, Henry E., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Addressing machine. 1,677,344; July 17.
- Hubbard, Henry E., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing device. 1,677,449; July 17.
- Hubbard, Henry E., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing device. 1,682,519; Aug. 28.
- Hubbard, Henry L., Cleveland, Ohio. Automobile heater. 1,678,567; July 24.
- Hubbard & McClary. (See Mower, Will S., assignor.)
- Hubbard Products Company. (See Hubbard, Burr J., assignor.)
- Hubbard, Robert L., New York, N. Y. Ash tray. Des. 76,302; Sept. 11.
- Hubbell, Benjamin F., Cambridge, Mass., assignor, by mesne assignments, to The Bessick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,661,755; Mar. 6.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Switch receptacle. 1,672,219; June 5.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Adjustable candle socket. 1,678,144; July 24.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Switch plug. 1,679,722; Aug. 7.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Cord clamp. 1,679,723; Aug. 7.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Door control. 1,684,704; Sept. 18.
- Hubbell, Harvey, Bridgeport, Conn., deceased; L. E. Hubbell, executrix. Socket shell. 1,686,813; Oct. 9.
- Hubbell, Harvey, deceased, Bridgeport, Conn.; L. E. Hubbell, executrix. Signal system. 1,688,631; Oct. 23.
- Hubbell, Harvey, Incorporated. (See Hubbell, Harvey, jr., assignor.)
- Hubbell, Harvey, Incorporated. (See Petersen, Carl M., assignor.)
- Hubbell, Harvey, jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Electric fan. Des. 75,795; July 17.
- Hubbell, Harvey, jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Battery switch. 1,676,608; July 10.
- Hubbell, Harvey, jr., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Cap and shell fastening. 1,685,361; Sept. 25.
- Hubbell, Louie E., executrix. (See Hubbell, Harvey.)
- Hubbell, Louie E., executrix. (See Hubbell, Harvey, assignor.)
- Hubbell, Marvin D., Palatka, Fla. Blade holder. 1,668,077; May 1.
- Hubbell, Minott P., Ashburnham, Mass. Drill chuck. 1,668,317; May 1.
- Hubble, Grover C., Bonners Ferry, Idaho. Automatic voltage control. 1,684,182; Sept. 11.
- Hubbs, Henry E., and L. D. Malone, assignors to The Shelby Spring Hinge Company, Shelby, Ohio. Double-acting hinge and check. 1,666,903; Apr. 24.
- Hubbs, Joshua. (See Hussey, James H., assignor.)
- Hubener, William A., New York, assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Setting tool. 1,656,000; Jan. 10.
- Huber, Albert C., Zurich, Switzerland. Hat. 1,692,740; Nov. 20.
- Huber, Charles J., Baltimore, Md. Furnace. 1,666,418; Apr. 17.
- Huber, Clinton J., Seattle, Wash. Artificial teeth. 1,688,621; Oct. 23.
- Huber, Fritz, assignor to Heinrich Lanz Aktiengesellschaft, Mannheim, Germany. Motor vehicle with horizontal engine. 1,666,208; Apr. 17.
- Huber, Fritz, Mannheim, assignor, by mesne assignments, to Heinrich Lanz Aktiengesellschaft, Mannheim, Baden, Germany. Internal-combustion engine. 1,672,031; June 5.
- Huber, Harold V., Mount Lebanon, and T. M. Felton, Dormont, assignors to The Vitro Manufacturing Company, Pittsburgh, Pa. Color composition for vitreous enamel. 1,673,679; June 12.

- Huber, Herman J. H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,655,464; Jan. 10.
- Huber, Herman J. H., Schenectady, N. Y., assignor to General Electric Company. Switching apparatus. 1,673,748; June 12.
- Huber, Herman J. H., Upper Darby, Pa., assignor to General Electric Company. Grounding and testing arrangement. 1,655,465; Jan. 10.
- Huber, Johann J., Tuttingen, Germany, assignor to J. Kuhn, Chicago, Ill. Advertising device. 1,672,531; June 5.
- Huber, John Y., Jr., Ardmore, Pa. Stabilization of oils, fats, and waxes. 1,680,047; Aug. 7.
- Hubers, Henry W., Davenport, Iowa. Timing device for washing machines. 1,669,708; May 15.
- Hubert, Barney A., Pine Lawn, Mo. Flower and plant box. 1,666,240; Apr. 17.
- Hubert, Emil. (See Schmidt, H., and Hubert.)
- Huberty, Lewis W., Canton, Ohio. Door-operating device. 1,658,640; Feb. 7.
- Hubinger, George M., assignor to Star Detachable Towel Holder Co., Milwaukee, Wis. Towel cabinet. 1,681,614; Aug. 21.
- Hubmann, Otto, Frankfort-on-the-Main, Germany. Apparatus for distilling solid combustible carbonaceous material. 1,690,933; Nov. 6.
- Hubmann, Otto, assignor to Metallbank & Metallurgische Gesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for cleansing and cooling gases. 1,690,635; Nov. 6.
- Hubmann, Otto, assignor to Metallbank und Metallurgische Gesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for distilling combustible materials. 1,690,934; Nov. 6.
- Hubmann, Otto, assignor to Metallbank & Metallurgische Gesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process and apparatus for distillation of combustible materials. 1,690,935; Nov. 6.
- Hübner, Alfred, Berlin-Friedenau, assignor to Siemens & Halske, Berlin, Germany. Interference elimination. 1,687,295; Oct. 9.
- Hubron Company, The. (See Brown, Hugh S., assignor.)
- Hucks, Ivey O., Rosemary, N. C., assignor to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,691,884; Nov. 13.
- Hudd, Alfred E., Wallasey, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Electromagnetic relay device. 1,689,946; Oct. 30.
- Hudd, Alfred E., and P. N. Roseby, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Impedance bond for railway signaling systems. 1,657,675; Jan. 31.
- Huddleston, Robert M., San Francisco, Calif. Can-feeding machine. 1,696,715; Dec. 25.
- Hudnut, Richard. (See Pfeiffer, Charles L., assignor.)
- Hudson, Adelord, Grant Town, W. Va. Water pump. 1,669,756; May 15.
- Hudson, Albert E. (See Richardson, J. H., and Hudson.)
- Hudson, Alden, Green Bay, Wis. Pattern elimination for molds. 1,658,084; Feb. 7.
- Hudson Brass Works, Inc. (See Scheidacker, Haus T., assignor.)
- Hudson, Claude S., Trenton, N. J., assignor to Standard Development Company. Deodorizing isopropyl alcohol. 1,657,505; Jan. 31.
- Hudson Coal Company, The. (See Cook, Thomas R., assignor.)
- Hudson Coal Company, The. (See Repko, John S., assignor.)
- Hudson, David W., Green Bay, Wis. Napkin and the like. 1,658,085; Feb. 7.
- Hudson, David W., Green Bay, Wis. Paper-perforating mechanism. 1,690,410; Nov. 6.
- Hudson, David W., Green Bay, Wis. Creping of paper. 1,690,411; Nov. 6.
- Hudson, Edward S., Cedarville, Mich. Windshield heater. 1,659,487; Feb. 14.
- Hudson, Elvard F., Wichita, Kans. Thermostatic carburetor control. 1,662,778; Mar. 13.
- Hudson Heating Systems, Inc. (See Hudson, Walter E., assignor.)
- Hudson Heating Systems, Inc. (See Shriner, Robert L., assignor.)
- Hudson, Ida G., Oklahoma City, Okla. Undergarment construction. 1,664,214; Mar. 27.
- Hudson, James E., Galva, Ill. Paper holder. 1,663,305; Mar. 20.
- Hudson Motor Car Company. (See Fekete, Stephen I., assignor.)
- Hudson Motor Car Company. (See Fekete, S. I., and Toncray, assignors.)
- Hudson Motor Car Company. (See Groehn, Otto J., assignor.)
- Hudson Motor Car Company. (See Rumely, Vincent P., assignor.)
- Hudson Motor Car Company. (See Ruppel, Frederick C., assignor.)
- Hudson Motor Car Company. (See Toncray, Millard H., assignor.)
- Hudson & Sharp Machine Company. (See Campbell, Samuel J., assignor.)
- Hudson, Walter, assignor to The Burdick Corporation, Milton, Wis. Light-therapy appliance. 1,660,794; Feb. 28.
- Hudson, Walter E., Amaganset, assignor to Hudson Heating Systems, Inc., New York, N. Y. Heating unit. 1,694,178; Dec. 4.
- Hudson, William E. (See Dean, R. S., and Hudson.)
- Hudson, William E., et al. (See Dean, R. S., and Hudson.)
- Hudson, William F., Philadelphia, Pa. Baby-development device. 1,656,637; Jan. 17.
- Hudson, William L., Syracuse, N. Y. Radiocondenser. 1,664,685; Apr. 3.
- Hueber, Henry. (See Oishel, J. R., and Hueber.)
- Huebner, Arthur F., Bay City, Mich. Baseboard construction. 1,674,725; June 26.
- Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
- Huebner, Irwin, Allentown, Pa. Automobile radiator cap. Des. 75,976; Aug. 7.
- Huebner, William C., Buffalo, N. Y. Plantographic-printing element and making same. 1,669,416; May 15.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Precision adjusting and registering mechanism for photographic-printing and other machines. 1,668,592; May 8.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Vacuum pressure device and mask. 1,675,492; July 3.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Holding and supporting device for printing or print-receiving elements or the like. 1,675,493; July 3.
- Huefner, Joseph, Buffalo, N. Y., assignor to City Dairies Company, St. Louis, Mo. Advertising signs. Des. 76,929; Nov. 20.
- Hueller, Walter, West New York, N. J. Image reflector for vehicles. 1,676,901; July 10.
- Huelsdonk, William A., Merced Falls, Calif. Concentrator. 1,679,035; July 31.
- Huenefeld, Carl H., and G. Campbell, Aurora, Nebr., assignors of two-thirds to said Huenefeld and one-third to said Campbell. Machine for digging pit silos and cisterns. 1,691,809; Nov. 13.
- Huenefeld, Walter E., Cincinnati, Ohio. Stovepipe. 1,664,885; Apr. 3.
- Huenerkopf, Henry. (See Wilson, C. E., and Huenerkopf.)
- Huessener, Julie, executrix. (See Huessener, Kurt.)
- Huessener, Kurt, deceased, Pittsburgh, Pa.; J. Huessener, executrix. Regulation of flow of fluids. 1,673,872; June 19.
- Huestis, Thomas B., assignor to National India Rubber Company, Bristol, R. I. Coating machine. 1,688,632; Oct. 23.
- Huestis, Thomas B., assignor to National India Rubber Company, Bristol, R. I. Making shoe soles. 1,690,115; Nov. 6.
- Hueter, Wilhelmina, San Francisco, Calif. Card-table extension. 1,655,607; Jan. 10.
- Huetten, Peter E., assignor to Simmons Company, Kenosha, Wis. Framing for metal furniture. 1,694,656; Dec. 11.
- Huetting, Arno R., Erie, Pa., assignor to The American Meter Company, Incorporated, New York, N. Y. Gas meter. 1,668,078; May 1.
- Huetting, Arno R., Stratford, Conn., assignor to American Meter Company, Incorporated, New York, N. Y. Gas meter. 1,676,651; July 10.
- Huey, Helen T., Stonehurst, Pa. Window-curtain guard. 1,696,089; Dec. 18.
- Hufbuechdruckerei Von C. Dunnhaupt G. m. b. H. (See Lingner, Carl, assignor.)
- Huff, Albert. (See Hanna, W. C., and Huff.)
- Huff, Edward S., Miami, Fla. Automobile starter. 1,658,721; Feb. 7.
- Huff, Frank, St. Louis, Mo. Straightening machine. 1,656,376; Jan. 17.
- Huff, Hulah U. (See Turner, G. P., and Huff.)
- Huff, Leslie R., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,677,717; July 17.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Pipe joint. 1,665,208; Apr. 10.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Safety or automatic release valve. 1,679,218; July 31.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Multiorifice valve. 1,679,219; July 31.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Treating residual oils. 1,683,826; Sept. 11.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for converting hydrocarbons. 1,685,488; Sept. 25.
- Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Pressure-feeding apparatus. 1,688,812; Oct. 23.
- Huff, William D., Lafayette, La., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Machine for oiling or painting exposed railroad structures. 1,658,086; Feb. 7.
- Hufine, J. I., et al., joint trustees. (See Beardslee, Francis C., assignor.)
- Huffman, Charles E. (See Weeks, P. T., and Huffman.)
- Huffman, Louis, Toronto, Ontario, Canada, assignor to Schlage Lock Company, San Francisco, Calif. Knob lock. Re17,084; Sept. 18.

- Huffman Manufacturing Company, The. (See Hughes, Robert D., assignor.)
- Huffmann, George, assignor to The Koppers Company, Pittsburgh, Pa. Coke-oven valve construction. 1,656,355; Jan. 17.
- Hufford, Harry J., Scranton, Pa. Thread cleaner. 1,676,187; July 3.
- Huford, Raymond, New York, and H. G. Adler, Brooklyn, assignors to K. P. Products Co. Inc., New York, N. Y. Governor for internal-combustion engines. 1,670,357; May 22.
- Huft, John M., Tuscon, Ariz. Rail joint. 1,678,391; July 24.
- Hug, Christian J., Highland, Ill. Vehicle wheel. 1,673,147; June 12.
- Hugentobler, Ulrich, Union City, assignor to Charles Comora Embroidery Company, Inc., Weehawken, N. J. Lace medallion. Des. 76754; Oct. 30.
- Hugershoff, Reinhard, Dresden, Germany. Device for copying from pairs of photographs. 1,673,680; June 12.
- Hugershoff, Reinhard, Dresden, Germany. Stereoscopic measuring instrument. 1,679,661; Aug. 7.
- Huggins, Merion J., Upper Saddle River, N. J., assignor to Auto-Meter Co. Inc., New York, N. Y. Bourdon pressure gauge. 1,668,770; May 8.
- Hughes, Alfred L., Colorado Springs, Colo. Automatic vehicle gate. 1,677,345; July 17.
- Hughes, Arthur S., and E. Heden, assignors to The Hughes-Keenan Company, Mansfield, Ohio. Folding chair. 1,672,810; June 5.
- Hughes, Arthur S., assignor seven-twentieths to Dr. J. B. Benton, Minden, La. Rail adjuster. 1,690,012; Oct. 30.
- Hughes, Charles B., Cherrydale, Va. Truck-body mounting. 1,667,204; Apr. 24.
- Hughes, Charles H., assignor of one-half to H. C. Denny, Denver, Colo. Automobile spring snubber. 1,683,075; Sept. 4.
- Hughes, Charles L., Hamilton, Ontario, Canada. Window fastener. 1,664,820; Apr. 3.
- Hughes, Claude W., Odessa, Tex. Pumping mechanism. 1,692,304; Nov. 20.
- Hughes, Darius P., and P. E. Martin, Lincoln, Nebr. Dirigible headlight. 1,656,561; Jan. 17.
- Hughes, David M., Los Angeles, Calif. Internal-combustion engine. 1,657,399; Jan. 24.
- Hughes, David W. (See Ungerer, H. L., and Hughes.)
- Hughes, Francis P., assignor to Munchen, Hughes & Company, Philadelphia, Pa. Cigarette case. 1,672,032; June 5.
- Hughes, Grant, Warwick, Alberta, Canada. String-tensioning device for violins. 1,660,267; Feb. 21.
- Hughes, Henry L., Co. Inc. (See Goldman, Ralph H., assignor.)
- Hughes, Henry L., Co. Inc. (See Sherman, William T., assignor.)
- Hughes, Howard R., jr., Houston, Tex. Shock absorber. 1,664,510; Apr. 3.
- Hughes, Hugh R., assignor of one-fourth to D. R. Frost, one-fourth to H. A. Mutch, and one-fourth to H. J. Papineau, Kellogg, Idaho. Tire-deflation signal. 1,685,325; Sept. 25.
- Hughes, James R., and W. H. Weber, assignors to The Studebaker Corporation, South Bend, Ind. Radiator cap. Des. 76,242; Sept. 4.
- Hughes, James W., Philadelphia, Pa. Cap nut. 1,684,096; Sept. 11.
- Hughes, Jesse W. (See Bunker, Frank S., assignor.)
- Hughes, Joel D., Roseberry, Idaho. Railway track. 1,696,633; Dec. 25.
- Hughes-Keenan Company, The. (See Heden, Elmer, assignor.)
- Hughes-Keenan Company, The. (See Hollnagel, Theodore C., assignor.)
- Hughes-Keenan Company, The. (See Hughes, A. S., and Heden, assignors.)
- Hughes, Lank, Washington, D. C. Wire stretcher. 1,657,859; Jan. 31.
- Hughes, Lawrence D., Lawndale, Calif. Observation cage. Des. 75,118; May 8.
- Hughes, Merrill H. (See Unglesby, Lewis H., assignor.)
- Hughes, Patrick W., Charleston, W. Va. Wall bracket. 1,686,972; Oct. 9.
- Hughes, Robert D., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Measuring can. 1,664,560; Apr. 3.
- Hughes, Thomas J., Pottsville, Pa. Sprocket chain. 1,667,259; Apr. 24.
- Hughes Tool Company. (See MacDonald, Archie A., assignor.)
- Hughes Tool Company. (See Scott, Floyd L., assignor.)
- Hughes Tool Company. (See Scott, F. L., and Neuhaus, assignors.)
- Hughes Tool Company. (See Scott, F. L., and Wellensiek, assignors.)
- Hughes Tool Company. (See Wellensiek, Louis H., assignor.)
- Hughes, Victor. (See Short, C. R., and Hughes.)
- Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Spring construction. 1,668,719; May 8.
- Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Brake-pedal construction. 1,672,220; June 5.
- Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Making drag links. 1,683,035; Sept. 4.
- Hughes, Victor, assignor to General Motors Research Corporation, Detroit, Mich. Speedometer drive. 1,683,036; Sept. 4.
- Hughes, Walter D., Santa Rosa, Calif. Tool for repairing starter mechanisms. 1,689,074; Oct. 23.
- Hughes, Walter J., Fort Wayne, Ind., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Strainer head for filtering purposes. 1,668,205; May 1.
- Hughes, Walter J., Fort Wayne, Ind., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Filter and water-softening apparatus of the filter type. 1,668,206; May 1.
- Hughes, Walter J., Fort Wayne, Ind., assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Supplying salt solution to a water-softening apparatus using base-exchange silicates as the water-softening agent. 1,668,207; May 1.
- Hughes, Wayne S. (See Coleman, S. P., and Hughes.)
- Hughes, Wayne S., and J. Harrop, Bayton, Tex., assignors to Standard Oil Development Company. Preparation of fuel oil. 1,686,491; Oct. 2.
- Hughes, William, Taunton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. Des. 75,161; May 15.
- Hughes, William, Taunton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-applying device. 1,677,968; July 24.
- Hughes, William J., assignor to Manifold Supplies Company, Brooklyn, N. Y. Marking paper. 1,659,320; Feb. 14.
- Hughey, Irvin M. (See Hughey, V. D., Mullins, and Hughey.)
- Hughey, Richard A., Sprott, Ala. Pipe collar. 1,683,548; Sept. 4.
- Hughey, Virgil D., O. R. Mullins, and I. M. Hughey, Calhoun, Ga. Pan lifter. 1,683,190; Sept. 4.
- Hugoniot, Lucien. (See Bouvier, M. E., and Hugoniot.)
- Huguenin, Albert, Paris, France. Circulation pump of the rotary type. 1,665,097; Apr. 3.
- Huguenin, Albert, Paris, France. Driving axle of the single type comprising loose vehicle wheels mounted upon stationary axles. 1,680,884; Aug. 14.
- Hugues, Louis J. (See Russell, C. H. C., Marcotte, and Hugues.)
- Hugus, James A., Fort Scott, Kans. Saw-filing guide. 1,676,188; July 3.
- Huhn A., Manufacturing Company. (See Huhn, Alex G., assignor.)
- Huhn, Alex G., assignor to A. Huhn Manufacturing Company, Minneapolis, Minn. Apparatus for drying or cooling material. 1,690,013; Oct. 30.
- Hühn, Gustav. (See Bangert, H., and Hühn.)
- Hukill, Henry D. (See Fowler, L. A., and Hukill.)
- Hukill, Henry D., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe construction. 1,690,302; Nov. 6.
- Hulander, Henry N., Brooklyn, N. Y. Sport rider. 1,695,689; Dec. 18.
- Hulbert, William P., Middleburg, Va. Saddle girth. 1,678,514; July 24.
- Hulburt, Harvey L., Monrovia, assignor to Murray California Food Products Inc., Azusa, Calif. Dried marmalade and producing the same. 1,692,040; Nov. 20.
- Hulings, Courtland B. (See Buchanan, G. H., and Hulings.)
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,655,270; Jan. 3.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Regulator. 1,655,389; Jan. 3.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Seal for electric devices. 1,680,738; Aug. 14.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Amplifier. 1,683,134; Sept. 4.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Temperature regulator. 1,694,264; Dec. 4.
- Hull, Albert W., Schenectady, N. Y., and B. W. St. Clair, Lynn, Mass., assignors to General Electric Company. Telemetric system. 1,673,681; June 12.
- Hull, Clifford O. (See Lewis, E. H., and Hull.)
- Hull, Foster J., assignor to Pangborn Corporation, Hagerstown, Md. Sand-blast-abrasive reclaiming chute. 1,675,707; July 3.
- Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Grate construction for the ice compartments of refrigerator cars. 1,690,412; Nov. 6.
- Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Refrigerator car. 1,693,815; Dec. 4.
- Hull, Harry B. (See King, J. G., and Hull.)
- Hull, Harry B., assignor to Delco-Light Company, Dayton, Ohio. Refrigerator cabinet. 1,668,646; May 8.
- Hull, John E., Providence, R. I. Wrench for vertical twister travelers. 1,665,926; Apr. 10.
- Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Automatic control of dynamo-electric machines. 1,687,564; Oct. 16.
- Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Speed-control and frequency-converter set. 1,693,296; Nov. 27.

- Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Speed-control system. 1,694,321; Dec. 4.
- Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Speed-control system. 1,694,322; Dec. 4.
- Hull, Lewis M., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electrical amplifier circuit. 1,667,710; Apr. 24.
- Hull, Lewis M., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Amplifier circuit. 1,668,151; May 1.
- Hull, Lewis M., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Electrical amplifier circuit. 1,672,811; June 5.
- Hull, Lewis M., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Adjusting audion circuits. 1,676,145; July 3.
- Hull, Lewis M., Boonton, N. J., assignor to Radio Frequency Laboratories, Incorporated, Boston, Mass. Vacuum-tube circuits. 1,677,090; July 10.
- Hull, Luther J., Seattle, Wash. Hydraulic resistance control apparatus. 1,679,085; July 31.
- Hull, Luther J., et al. (See Mulligan, Paul C., assignor.)
- Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Automobile top. 1,658,123; Feb. 7.
- Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Ferrule pin. 1,658,124; Feb. 7.
- Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Deck frame for automobile tops. 1,681,479; Aug. 21.
- Hull, Samuel P., Yonkers, J. J. Corcoran, Albany, and E. A. Everett, New York, N. Y. Lock for interlocking levers. 1,680,617; Aug. 14.
- Hull, Wade, Great Falls, Mont. Harp. 1,692,123; Nov. 20.
- Hull, Walter E., Sharpville, Pa. Electrical measuring instrument. 1,656,116; Jan. 10.
- Hull, William J., Dublin, Ind. Stovepipe ventilator. 1,693,507; Nov. 27.
- Hulme, George, Detroit, Mich. Signal device. 1,678,470; July 24.
- Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Cooling apparatus. 1,654,544; Jan. 3.
- Hulse, James E., assignor of one-sixth to J. H. Nelms, one-sixth to A. H. Taylor, and one-sixth to R. C. Parham, Oxford, N. C. Rotary valve mechanism. 1,660,166; Feb. 21.
- Hulse, James V., Geneva, N. Y. Grinding. 1,655,099; Jan. 3.
- Hulse, Oscar, Rondebosch, Cape Province, South Africa. Type of railway passenger coach with double decks. 1,673,682; June 12.
- Hulse, Walter, Flournoy, Calif. Road scraper. 1,681,855; Aug. 21.
- Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock-drill oscillating valve. 1,660,509; Feb. 28.
- Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism for rock drills. 1,664,625; Apr. 3.
- Hulshizer, George W., Stewartville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,688,633; Oct. 23.
- Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,689,780; Oct. 30.
- Hulshizer, George W., Stewartville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Percussive tool. 1,692,937; Nov. 27.
- Hulsizer, William T., Clinton, N. J. Hardening castings and appurtenance therefor. 1,673,873; June 19.
- Hulsizer, William T., Clinton, N. J. Tooth for excavating shovels. 1,687,022; Oct. 9.
- Hüllsmeier, Christian, Dusseldorf, Germany. Method of and apparatus for purifying water. 1,683,780; Sept. 11.
- Hult, Oscar W., Stockholm, Sweden. Operating explosive engines. 1,666,384; Apr. 17.
- Hultgren, Christian, parish of Svinhult, Sweden. Tone post. 1,684,492; Sept. 18.
- Hultman, Edgar W., Los Angeles, Calif. Carbon-monoxide-testing means and methods. 1,684,587; Sept. 18.
- Hultman, George H. (See Wappler, F. H., Hultman, and Payer.)
- Hults, Eugene A., Saltville, Va. Drier. 1,685,026; Sept. 18.
- Humason, Granville A., and W. L. Childs; said Childs assignor to Reed Roller Bit Company, Houston, and said Humason assignor to J. A. Logan, Harris County, Tex. Pump. 1,676,391; July 10.
- Humason, Granville A., and W. L. Childs; said Childs assignor to Reed Roller Bit Company, Houston, and said Humason assignor to J. A. Logan, Harris County, Tex. Attachment for pumps. 1,679,608; Aug. 7.
- Humason, Granville A., Houston, Tex. Swab. 1,695,494; Dec. 18.
- Humberger, Gill, et al. (See Kirtlan, Clarence D., assignor.)
- Humberger, John, et al. (See Kirtlan, Clarence D., assignor.)
- Humberger, Lester, et al. (See Kirtlan, Clarence D., assignor.)
- Humble Oil & Refining Company. (See Nixon, Jeddy D., assignor.)
- Hume, David. (See Durham, J. E., jr., and Hume.)
- Hume, Fred, assignor to International Shoe Company, St. Louis, Mo. Machine for use in the manufacture of shoes. 1,693,276; Nov. 27.
- Hume, James H., Glasgow, Scotland. Air heater. 1,686,614; Oct. 9.
- Hume, James H., Glasgow, Scotland. Steam-generating plant. 1,692,660; Nov. 20.
- Hume, John T., assignor, by mesne assignments, to Electric Household Utilities Corporation, Chicago, Ill. Power-operated clothes wringer. 1,677,863; July 17.
- Hume, Walter R., Melbourne, Victoria, Australia. Vehicle for transporting pipes and other loads. 1,662,923; Mar. 20.
- Hume, Walter R., Melbourne, Victoria, Australia. Method and apparatus for making concrete pipes. 1,672,941; June 12.
- Hume, Walter R., Melbourne, Australia. Automatic control device for electric-arc welding apparatus. 1,690,489; Nov. 6.
- Humeston, Frederick L., assignor to Winchester Repeating Arms Company, New Haven, Conn. Hand lamp. 1,659,568; Feb. 21.
- Humeston, Frederick L., assignor to Winchester Repeating Arms Company, New Haven, Conn. Flash light. 1,659,569; Feb. 21.
- Humfrey, John C. W., assignor, by mesne assignments, to The Humfrey-Sandberg Co., Ltd., London, England. Free-wheel ratchet device. 1,670,197; May 15.
- Humfrey-Sandberg Co., The. (See Humfrey, John C. W., assignor.)
- Humiston, John M. (See Genung, Gilbert, assignor.)
- Hummel, Anton, St. Louis, Mo. Oculist's instrument. 1,655,700; Jan. 10.
- Hummel & Downing Co. (See Ratcliff, Arthur, assignor.)
- Hummel, Frederick E. (See Noeth, J. J., and Hummel.)
- Hummel, Frederick E., Hopewell, Va. Barking apparatus. 1,670,723; May 22.
- Hummer, Charles L., Newark, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-car coil heater. 1,685,131; Sept. 25.
- Hummerich, Elton E., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Feet for sanding machines. 1,692,898; Nov. 27.
- Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Radiator cap. Des. 75,847; July 24.
- Hump Hairpin Manufacturing Company, The. (See Willi, Frederick D., assignor.)
- Humperdinck, Carl, Wetzlar-Lahn, Germany. Production of hollow bodies by centrifugal casting. 1,663,318; May 1.
- Humphrey, A. B., Co. (See Greene, Fred E., assignor.)
- Humphrey, Aloysius R., assignor of one-third to L. J. Albrecht, Cleveland, Ohio. Clamp for brake lining. 1,672,492; June 5.
- Humphrey, Andrew, Glenlyon, Pa. Attachment for sound-reproducing machines. 1,678,568; July 24.
- Humphrey, Clayton W., Unionville, Conn. Jointed rule. 1,664,886; Apr. 3.
- Humphrey, Clen S., Brooklyn, N. Y. Cooking, freezing, and storing receptacles. 1,666,012; Apr. 10.
- Humphrey, Clen S., Brooklyn, N. Y. Powder box. 1,680,150; Aug. 7.
- Humphrey Company, The. (See Scott, Dudley H., assignor.)
- Humphrey, Emily G., San Francisco, Calif. Napkin support. 1,669,983; May 15.
- Humphrey, Emma W. D., et al., administrators. (See Alexander, Charles A., assignor.)
- Humphrey, Ernest N., New Britain, Conn., assignor to United Royalties Corporation, New York, N. Y. Beater-blade support. 1,676,189; July 3.
- Humphrey, Herbert S., assignor to Ruud Manufacturing Company, Kalamazoo, Mich. Combined drain cock and relief valve. 1,684,097; Sept. 11.
- Humphrey, Herbert S., Kalamazoo, Mich. Power lawn mower. 1,692,833; Nov. 27.
- Humphrey, Herbert S., Kalamazoo, Mich., assignor to Ruud Manufacturing Company, Pittsburgh, Pa. Water heater. 1,692,839; Nov. 27.
- Humphrey, Homer D., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,671,643; May 29.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Making dipolymer. 1,691,065; Nov. 13.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Dehydration products of pine oil and producing same. 1,691,066; Nov. 13.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Making dipolymer. 1,691,067; Nov. 13.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Making dipolymer. 1,691,068; Nov. 13.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Making dipolymer. 1,691,069; Nov. 13.
- Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Making dipolymer. 1,691,573; Nov. 13.

- Humphrey, Raymond L., Los Angeles, Calif. Template for doors and windows. 1,664,076; Mar. 27.
- Humphrey, Reginald E., Swanton, Vt. Radio receiving apparatus. 1,696,437; Dec. 25.
- Humphrey, Ronnie D., Bishopville, S. C. Insect guard for furniture. 1,684,279; Sept. 11.
- Humphreys, Eric J., Lancaster, Pa., assignor to Armstrong Cork Company. Linoleum or similar hard-surfaced floor covering. Des. 76,395; Sept. 25.
- Humphreys, Hugh, assignor to Oliver Machinery Company, Grand Rapids, Mich. Tool rest. 1,670,540; May 22.
- Humphreys, Ira B., Denver, Colo. Air vehicle. 1,688,186; Oct. 16.
- Humphreys, Lida, Butte, Mont. Flying ball. 1,670,810; May 22.
- Humphreys, Omar R. and W. G., Omaha, Nebr. Clutch. 1,674,011; June 19.
- Humphreys, Walter G. (See Humphreys, Omar R. and W. G.)
- Humphreys, Walter G., Omaha, Nebr. Variable-speed mechanism. 1,684,705; Sept. 18.
- Hunau, Adolph, and P. Hammalian, assignors to H. & H. Calculating Corporation, New York, N. Y. Calculator. 1,687,130; Oct. 9.
- Huncker, Karl, Chicago, Ill. Electrical connection. 1,686,276; Oct. 2.
- Hund, August, Bethesda, Md., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric-crystal oscillator system. 1,688,713; Oct. 23.
- Hund, August, Bethesda, Md., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric-crystal apparatus. 1,688,714; Oct. 23.
- Hundemer, Walter F., Alameda, assignor to Gat Gun Lubricating Corporation, Oakland, Calif. Booster grease gun and greasing bearings. 1,696,606; Dec. 25.
- Hundley, George K., Beckley, W. Va., assignor of one-half to J. Hundley, Noblesville, Ind. Automobile combination signal and dimming lamp. 1,688,497; Oct. 23.
- Hundley, James. (See Hundley, George K., assignor.)
- Hünemann, Peter A., assignor to the firm Jaroslaw's Erste Glimmerwarenfabrik in Berlin, Berlin-Weissenau, Germany. Insulating tube. 1,667,035; Apr. 24.
- Hungerford, Oliver T., Belleville, N. J. Packing material. 1,681,540; Aug. 21.
- Hungerford, Warren H., Chicago, Ill. Biscuit-facing machine. 1,669,087; May 8.
- Hunker, Martin L. (See Wendle, V. P., and Hunker.)
- Hünnebeck, Emil M., Hesel, Germany. Self-contained latticework. 1,678,435; July 24.
- Hunneman, Roger D., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Continuous distillation of hydrocarbon oils. 1,667,611; July 10.
- Hunneman, Roger D., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Distilling hydrocarbon oils. 1,676,609; July 10.
- Hunsberger, Johnson N., jr. (See Grinditch, W. H., and Hunsberger.)
- Hunt, Albert L., and J. L. Naujock, Milwaukee, Wis. Automatic reversing mechanism. 1,661,756; Mar. 6.
- Hunt, Andrew M., New York, N. Y., assignor to Standard Stoker Company, Incorporated. Stoker construction. 1,690,116; Nov. 6.
- Hunt, Andrew M., New York, N. Y., assignor to Standard Stoker Company, Incorporated. Stoker. 1,690,582; Nov. 6.
- Hunt, Arthur W., Kansas City, Mo. Furnace-door opener. 1,694,686; Dec. 11.
- Hunt, Chester, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,673,826; June 19.
- Hunt, Chester, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for applying adhesive strips to soles. 1,687,565; Oct. 16.
- Hunt, Clarence, Churdan, Iowa. End-gate fastener. 1,681,856; Aug. 21.
- Hunt, Ernest M., Quincy, Mass. Electrical connecting device. 1,672,682; June 5.
- Hunt, Fay, New York, N. Y. Derrick. 1,666,857; Apr. 17.
- Hunt, Francis H., and F. N. Ropp, assignors, by mesne assignments, to Raymond Concrete Pile Company, Los Angeles, Calif. Apparatus for forming molds for columns with bases. 1,665,365; Apr. 10.
- Hunt, Franklin L., and K. H. Beif, Washington, D. C. Liquid level. 1,674,550; June 19.
- Hunt, Franklin L., and A. H. Mears, Washington, D. C. Combined statoscope and rate-of-climb indicator. 1,664,417; Apr. 3.
- Hunt, Franklin L., and R. C. Sylvander, Washington, D. C. Aircraft ground-speed indicator. 1,664,454; Apr. 3.
- Hunt, George. (See Henry, G. P., and Hunt.)
- Hunt, George S., Pasadena, Calif. Combined switch plate and switch-operating element. Des. 74,373; Feb. 7.
- Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
- Hunt, Henry E., Toronto, Ontario, Canada. Ruler. 1,676,951; July 10.
- Hunt, J. Harold, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Hub construction for vehicle wheels. 1,656,201; Jan. 17.
- Hunt, J. Harold, assignor to Budd Wheel Company, Philadelphia, Pa. Heavy-duty disk-wheel structure. 1,666,703; Apr. 17.
- Hunt, John H., Detroit, Mich., assignor to General Motors Research Corporation, Dayton, Ohio. Ignition system. Re17,074; Sept. 4.
- Hunt, John H., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Fuel burner. 1,671,031; May 22.
- Hunt, John H., Detroit, Mich., assignor to Delco-Remy Corporation, Dayton, Ohio. Lighting and ignition system. 1,693,985; Dec. 4.
- Hunt, John O., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Towel dispenser. 1,665,628; Apr. 10.
- Hunt, John O., Brooklyn, N. Y., and G. H. North, Cranston, R. I., assignors to Independent Paper Mills, Inc., Brooklyn, N. Y. Dispenser for paper napkins and like articles. 1,679,904; Aug. 7.
- Hunt, Leigh, assignor to Oro-Tone Company, Chicago, Ill. Sound-control construction. 1,687,566; Oct. 16.
- Hunt, Lloyd F., Los Angeles, Calif., assignor to Westinghouse Electric & Manufacturing Company. Annunciator relay. 1,664,215; Mar. 27.
- Hunt, Ormond E., assignor to General Motors Corporation, Detroit, Mich. Tire carrier. 1,679,972; Aug. 7.
- Hunt, Ormond E., and A. G. Geistert, assignors to General Motors Corporation, Detroit, Mich. Automobile chassis. 1,662,515; Mar. 13.
- Hunt, Senate G. (See Thaxton, Thomas W., assignor.)
- Hunt, Sylvester H., assignor to Farmers Manufacturing Company, Norfolk, Va. Hammer handle. 1,673,076; June 12.
- Hunt, William C., Toronto, Ontario, Canada. Electric heater. 1,661,222; Mar. 6.
- Hunt, William F., New Brighton, N. Y., assignor to The Oxweld Railroad Service Company. Outdoor lamp. 1,666,209; Apr. 17.
- Hunt, William H., National City, Calif. Can opening and sealing device. 1,689,344; Oct. 30.
- Hunt, William V., North Vancouver, British Columbia, Canada. Perforated-paper-roll holder. 1,661,896; Mar. 6.
- Hunt, Wilson P., assignor to Moline Tool Company, Moline, Ill. Multiple-spindle drill. 1,672,812; June 5.
- Hunter, Felix, Hillside, N. J., assignor to American Can Company, New York, N. Y. Double-seaming machine. 1,663,842; Mar. 27.
- Hunter, Charles G., Lawrence, Ind. Wire-twisting tool. 1,657,085; Jan. 24.
- Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Card-index system. 1,668,908; May 8.
- Hunter, David E., assignor to Shaw-Walker Company, Muskegon, Mich. Heat-resisting filing device. 1,678,471; July 24.
- Hunter, E. J., et al. (See Culver, Thomas R., assignor.)
- Hunter, Edgar K., assignor to J. R. C. August, London, England. Automatic-focusing optical projection apparatus. 1,677,778; July 17.
- Hunter, Gaius C., Buffalo, N. Y. Figure wheeled toy. 1,680,991; Aug. 14.
- Hunter, Henry P., Anderson, S. C. Warp stop motion. 1,669,244; May 8.
- Hunter, Hugh L., assignor to Uhlemann Optical Co., Chicago, Ill. Teplomometer. 1,656,438; Jan. 17.
- Hunter, James W., Mobile, Ala. Knockdown receptacle. 1,669,300; May 8.
- Hunter, John. (See McGougan, J., and Hunter.)
- Hunter, John R., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tapered plug for circular mandrels. 1,676,829; July 10.
- Hunter, Joseph H., assignor to Detroit Insulated Wire Company, Detroit, Mich. Flexible robe rail. 1,664,418; Apr. 3.
- Hunter, Joseph H., assignor to Detroit Insulated Wire Company, Detroit, Mich. Junction fitting for metallic armored electrical conductors. 1,664,686; Apr. 3.
- Hunter, Percy, E., Pittsburgh, Pa., assignor of one-half to B. West, Weirton, W. Va. Tinning pot. 1,685,162; Sept. 25.
- Hunter, Richard B., Shorewood, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. 1,658,242; Feb. 7.
- Hunter, Richard B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Theater dimmer and the like. 1,669,521; May 15.
- Hunter, Richard B., and C. T. Evans, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Method of and apparatus for control of electrical conditions of circuits. 1,682,566; Aug. 28.
- Hunter, Rufus C., Graham, N. C., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,687,477; Oct. 9.
- Hunter, Samuel R., Mishawaka, and J. W. Arnold, South Bend, Ind. Box for mail and the like. 1,689,204; Oct. 30.
- Hunter, William C. (See Doolittle, R. L., and Hunter.)
- Hunter, William N., Blanchester, Ohio. Fastener. 1,665,303; Apr. 10.
- Hunter, William N., Blanchester, Ohio. Combined hand bag and grip. 1,666,704; Apr. 17.
- Huntington Auto Supply Company, The. (See Adkins, Elba O., assignor.)
- Huntington, Edward E., assignor to The Willys-Overland Company, Toledo, Ohio. Dash light. 1,685,421; Sept. 25.

- Huntington, Edward E., assignor to The Willys-Overland Company, Toledo, Ohio. Lighting system for automobiles. 1,686,859; Oct. 9.
- Huntington, Everett S., and A. O. Higinbotham, assignors to General Utilities Company, Denver, Colo. Oil burner. 1,656,486; Jan. 17.
- Huntington, Herbert, Hartford, Conn., assignor to American Telephone and Telegraph Company. Test clip. 1,685,847; Oct. 2.
- Huntington, Willis G. (See Roberts, F. B., and Huntington.)
- Huntley, Burton L., assignor, by mesne assignments, to Speedpak Dispenser Corporation, Minneapolis, Minn. Ice-cream-carton filler. 1,676,952; July 10.
- Huntley, Burton L., assignor to Speedpak Dispenser Corporation, Minneapolis, Minn. Carton. 1,695,104; Dec. 11.
- Huntley, George J., Baltimore, Md., assignor, by mesne assignments, to Crown Cork & Seal Company, Inc., New York, N. Y. Liquid gauge. 1,683,191; Sept. 4.
- Huntley, George J., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Filling and crowning machine. 1,691,718; Nov. 13.
- Huntley Manufacturing Co. (See Howson, Charles T., assignor.)
- Huntley Manufacturing Co. (See Morse, Theodore F., assignor.)
- Huntley, Philip C. (See Carpenter, A. H., and Huntley.)
- Huntley, Walter E. (See Bertram, Bellon, assignor.)
- Huntton, Harry A., La Grange, Ill., assignor to International Harvester Company. Load lifting and transporting device. 1,667,382; Apr. 24.
- Huntsman, Francis D., Salt Lake City, Utah. Welding mask. 1,658,335; Feb. 7.
- Hunzelman, John E., Somerville, assignor to Wm. F. Schrafft & Sons Corp., Boston, Mass. Shipping case. 1,664,477; Apr. 3.
- Huot, Elzlie. (See Larrigan, Thomas, assignor.)
- Huovinen, Gottfried, Palisades Park, N. J. Building construction and block. 1,657,441; Jan. 24.
- Hupp, Charles C., Doe Run, Mo. Metallic inner tube. 1,670,260; May 15.
- Hupp, Lonzo R., Urbana, Ohio. Planter. 1,664,925; Apr. 3.
- Hupp Motor Car Corporation. (See MacPherson, Earle S., assignor.)
- Hupp Motor Car Corporation. (See Ornberg, Ivan, assignor.)
- Hupp Motor Car Corporation. (See Punke, John J., assignor.)
- Hupp Motor Car Corporation. (See Watts, Frank B., assignor.)
- Huppert, William, New York, N. Y. Electrical socket. Des. 76,871; Nov. 13.
- Hurd, Edwin P., Detroit, Mich. Tire-chain lock. 1,689,437; Oct. 30.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 1,656,275; Jan. 17.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Hospital latch. 1,687,248; Oct. 9.
- Hurd, William R., 2d, Beverly, Mass., assignor to United Shoe Machinery Corporation, Peterson, N. J. Die grinding. 1,654,973; Jan. 3.
- Hurdle, Joseph H., Mebane, N. C. Mixer. 1,686,135; Oct. 2.
- Hureson, Harry. (See Lindner, Theodor, assignor.)
- Hurka, Frank, New York, N. Y. Garden implement. 1,662,673; Mar. 13.
- Hurka, Frank, Ballston Spa, N. Y. Garden implement. 1,662,674; Mar. 13.
- Huribrink, Ernst, assignor to Martini & Huneke Maschinenbau Aktien-Gesellschaft, Berlin, Germany. Apparatus for dispensing liquids. 1,691,070; Nov. 13.
- Hurlburt, Dane, Cannes, France. Parachute. 1,685,422; Sept. 25.
- Hurlburt, Lee R., assignor to Pennsylvania Rubber Company, Jeannette, Pa. Making tennis balls. 1,685,423; Sept. 25.
- Hurlbut, Ira E., Prairie du Chien, Wis. Core member for casting printing plates. 1,683,356; Sept. 4.
- Hurley, Albert B., New York, N. Y., assignor to Hurley Playing Card Company, Rutherford, N. J. Eye protection and means for practicing same. 1,659,734; Feb. 21.
- Hurley, Albert B., New York, N. Y., assignor to Hurley Playing Card Company, Carlstadt, N. J. Preventing eye fatigue. 1,659,952; Feb. 21.
- Hurley, Edward F. (See Kyle, E. M., and Hurley.)
- Hurley, Edward T., Cincinnati, Ohio. Artistic bronze candlestick or similar article. Des. 76,687; Oct. 23.
- Hurley, Edward T., Cincinnati, Ohio. Bowl or similar article. Des. 77,317; Dec. 25.
- Hurley Playing Card Company. (See Hurley, Albert B., assignor.)
- Hurley, William M., Brockton, Mass. Shoe and arch support therefor. 1,691,974; Nov. 20.
- Hurlimann, Rudolf, St. Gallen, Switzerland. Switch arrangement for electric-light installations and the like. 1,692,124; Nov. 20.
- Hurrell, Guy C., Blackheath, London, England. Emulsification apparatus. 1,685,424; Sept. 25.
- Hursh, Eva Z., Detroit, Mich. Combination trunk. 1,694,470; Dec. 11.
- Hursh, Henry B., C. J. Anderson, and W. M. Bartels, Syracuse, N. Y. Bench leg. 1,678,392; July 24.
- Hurst, Alexander. (See Steere, G. R., and Hurst.)
- Hurst, James, San Francisco, Calif. Control device. 1,675,270; June 26.
- Hurst, William, Winnipeg, Manitoba, Canada. Electric heater. 1,692,741; Nov. 20.
- Hurster, William, Richmond Hill, N. Y., assignor to The Ovalite Company, Incorporated. Lamp base or article of similar nature. Des. 74,886; Apr. 10.
- Hurt, Samuel N., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,663,936; Mar. 27.
- Hurt, Samuel N., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,686,750; Oct. 9.
- Hurt, Samuel N., assignor to Toledo Scale Company, Toledo, Ohio. Indicating device. 1,689,725; Oct. 30.
- Hurter, Alfred T., London, England. Optical projection apparatus for advertisement purposes. 1,673,512; June 12.
- Hurtst, Spencer M., Philadelphia, and J. C. Nugent, Altoona, Pa., assignors to The Mynol Chemical Company. Dispenser for soap and other materials. 1,673,827; June 19.
- Hurxtbal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Toaster. Des. 77,095; Dec. 4.
- Huse, John O., et al. (See Berg, Alfred J., assignor.)
- Huseby, Edmond A., Chicago, Ill. Control-carrying slide for self-playing musical instruments. 1,676,730; July 10.
- Huseby, Edmond A., Chicago, Ill. Tracker-tube support for player piano. 1,676,781; July 10.
- Huselson, William W., et al. (See Csanyi, Henry, assignor.)
- Huseman, Arthur W. and T. A. Leonard, Chicago, Ill. Coating manufactured products. 1,664,034; Mar. 27.
- Husmann, Harry L., Refrigerator Company. (See Klaus, Charles E., assignor.)
- Huson, George M., Rockford, Ill. Tool chest. 1,661,121; Feb. 28.
- Huss, Jacob, Mendota, Ill. Heel guard and the like. 1,670,575; May 22.
- Hussa, Oscar. (See Kemp, Irving L., assignor.)
- Hussey, Chester L., Oyster Bay, N. Y., and W. H. Stebbins, assignors to J. B. Martin Company, Norwich, Conn. Head motion for looms. 1,691,156; Nov. 13.
- Hussey, Edward K., Oakland, Calif. Hair-curling iron. 1,691,244; Nov. 13.
- Hussey, James H., assignor of one-half to J. Hubbs, Spokane, Wash. Electrical heater. 1,686,860; Oct. 9.
- Hussey, James W., Martinsville, Ind. Keg. 1,667,460; Apr. 24.
- Hussey, Pliny E., Beverly, Mass. Saw guard. 1,687,670; Oct. 16.
- Hussey, Richard B. (See Halvorson, C. A. B., jr., and Hussey.)
- Huston, Roy, Seattle, Wash. Fence-wire spacer and holder. 1,695,149; Dec. 11.
- Hussmann, Harry L., Refrigerator Company. (See Schulde, John, assignor.)
- Hussong Dyeing Machine Company. (See Thompson, James H., assignor.)
- Hustadt, Karl. (See Hustadt, Paul and K.)
- Hustadt, Paul and K., Remscheid-Hasten, Germany. Machine for tempering saw blades, plane knives, and similar tools. 1,662,516; Mar. 13.
- Hustadt, Paul and K., Remscheid-Hasten, Germany. Tempering saw blades, plane knives, and similar tools. 1,662,517; Mar. 13.
- Hustadt, Paul and K., Remscheid-Hasten, Germany. Heating element for tempering machines. 1,669,005; May 8.
- Husted, Harry F., Shavertown, Pa. Condiment holder. 1,659,488; Feb. 14.
- Huster, Herbert H., and J. A. Hess, Philadelphia, Pa. Combined amplifying cabinet and aquarium. Des. 75,248; May 22.
- Huston, Charles L. (See Goodfellow, Alfred, assignor.)
- Huston, Charles L., Coatesville, Pa. Transfer system for heavy metal plates. 1,665,209; Apr. 10.
- Huston, Thomas S., Denver, Colo. Collapsible crate. 1,665,266; Apr. 10.
- Huston, Tom, Columbus, Ga. Display bag. Des. 74,568; Feb. 28.
- Hustwick, Alfred, Los Angeles, Calif. Football game. 1,693,277; Nov. 27.
- Husvar, Vincent, assignor to Scovill Manufacturing Co., Waterbury, Conn. Apparatus for producing cap screws and the like. 1,682,520; Aug. 28.
- Hutchens, Edward, Cudahy, Wis. Washer-placing machine. 1,681,480; Aug. 21.
- Hutchens, Edward, Milwaukee, Wis. Washer-setter spout. 1,693,901; Dec. 4.
- Hutches, Benjamin F., jr., Allendale, N. J. Indicating means. 1,663,661; Mar. 27.
- Hutchings, Le Roi E., Tonawanda, assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Stock-indicating device. 1,694,877; Dec. 11.
- Hutchins Car Roofing Company. (See Haworth, David W., assignor.)
- Hutchins Car Roofing Company. (See Wilson, Alfred R., assignor.)
- Hutchins, Frank E., et al. (See Rosentreter, Albert J., assignor.)
- Hutchins, George F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Equalizer for drop-box looms. 1,668,152; May 1.

- Hutchins, Harry H., New York, N. Y. Comb. 1,665,134; Apr. 3.
- Hutchins, James V. (See Ditter, Frank M., assignor.)
- Hutchins, Junnus W., Wesley, Okla. Chipper attachment for cultivators. 1,674,551; June 19.
- Hutchinson, Charles W., New York, N. Y. Undergarment. 1,661,072; Feb. 28.
- Hutchinson Co. (See Routledge, G., and Norling, assignors.)
- Hutchinson, Ely C. (See Karnasch, L. M., and Hutchinson.)
- Hutchinson, Ely C., Oakland, Calif., assignor to The Pelton Water Wheel Co., San Francisco, Calif. Adjustable seal ring. 1,682,339; Aug. 28.
- Hutchinson, Frank L., Wauwatosa, Wis., assignor to Consolidated Steam Specialty Company. Steam trap. 1,667,935; May 1.
- Hutchinson, George, assignor to Hutchinson Scale Company, Sheboygan, Wis. Weighing mechanism. 1,670,576; May 22.
- Hutchinson, George, assignor to Hutchinson Scale Company, Sheboygan, Wis. Scale. 1,674,971; June 26.
- Hutchinson, George, assignor to Hutchinson Scale Company, Sheboygan, Wis. Weighing mechanism or scale. 1,688,634; Oct. 23.
- Hutchinson, Glen N., Montclair, N. J., and G. S. Carden, assignors to International Time Recording Company of New York, Endicott, N. Y. Nibbling machine. 1,691,928; Nov. 20.
- Hutchinson, Lloyd N., Brooklyn, assignor to Franklin Railway Supply Company, New York, N. Y. Driving-box wedge. 1,670,114; May 15.
- Hutchinson, Mackintosh, Philadelphia, Pa. Woodworking machine. 1,691,519; Nov. 13.
- Hutchinson, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Sound propagation. 1,696,303; Dec. 25.
- Hutchinson, Miller R., Llewellyn Park, West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Multituned horn. 1,696,304; Dec. 25.
- Hutchinson, Miller R., West Orange, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Electromagnetic sounding-board actuator. 1,696,305; Dec. 25.
- Hutchinson, Oliver C. K., assignor to Illinois Glass Company, Alton, Ill. Checking molds designed for the molding of glassware. 1,663,306; Mar. 20.
- Hutchinson, Orrin F. (See Mau, E. A., and Hutchinson.)
- Hutchinson Scale Company. (See Hutchinson, George, assignor.)
- Hutchinson, Warren B., Boonton, N. J. Making match books. 1,671,947; May 29.
- Hutchinson, Warren B., Boonton, N. J. Making match books. 1,671,948; May 29.
- Hutchinson Baking Co. (See Hutchinson, Joseph C., assignor.)
- Hutchinson, Joseph C., assignor to Hutchinson Baking Co., Philadelphia, Pa. Square pie. Des. 75,498; June 12.
- Hutchinson, Miller R., Llewellyn Park, N. J., assignor, by mesne assignments, to Acoustic Products Company, New York, N. Y. Loud-speaker unit. 1,685,086; Sept. 25.
- Hutchison, Stanton J., Anson, Kans. Pipe cutter. 1,671,528; May 29.
- Hutchison, William G., Portsmouth, Ohio. Air circulator for stoves. 1,679,307; July 31.
- Huth, Dr. Erich F., Ges. m. b. H. (See Cohn, Henry, assignor.)
- Huth, Milo E., Alliance, Ohio. Amusement device. 1,665,364; Apr. 10.
- Huthsing, Charles K., St. Louis, Mo. Emergency-fuel-supply device for fuel tanks. 1,671,242; May 29.
- Hutnikow, Theodore, Brooklyn, N. Y., assignor to Voices Incorporated, Newark, N. J. Doll's voice. 1,678,222; July 24.
- Hutnikow, Theodore, Brooklyn, N. Y., assignor to Voices Incorporated, Newark, N. J. Sound-producing device. 1,678,223; July 24.
- Hutsell, Ernest O., assignor of one-half to E. L. Delay, Athens, Tenn. Plow. 1,671,427; May 29.
- Hutt, Arthur C. (See Alley, S. E., and Hutt.)
- Hutt, Joseph, and G. H. Bird, Coventry, England, assignors to General Electric Company. Acoustic device. 1,693,297; Nov. 27.
- Hutt, Leonard P. (See Murphy, E. J., and Hutt.)
- Hutt, Leonard P., Schenectady, N. Y., assignor to General Electric Company. Motor-control mechanism. 1,688,715; Oct. 23.
- Hüttemann, Wilhelm, Cologne, Germany. Door lock. 1,682,521; Aug. 28.
- Huttig Manufacturing Co. (See Brandau, Harold L., assignor.)
- Huttinger, William R., Philadelphia, Pa. High-voltage switch. 1,685,066; Sept. 18.
- Huttinger, William R., Philadelphia, Pa. High-voltage switch. 1,685,067; Sept. 18.
- Huttinger, William R., Philadelphia, Pa. Switch mechanism. 1,685,068; Sept. 18.
- Hutto, Marsden C., Detroit, Mich. Cylinder grinder. 1,667,157; Apr. 24.
- Hutto, Marsden C., Detroit, Mich. Manufacture of abrasive devices. 1,687,770; Oct. 16.
- Hutto, Marsden C., Detroit, Mich. Grinder. 1,689,589; Oct. 30.
- Hutto, Marsden C., Detroit, Mich. Combined abrasive and carrier. 1,692,661; Nov. 20.
- Hutton, Earl S., assignor of one-third to A. H. Pearson, Detroit, Mich. Locking mechanism. 1,680,618; Aug. 14.
- Hutton, Edward S., Muskogee, Okla. Rotary well drill. 1,658,125; Feb. 7.
- Hutton, George F., Stockton, Calif. Hook and rope carrier. 1,659,821; Feb. 21.
- Hutton, James T., Farmington, N. Mex. Chain connector. 1,688,461; Oct. 23.
- Hutton, Ulric O., Wauwatosa, and E. X. Schmidt, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Method of and apparatus for maintaining substantially constant the total heating value per unit volume of a flowing combustible mixture of fluids. 1,686,751; Oct. 9.
- Hutzenlaub, Eugen, Stuttgart-Gaisburg, assignor to the firm Paul Lechler, Stuttgart, Germany. Bituminous product and making same. 1,665,881; Apr. 10.
- Hutzley, Amiel G., Warren, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,690,681; Nov. 6.
- Huwiler, Anton, Basel, Switzerland. Hydraulic power-transmission gear. 1,688,968; Oct. 23.
- Huxford, George T. (See Connet, F. N., and Huxford.)
- Huxley, Joseph H., Chelsea, and W. A. Stephens, Shepherds Bush, London, England. Sealing machine. 1,696,575; Dec. 25.
- Huxtable, William G., and R. E. Gold, Swansea, Wales. Apparatus for forming and securing wire hinges in metal boxes and box parts. 1,670,198; May 15.
- Huyck, Harry E., Gettysburg, S. Dak. Latch for sliding doors. 1,656,587; Jan. 17.
- Huye, Joseph G., New Orleans, La. Box. 1,683,192; Sept. 4.
- Huye, Joseph G., New Orleans, La. Display stand. 1,687,616; Oct. 16.
- Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Wire folding and cutting machine. 1,696,121; Dec. 18.
- Hvid, Rasmus M., Chicago, Ill. Rotary pump. 1,659,107; Feb. 14.
- Hyatt, Frank. (See Gould, J. H., and Hyatt.)
- Hyatt, Frank S., assignor to Brass Goods M'fg. Co., Brooklyn, N. Y. Stopper. 1,662,189; Mar. 13.
- Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp-focusing mechanism. 1,679,574; Aug. 7.
- Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp focusing and adjusting device. 1,688,544; Oct. 23.
- Hybarger, Britton, Tangier, Ind. Signal device. 1,656,822; Jan. 17.
- Hybinette, Noak V., Wilmington, Del. Producing nickel alloys. 1,674,438; June 19.
- Hybinette, Noak V., Wilmington, Del. Alloy. 1,675,708; July 3.
- Hybinette, Noak V., Wilmington, Del. Heat-resisting alloy and structure. 1,675,709; July 3.
- Hyde, A. Filmore. (See Simonds, Francis M., assignor.)
- Hyde Engineering Company. (See Hyde, Henry W., assignor.)
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,655,227; Jan. 3.
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,661,428; Mar. 6.
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,667,115; Apr. 24.
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,667,116; Apr. 24.
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,677,675; July 17.
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,677,676; July 17.
- Hyde, Henry W., North Cohasset, assignor to Hyde Engineering Company, Boston, Mass. Spring suspension for vehicles. 1,686,561; Oct. 9.
- Hyde, James F. (See Adams, R., and Hyde.)
- Hyde, Reed W., Summit, N. J., assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y. Treating aluminum-bearing ores. 1,655,603; Jan. 10.
- Hyde, Reed W., Summit, N. J., assignor to Dwight & Lloyd Metallurgical Company, New York, N. Y. Treating fines of earthy minerals. 1,684,958; Sept. 18.
- Hyde, Reed W., Summit, N. J., assignor to Dwight & Lloyd Metallurgical Company, New York, N. Y. Treating earthy minerals. 1,688,422; Oct. 23.
- Hyde, Robert E. (See Ward, J. P., and Hyde.)
- Hydorn, George W., Los Angeles, Calif. Comb. 1,663,632; Mar. 27.
- Hydraulic Brake Company. (See Bradbury, Clifford C., assignor.)
- Hydraulic Brake Company. (See Floraday, Burton S., assignor.)
- Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)
- Hydraulic Brake Company. (See Sherbino, Morton R., assignor.)

- Hydraulic-Press Brick Company. (See Brand, John J. F., assignor.)
- Hydraulic Press Manufacturing Company, The. (See Darling, Elton R., assignor.)
- Hydraulic Press Manufacturing Company. (See Ernst, Walter, assignor.)
- Hydraulic Press Manufacturing Company. (See Stevenson, Francis E., assignor.)
- Hydraulic Pressed Steel Company, The. (See Klaus, F. R., and Edwards, assignors.)
- Hydraulic Specialty Manufacturing Company, The. (See McKinney, Edward H., assignor.)
- Hydraulic Steel Company, The. (See Kranz, H. W., Edwards, and Lukes, assignors.)
- Hydrocarbon Refining Process Company. (See McMichael, Paul, assignor.)
- Hydrocarbon Refining Process Co. Inc. (See McMichael, Paul, assignor.)
- Hydro-Check Corporation. (See Ackerman, E. W., and Nicholson, assignors.)
- Hydro Electric Mfg. Co. (See Boisselle, Leland J., assignor.)
- Hydro-Press Machines Limited. (See Baker, F. S., and Richards, assignors.)
- Hygela Nursing Bottle Company. (See Ganson, Howard H., assignor.)
- Hygienic Fibre Company. (See Remley, Ernest, assignor.)
- Hygienic Tube Co. (See Lerner, Herman B., assignor.)
- Hygienol Co. Inc., The. (See Raynor, Louis L., assignor.)
- Hyland, Alfred E., Keeseville, N. Y. Spring hinge. 1,688,930; Oct. 23.
- Hyland, John F., Des Moines, Iowa. Veneer-cutting-machine attachment. 1,662,314; Mar. 13.
- Hyland, Kenneth M., Hiawatha, and C. H. Hancock, Manitowish, Mich. Split-log cabin. 1,655,701; Jan. 10.
- Hyland, Thomas P., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder and making the same. 1,657,474; Jan. 31.
- Hyle, Jacob A., Atlantic City, N. J., and C. R. Keatley, Los Angeles, Calif., assignors to Continental Railway Supply Corporation. Railway-rail anchor. 1,669,245; May 8.
- Hyle, Jacob A., Atlantic City, N. J., and C. R. Keatley, Los Angeles, Calif., assignors to Continental Railway Supply Corporation. Railway-rail anchor. 1,680,378; Aug. 14.
- Hyler, John E., Peoria, Ill. Clamp. 1,674,330; June 19.
- Hyman, Charles, Gary, Ind. Automatic control means for quenching coke. 1,695,105; Dec. 11.
- Hyman, Edgar C. Co. (See Holenstein, Emil, assignor.)
- Hyman, Elias, Brooklyn, N. Y. Stair-riser protector. 1,662,611; Mar. 13.
- Hyman, Henry, et al. (See Alschuler, Ernst, assignor.)
- Hyman, Henry. (See Blake, G. E., and Bruninga, assignors.)
- Hyman, Henry. (See Bruninga, J. H., and Evers, assignors.)
- Hyman, Henry. (See Rothenberg, H., and Britsch, assignors.)
- Hyman & Oppenheim. (See Halpern, David, assignor.)
- Hyman, Thomas M., Montreal, Quebec, Canada. Car ventilator. 1,692,125; Nov. 20.
- Hymans, Frederick, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety appliance. 1,654,650; Jan. 3.
- Hymans, Frederick, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator safety appliance. 1,685,232; Sept. 25.
- Hymans, Frederick, Yonkers, N. Y., and C. T. Westlin, Westfield, N. J., assignors to Otis Elevator Company, New York, N. Y. Elevator platform. 1,695,690; Dec. 18.
- Hyndman, Peter, Balmcarres, Saskatchewan, Canada. Wagon seat. 1,695,732; Dec. 18.
- Hynes & Cox Electric Corporation. (See Hynes, Lee P., assignor.)
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric door motor. 1,658,722; Feb. 7.
- Hynes, Lee P., Albany, assignor to Hynes & Cox Electric Corporation, Albany, N. Y. Electric pipe heater. 1,663,255; Mar. 20.
- Hynes, Lee P., Albany, N. Y., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Thermostat. 1,664,778; Apr. 3.
- Hynes, Lee P., assignor to Hynes & Cox Electric Corporation, Albany, N. Y. Electrically-heated tempering bath. 1,673,567; June 12.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric heating system. 1,680,379; Aug. 14.
- Hynes, Lee P., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Valve engine for steam heating. 1,684,225; Sept. 11.
- Hynson, Westcott & Dunning. (See Dunning, F., and Reid, assignors.)
- Hyrup, Hans K., Los Angeles, Calif. External-pipe-thread cleaner and chaser. 1,657,086; Jan. 24.
- Hyrup, Hans K., Los Angeles, Calif. Wrench. 1,666,740; Apr. 17.
- Hyser, George W., Minneapolis, Minn. Control panel. 1,670,856; May 22.
- Hysert, Robert E., assignor of one-half to E. R. Dempsey, Buffalo, N. Y. Reversible window. 1,696,607; Dec. 25.
- Hyten, Charles D., Benton, Ark. Pottery. 1,657,997; Jan. 31.
- Hytest Valve Company of New York, The. (See Sparks, Stanley W., assignor.)
- Hytte, Robert P. L., Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Speed-regulating means for motive-power engines. 1,669,709; May 15.
- Hyuga, Asamatsu, Tokyo, Japan. Hydrogen-ion comparator. 1,659,629; Feb. 14.
- I. G. Farbenindustrie Aktiengesellschaft. (See Bähr, Hans, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Beck, Adolf, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Becker, Oscar, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Benda, Louis, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Bub, Leopold, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Daimler, K., Just, Balle, and Fuchs, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dieterle, W., Matthies, and Reistötter, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dion, Jacob, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Dobmaier, Karl, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Doerincel, F., and Schliemann, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Drossbach, O., and Jordan, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Drucker, Julius, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, W., and Wild, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Gaus, Wilhelm, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., Balz, and Rössler, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Röhre, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Eisele, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Griessbach, R., and Röhre, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Günther, F., and Cantzler, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Henglein, Friedrich A., assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Jantsch, G., and Wolski, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Knorr, A., and Steimmig, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kolbe, W., Streitzwolf, and Fehle, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Koppe, Paul, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kränzlein, G., Voss, and Brunträger, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Kuss, Ernst, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Lang, Hermann, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Laska, A. L., and Zitscher, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Legeler, Eberhard, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Leuchs, O., and Dörr, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., Pieroh, and Kranepuhl, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Matthies, O., Wolff, Dieterle, and Wendt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Meyer, K. H., and Schütte, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Michel, Richard, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Mittasch, A., Müller, and Schubardt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller, C., Frankenburger, and Grassner, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller, C., Schlecht, and Schubardt, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller-Cunradi, Martin, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Müller, W. J., Carstens, and Drucker, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Nüsslein, Joseph, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Pistor, G., and Borsbach, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Pungs, W., and Jahrstorfer, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Sator, K., and Pfannmüller, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schirmacher, K., Stolz, Schlichenmaier, and Krohs, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, H., and Hubert, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schmidt, O., Seydel, and Feller, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Schultze, Hermann S., assignor.)

- I. G. Farbenindustrie Aktiengesellschaft. (See Seidel, Walter, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Speckter, Heinrich, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Spengler, O., and Thurm, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Spengler, Oskar, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Ströder, Eugen, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wenzel, Hermann, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, G., and Stoenewer, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wietzel, Gustav, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wild, W., and Beck, assignors.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Winkler, Fritz, assignor.)
- I. G. Farbenindustrie Aktiengesellschaft. (See Wulff, P., and Wendt, assignors.)
- I. P. C. Universal Corporation. (See Martineau, Clarence R., assignor.)
- Ibarrart, Henri, Paris, France. Decombining device for combination locks employed for safes. 1,674,901; June 26.
- Iceless Automatic Refrigerator Company. (See Jankus, Jack C., assignor.)
- Iceless Automatic Refrigerator Company. (See Otto, Stuart, assignor.)
- Ice Machinery Corporation. (See Aldinger, Jacob G., assignor.)
- Icy-O Metal Products Company, Incorporated. (See Bloom, Marcus, assignor.)
- Ide, Geo. P., & Company. (See Becker, Donald B., assignor.)
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Transformer. 1,655,187; Jan. 3.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Reproducer. 1,657,124; Jan. 24.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Coil. 1,672,889; June 12.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. 1,676,392; July 10.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,686,814; Oct. 9.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable condenser. 1,688,813; Oct. 23.
- Ideal Can Company. (See Blanchard, Forrest S., assignor.)
- Ideal Electric & Manufacturing Company. (See Schou, Theodor, assignor.)
- Ideal Electric & Manufacturing Company, The. (See Schou, T., and Behrens, assignors.)
- Ideal Lubricator Company. (See Culp, John F., assignor.)
- Ideal Oil Saver Company. (See Lochen, Frank J., assignor.)
- Ideal Removable Body Company. (See Baxter, William M., assignor.)
- Ideal Roller & Manufacturing Co. (See Dickson, Harry, assignor.)
- Ideal Roller & Mfg. Co., The. (See Linder, Oscar, assignor.)
- Ideal Ventilator Company. (See Munroe, Clarence E., assignor.)
- Ideal Wrapping Machine Company. (See Sergeant, Walter H., assignor.)
- Idealite Electric Lamp Shade Mfg. Co. (See Lustig, Alex, assignor.)
- Iden, Max W., Altona, Germany. Float. 1,677,450; July 17.
- Ielfeld, August, assignor to The Ielfeld Postal Supply Co. Inc., Silver Creek, N. Y. Inking device. 1,675,104; June 26.
- Ielfeld, Fred C., Silver Creek, N. Y. Corn husker. 1,660,198; Feb. 21.
- Ielfeld Postal Supply Co. Inc. (See Ielfeld, August, assignor.)
- Iglehart, Richard S., assignor to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,682,128; Aug. 28.
- Igou, Dennis T., Springfield, Ohio. Valve-grinding tool. 1,667,552; Apr. 24.
- Igou, Samuel C., St. Louis, Mo. Transmission. 1,679,036; July 31.
- Ihlefeldt, Johannes, Dessau, Germany. Multichamber mill for grinding materials of all kinds. 1,671,291; May 29.
- Ihlefeldt, Johannes, assignor to the firm G. Polysius, Dessau, Germany. Rotary mill. 1,671,243; May 29.
- Ihnen, Wiard B., New York, N. Y. Galosh. Des. 76,799; Nov. 6.
- Ihrig, Harry K., Martinez, assignor of one-half to S. E. Campbell, Associated, and one-half to Associated Oil Company, San Francisco, Calif. Obtaining nitrogenous-base oils from hydrocarbon materials. 1,671,721; May 29.
- Ihrig, Harry K., Martinez, assignor of one-half to Sumner E. Campbell, Associated, and one-half to Associated Oil Company, San Francisco, Calif. Obtaining nitrogenous bases from hydrocarbon materials. 1,686,136; Oct. 2.
- Ihrig, Louis G., assignor to Standard Mattress and Furniture Manufacturing Company, San Diego, Calif. Mattress. 1,662,973; Mar. 20.
- Ihrmark, Gideon, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,669,375; May 8.
- Ihrmark, Gideon, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-line oiler. 1,696,485; Dec. 25.
- Ikofsky, Benjamin, Brooklyn, and J. Josephs, Bronx, N. Y. Shape-retaining packing device. 1,695,495; Dec. 18.
- Ile, William, Little Falls, N. J., assignor to Ileite Electric Manufacturing Corporation, Tuckahoe, N. Y. Three-way electric plug. 1,676,439; July 10.
- Ile, William, Little Falls, N. J., assignor to Ileite Electric Manufacturing Corporation, Tuckahoe, N. Y. Electric plug. 1,684,183; Sept. 11.
- Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Two-way socket unit. 1,687,569; Oct. 16.
- Ileite Electric Manufacturing Corporation. (See Giles, Isaac F., assignor.)
- Ileite Electric Manufacturing Corporation. (See Giles, I. F., and Roberts, assignors.)
- Ileite Electric Manufacturing Corporation. (See Ile, William, assignor.)
- Ileman, Emil A., Queens, N. Y., assignor to American Schaeffer and Budenberg Corporation. Hygrometer apparatus. 1,664,035; Mar. 27.
- Ileman, Emil A., Queens, N. Y., assignor to American Schaeffer and Budenberg Corporation. Recording instrument. 1,686,326; Oct. 2.
- Ileman, Emil A., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, Inc., New York, N. Y. Mounting pressure-gauge diaphragms. 1,693,235; Nov. 27.
- Iler, George A., Youngstown, Ohio. Tensiometer. 1,657,261; Jan. 24.
- Iler, George A., Youngstown, Ohio. Live-line clamp. 1,669,337; May 8.
- Iler, George A., Youngstown, Ohio. Live-line and insulator testing device. 1,684,798; Sept. 18.
- Iler, George A., Cleveland, Ohio. Live-line-testing device. 1,684,768; Sept. 18.
- Ilex Optical Company. (See Brueck, Theodore M., assignor.)
- Ilex Optical Company. (See Klein, Rudolph, assignor.)
- Ilg Electric Ventilating Company. (See Frank, John M., assignor.)
- Ilg Electric Ventilating Company. (See Weaver, L. C., and Rietz, assignors.)
- Ilg, Robert A., Chicago, Ill. Furnace. 1,674,828; June 26.
- Ilieff, Samuel G., Pontiac, Mich. Grain-car door. 1,658,641; Feb. 7.
- Illauer, Johann W. G., Berlin-Charlottenburg, assignor to Gesellschaft fuer Elektrische Apparate mit beschränkter Haftung, Berlin-Mariefelde, Germany. System for the telecontrol of objects. 1,686,327; Oct. 2.
- Illich, Amson G., New York, N. Y. Mechanism for attaching window fixtures. 1,665,755; Apr. 10.
- Illich, Amson G., New York, N. Y. Attachment hook for safety belts. 1,670,411; May 22.
- Illerburn, Ernest A. (See Christiansen, N., and Illerburn.)
- Illingworth, William H., Halifax, England. Electrical cut-out. 1,678,187; July 24.
- Illinois Glass Company. (See Hutchinson, Oliver C. K., assignor.)
- Illinois Malleable Iron Co. (See North, Frederick K., assignor.)
- Illinois Pacific Glass Corporation. (See Henry, K. M., and Burt, assignors.)
- Illinois Tool Works. (See Irwin, Charles J., assignor.)
- Illinois Tool Works. (See Olson, Carl G., assignor.)
- Illinois Watch Case Company. (See Bates, George T., assignor.)
- Illinois Watch Case Company. (See Bowen, George W., assignor.)
- Illinois Watch Case Company. (See Eppenstein, Sidney C., assignor.)
- Illinois Watch Case Company. (See Ireland, Ellison S., assignor.)
- Illinois Watch Case Company. (See Lester, William H., assignor.)
- Illinois Watch Case Company. (See Wakefield, Frank E., assignor.)
- Illions, Rudolph C., Brooklyn, N. Y. Safety-bar lock for pleasure railways. 1,659,108; Feb. 14.
- Ilmer, Louis, Cortland, N. Y. Washer device. 1,670,890; May 22.
- Imamura, Shinaturo, Nishiku, Nagoya, Japan. Mechanical stoker. 1,670,358; May 22.
- Imber, Jack, London, England. Locking doors. 1,657,575; Jan. 31.
- Imbert, Georges, Manchester, assignor to British Dyestuffs Corporation Limited, London, England. Manufacture of phenyl glycine or compounds thereof. 1,668,964; May 8.

- Imershein, Harriet, and L. E. Ginsburg, N. Y., assignors to Fairy Brassiere Co., Inc. Brassiere bust supporter. 1,664,926; Apr. 3.
- Imes, Elmer S., Jersey City, N. J., assignor, by mesne assignments, to Magnetic Analysis Corporation, Long Island City, N. Y. Testing magnetizable objects. 1,686,815; Oct. 9.
- Imhoff, Karl, Essen, Germany. Heatable sludge-digestion chamber for sewage treatment. 1,692,446; Nov. 20.
- Imhoff, Karl, Essen, Germany. Sewage treatment with the aid of a screen acting like a filter. 1,696,846; Dec. 25.
- Imhoff, Karl, and F. Fries, Essen, Germany. Method of and apparatus for dealing with floating sludge in digestion chambers for sewage treatment. 1,690,682; Nov. 6.
- Imhoff-Papácková, Stephanie, Basel, Switzerland. Gas compressor. 1,674,374; June 19.
- Imig, Philip, Minier, Ill. Three-row corn husker. 1,663,843; Mar. 27.
- Imlach, John S., Ottawa, Ontario, Canada. Precision tool. 1,672,159; June 5.
- Impactograph Corporation. (See Baskerville, John B., assignor.)
- Imperial Belting Company. (See McKay, Dallas R., assignor.)
- Imperial Brass Manufacturing Company, The. (See Dobrick, August C., assignor.)
- Imperial Brass Manufacturing Company, The. (See Dorsey, Farmer, assignor.)
- Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
- Imperial Tobacco Co., The. (See Milligan, W., and Palmer, assignors.)
- Inami, Kakujiro, Kashiwagi, Japan. Apparatus for casting under pressure in dentistry. 1,657,475; Jan. 31.
- Inami, Kakujiro, Tokyo, Japan. Casting under pressure in dentistry. 1,657,476; Jan. 31.
- Inco, Francis S., Los Angeles, Calif. Portable bed. 1,672,160; June 5.
- Independent Lock Company. (See Logg, Wendell, assignor.)
- Independent Paper Mills, Inc. (See Horwitt, Paul H., assignor.)
- Independent Paper Mills, Inc. (See Hunt, John O., assignor.)
- Independent Paper Mills, Inc. (See Hunt, J. O., and North, assignors.)
- Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)
- Independent Pneumatic Tool Company. (See Nelson, John T., assignor.)
- Independent Pneumatic Tool Company. (See Norling, Reinhold A., assignor.)
- Indian Motorcycle Company. (See Franklin, Charles B., assignor.)
- Indiana Glass Company, The. (See Clark, Jeddia B., assignor.)
- Indiana Gravel Company. (See Hamm, Rollie, assignor.)
- Indiana Lamp Corporation. (See Albright, Edward C., assignor.)
- Indiana Lamp Corporation, et al. (See Foster, Harry C., assignor.)
- Indiana Lamp Corporation. (See Hyatt, Samuel W., assignor.)
- Indiana Lamp Corporation. (See Neuner, Frederick W. C., assignor.)
- Indiana Lamp Corporation. (See Springer, Edgar D., assignor.)
- Indianapolis City Hospital Alumni Association. (See Mullinix, Aline, assignor.)
- Indianapolis Corporation. (See Duesenberg, Frederick S., assignor.)
- Indianapolis Pump & Tube Company. (See Noblitt, Quintin G., assignor.)
- Individual Drinking Cup Company. (See Cleland, Thomas M., assignor.)
- Individual Drinking Cup Company. (See Dawson, Cecil F., assignor.)
- Individual Drinking Cup Company. (See Johnson, Joseph, assignor.)
- Individual Drinking Cup Company. (See Luellen, Lawrence W., assignor.)
- Individual Drinking Cup Company, The. (See Ringler, William A., assignor.)
- Individual Drinking Cup Company. (See Wessman, Edwin G., assignor.)
- Individualizing Company of Illinois. (See Kier, William E., assignor.)
- Industrial Appliance Company. (See Dunlap, Frederick L., assignor.)
- Industrial Associates, Incorporated. (See Riley, Champlain L., assignor.)
- Industrial Brownhoist Corporation. (See Steinbrenner, Henry G., assignor.)
- Industrial Brownhoist Corporation. (See Taylor, Ernest W., assignor.)
- Industrial Chemical Company. (See Okell, S. A. W., and Wickenden, assignors.)
- Industrial Dryer Corporation, The. (See Harris, Gordon D., assignor.)
- Industrial Fibre Company, The. (See Niederhauser, F. C., and Kline, assignors.)
- Industrial Rayon Corporation, The. (See Niederhauser, F. C., and Kline, assignors.)
- Industrial Research Corporation. (See Brockway, Carl P., assignor.)
- Industrial Research Corporation. (See Edwards, Henry J., assignor.)
- Industrial Technics Corporation. (See Arsem, William C., assignor.)
- Industrial Waste Products Corporation. (See Dickerson, Walter H., assignor.)
- Industries of America, Inc. (See Robinson, Harry G., assignor.)
- Industry Chemical Company. (See Okell, Stanley A. W., assignor.)
- Inecto, Inc. (See Winogradoff, Alexander, assignor.)
- Information Cabinet Company. (See Walker, Russell S., assignor.)
- Ing. & C. A. Schneider, Dr. (See Schneider, John J., assignor.)
- Ingalls Steel Products Company. (See Lucy, Thomas A., assignor.)
- Inge, Harold H., New York, N. Y., and R. A. Smith, Los Angeles, Calif. Automobile air brake. 1,657,929; Jan. 31.
- Ingels, Leslie B. (See Rush, Turner C., assignor.)
- Ingersoll, Howard L., White Plains, N. Y. Car end construction. 1,673,455; June 12.
- Ingersoll, Howard L., White Plains, N. Y. Corrugated wall plate. 1,673,456; June 12.
- Ingersoll, Howard L., Pound Ridge, N. Y. Draft connection. 1,680,885; Aug. 14.
- Ingersoll Milling Machine Company, The. (See Malone, Frank J., assignor.)
- Ingersoll Milling Machine Company, The. (See Morgan, Everette K., assignor.)
- Ingersoll Milling Machine Company, The. (See Rose, Howard C., assignor.)
- Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)
- Ingersoll-Rand Company. (See Bayles, L. C., and Slater, assignors.)
- Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
- Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
- Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
- Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)
- Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)
- Ingersoll-Rand Company. (See Ihrmark, Gideon, assignor.)
- Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
- Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
- Ingersoll-Rand Company. (See Lee, Gordon, assignor.)
- Ingersoll-Rand Company. (See Lundstrom, Arthur G., assignor.)
- Ingersoll-Rand Company. (See McIntyre, James K., assignor.)
- Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.)
- Ingersoll-Rand Company. (See Mock, John F., assignor.)
- Ingersoll-Rand Company. (See Prellwitz, William, assignor.)
- Ingersoll-Rand Company, et al. (See Rathbun, George J., assignor.)
- Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
- Ingersoll-Rand Company. (See Rudlin, Frederick W., assignor.)
- Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., assignor.)
- Ingersoll-Rand Company. (See Smith, William A., jr., assignor.)
- Ingersoll-Rand Company. (See Taylor, Newell E., assignor.)
- Ingersoll-Rand Company. (See Tuttle, Grover G., assignor.)
- Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
- Ingersoll-Rand Company. (See Zimmermann, William F., assignor.)
- Ingham, Emanuel, Washington, D. C. Radio mast holder. 1,693,298; Nov. 27.
- Ingle, Henry W., assignor to Hartford-Empire Company, Hartford, Conn. Glass-blowing machinery. 1,654,731; Jan. 3.
- Ingle, Henry W., assignor to Hartford-Empire Company, Hartford, Conn. Delivery apparatus for molten glass. 1,670,770; May 22.
- Ingle, Henry W., assignor to Hartford-Empire Company, Hartford, Conn. Blowing glassware. 1,680,544; Aug. 14.
- Inglis, William A. (See Dorey, W. A., and Ingler.)
- Ingler, William A., Newark, Ohio, assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Metal collar for luminaries. 1,680,788; Aug. 14.
- Ingles, Eugene F. (See McHugh, James, assignor.)
- Ingles, Raymond M., assignor of one-half to D. Walters, Klamath Falls, Oreg. Shoe brush. 1,660,753; Feb. 28.
- Inglis, Bruce K., assignor of one-half to C. W. Inglis, Milwaukee, Wis. Oil burner. 1,684,990; Sept. 18.
- Inglis, Bruce K., assignor of one-half to C. W. Inglis, Milwaukee, Wis. Oil burner. 1,684,991; Sept. 18.
- Inglis, Clement W. (See Inglis, Bruce K., assignor.)

- Inglis, Newton R., Duluth, Minn. Stand. 1,684,446; Sept. 18.
- Ingraham, Charles C., assignor to Carter-Mayhew Manufacturing Co., Minneapolis, Minn. Disk separator. 1,665,548; Apr. 10.
- Ingraham, Charles C., assignor to Carter-Mayhew Manufacturing Co., Minneapolis, Minn. Pocketed separating disk. 1,665,549; Apr. 10.
- Ingraham E., Co., The. (See Carlson, Eloy L., assignor.)
- Ingraham, Nathan. (See Barber, E., and Ingraham.)
- Ingram, Beatrice S., administratrix. (See Schneible, Joseph.)
- Ingram, Harold E., Buringame, Calif. Analysis chart. 1,683,827; Sept. 11.
- Ingram, Harry, Brooklyn, N. Y. Closure for jars and other receptacles. 1,655,060; Jan. 3.
- Ingram, Oscar L., Walla Walla, Wash. Air-supply system. 1,684,031; Sept. 11.
- Ingram, Walter M., Sudbrook Park, assignor to H. L. Blum, Baltimore, Md. Culinary package. 1,673,625; June 12.
- Ingram, Walter M., Sudbrook Park, assignor to H. L. Blum, Baltimore, Md. Package closer and fastener. 1,673,683; June 12.
- Ingram, Walter M., Sudbrook Park, assignor to H. L. Blum, Baltimore, Md. Culinary package. 1,673,684; June 12.
- Ingram, Walter M., Sudbrook Park, assignor to H. L. Blum, Baltimore, Md. Making culinary packages. 1,673,749; June 12.
- Ingrassia, Leon, Astoria, N. Y. Locking clip. 1,674,902; June 26.
- Ingersen, Gustav F., Denver, Colo. Artificial jaws. 1,667,205; Apr. 24.
- Inland Manufacturing Company. (See Chilton, Ralph H., assignor.)
- Inland Manufacturing Company, The. (See Christman, Louis P., assignor.)
- Inland Manufacturing Company. (See Geyer, Harvey D., assignor.)
- Inland Manufacturing Company, The. (See Scott, A. W., and Geyer, assignors.)
- Inman, Edward R., Franklin, Pa. Section liner. 1,694,385; Dec. 11.
- Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for treating filaments. 1,655,466; Jan. 10.
- Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for treating filaments. 1,694,265; Dec. 4.
- Inman, Harry A., Newark, N. Y. Container construction. 1,682,129; Aug. 28.
- Innes, Harry C., Cincinnati, Ohio. Latching device. 1,659,822; Feb. 21.
- Innes, Harry C., Cincinnati, Ohio. Bed table attachment. 1,662,675; Mar. 13.
- Innes, William, Monkseaton, England, assignor to Westinghouse Electric and Manufacturing Company. Turbine-governing system. Re17,161; Dec. 11.
- Innes, William, Monkseaton, England, assignor to Westinghouse Electric and Manufacturing Company. Turbine-governing system. 1,669,522; May 15.
- Innes, William, Northumberland, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fluid heater. 1,696,306; Dec. 25.
- Inness, Lawrence, Freehold, N. J. Baseball novelty. 1,661,948; Mar. 6.
- Innovation Specialties Co. (See Booty, Philip C. P., assignor.)
- Inose, Gensuke. (See Nishida, S., Ota, and Inose.)
- Inoue, Kojiro, Tokyo, Japan. Attachment metal fitting for detachable bridge dentures. 1,673,286; June 12.
- Insley, Birdline T., Stockton, Calif. Reversible tractor transmission. 1,695,849; Dec. 18.
- Insulation Manufacturing Company. (See Starke, August L., assignor.)
- Insulex Corporation. (See Ashenhurst, Harold S., assignor.)
- Insulex Corporation. (See Govan, J., and Ashenhurst, assignors.)
- Intercontinental Rubber Products Corporation. (See Carnahan, George H., assignor.)
- Interlocking Shingle Co. (See Davis, Isidore, assignor.)
- International Accounting Machine Co. (See Warner, Lester C., assignor.)
- International Acoustigraph Company. (See Foley, E. H., and Gunn, assignors.)
- International Agricultural Corporation, The. (See Barr, James A., assignor.)
- International Bleaching Corporation. (See Bragg, Alfred O., assignor.)
- International Business Machines Corporation. (See Peirce, John R., assignor.)
- International Cellucotton Products Co. (See Glomstead, E. E., and Williamson, assignors.)
- International Cellucotton Products Co. (See Mahler, Ernst, assignor.)
- International Cellucotton Products Co. (See Weiss, George, assignor.)
- International Cigar Machinery Company. (See Clausen, S., and Lindblad, assignors.)
- International Cigar Machinery Company. (See Gwinn, George W., assignor.)
- International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
- International Coal Carbonization Company. (See Runge, Walter, assignor.)
- International Code Machine Company. (See Hebern, Edward H., assignor.)
- International Combustion Engineering Corporation. (See Crane, Joseph B., assignor.)
- International Combustion Engineering Corporation. (See Frisch, Martin, assignor.)
- International Combustion Engineering Corporation. (See Klein, Louis W., assignor.)
- International Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
- International Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)
- International Combustion Engineering Corporation. (See Packard, Edwin A., assignor.)
- International Combustion Engineering Corporation. (See Reed, Carl S., assignor.)
- International Combustion Engineering Corporation. (See Rosencrants, Fay H., assignors.)
- International Combustion Engineering Corporation. (See Schwartz, Carl, assignor.)
- International Combustion Engineering Corporation. (See Scott, Robert, assignor.)
- International Combustion Engineering Corporation. (See Skelly, John S., assignor.)
- International Combustion Engineering Corporation. (See Wiebe, Sigurd J. A., assignor.)
- International Combustion Engineering Corporation. (See Wood, Wilfred R., assignor.)
- International Committee of Young Men's Christian Associations. (See Goodwin, George L., assignor.)
- International Controlled Lamp Company, The. (See Keck, George S., assignor.)
- International Corset Company. (See Ulman, Rosanna D., assignor.)
- International Derrick & Equipment Company, The. (See Battelle, G., Runkle, and Tobin, assignors.)
- International Derrick & Equipment Company, The. (See Bloss, Richard R., assignor.)
- International Derrick & Equipment Company, The. (See Bloss, R. R., and Pfeil, assignors.)
- International Derrick & Equipment Company, The. (See Bloss, R. R., Pfeil, and Maurer, assignors.)
- International Derrick & Equipment Company, The. (See Bloss, R. R., Strout, and Ansel, assignors.)
- International Dry Milk Company. (See Dick, Samuel M., assignor.)
- International Fowl Plucker Corporation. (See Vermes, A., Stern, and Grodzicker, assignors.)
- International Fuel Service. (See Hook, Henry C., assignor.)
- International Harvester Company. (See Anthony, John E., assignor.)
- International Harvester Company. (See Beall, William L., assignor.)
- International Harvester Company. (See Benjamin, Bert R., assignor.)
- International Harvester Company. (See Benjamin, B. R., and Graham, assignors.)
- International Harvester Company. (See Benjamin, B. R., and Raney, assignors.)
- International Harvester Company. (See Benjamin, B. R., Raney, and Webber, assignors.)
- International Harvester Company. (See Bucknam, Frederick A., assignor.)
- International Harvester Company. (See Budreau, George, assignor.)
- International Harvester Company. (See Burger, Leopold F., assignor.)
- International Harvester Company. (See Cady, Sherman W., assignor.)
- International Harvester Company. (See Dennis, Samuel K., assignor.)
- International Harvester Company. (See Derr, Harry E., sr., assignor.)
- International Harvester Company. (See Des Combes, Lloyd E., assignor.)
- International Harvester Company. (See Dwyer, William C., assignor.)
- International Harvester Company. (See Engstrom, Gustaf W., assignor.)
- International Harvester Company. (See French, C. A., and Engstrom, assignors.)
- International Harvester Company. (See Graham, William S., assignor.)
- International Harvester Company. (See Graham, W. S., and Gallagher, assignors.)
- International Harvester Company. (See Gronke, B., and Crumb, assignors.)
- International Harvester Company. (See Grossman, Herman P., assignor.)
- International Harvester Company. (See Hagadone, Clinton A., assignor.)
- International Harvester Company. (See Hipple, James L., assignor.)
- International Harvester Company. (See Huntoon, Harry A., assignor.)
- International Harvester Company. (See Johnson, Andrew L., assignor.)
- International Harvester Company. (See Kaspari, Mathias J., assignor.)
- International Harvester Company. (See Kipp, Roy H., assignor.)

- International Harvester Company. (See Lindgren, A. C., and Gallagher, assignors.)
 International Harvester Company. (See Mowry, Edward assignor.)
 International Harvester Company. (See Pearson, Charles, assignor.)
 International Harvester Company. (See Peterson, Walter R., assignor.)
 International Harvester Company. (See Rand, Charles A. A., assignor.)
 International Harvester Company. (See Randall, Parke, assignor.)
 International Harvester Company. (See Raney, Clemma R., assignor.)
 International Harvester Company. (See Raney, C. R., and Johnson, assignors.)
 International Harvester Company. (See Rice, George L., assignor.)
 International Harvester Company. (See Rice, G. L., and Whitcomb, assignors.)
 International Harvester Company. (See Robinson, Charles W., assignor.)
 International Harvester Company. (See Scarlett, Arthur A., assignor.)
 International Harvester Company. (See Smith, Daniel W., assignor.)
 International Harvester Company. (See Sperry, Herbert B., assignor.)
 International Harvester Company. (See Sturrock, John, assignor.)
 International Harvester Company. (See Thomson, Clarence Y., sr., assignor.)
 International Harvester Company. (See Towle, Elmer E., assignor.)
 International Harvester Company. (See Van Der Vliet, Menno, assignor.)
 International Harvester Company. (See Waddell, William, assignor.)
 International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)
 International Milling Company. (See Smith, Louis E., assignor.)
 International Motor Company. (See Atkins, Earl F., assignor.)
 International Motor Company. (See Corcoran, Lewis L., assignor.)
 International Motor Company. (See Drumm, C. F., jr., and Shields, assignors.)
 International Motor Company. (See Froesch, Charles, assignor.)
 International Motor Company. (See Gurney, Erving B., assignor.)
 International Motor Company. (See Hasselkus, William E. B., assignor.)
 International Motor Company. (See Hauer, Roy A., assignor.)
 International Motor Company. (See Heiney, John W., assignor.)
 International Motor Company. (See Hewitt, E. R., and Masury, assignors.)
 International Motor Company. (See Jansson, Axel J., assignor.)
 International Motor Company. (See Josephs, Lyman C., jr., assignor.)
 International Motor Company. (See Jupp, William B., assignor.)
 International Motor Company. (See Kohlberger, Frank, assignor.)
 International Motor Company. (See Leipert, August H., assignor.)
 International Motor Company. (See Manville, Keith R., assignor.)
 International Motor Company. (See Masury, Alfred F., assignor.)
 International Motor Company. (See Masury, A. F., and Froesch, assignors.)
 International Motor Company. (See Masury, A. F., and Gurney, assignors.)
 International Motor Company. (See McCall, G., and Reid, assignors.)
 International Motor Company. (See Midboe, Gabriel, assignor.)
 International Motor Company. (See Robbins, Azor D., assignor.)
 International Motor Company. (See Shields, Henry B., assignor.)
 International Motor Company. (See Wilson, Raymond C., assignor.)
 International Motor Company. (See Wirrer, Gottfried, assignor.)
 International Nickel Company, The. (See Lellep, Otto, assignor.)
 International Nickel Company, The. (See McKnight, Charles, jr., assignor.)
 International Nickel Company, The. (See Merica, P. D., and Wickenden, assignors.)
 International Nickel Company, The. (See Pilling, N. B., and Schoener, assignors.)
 International Oxygen Company. (See Quelch, George C., assignor.)
 International Paper Company. (See Healy, Ellis C., assignor.)
 International Paper Company. (See Maxim, W. D., and Mahannah, assignors.)
 International Paper Company. (See Morris, Stewart M., assignor.)
 International Paper Company. (See Read, Robert E., assignor.)
 International Patent Corporation. (See Haglund, Ture R., assignor.)
 International Patents Development Company. (See Ebert, C., Newkirk, and Moskowitz, assignors.)
 International Patents Development Company. (See Moffett, George M., assignor.)
 International Patent Development Company. (See Newkirk, William B., assignor.)
 International Postal Supply Company. (See Mitchell, J. A., and Zahn, assignors.)
 International Postal Supply Company. (See Zahn, Lawrence J., assignor.)
 International Postal Supply Company of New York, The. (See Muller, William F., assignor.)
 International Precipitation Company. (See Jakosky, John J., assignor.)
 International Precipitation Company. (See McGrane, Norman M., assignor.)
 International Precipitation Company. (See Schmidt, Walter A., assignor.)
 International Reduction Company. (See Hare, Donald C., assignor.)
 International Register Company. (See Colby, Vincent V., assignor.)
 International Screw Company. (See Arenz, John A., assignor.)
 International Shoe Company. (See Ballard, Harrie A., assignor.)
 International Shoe Company. (See Cooksey, Ernest B., assignor.)
 International Shoe Company. (See Copeland, William A., assignor.)
 International Shoe Company. (See Hume, Fred, assignor.)
 International Silver Co. (See Beck, Ernest T., assignor.)
 International Silver Company. (See Berry, George H., assignor.)
 International Silver Company. (See Kintz, Alfred G., assignor.)
 International Silver Company. (See Theobald, Jean, assignor.)
 International Skywriters Limited. (See Alder, William A., assignor.)
 International Spotlight Corporation. (See Sklarek, Clifford, assignor.)
 International Stamping Company. (See Green, Walter E., assignor.)
 International Sugar and Alcohol Company, The. (See Koch, Fritz, assignor.)
 International Telephone Company, The. (See Hastings, Ruben C. M., assignor.)
 International Time Recording Company. (See Swick, Seward E., assignor.)
 International Time Recording Company of New York. (See Bryce, James W., assignor.)
 International Time Recording Company of New York. (See Bryce, J. W., and Robinson assignors.)
 International Time Recording Company of New York. (See Geiger, Edward F., assignor.)
 International Time Recording Company of New York. (See Hutchinson, G. N., and Carden, assignors.)
 International Time Recording Company of New York. (See Keilien, Saul, assignor.)
 International Time Recording Company of New York. (See Larrabee, Clinton E., assignor.)
 International Time Recording Company of New York. (See Miles, Joseph W., assignor.)
 International Toy Corporation. (See Babbitt, Edwin V., assignor.)
 International Wood Products Co. (See Leash, Homer E., assignor.)
 Internationale Nahrungs- und Genussmittel Aktiengesellschaft. (See Staudinger, H., and Reichstein, assignors.)
 Intercontinental Rubber Company. (See Yeandle, William H., assignor.)
 Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
 Intertype Corporation. (See Barber, Frank E., assignor.)
 Intertype Corporation. (See Berry, Alfred M., assignor.)
 Intertype Corporation. (See Goodbody, Edmund M., assignor.)
 Intertype Corporation. (See Norwood, Joseph C., assignor.)
 Intertype Corporation. (See Sperry, Samuel E., assignor.)
 Intertype Corporation. (See Peterson, William, assignor.)
 Interwoven Mills, Inc., The. (See Davis, Hamilton L., assignor.)
 Investment Buyers Corporation. (See Douglass, Harry B., assignor.)
 Invincible Laundry Equipment Co. (See Bell, Daniel, assignor.)
 Invincible Vacuum Cleaner Manufacturing Company. (See Nisbet, Edward A., assignor.)
 Ioco Rubber & Waterproofing Company, The. (See Ryan, Alfred, assignor.)
 Ionides, Alexander C., jr. (See Gordon, John W., assignor.)
 Iowa Dairy Separator Company. (See Edwards, James M., assignor.)

- Iowa State College of Agriculture and Mechanic Arts. (See Marston, Anson, assignor.)
- Ipsen, Carl L. (See Otis, A. N., and Ipsen.)
- Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Heat treatment of metals. 1,658,682; Feb. 7.
- Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Carburizing apparatus. 1,661,831; Mar. 6.
- Ipsen, Carl L., Schenectady, N. Y., assignor to General Electric Company. Heat-treating apparatus. 1,675,271; June 26.
- Irby, John E., Spokane, Wash. Fire alarm. 1,688,635; Oct. 23.
- Irby, William, Lynn, Mass., assignor to General Electric Company. Electrode. 1,669,129; May 8.
- Iredell, Charles V., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electron-emitting material. 1,663,553; Mar. 27.
- Iredell, Robert, assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire. Des. 74,176; Jan. 3.
- Iredell, Robert, assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire. Des. 75,626; June 26.
- Ireland, Ellison S., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase. Des. 77,005; Nov. 27.
- Ireland Aircraft Inc. (See Brinn, Daniel J., jr., assignor.)
- Ireland, George B., assignor to Taylor Instrument Companies, Rochester, N. Y. Recording pen. 1,683,828; Sept. 11.
- Ireland, John F., Pennville, Ind. Electric sign. 1,691,520; Nov. 13.
- Ireland, Ward S. (See Dennison, F. E., and Ireland.)
- Ireland, Ward S., assignor to National Refrigeration Corporation, Beloit, Wis. Belt-tightening idler mount. 1,667,117; Apr. 24.
- Irgens, Finn T., assignor to Lockwood Ash Motor Company, Jackson, Mich. Swivel motor. 1,661,369; Mar. 6.
- Irgens, Finn T., assignor to Lockwood Ash Motor Co., Jackson, Mich. Outboard motor. 1,683,893; Sept. 11.
- Irish, David J. (See Strachan, C., and Irish.)
- Irish, David J., West New Brighton, assignor to Morse Dry Dock & Repair Co., New York, N. Y. Furnace front. 1,665,786; Apr. 10.
- Irmirer, Hubert P., Minneapolis, Minn. Oil burner. 1,659,631; Feb. 21.
- Irmscher, Hans. (See Zukor, A., and Irmscher.)
- Iron King Implement Company, The. (See Leet, Arthur W., assignor.)
- Iron Mountain Company. (See Bihl, William E., assignor.)
- Irons, George C., La Verne, Calif. Automobile door pocket. 1,694,855; Dec. 11.
- Ironside, James, assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Fitting for sheet metal. 1,662,068; Mar. 13.
- Ironton Engine Company, The. (See Allfree, E. H., and Williams, assignors.)
- Irrgang, William F., Chicopee, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stitching device. 1,696,847; Dec. 25.
- Irvin, Roy. (See Kohman, H. A., Irvin, and Stateler.)
- Irvin, William A., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Rolling-mill appliance. 1,663,844; Mar. 27.
- Irvine, Clover G. (See Vierling, Frank J., assignor.)
- Irvine, Clover G. (See Vierling, F. J., and Irvine.)
- Irvine, Malcolm M., Glasgow, Scotland. Generator for electric-arc welding. 1,666,452; Apr. 17.
- Irvine, Robin H., Bay City, Mich. Chair. 1,669,757; May 15.
- Irvine, Richard K., Visalia, Calif. Display stand. 1,688,048; Oct. 16.
- Irving, Fitch C., Brooklyn, N. Y. Triangle pad. 1,682,616; Aug. 28.
- Irving Iron Works Company. (See Voskamp, John A., assignor.)
- Irving-Pitt Manufacturing Company. (See Bevans, Frederick G., assignor.)
- Irving-Pitt Manufacturing Company. (See Cederleaf, Clarence A., assignor.)
- Irving-Pitt Manufacturing Company. (See Conger, Claude M., assignor.)
- Irving-Pitt Manufacturing Company. (See Hyland, Thomas P., assignor.)
- Irving-Pitt Manufacturing Company. (See Van Valkenburgh, Richard M., assignor.)
- Irvington Auto Products Corporation. (See Therasse, Jules A., assignor.)
- Irvington Varnish & Insulator Co. (See Hennelly, Edward J., assignor.)
- Irvins, William T., Muncie, Ind. Matrix assembler chute block, rails, and filling piece for typesetting machines. 1,655,702; Jan. 10.
- Irwin, Charles G., Portland, Oreg. Trailer. 1,668,079; May 1.
- Irwin, Charles J., assignor to Illinois Tool Works, Chicago, Ill. Truing device for grinding wheels. 1,661,041; Feb. 28.
- Irwin & Company. (See Cohn, Irwin, assignor.)
- Irwin, Dewitt D., East Liverpool, Ohio, assignor of one-half to E. M. Knowles, Newell, W. Va. Sagger-making machine. 1,677,677; July 17.
- Irwin, George N., Whitby, Ontario, Canada. Animal trap. 1,696,768; Dec. 25.
- Irwin, James B., Denver, Colo. Locomotive mover. 1,666,780; Apr. 17.
- Irwin, Justice C., Minneapolis, Minn., assignor, by mesne assignments, to Stanton Home Safe Company, Chicago, Ill. Locking device. 1,691,975; Nov. 20.
- Irwin, William, New York, N. Y. Headlight. 1,671,900; May 29.
- Isaachsen, Isak, assignor to Aktienselskapet Krysal, Oslo, Norway. Crystallization of solid substances in a coarse granular form from solutions. 1,693,786; Dec. 4.
- Isaacs, Darrell W., Redfern, New South Wales, Australia. Collapsible luggage-carrying attachment for use with motor and other vehicles. 1,692,085; Nov. 20.
- Isaacs, Mark, Minneapolis, Minn. Electric water heater. 1,672,942; June 12.
- Isaacson, William O., Chicago, Ill. Nail. 1,661,042; Feb. 28.
- Isacco, Vittorio, and V. Andres, Paris, France; said Andres assignor to said Isacco. Helicopter. 1,669,758; May 15.
- Isaksen, Robert C., Flushing, N. Y., assignor, by mesne assignments, to Addressograph Company, Chicago, Ill. Printing-plate blank and method of making. 1,678,859; July 31.
- Isaksson, Carl J. E., Spanga, assignor of one-half to H. T. Tillquist, Stockholm, Sweden. Spark plug. 1,696,634; Dec. 25.
- Isbell, Arthur C., Ivoryton, Conn. Apparatus for guiding automobiles into position for service. 1,696,238; Dec. 25.
- Isbell, Clementine, administratrix. (See Isbell, John F.)
- Isbell, Elton, Los Angeles, Calif. Information display device. 1,664,511; Apr. 3.
- Isbell, John F., deceased, Alhambra; C. Isbell, administratrix, assignor of one-half to O. Q. Beckworth, Los Angeles, Calif.; C. I. Silvey, administratrix. Resilient suspension means for screen separators. 1,673,148; June 12.
- Isbills, William L., Elizabeth, N. J. Method and apparatus for producing colored projected pictures. 1,680,619; Aug. 14.
- Ischinger, Eric, assignor of one-half to F. Keiper, Rochester, N. Y. Guard for punch presses. 1,655,271; Jan. 3.
- Ischinger, Eric, East Rochester, assignor of one-half to F. Keiper, Rochester, N. Y. Guard for punch presses. 1,655,549; Jan. 10.
- Ischinger, Eric, East Rochester, assignor of one-half to F. Keiper, Rochester, N. Y. Guard for punch presses. 1,656,202; Jan. 17.
- Ischinger, Eric, assignor of one-half to F. Keiper, East Rochester, N. Y. Guard for punch presses. 1,657,676; Jan. 31.
- Ischinger, Eric, East Rochester, assignor of one-half to F. Keiper, Rochester, N. Y. Guard for punch presses. 1,671,901; May 29.
- Iscoff, Albert, New Haven, Conn. Instrument holder. 1,669,523; May 15.
- Iser, Adalbert, Reichenberg, Czechoslovakia. Copying device for photographic purposes. 1,687,069; Oct. 9.
- Iserman, Samuel, Summit, N. J., W. Vernet, and E. Q. Moses, New York, N. Y., assignors, by mesne assignments, to F. J. Hall and L. B. Rattermann, Cincinnati, Ohio. Fuel for use in internal-combustion engines. Re16,937; Apr. 17.
- Isermann, Samuel, East Orange, N. J., and W. Vernet, New York, N. Y. Freezing-point depressant. 1,687,094; Oct. 9.
- Isham, Robert M., Okmulgee, Okla., assignor to Doherty Research Company, New York, N. Y. Ethyl-alcohol substitute and making same. 1,692,662; Nov. 20.
- Isherwood, Joseph W., Chislehurst, England. Floating vessel. 1,658,336; Feb. 7.
- Isherwood, Joseph W., Chislehurst, England. Construction of floating vessels. 1,674,471; June 19.
- Isherwood, Joseph W. and W. Raggles Wood, Chislehurst, England. Hatch cover. 1,679,526; Aug. 7.
- Isherwood, William. (See Isherwood, Joseph W. and W.)
- Ishih, Shokichi, Tokyo, Japan. Typewriter. 1,671,722; May 29.
- Isler, Benjamin Q., assignor, by mesne assignments, to L. Shapiro, New York, N. Y. Variable condenser. 1,654,881; Jan. 3.
- Isler, Herman R. (See Einstein, S., Nenninger, and Isler.)
- Isler, Max, and L. von Mechel, assignors to the firm: Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuff derived from 1:S-naphthalene dicarboxylic acid and making the same. 1,667,328; Apr. 24.
- Isler, Samuel. (See Duncan, R. D., jr., Isler, and Barone.)
- Isom, Edward W. (See Bell, J. E., and Isom.)
- Isom, Edward W. (See Parmelee, C. L., and Isom.)
- Isom, Edward W., Locust Valley, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,661,073; Feb. 28.
- Isom, Edward W., Winnetka, assignor to Sinclair Refining Company, Chicago, Ill. Distillation of petroleum. 1,683,135; Sept. 4.

- Isom, Edward W., Winnetka, Ill., and C. L. Parmelee, Orange, N. J., assignors to Sinclair Refining Company, Chicago, Ill. Cracking hydrocarbons. 1,675,558; July 3.
- Isom, Edward W., Winnetka, Ill., and J. E. Bell, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Circulatory cracking still and pump therefor. 1,676,202; July 3.
- Isom, Edward W., Winnetka, Ill., and J. E. Bell, Brooklyn, N. Y., assignors to Sinclair Refining Company, Chicago, Ill. Operation of pressure stills. 1,676,203; July 3.
- Isom, Edward W., Scarsdale, N. Y., and A. C. Vobach, Whiting, Ind., assignors to Sinclair Refining Company, Chicago, Ill. Oil still. 1,676,204; July 3.
- Isom, Edward W., Scarsdale, N. Y., and E. C. Herthel, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Distillation of crude petroleum. 1,683,193; Sept. 4.
- Isoyama, Naokichi, Los Angeles, Calif. Collapsible tray for egg crates. 1,666,333; Apr. 17.
- Israel, Elias, New York, N. Y. Apparatus for cutting hat sweat leathers. 1,666,658; Apr. 17.
- Israel, Sidney, Houston, Tex. Radiographic apparatus. 1,671,902; May 29.
- Italian-Swiss Colony. (See Davis, William, assignor.)
- Itjen, Martin, Skagway, Alaska. Snap hook. 1,684,322; Sept. 11.
- Ito, Yei, Selma, Calif. Sanitary protector. 1,664,626; Apr. 8.
- Itzerott, Karl H., Philadelphia, Pa. Bandage fastener. 1,691,810; Nov. 13.
- Ivanoff, Alexander N., New York, N. Y. Musical instrument. 1,668,406; May 1.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Roller-table line-shaft bearing. 1,660,510; Feb. 28.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Apparatus and method of shearing. 1,680,048; Aug. 7.
- Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Rolling mill. 1,688,335; Oct. 23.
- Iversen, Trygve, Chicago, Ill. Milk-bottle container. 1,666,289; Apr. 17.
- Iverson, Christean, Inc. (See Riederer, H. S., and Paulson, assignors.)
- Iverson, Ernest F., et al. (See Guterres, Carlos A., assignor.)
- Ives, Charles A. (See Macloskie, G., and Ives.)
- Ives, Charles O. (See Burke, E., and Ives.)
- Ives, Claude, Otsego, assignor of one-half to C. Pierce, Martin, Mich. Doctor bar. 1,682,522; Aug. 28.
- Ives, Clifford E., Chicago, Ill. Electric switch. 1,667,158; Apr. 24.
- Ives, Frederic E., assignor to C. W. Fenninger, trustee, Philadelphia, Pa. Color photograph or film and producing same. 1,655,182; Jan. 3.
- Ives, Frederic E., assignor to C. W. Fenninger, Philadelphia, Pa. Color photograph or film and producing same. 1,695,284; Dec. 18.
- Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission of pictures by electricity. 1,656,915; Jan. 24.
- Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission of pictures by electricity. 1,659,570; Feb. 21.
- Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission of pictures by electricity. 1,667,805; May 1.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Television. 1,673,828; June 19.
- Ives, Herbert E., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reproducing pictures transmitted electrically. 1,683,894; Sept. 11.
- Ives, Herbert E., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Transmission of pictures by electricity. 1,683,976; Sept. 11.
- Ives, Herbert E., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Transmission of pictures by electricity. 1,688,081; Oct. 16.
- Ives, Herbert E., Montclair, and M. B. Long, Glen Ridge, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Transmission of pictures by electricity. 1,691,071; Nov. 13.
- Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated. Picture transmission. 1,695,048; Dec. 11.
- Ives, Martin A. (See Ives, William G. and M. A.)
- Ives, William G. and M. A., Chicago, Ill. Sectional garbage and refuse receptacle. 1,692,170; Nov. 20.
- Ivory, Fred A. (See Messler, R. E., and Ivory.)
- Iwadare, Toru, Tokyo, Japan. Manufacturing a new syphilis remedy from dihydroxy-diamino-arseno-benzene-monomethylene sulphonic acid. 1,665,787; Apr. 10.
- Iwanicki, Joseph, Detroit, Mich. Toothpick distributor. 1,695,460; Dec. 18.
- Iwanski, Friedrich, Berlin-Copenick, Germany. Paving material and making the same. 1,661,832; Mar. 6.
- Iwwerks, Eert U., Kansas City, Mo. Sound-reproducing mechanism. 1,684,098; Sept. 11.
- Iymori, Satoyasu, and K. Suzuki, assignors to Z. H. R. Kenkyujo, Tokyo, Japan. Making solvent oil. 1,675,977; July 3.
- Izzo, Bonaventuro, Paterson, N. J. Baker's oven. 1,662,747; Mar. 13.
- J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag. (See Lifflander, J. O., and Johnson, assignors.)
- J-M-Braider Co. (See McCahey, George F., assignor.)
- Jablonski, Anthony B. (See Almquest, M. N., and Jablonski.)
- Jablow, Charles, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnetic brake. 1,686,006; Oct. 2.
- Jabs, Asmus, Zurich, Switzerland. Stuffing box for shafts and the like. 1,689,874; Oct. 30.
- Jachtyl, Jan. (See Wojnowski, T. J., and Jachtyl.)
- Jaciel Perfumers, Inc. (See Kohl, Richard W., assignor.)
- Jack, Ada L., Kansas City, Mo. Book end. Des. 76,020; Aug. 14.
- Jack, Clarence H., Versailles, assignor to Layton Fire Clay Company, McKeesport, Pa. Pavement. 1,677,829; July 17.
- Jack, Findlay, Pawtucket, assignor to Brown & Sharpe Mfg. Company, Providence, R. I. Milling-machine attachment. 1,654,882; Jan. 3.
- Jack Frost Company, The. (See Parshall, Dallas D., assignor.)
- Jack, George B., jr. (See Seidell, L., and Jack.)
- Jack, Robert K., Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich. Engine. 1,683,039; Sept. 4.
- Jack, Robert K., Lansing, assignor to General Motors Corporation, Detroit, Mich. Crank-case-ventilating system. 1,686,007; Oct. 2.
- Jackervich, Joseph. (See Mullen, L. A., and Jackervich.)
- Jackich, Joe L., Bend, Oreg. Rail joint. 1,668,407; May 1.
- Jacklin, Leonard F., assignor to The Western Glass Company, Streator, Ill. Figured glass. Des. 76,137; Aug. 21.
- Jackline, Morley P., Atchison, Kans. Tool handle. 1,687,335; Oct. 9.
- Jackman, Arthur J., Forest Hills Borough, assignor to Vesuvius Crucible Company, Swissvale, Pa. Refractory article and making the same. Re16,845; Jan. 3.
- Jackman, J. W., & Company Limited. (See Neville, Frederick W., assignor.)
- Jackman, Joseph J., assignor of one-fourth to F. H. Caskin, Danvers, Mass. Grid for thermionic tubes. 1,674,331; June 19.
- Jackman, William B., Niagara Falls, N. Y. Dental acid container. 1,664,419; Apr. 3.
- Jacks, Jesse. (See Allison, J. J., jr., and Jacks.)
- Jackson, Aldrich L., assignor to Federal Manufacturing Company, St. Paul, Minn. Advertising cigar lighter. Des. 77,318; Dec. 25.
- Jackson, Alvin L., Logan, Okla. Gum-stick holder. 1,666,095; Apr. 17.
- Jackson, Arthur C., and W. Kroll, Philadelphia, Pa., assignors, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,688,187; Oct. 16.
- Jackson, Arthur C., Philadelphia, Pa., and W. Kroll, San Francisco, Calif., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,693,511; Nov. 27.
- Jackson, Avis, East St. Louis, Ill. Glare or light shield. 1,666,568; Apr. 17.
- Jackson, Benjamin R., Delphi, Ind. Bottle brush. 1,678,943; July 31.
- Jackson, Benjamin B., Delphi, assignor, by mesne assignments, to The Marvel Company, Hammond, Ind. Brush mounting for suction cleaners. 1,676,782; July 10.
- Jackson, Byron, Pump Mfg. Co. (See Hollander, Aladar, assignor.)
- Jackson, Byron, Pump Mfg. Co. (See Hollander, A., and Forward, assignors.)
- Jackson, Carl R. (See Russell, R. C., White, and Hayden, assignors.)
- Jackson & Church Co. (See Church, Edgar D., assignor.)
- Jackson, Edward W., assignor to B. B. T. Corporation of America, Philadelphia, Pa. Beacon. 1,691,011; Nov. 6.
- Jackson, Edwin C., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Booster-motor support. 1,670,541; May 22.
- Jackson, Ephraim L., London, England. Treatment of sewage in sanitary closets. 1,687,336; Oct. 9.
- Jackson, Ernest W., Sausalito, assignor to Perfecto Gear Differential Co., Oakland, Calif. Transmission clutch. 1,667,260; Apr. 24.
- Jackson, Ernest W., San Rafael, assignor to Perfecto Gear Differential Co., Oakland, Calif. Speed-change transmission gearing. 1,693,079; Nov. 27.
- Jackson, Frank E. (See Natzel, G. H., and Jackson.)
- Jackson, Fred, Clay City, Ind. Grain shocker. 1,686,156; Oct. 2.

- Jackson, George A., Waltham, assignor, by mesne assignments to The Gamewell Company, Newton, Mass. Signal system and device. 1,685,848; Oct. 2.
- Jackson, George P., Flushing, assignor to Combustion Engineering Corporation, New York, N. Y. Tile-anchoring device. 1,685,568; Sept. 25.
- Jackson, George P., Flushing, assignor to Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel-burning apparatus. 1,691,929; Nov. 20.
- Jackson, George P., Flushing, and A. V. Adamson, Hempstead, N. Y., assignors to Combustion Engineering Corporation. Handling and feeding pulverized fuel. 1,677,779; July 17.
- Jackson, George P., Flushing, and H. D. Savage, Scarsdale, assignors to Combustion Engineering Corporation, New York, N. Y. Furnace. 1,679,724; Aug. 7.
- Jackson, Glenn L., Chicago, Ill. Bookmark. 1,663,307; Mar. 20.
- Jackson, Henry M. (See Mingle, W., and Jackson.)
- Jackson, James, Bakersfield, Calif. Egg turner for incubators. 1,690,169; Nov. 6.
- Jackson, James H., Detroit, Mich. Oil burner. 1,681,236; Aug. 21.
- Jackson, Jesse J. (See Dailey, J. T., and Jackson.)
- Jackson, John. (See Arelt, C., and Jackson.)
- Jackson, John G., Chatham, Ontario, Canada. Producing filamentary material. 1,672,943; June 12.
- Jackson, John G., Chatham, Ontario, Canada. Storage battery. 1,694,856; Dec. 11.
- Jackson, John H., Needham, Mass. Necktie renovator. 1,675,757; July 3.
- Jackson, Joseph G., Chicago, Ill. Baking pan. 1,678,008; July 24.
- Jackson, Joseph G., assignor to Edward Katzinger Company, Chicago, Ill. Construction of reinforced baking pans. 1,655,188; Jan. 3.
- Jackson, Joseph G., assignor to Edward Katzinger Company, Chicago, Ill. Baking pan. 1,696,004; Dec. 18.
- Jackson, Joseph R., Jr., Brookline, assignor to M. E. Jackson, Boston, Mass. Liquid switch. 1,690,014; Oct. 30.
- Jackson, Lester P., El Paso, Tex. Container for testing devices. 1,684,769; Sept. 18.
- Jackson, Lloyd E., and H. E. Wassell, Pittsburgh, Pa., assignors to Mundatechnical Products Company, Detroit, Mich. Mothproofing substance and preparing it. 1,694,219; Dec. 4.
- Jackson, Lucian C., et al. (See Williams, John F., assignor.)
- Jackson, Marguerite E. (See Jackson, Joseph R., Jr., assignor.)
- Jackson, Mary G., New Haven, Conn. Tracing table. 1,676,440; July 10.
- Jackson, Maunsell B., Toronto, Ontario, assignor of one-third to E. McMahon and one-third to T. C. Bate, Ottawa, Canada. Fluid-pressure brake. 1,659,203; Feb. 14.
- Jackson, Maunsell B., Toronto, Ontario, assignor of one-third to E. McMahon and one-third to T. C. Bate, Ottawa, Canada. Change-speed gearing. 1,661,613; Mar. 6.
- Jackson, Merlin M., assignor to F. Hamann and G. I. Lang, San Jose, Calif. Clothes washing and wringing machine. 1,683,037; Sept. 4.
- Jackson, Merriott A. (See Greer, Benjamin J., assignor.)
- Jackson, Nelson, assignor of one-fourth to A. Duncan, Saskatoon, Saskatchewan, Canada. Rotary rod weeder. 1,684,992; Sept. 18.
- Jackson, Oscar W., New York, N. Y. Metal end for mats. 1,669,759; May 15.
- Jackson, Percy, Chicago, Ill. Forming pipe closures. 1,686,562; Oct. 9.
- Jackson, Ralph. (See Vernon, P. V., and Jackson.)
- Jackson, Ralph, Coventry, assignor to Alfred Herbert Limited, Butts, Coventry, England. Coal-pulverizing machine. 1,682,377; Aug. 28.
- Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,677,346; July 17.
- Jackson, Robert L., Clarksburg, W. Va. Air-cooled internal-combustion engine. 1,658,166; Feb. 7.
- Jackson, Royal W., assignor to Glenco Products Company, Quincy, Ill. Hand duster. 1,666,096; Apr. 17.
- Jackson, Shuman R., Syracuse, N. Y., assignor to The Dura Company, Toledo, Ohio. Mechanical movement. 1,676,441; July 10.
- Jackson, Simeon S., Hyde Park, assignor to The Stafford Company, Boston, Mass. Weft-replenishing loom. 1,688,309; Oct. 16.
- Jackson, Solomon N. (See Carrell, Hammel H., assignor.)
- Jackson, William H., Douglaston, N. Y. Sterilizing bearings for shafting. 1,666,013; Apr. 10.
- Jackson, William S., Bala, Pa., assignor of one-half to E. E. Workman and one-half to E. A. Robinson, Montreal, Quebec, Canada. Clamp for connector springs. 1,669,829; May 15.
- Jackson, William W., Oakdale, La. Grain door. 1,653,442; Feb. 7.
- Jacob, Alfred P., New York, N. Y. Straightedge. 1,658,683; Feb. 7.
- Jacob, Alfred P., New York, N. Y. Drawing-board attachment. 1,684,353; Sept. 11.
- Jacob, Clarence C., Myton, Utah. Weir differential gauge. 1,662,248; Mar. 13.
- Jacob, Elmer, North Adams, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to prevent unwinding of yarn from bobbins. 1,695,378; Dec. 18.
- Jacob, Emanuel, assignor to H. Jacob & Sons, Inc., Brooklyn, N. Y. Slipper. Des. 75,031; May 1.
- Jacob, George F., Evanston, Ill. Automobile lamp. 1,683,895; Sept. 11.
- Jacob, George F., Evanston, Ill. Headlamp for motor vehicles. 1,683,896; Sept. 11.
- Jacob, H., & Sons, Inc. (See Jacob, Emanuel, assignor.)
- Jacob, William G. R. (See Smith, W. S., McLachlan, and Jacob.)
- Jacobi, Edward N. (See Briggs, S. F., and Jacobi.)
- Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile instrument panel. Des. 77,236; Dec. 18.
- Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Ignition and lighting switch. 1,653,642; Feb. 7.
- Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Terminal-head fastening. 1,660,560; Feb. 28.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Locking device. 1,662,423; Mar. 13.
- Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Lighting and ignition switch. 1,664,110; Mar. 27.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Tumbler lock. 1,674,513; June 19.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Cylinder lock. 1,674,514; June 19.
- Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., 1,686,665; Oct. 9.
- Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Door latch for automobiles. 1,687,497; Oct. 16.
- Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Handle lock. 1,689,875; Oct. 30.
- Jacobi, Emil R., and F. H. Le Jeune, Jackson, assignors by mesne assignments, to Kelsey-Hayes Wheel Corporation, Detroit, Mich. Making metal wheels. 1,682,909; Sept. 4.
- Jacobi, Karl J., Roselle, N. J., assignor to Pacific Coast Borax Company, New York, N. Y. Heat treatment of alloys. 1,664,175; Mar. 27.
- Jacobi, Norbert J., Electra, Tex. Oil saver. 1,694,471; Dec. 11.
- Jacobs, Aaron J. (See Jacobs, Harry M. and A. J.)
- Jacobs, Anton. (See Wollensak, A. C., Jacobs, and Baldus.)
- Jacobs Brothers Co., The. (See Jacobs, Harry M. and A. J., assignors.)
- Jacobs, Charles F., Brooklyn, N. Y. Place indicator for tables. 1,692,742; Nov. 20.
- Jacobs, Daniel B., Salt Lake City, Utah. Garter. 1,666,823; Apr. 17.
- Jacobs, Ernest H., assignor to Electrical Engineers' Equipment Company, Chicago, Ill. Electric-conductor support. 1,663,007; Mar. 20.
- Jacobs, Ernest H., assignor to Electrical Engineers' Equipment Company, Chicago, Ill. Lightning arrester. 1,689,781; Oct. 30.
- Jacobs, Francis A., Warren, Ohio, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,677,183; July 17.
- Jacobs, Frank, Prairie, Idaho. Air and steam line coupler. 1,694,744; Dec. 11.
- Jacobs, George A., Chicago, Ill. Hinge. 1,667,806; May 1.
- Jacobs, Harry M. and A. J., assignors to The Jacobs Brothers Co., Inc., Brooklyn, N. Y. Combined scale casing and platform. Des. 75,119; May 8.
- Jacobs, James M. H., assignor to General Motors Research Corporation, Dayton, Ohio. Engine cylinder. 1,679,973; Aug. 7.
- Jacobs, James R., New York, N. Y. Football novelty. 1,659,874; Feb. 21.
- Jacobs, Joseph H., Rochester, N. Y. Curling-iron attachment. 1,691,115; Nov. 13.
- Jacobs, Joseph, New York, N. Y. Toy nursing bottle. 1,692,938; Nov. 27.
- Jacobs, Lionel L., Toronto, Ontario, Canada. Automatic damper. 1,659,875; Feb. 21.
- Jacobsen, Emil. (See Bascom, H. M., and Jacobsen.)
- Jacobsen, Emil, New York, N. Y., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Semiautomatic telephone system. 1,677,451; July 17.
- Jacobsen, Emil, Port Washington, and A. B. Sperry, said Jacobsen assignor to American Telephone and Telegraph Company and said Sperry assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,695,049; Dec. 11.
- Jacobsen, Karl O. F., Seattle, Wash. Swimming shoe. 1,688,498; Oct. 23.
- Jacobsen, Norman, Paris, France. Printing process by means of supports with rough surfaces. 1,672,319; June 5.
- Jacobsen, Norman R., Wellington, New Zealand. Golf tee. 1,678,944; July 31.

- Jacobsohn, Isadore M., Chicago, Ill., and S. Truscott, Birmingham, Ohio. Aircraft covering. 1,665,500; Apr. 10.
- Jacobson, Alph I., Madelia, Minn. Screen for automobile windows. 1,657,506; Jan. 31.
- Jacobson, Alvin E. (See Johnson, Paul A., assignor.)
- Jacobson, Arthur. (See Law, S. S., and Jacobson.)
- Jacobson, Arthur G., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Gripper mechanism. 1,675,559; July 3.
- Jacobson, Axel C., San Francisco, Calif. Sawing machine. 1,660,710; Feb. 28.
- Jacobson, Bernard H. (See Stone, H. G., and Jacobson.)
- Jacobson, David L. (See Sperr, F. W., Jr., and Jacobson.)
- Jacobson, Harry. (See Heitel, Harry and J., assignors.)
- Jacobson, Henry A. (See Bishop, B. S. T., and Jacobson.)
- Jacobson, Herman W., assignor of one-third to F. M. Tice, Fonda, Iowa. Wrench. 1,680,789; Aug. 14.
- Jacobson, Hugo W., Arlington, assignor to Gould & Eberhardt, Newark, N. J. Feed control for shaping-machine worktables. 1,690,583; Nov. 6.
- Jacobson, John, Galveston, Tex. Protective cap for wood piling. 1,681,857; Aug. 21.
- Jacobson, John, Galveston, Tex. Key aligner. 1,681,858; Aug. 21.
- Jacobson, Moses, Camden, N. J. Electrical instrument. 1,671,473; May 29.
- Jacobson, Moses, New York, assignor of one-half to W. A. Schacht, Brooklyn, N. Y. Frequency-sequence selector or frequency-determining apparatus for radiocircuits. 1,656,520; Jan. 17.
- Jacobson, William A. (See Sheridan, F. B., and Jacobson.)
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Waste-heat boiler. 1,657,477; Jan. 31.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Cement-kiln system. 1,658,443; Feb. 7.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,677,969; July 24.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace wall. 1,679,725; Aug. 7.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-level indicator. 1,682,843; Sept. 4.
- Jacobus, David S., Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,692,171; Nov. 20.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Tube-cleaning device. 1,693,115; Nov. 27.
- Jacobus, David S., Jersey City, N. J., assignor, by mesne assignments, to Fuller Lehigh Company. Furnace wall. 1,696,239; Dec. 25.
- Jacobus, David S., Jersey City, N. J., and W. A. Jones, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. 1,672,532; June 5.
- Jacobus, David S., Montclair, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat-transfer device. 1,668,965; May 8.
- Jacobus, George R., Hawthorne, N. J. Inflatable game ball. 1,692,305; Nov. 20.
- Jacobus, William L. (See Grant, R. F., Worthington, and Jacobus.)
- Jacoby, Harry L. (See Hires, J. E., and Jacoby.)
- Jacoby, Raymond W., Forest Hills, N. Y., assignor to The Deltex Co. Treating printed or dyed fabrics. 1,663,845; Mar. 27.
- Jacoby, Raymond W., Providence, R. I., assignor to The Deltex Company. Apparatus for treating printed or dyed fabrics. 1,663,846; Mar. 27.
- Jacocks, George T., assignor to The Whitlock Coil Pipe Company, West Hartford, Conn. Heat-exchange apparatus. 1,691,012; Nov. 6.
- Jacquard Knitting Machine Co. (See Adler, A. A., and Albertman, assignors.)
- Jacques, Jean, and A. R. Cosgrove, assignors to Martin-Patry Corporation, York, Pa. Ice tray for electrical refrigeration. 1,691,481; Nov. 13.
- Jacques, Raynaldo P., Woonsocket, R. I., assignor to Adams Industries, Inc., New York, N. Y. Flexible tubular conduit. 1,695,263; Dec. 11.
- Jacques, Raynaldo P., Woonsocket, R. I., assignor to Adams Industries, Inc., New York, N. Y. Making grease cups. 1,695,496; Dec. 18.
- Jacquot, Gaston L., Tyler, Minn. Sphygmomanometer. 1,673,513; June 12.
- Jade, Hans, San Francisco, Calif. Bascule toy bridge. 1,661,429; Mar. 6.
- Jaech, O. (See Theis, George E., assignor.)
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,660,511; Feb. 28.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of crude aromatic hydrocarbons. 1,674,472; June 19.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric-acid process. 1,675,309; June 26.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of benzoic acid and its derivatives. 1,685,634; Sept. 25.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of anthracene. 1,685,635; Sept. 25.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of benzoic acid and its derivatives. 1,686,913; Oct. 9.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of naphthalene. 1,692,126; Nov. 20.
- Jaeger, Alphons O., Crafton, Pa., assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Purification of crude anthracene. 1,693,713; Dec. 4.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric-acid process. 1,694,123; Dec. 4.
- Jaeger, Alphons O., Crafton, assignor to The Selden Company, Pittsburgh, Pa. Purification of benzoic acid and its derivatives. 1,694,124; Dec. 4.
- Jaeger, Alphons O., Crafton, assignor, by mesne assignments, to The Selden Research & Engineering Corporation, Pittsburgh, Pa. Base-exchange body. 1,694,620; Dec. 11.
- Jaeger, Alphons O., Hamburg, N. Y., assignor to The Selden Company, Pittsburgh, Pa. Reviving catalysts. 1,678,626; July 24.
- Jaeger, Alphons O., Hamburg, N. Y., assignor to The Selden Company, Pittsburgh, Pa. Regenerating catalysts. 1,678,627; July 24.
- Jaeger, Alphons O., assignor to The Selden Company, Pittsburgh, Pa. Contact sulphuric-acid process. 1,675,308; June 26.
- Jaeger, Alphons O., assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,682,787; Sept. 4.
- Jaeger, Alphons O., Pittsburgh, assignor to The Selden Company, Pittsburgh, Pa. Catalytic apparatus. 1,685,672; Sept. 25.
- Jaeger, Alphons O., assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of organic compounds. 1,694,122; Dec. 4.
- Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo. Catalytic oxidation of sulphur dioxide. 1,657,754; Jan. 31.
- Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo., assignors to Selden Company, Pittsburgh, Pa. Catalytic oxidation of sulphur dioxide. 1,657,753; Jan. 31.
- Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo.; said Jaeger assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of sulphur dioxide. 1,695,285; Dec. 18.
- Jaeger, Alphons O., and J. A. Bertsch, St. Louis, Mo.; said Jaeger assignor to The Selden Company, Pittsburgh, Pa. Catalytic oxidation of sulphur dioxide. 1,696,546; Dec. 25.
- Jaeger, Frank J., Toledo, Ohio. Bumper for motor vehicles. 1,687,337; Oct. 9.
- Jaeger, Gebhard, Columbus, Ohio. Batch meter for concrete mixers. 1,682,340; Aug. 28.
- Jaeger, Gebhard, Columbus, Ohio. Jacking device for vehicle beds. 1,682,910; Sept. 4.
- Jaeger, Gebhard, Columbus, Ohio. Hopper concrete mixer. 1,692,374; Nov. 20.
- Jaeger, Max, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Hermetic seal and method. 1,671,903; May 29.
- Jaeger, Max, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Vessel-handling device. 1,679,527; Aug. 7.
- Jaeger, Max, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Glass-blowing machine. 1,693,843; Dec. 4.
- Jaeger, Oliver, and E. Lueht, assignors to Trierer Walzwerk Aktiengesellschaft, Trier im Rheinland, Germany. Applying a plating of aluminum to iron and steel sheets and bands. 1,667,787; May 1.
- Jaeger, Robert, et al. (See Hamilton, Frederick H., assignor.)
- Jack, Carl, Bern, Switzerland, assignor of one-fourth to United Piece Dye Works. Printing block or cylinder. 1,687,498; Oct. 16.
- Jaenicke, William H., Oakland, Calif., assignor to Mathews Conveyor Company, Ellwood City, Pa. Retarding conveyor rolls. 1,660,512; Feb. 28.
- Jaeschke, Alfred, Los Angeles, Calif. Can-spout-seal cutter. 1,684,447; Sept. 18.
- Jaffe, Harry, Detroit, Mich., assignor to Kalman Steel Company, Chicago, Ill. Automobile radiator. 1,662,064; Mar. 13.
- Jaffe, Joseph L., and R. J. Monroe, assignors to The Perfelite Company, Cleveland, Ohio. Lighting fixture. Des. 77,096; Dec. 4.
- Jaffe, Joseph L., and F. Wening; said Wening assignor to said Jaffe, Cleveland, Ohio. Lighting fixture. 1,688,120; Oct. 16.
- Jaffe, Lawson L., Chicago, Ill., assignor to S. Wechter Company. Ring or similar article. Des. 75,796; July 17.
- Jaffe, Lawson L., assignor to S. Wechter Company, Chicago, Ill. Ring or similar article. Des. 75,797; July 17.

- Jaffe, Maurice J., New Haven, Conn., and J. Chankin, New York, N. Y. Holder for nursing bottles or other vessels. 1,662,518; Mar. 13.
- Jaffe, Meyer. (See Goldstein, A. L., and Jaffe.)
- Jaffe, Samuel. (See Kanner, S., and Jaffe.)
- Jaffe, Samuel, Memphis, Tenn. Dining chair. 1,693,512; Nov. 27.
- Jagenberg-Werke Akt.-Ges. (See Bäuml, Maximilian, assignor.)
- Jagenburg, Eugene R., Douglaston, N. Y. Fruit-cutting machine. 1,657,213; Jan. 24.
- Jagenburg, Eugene R., Douglaston, N. Y. Fruit and vegetable cutting machine. 1,671,723; May 29.
- Jager, Earl F., Chicago, assignor of one-half to F. Jager, Desplaines, and one-half to E. J. Spry, Chicago, Ill. Car-door hanger. 1,659,823; Feb. 21.
- Jager, Frank, et al. (See Jager, Earl F., assignor.)
- Jaggschütz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Bavaria, Germany. Gasometer. 1,677,524; July 17.
- Jahant, Augustus P., assignor to The Akron Standard Mold Company, Akron, Ohio. Mold-engraving machine. 1,667,036; Apr. 24.
- Jahant, Charles J., assignor to The General Tire & Rubber Company, Akron, Ohio. Golf club. Re17,076; Sept. 4.
- Jahn, Augustus H., Pittsburgh, Pa. Vacuum tube. 1,666,858; Apr. 17.
- Jahn, Berthold, New Britain, assignor to G. H. Heyn, Westport, Conn. Stapling machine. 1,679,662; Aug. 7.
- Jahn, Gottlieb, Kiel, and A. Runkwitz, Elenschengaben, near Kiel, assignors to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Horizontal waste-gas steam boiler. 1,650,380; Aug. 14.
- Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Oil-engine control. 1,659,656 Feb. 21.
- Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Governor control for internal-combustion engines. 1,678,908; July 31.
- Jahnke, Charles B., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Ignition system. 1,679,220; July 31.
- Jahnke, Kurt, Ludwigsburg, Germany. Producing a hard low-temperature coke. 1,665,665; Apr. 10.
- Jahns, Lewis E., Morton Grove, Ill. Golf sand-tee molder. 1,657,998; Jan. 31.
- Jahrstorfer, Michael. (See Pungs, W., and Jahrstorfer.)
- Jakobovits, Martin. (See Weinberger, V., and Jakobovits.)
- Jakobsen, Jens P. H., Odense, Denmark. Self-sharpening plowshare. 1,692,086; Nov. 20.
- Jakobsson, Herman. (See Crook, Louis H., assignor.)
- Jakopets, Gyruro E. B., assignor to J. Salley, Chicago, Ill. Permutation padlock. 1,666,453; Apr. 17.
- Jakosky, John J., Los Angeles, Calif. Process and apparatus for producing printing ink. 1,673,245; June 12.
- Jakosky, John J., Los Angeles, Calif. Petroleum-cracking process and apparatus. 1,689,590; Oct. 30.
- Jakosky, John J., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical sound reproduction. 1,671,292; May 29.
- Jakubowski, Teofil. (See Szczesny, F., and Jakubowski.)
- Jamerson, Gus A., Cincinnati, Ohio. Chassis-lubrication-control device. 1,661,663; Mar. 6.
- Jamerson, Gus A., assignor to M. Stern, Cincinnati, Ohio. Automobile chassis-lubricating system. 1,690,490; Nov. 6.
- Jamerson, Gus A., assignor to M. Stern, Cincinnati, Ohio. Lubricator. 1,690,636; Nov. 6.
- James, Andrew C., Houston, Tex. Electrode holder. 1,682,523; Aug. 28.
- James, Andrew C., Houston, Tex. Composition of matter. 1,682,524; Aug. 28.
- James, Charles L., San Francisco, Calif. Razor-blade sharpener. 1,694,544; Dec. 11.
- James, Charley, Corydon, Iowa. Check-correcting means for planters. 1,671,428; May 29.
- James, Clayton D., Lyon Village, Va. Hydraulic power-transmission device. 1,696,307; Dec. 25.
- James, Cleveland A. (See Miller, E. A., and James.)
- James, Frederic W. (See Nelson, N. P., and James.)
- James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. Re16,851; Jan. 17.
- James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,664,216; Mar. 27.
- James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic switch. 1,684,060; Sept. 11.
- James, Henry D., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,686,666; Oct. 9.
- James, Henry N., Miami, Fla. Scissors and shears. 1,666,968; Apr. 24.
- James, Henry N., Miami, Fla. Cloth cutter. 1,666,969; Apr. 24.
- James, Henry V., Malt Lane, Radlett, England. Braking mechanism for printing machines. 1,672,320; June 5.
- James, John F., Sacramento, Calif. Universal marking machine. 1,660,616; Feb. 28.
- James, Joseph C., Antioch, Ill. Fish stringer. 1,674,045; June 19.
- James, Joseph H., Pittsburgh, Pa. Oxidizing mineral hydrocarbons. 1,667,419; Apr. 24.
- James, Joseph H., assignor to C. P. Byrnes, Pittsburgh, Pa., trustee. Producing oxidation products from gaseous hydrocarbons. 1,675,029; June 26.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Treating partial oxidation products. 1,681,185; Aug. 21.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Insoluble soap and making an insoluble soap from aldehyde fatty acid mixtures of mineral oil. 1,681,237; Aug. 21.
- James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Purifying partial oxidation products. 1,681,238; Aug. 21.
- James Manufacturing Company. (See Shodron, John G., assignor.)
- James, Samuel W., Chicago, Ill. Service tray. Des. 76,482; Oct. 2.
- James, Samuel W., assignor to Better Table Service, Inc., Chicago, Ill. Service platter. Des. Re16,950; May 1.
- James, Sidney V., Niagara Falls, N. Y., assignor to Sheets-Rockford Silver Company, Rockford, Ill. Spoon or similar article. Des. 74,887; Apr. 10.
- James, Sidney V., Niagara Falls, N. Y., assignor to Sheets-Rockford Silver Company, Rockford, Ill. Spoon or similar article. Des. 75,033; May 1.
- James, Thomas J., Buckner, assignor of one-half to E. W. Higgins, Crewe, Va. Clothesline. 1,692,743; Nov. 20.
- James, Ulysses S., Newark, N. J. Vibrator. 1,690,901; Nov. 6.
- James, Walter R., Chicago, Ill. Hat hanger. 1,655,609; Jan. 10.
- James, Wathen M., Denver, Colo. Outdoor signboard. Des. 76,616; Oct. 16.
- James, Will C., assignor to The Kemper-Thomas Company, Norwood, Ohio. Outdoor sign. 1,662,676; Mar. 13.
- James, William B., assignor to A. H. Aarons, Los Angeles, Calif. Dial telephone locking device. 1,696,038; Dec. 18.
- James, William S., Berkeley, Calif. Decelerometer or the like. 1,668,809; May 8.
- James, William T., Chicago, Ill. Speed-changing gearing. 1,655,316; Jan. 3.
- James, William T., Chicago, Ill. Flying machine. 1,655,317; Jan. 3.
- Jameson, Charlie A., Franklin, Nebr. Rosette. 1,656,792; Jan. 17.
- Jamestown Blower Company. (See Nelson, E. H., and Tingwall, assignors.)
- Jamestown Car Parts Mfg. Co. (See Diamant, Nicholas, assignor.)
- Jamieson, Charles M., assignor, by mesne assignments, to Brogdex Company, Winter Haven, Fla. Apparatus for coating articles. 1,663,987; Mar. 27.
- Jamison, George W. (See Smith, L. B., and Jamison.)
- Jamison, Robert W., Los Angeles, Calif. Combined merry-go-round and seesaw. 1,659,735; Feb. 21.
- Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave signalling system. 1,658,337; Feb. 7.
- Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifying repeater. 1,665,501; Apr. 10.
- Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave transmission. 1,675,893; July 3.
- Jammer, Jacob S., Sydney, New South Wales, Australia, assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave transmission. 1,658,339; Feb. 7.
- Jammer, Jacob S., New York, N. Y., and C. W. Green, Millburn, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Two-way repeater. 1,658,338; Feb. 7.
- Janca, Joseph J., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Short-circuiting mechanism. 1,664,561; Apr. 3.
- Jancke, Benno F., Brooklyn, assignor to Townsend Manufacturing Company, Inc., New York, N. Y. Pad for permanent waving of hair. 1,687,249; Oct. 9.
- Jancovius, George T., Nutley, N. J. Carpet-cleaning machine. 1,660,334; Feb. 28.
- Janda, Rudolph W. (See Anderson, C. F., and Janda.)
- Janda, Rudolph W., assignor to Conlon Corporation, Cicero, Ill. Clutch. 1,660,448; Feb. 28.
- Jandus, Herbert S. (See Jandus, William, assignor.)
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 74,747; Mar. 20.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 75,123; May 8.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. Des. 75,564; June 19.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,798; July 17.

- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,799; July 17.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,800; July 17.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 77,097; Dec. 4.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Impact sections for a vehicle bumper. Des. 77,101; Dec. 4.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper-attaching means. 1,690,821; Nov. 6.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Center clamp. 1,690,861; Nov. 6.
- Jandus, Herbert S., assignor to The C. G. Spring and Bumper Company, Detroit, Mich. Bumper-supporting means. 1,691,885; Nov. 13.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper clamp. 1,693,513; Nov. 27.
- Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper support. 1,696,884; Dec. 25.
- Jandus, Herbert S., and W. Meyerhuber, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,806; Nov. 6.
- Jandus, Herbert S., and J. R. Morgan, Detroit, Mich. Clamp. Des. 76,802; Nov. 6.
- Jandus, Herbert S., and J. R. Morgan, Detroit, Mich. Clamp plate. Des. 76,807; Nov. 6.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 74,266; Jan. 17.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 74,306; Jan. 24.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 74,307; Jan. 24.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 74,308; Jan. 24.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 74,746; Mar. 20.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Support arm. Des. 74,748; Mar. 20.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,251; May 22.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,252; May 22.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,253; May 22.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,254; May 22.
- Jandus, Herbert S., and W. Meyerhuber, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,255; May 22.
- Jandus, Herbert S., and W. Meyerhuber, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,256; May 22.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,257; May 22.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 75,368; May 29.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 75,627; June 26.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 76,243; Sept. 4.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 76,244; Sept. 4.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumper. Des. 76,396; Sept. 25.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,397; Sept. 25.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,398; Sept. 25.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,803; Nov. 6.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,804; Nov. 6.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 77,100; Dec. 4.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 77,155; Dec. 11.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 77,156; Dec. 11.
- Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Plate for vehicle bumpers. Des. 77,157; Dec. 11.
- Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. Des. 75,120; May 8.
- Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. Des. 75,121; May 8.
- Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 75,249; May 22.
- Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 76,688; Oct. 23.
- Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. Des. 77,238; Dec. 18.
- Jandus, Herbert S., and R. A. Flum, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. 1,691,886; Nov. 13.
- Jandus, Herbert S., and W. Meyerhuber, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,805; Nov. 6.
- Jandus, Herbert S., and L. H. Reed, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,696,883; Dec. 25.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 74,927; Apr. 17.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 74,977; Apr. 24.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 74,978; Apr. 24.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. Des. 75,122; May 8.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Mask plate for vehicle bumpers. Des. 75,250; May 22.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,800; Nov. 6.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate. Des. 76,801; Nov. 6.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Mask plate for vehicle bumpers. Des. 77,098; Dec. 4.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp plate for vehicle bumpers. Des. 77,099; Dec. 4.
- Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Mask plate for vehicle bumpers. Des. 77,237; Dec. 18.
- Jandus, William, East Cleveland, Ohio, assignor of one-half to H. S. Jandus, Detroit, Mich. Measuring instrument. 1,677,864; July 17.
- Janecek, Adolph J., Cedar Rapids, Iowa. Tempered-air directioner. 1,689,489; Oct. 30.
- Janes, Leslie S., New York, N. Y. End or corner piece. 1,668,909; May 8.
- Janette, John T., Chicago, Ill. Safety device for fuel systems. 1,677,970; July 24.
- Janette, John T., Chicago, Ill. Mortar and pump. 1,682,788; Sept. 4.
- Janette, John T., Chicago, Ill. Controlling apparatus. 1,682,789; Sept. 4.
- Janette, John T., Chicago, Ill. Electrical contact. 1,682,790; Sept. 4.
- Janik, Boleslaw A., Milwaukee, Wis. Auxiliary bearing for saw-carriage piston rods. 1,681,615; Aug. 21.
- Jänisch, Hermann, Linbach, Germany, assignor by mesne assignments, to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Sewing machine. 1,656,978; Jan. 24.
- Janisch, John L., Chicago, Ill. Mold for vaults and the like. 1,692,447; Nov. 20.
- Janke, Emil. (See Blattner, Frederick, jr., and Janke.)
- Jankowski, John F., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Can opener. 1,674,646; June 26.
- Jankus, Jack C., Scranton, Pa., assignor, by mesne assignments, to Iceless Automatic Refrigerator Company. Turning plug. 1,666,496; Apr. 17.
- Jannette, John T., Chicago, Ill. Contact holder. 1,665,550; Apr. 10.
- Janney, Curtis L., Brandywine Springs, Del. Tile-setting tool. 1,671,429; May 29.
- Janoir, Louis, St.-Ouen, France. Device for mounting glasses on the doors of vehicles. 1,680,886; Aug. 14.
- Janos, Peter. (See Dicomes, J., and Janos.)
- Jansen, Carl, New York, N. Y. Lace for footwear. 1,685,489; Sept. 25.
- Jansen, Hermannus J., Schiedam, Netherlands. Process and apparatus for the distillation and cracking of hydrocarbon oils. 1,672,459; June 5.

- Jansky, Charles G., Berwyn, Ill. Electrical connector. 1,684,583; Sept. 18.
- Janson, George W., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Call-box trouble detector. 1,686,492; Oct. 2.
- Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Braider spool. 1,657,755; Jan. 31.
- Janssen, Webster E., New York, N. Y. Combined piano case and writing desk. Des. 76,483; Oct. 2.
- Janssen, William, Lagrange, Tex. Dump truck. 1,678,569; July 24.
- Jansson, Axel J., Hillside, N. J., assignor, by mesne assignments, to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,674,647; June 26.
- Jantsch, Gustav, Bonn-on-the-Rhine, and P. Wolski, Wiesdorf-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Producing lithopone fast to light. 1,693,902; Dec. 4.
- Janzen, Otto, Berlin, Germany. Stop for the driving gears of dynamo pocket lamps operated by hand levers and toothed segments. 1,658,087; Feb. 7.
- Japy, Albert P., Berne-Seloncourt, France. Pulsometer. 1,664,927; Apr. 3.
- Jaquemot, Eugène. (See Pattay, M. A., and Jaquemot.)
- Jakes, Donald E. (See Coats, H. B., Jakes, and Holmes.)
- Jakes, Donald E. (See Holmes, A. W., Jakes, and Coats.)
- Jakes, Fernando O., jr., Providence, R. I. False-teeth tooth crown. 1,662,924; Mar. 20.
- Jarboe, Grant, Findlay, Ohio. Shears sharpener. 1,684,866; Sept. 18.
- Jarboe, Thomas, San Francisco, Calif. Hot plate. 1,695,711; Dec. 18.
- Jardine, Robert, Detroit, Mich., Rich Tool Company, Chicago, Ill. Making valves. 1,688,423; Oct. 23.
- Jardine, Robert, assignor to Rich Tool Company, Detroit, Mich. Valve and making same. 1,658,925; Feb. 14.
- Jardine, Robert, assignor to Rich Tool Company, Chicago, Ill. Motor valve and alloy steel therefor. 1,660,925; Feb. 28.
- Jardine, William H., Philadelphia, Pa. Damper-actuating mechanism. 1,659,362; Feb. 14.
- Jarecki, Frank J., Grand Rapids, Mich. Latch. 1,675,176; June 26.
- Jarnowski, Pete, Chicago, Ill. Ventilated building. 1,686,453; Oct. 2.
- Jaroach, Antoni, Yorkville, Ohio. Window screen. 1,685,027; Sept. 18.
- Jaroslaw's Erst Glimmerwarenfabrik in Berlin. (See Hünermann, Peter A., assignor.)
- Jarred, Omar W., Kansas City, Mo. Antislip composition. 1,672,813; June 5.
- Jaslett, Charles H., Croydon, England. Advertising and like device. 1,655,866; Jan. 10.
- Jarvis, Charles H., assignor to United Steel & Wire Company, Battle Creek, Mich. Display rack. 1,664,036; Mar. 27.
- Jarvis, Frank J. (See Jarvis, Nelson L. and F. J.)
- Jarvis, George E., Superior, Wis. Door construction. 1,656,278; Jan. 17.
- Jarvis, Gunnard A., Monongahela, Pa. Tractor hitch. 1,659,876; Feb. 21.
- Jarvis & Jarvis, Inc. (See Jarvis, Nelson L. and F. J., assignors.)
- Jarvis, Nelson L. (See Dauplaise, Noah L., assignor.)
- Jarvis, Nelson L. and F. J., assignors to Jarvis & Jarvis, Inc., Palmer, Mass. Caster. 1,665,882; Apr. 10.
- Jarvis, Nelson L. and F. J., assignors to Jarvis & Jarvis, Inc., Palmer, Mass. Caster. 1,669,165; May 8.
- Jarvis, W. B., Company. (See Chapel, George L., assignor.)
- Jarvis, W. B., Company. (See Ruppel, Frederick C., assignor.)
- Jarvis, William B., Grand Rapids, Mich. Radiator cap. 1,683,038; Sept. 4.
- Jaschke, Otto, Crowley, La. Extracting, separating, and utilizing the starch and protein contents of rice. 1,681,118; Aug. 14.
- Jaschun, Herman, Brooklyn, assignor of one-half to R. Winston, New York, N. Y. Folding license plate. 1,689,140; Oct. 23.
- Jasper, Ida, Quincy, Ill. Game. 1,669,470; May 15.
- Jasper, Louis M., Los Angeles, Calif. Bottle. Des. 75,426; June 5.
- Jaspersen, Hilton, Philadelphia, Pa. Car bumper. 1,659,363; Feb. 14.
- Jassen, Bern and H., Brooklyn, N. Y. Bracket carrier for windshield deflectors. 1,684,493; Sept. 18.
- Jassen, Harry. (See Jassen, Bern and H.)
- Jatlow, Jacob L. (See Crouse, G. B., and Jatlow.)
- Jaton Manufacturing Corporation. (See Seidell, L., and Jack, assignors.)
- Jatunn, Lillian, Troy, Mont. Toy monoplane. 1,690,973; Nov. 6.
- Jauss, Carlos L., Mexico, Mex. Electromagnet. 1,666,970; Apr. 24.
- Javal, Fernand, Paris, France, assignor to Houbigant, Inc., New York, N. Y. Bottle. Des. 76,138; Aug. 21.
- Jaworowski, Joseph F., et al. (See Jaworowski, Joseph F., assignor.)
- Jaworowski, Joseph F., Cleveland, Ohio. Air pump. 1,677,780; July 17.
- Jaworowski, Joseph F., assignor, by mesne assignments, to J. F. Jaworowski and S. Dettelbach, Cleveland, Ohio. Rotary pump. 1,654,883; Jan. 3.
- Jaworowski, Joseph F., assignor, by mesne assignments, to J. F. Jaworowski and S. Dettelbach, Cleveland, Ohio. Rotary pump. 1,690,727; Nov. 6.
- Jaworowski, Joseph F., assignor, by mesne assignments, to J. F. Jaworowski and S. E. Dettelbach, Cleveland, Ohio. Rotary pump. 1,690,728; Nov. 6.
- Jaworski, Paul, Wielkie-Hajduki, Poland, assignor to the firm Bismarckhütte, Bismarckhütte/Polnisch Oberschlesien. Gas producer. 1,693,483; Nov. 27.
- Jeanmaire, Edward, San Francisco, Calif. Milk-can cover. 1,674,332; June 19.
- Jean-Marie, Margaret. (See Gurnett, Arthur R., assignor.)
- Jeanson, Mari, Etrelles, France. Combined rake and binding apparatus. 1,685,163; Sept. 25.
- Jebb, Clara, Orillia, Ontario, Canada. Thread cutter for sewing machines. 1,680,992; Aug. 14.
- Jefferies, Ebenezer A. W. (See Jefferies, Ernest S., assignor.)
- Jefferies, Ernest S., Hamilton, Ontario, Canada. Electric metal-stock heater. 1,682,968; Sept. 4.
- Jefferies, Ernest S., Hamilton, Ontario, Canada, assignor of one-third to E. A. W. Jefferies, Worcester, Mass. Apparatus for electrically heating metal bars. 1,689,876; Oct. 30.
- Jefferies, Samuel L., Gaffney, S. C. Cooler. 1,659,530; Feb. 14.
- Jeffers, Clarence E., assignor to Martin-Perry Corporation, York, Pa. Tire carrier. 1,656,521; Jan. 17.
- Jefferson Forge Products Company. (See Wilber, Carl L., assignor.)
- Jefferson, Ray C., Battle Creek, Mich. Friction draft gear. 1,668,810; May 8.
- Jeffery, Joseph A., Detroit, Mich., assignor to Champion Porcelain Company, Sagor. 1,677,452; July 17.
- Jeffery Manufacturing Co., The. (See Levin, Nils D., assignor.)
- Jeffrey, Fraser, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Induction-motor-control system. 1,671,076; May 22.
- Jeffrey Manufacturing Company, The. (See Lemmon, Alexis W., assignor.)
- Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
- Jeffrey Manufacturing Company, The. (See Liggett, William K., assignor.)
- Jeffrey Manufacturing Company, The. (See Montgomery, William J., assignor.)
- Jeffrey Manufacturing Company, The. (See Ossing, Stanley E., assignor.)
- Jeffreys, William, East Orange, N. J. Dental implement. 1,696,486; Dec. 25.
- Jeffries, William J., and S. W. Gibbons, Portland, Oreg. Automatic paper-folding machine. 1,690,902; Nov. 6.
- Jeffries, Zay, Shaker Heights, assignor to The Cleveland Trust Company, trustee, Cleveland, Ohio. Magnetic sound-reproducing device. 1,665,740; Apr. 10.
- Jeffries, Zay, and R. S. Archer, Cleveland, Ohio, assignors to American Magnesium Corporation, Niagara Falls, N. Y. Heat treating magnesium alloys. 1,689,630; Oct. 30.
- Jehle, Ferdinand, Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Lubrication system for internal-combustion engines. 1,665,366; Apr. 10.
- Jehle, Wilhelm, Donaueschingen-Karlshof, Germany, assignor of thirty-three and one-third per cent to E. Hertz, New York, N. Y., and thirty-three and one-third per cent to C. Hirsch, Kreuzlingen, Switzerland. Muffler for internal-combustion engines. 1,658,126; Feb. 7.
- Jelalian, Martin, Providence, R. I. Combined dirigible airship and nonsinkable sailing vessel for passenger service. 1,668,720; May 8.
- Jelley, James J. (See Ledyard, H. A., and Jelley.)
- Jellison, Roscoe B., assignor to Parker and Waterman Manufacturing Company, Los Angeles, Calif. Tire cover. 1,689,438; Oct. 30.
- Jellow, Timothy. (See Di Bona, G., and Jellow.)
- Jenaer Glaswerk Schott & Gen. (See Thiene, H., Prausnitz, and Schott, assignors.)
- Jencick, Stephen, Chagrin Falls, Ohio. Indicating device for internal-combustion engines. 1,663,600; Mar. 27.
- Jencick, Stephen, Chagrin Falls, Ohio. Flexible coupling. 1,694,064; Dec. 4.
- Jendick, Stephen, Cleveland, Ohio. Flexible coupling. 1,691,116; Nov. 13.
- Jeney, Mihaly, and P. Orban, New York, N. Y. Automatic railroad safety signal device. 1,664,297; Mar. 27.
- Jenkins, Addison, assignor to D. C. Jenkins Glass Company, Kokomo, Ind. Glass jar or similar container. Des. 75,124; May 8.
- Jenkins, Alexander F., Baltimore, Md. Cutting and welding torch. 1,662,519; Mar. 13.
- Jenkins, Alexander F., Baltimore, Md. Cutting and welding torch. 1,662,520; Mar. 13.
- Jenkins, Alexander F., Baltimore, Md. Fluid-pressure regulator. 1,679,826; Aug. 7.
- Jenkins, Bessie A., administratrix. (See Aarvig, Rasmus.)
- Jenkins, Carolyn T., Dunbar, Nebr. Udder protector. 1,663,408; Mar. 20.
- Jenkins, Charles E., Boston, Mass. Food-conveying apparatus. 1,669,246; May 8.
- Jenkins, Charles F., Washington, D. C. Radio vision mechanism. Re16,882; Feb. 14.

- Jenkins, Charles F., Washington, D. C. High-speed camera. Rel. 1,119; Oct. 30.
- Jenkins, Charles F., Washington, D. C. Electric transmission of graphic representation. 1,659,200; Feb. 14.
- Jenkins, Charles F., Washington, D. C. Radio vision illumination. 1,659,736; Feb. 21.
- Jenkins, Charles F., Washington, D. C. Synchronism in radio movies. 1,660,711; Feb. 28.
- Jenkins, Charles F., Washington, D. C. Rotary relay. 1,662,677; Mar. 13.
- Jenkins, Charles F., Washington, D. C. Light-concentrating device. 1,663,308; Mar. 20.
- Jenkins, Charles F., Washington, D. C. Grid-coupled cell circuit. 1,667,383; Apr. 24.
- Jenkins, Charles F., Washington, D. C. Grid-leak cell circuit. 1,667,384; Apr. 24.
- Jenkins, Charles F., Washington, D. C. Prism-lens unit. 1,677,590; July 17.
- Jenkins, Charles F., Washington, D. C. Spiral-mounted lens disk. 1,679,086; July 31.
- Jenkins, Charles F., Washington, D. C. Method of and apparatus for converting light impulses into graphic representations. 1,683,136; Sept. 4.
- Jenkins, Charles F., Washington, D. C. Method of and apparatus for converting light impulses into enlarged graphic representations. 1,683,137; Sept. 4.
- Jenkins, Charles F., Washington, D. C. Radio vision studio equipment. 1,684,736; Sept. 18.
- Jenkins, Charles F., Washington, D. C. Depth meter. 1,691,719; Nov. 13.
- Jenkins, Charles F., Washington, D. C. Picture transmission. 1,693,508; Nov. 27.
- Jenkins, Charles F., Washington, D. C. Resistor cell circuit. 1,693,509; Nov. 27.
- Jenkins, Charles F., Washington, D. C. Duplex radio-machine. 1,694,065; Dec. 4.
- Jenkins, Charles F., Washington, D. C. Reversing-propeller throttle control. 1,694,220; Dec. 4.
- Jenkins, Charles F., Washington, D. C. Light-converging-lens system. 1,695,980; Dec. 18.
- Jenkins, Charles F., Washington, D. C., assignor to Jenkins Laboratories. Electroscope picture reception. Rel. 1,688; Feb. 21.
- Jenkins, D. C., Glass Company. (See Jenkins, Addison, assignor.)
- Jenkins, Emerson, Danville, Ill. Wheel-aligning device. 1,668,208; May 1.
- Jenkins, George W., et al. (See Barnes, George, assignor.)
- Jenkins, Gerald S., University City, Mo. Electrical circuit. 1,673,116; June 12.
- Jenkins Interlock Manufacturing Company. (See Fogarty, John J., assignor.)
- Jenkins, John, Wormleysburg, Pa. Superheater for steam boilers. 1,674,552; June 19.
- Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
- Jenkins Machine Company. (See Stuedeman, Anton G., assignor.)
- Jenkins, Nathan, Chicago, Ill. Bathing garment. 1,661,725; Mar. 6.
- Jenkins, Ralph W., Daleville, Ind. Combination door jamb and handhold. 1,684,832; Sept. 18.
- Jenkins, Reginald W., Birkenhead, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Frame for windows, skylights, and the like. 1,668,564; May 8.
- Jenkins, Walter W. (See Bates, General J., assignor.)
- Jenkins, William M., Chicago, Ill. Wall board. 1,659,877; Feb. 21.
- Jenkins, William M., Chicago, Ill. Wall board. 1,690,229; Nov. 6.
- Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making tires. 1,659,321; Feb. 14.
- Jenkinson, Ross E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Bead-setting mechanism. 1,662,004; Mar. 6.
- Jenks, George E., Bacchus, Utah, assignor to Hercules Powder Company, Wilmington, Del. Refining wood rosin. 1,694,179; Dec. 4.
- Jenks & Muir Manufacturing Co. (See Coda, Christopher, F., assignor.)
- Jennens, John T., assignor of one-half to F. C. Hibberd, London, England. Support for articles. 1,671,293; May 29.
- Jenner, Charles W., New Westminster, British Columbia, Canada. Storage-battery plate and producing same. 1,665,962; Apr. 10.
- Jenner, Egbert C., Independence, Mo. Projecting machine. 1,677,237; July 17.
- Jenness, Leslie G., Leonia, N. J. Dry-cell element and making the same. 1,694,919; Dec. 11.
- Jenness-Miller, Anna Chard, England. Statuette. Des. 75,369; May 29.
- Jennoy, Melvin R., Melrose, assignor to J. J. Caffrey, trustee, Boston, Mass. Shock absorber. 1,686,381; Oct. 2.
- Jennings, Arthur J. (See Vogel, J. A., and Jennings.)
- Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Carrier-dispatch system. 1,668,529; May 1.
- Jennings, George. (See Jennings, William and G.)
- Jennings, Henry L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,655,958; Jan. 10.
- Jennings, Henry T. (See Geiger, E. A., Schraegle, and Jennings.)
- Jennings, Irving C., South Norwalk, Conn. Casing for impeller-type water pumps. 1,662,249; Mar. 13.
- Jennings, Irving C., South Norwalk, Conn. Method and apparatus relating to motor-driven pumps. 1,662,250; Mar. 13.
- Jennings, Irving C., South Norwalk, Conn. Check valve. 1,668,456; May 1.
- Jennings, Irving C., South Norwalk, Conn. Pumping apparatus for handling gases and liquids. 1,678,909; July 31.
- Jennings, Irving C., South Norwalk, Conn. Apparatus for supplying dehumidified air to ice-making plants. 1,680,381; Aug. 14.
- Jennings, Irving C., South Norwalk, Conn. Self-priming centrifugal liquid pump. 1,680,382; Aug. 14.
- Jennings, Irving C., South Norwalk, Conn. Universal coupling. 1,685,815; Oct. 2.
- Jennings, Irving C., South Norwalk, Conn. Adjusting and securing means for air-pump rotors. 1,689,726; Oct. 30.
- Jennings, Irving C., assignor to Nash Engineering Company, South Norwalk, Conn. Air and water pump in combination. 1,696,635; Dec. 25.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 75,915; July 31.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 75,916; July 31.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 75,917; July 31.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 75,918; July 31.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 75,919; July 31.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,303; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,304; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,305; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,306; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,307; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,308; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,309; Sept. 11.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,931; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,932; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,933; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,934; Nov. 30.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,935; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,936; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,937; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,938; Nov. 20.
- Jennings, James W., Providence, R. I., assignor to Quaker Silver Company, Attleboro, Mass. Salt and pepper shaker or similar article. Des. 76,939; Nov. 20.
- Jennings, Melvin O., East Lexington, assignor to H. H. Beckwith, Brookline, Mass. Apparatus for conditioning box toes. 1,689,631; Oct. 30.
- Jennings, Ode D. (See Barson, Harry W., assignor.)
- Jennings, Ode D., Chicago, Ill. Coin-return mechanism. 1,659,878; Feb. 21.
- Jennings, Oliver S., Mansfield, Ohio., assignor to Westinghouse Electric & Manufacturing Company. Circuit-breaker apparatus. 1,688,584; Oct. 23.
- Jennings, Oliver S., and F. G. von Hoorn, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Inclosed switch mechanism. 1,680,418; Aug. 14.
- Jennings, Victor H. (See Chevette, A. J., and Jennings.)

- Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detector-with-drawing means. 1,663,946; Mar. 27.
- Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector to stop loom. 1,692,992; Nov. 27.
- Jennings, Victor H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slip weft detector for looms. 1,695,377; Dec. 18.
- Jennings, Victor H., and H. H. Watson, assignors to Crompton & Knowles Loom Works, Worcester Mass. Weft-controlled loom stopping mechanism. 1,674,864; June 26.
- Jennings, Victor H., and H. H. Watson, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Dobby multiplier. 1,679,663; Aug. 7.
- Jennings, William and G. Morpeth, England. Screw and nut gearing. 1,675,494; July 3.
- Jennings, William A., Raytown, Mo. Boring mechanism. 1,674,863; June 26.
- Jennison-Wright Company, The. (See Brown, William I., assignor.)
- Jensen, Aage, Los Angeles, Calif. Apparatus for treating liquids. 1,692,270; Nov. 20.
- Jensen, Aage, Los Angeles, Calif. Pasteurizing liquids. 1,693,034; Nov. 27.
- Jensen, Alfred, New York, N. Y., assignor to Elliott-Fisher Company. Carbon guard for manifolding machines. 1,679,827; Aug. 7.
- Jensen, Andrew M., Stockton, Calif. Brush construction. 1,676,557; July 10.
- Jensen, Bertel M., Redondo Beach, Calif. Pump. 1,659,130; May 8.
- Jensen, Carl C., Chicago, Ill. Clamp nail. 1,664,687; Apr. 3.
- Jensen, Carl C., assignor to Clamp Nail Company, Chicago, Ill. Clamp nail. 1,677,092; July 10.
- Jensen, Carl C. A., Clarkston, Wash. Snow remover. 1,673,457; June 12.
- Jensen, Edith C., San Francisco, Calif. Stage garment. 1,695,590; Dec. 18.
- Jensen, Frederick, Buffalo, N. Y., assignor to B. E. Hill, Chicago, Ill. Centrifugal apparatus for and process of purifying liquids. 1,654,812; Jan. 3.
- Jensen, Henry E., et al. (See Vilneau, W. W., and Chittenden, assignors.)
- Jensen, James A., Philadelphia, Pa. Delay Mechanism. 1,672,384; June 5.
- Jensen, James A., assignor to Quaker City Iron Works, Philadelphia, Pa. Metallic container. 1,677,100; July 10.
- Jensen, Jens T., Westbrook, Me. Wire stretcher. 1,659,602; Feb. 21.
- Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Hand punch and the like. 1,685,604; Sept. 25.
- Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Metal shears. 1,690,303; Nov. 6.
- Jensen, Kreston R. (See Jensen, W. G. and K. R.)
- Jensen, Louis, assignor to United Autographic Register Company, Chicago, Ill. Autographic register. 1,658,723; Feb. 7.
- Jensen, Louis, assignor to United Autographic Register Company, Chicago, Ill. Autographic-register cash drawer. 1,666,385; Apr. 17.
- Jensen, Louis, assignor to United Autographic Register Company, Chicago, Ill. Registering paper webs. 1,693,035; Nov. 27.
- Jensen, Louis, assignor to United Autographic Register Company, Chicago, Ill. Filing mechanism for autographic registers. 1,694,782; Dec. 11.
- Jensen, Louis, and C. Winter, assignors to United Autographic Register Company, Chicago, Ill. Autographic register. 1,670,542; May 22.
- Jensen, Nels, Grass Valley, Calif. Linoleum knife. 1,655,610; Jan. 10.
- Jensen, Nels, Grass Valley, Calif. Stove-leg support. 1,655,611; Jan. 10.
- Jensen, Olaus, Seattle, Wash. Umbrella. 1,684,628; Sept. 18.
- Jensen, Oluf F., Council Bluffs, Iowa. Fluid brake for rotating shafts. 1,692,801; Nov. 20.
- Jensen, Peter S. B., assignor to Berlin Glove Co., Berlin, Wis. House slipper. 1,661,726; Mar. 6.
- Jensen, Soren K., Wichita, Kans. Insulated container. 1,665,033; Apr. 3.
- Jensen, Thomas C., Copenhagen, Denmark. Racing game valve. 1,691,521; Nov. 13.
- Jensen, Thorvald, St. Louis, Mo. Automotive drive. 1,655,101; Jan. 3.
- Jensen, Thorvald, St. Louis, Mo., assignor to The Winther Company, Wilmington, Del. Automotive drive. 1,655,100; Jan. 3.
- Jensen, Thorvald, St. Louis, Mo., assignor to The Winther Company, Wilmington, Del. Automotive drive. 1,664,562; Apr. 3.
- Jensen, William G. and K. R., Newata, Okla. Pump jack. 1,664,264; Mar. 27.
- Jensen, William G. and K. R., Nowata, Okla. Safety hook. 1,682,617; Aug. 28.
- Jenssen, G. D., Company. (See Jenssen, Jacob D., assignor.)
- Jenssen, Jacob D., assignor to G. D. Jenssen Company, New York, N. Y. Apparatus for making bisulphite liquor. 1,684,494; Sept. 18.
- Jepson, Arthur R., Minneapolis, Minn. Oil burner with air-whirling means. 1,662,270; Mar. 13.
- Jerabek, Bernard D., Hutchinson, Minn. Wheel puller. 1,656,731; Jan. 17.
- Jerabek, Benard D., Hutchinson, Minn. Wheel remover. 1,688,716; Oct. 23.
- Jerabek, Jerry J., Algoma, Wis. Mop and mop head. 1,675,218; June 26.
- Jereczek, Viktor, Weissensee, near Berlin, assignor to Stock Motorplugh Aktiengesellschaft, Berlin, Germany. Chain track for motor vehicles. 1,684,918; Sept. 18.
- Jernberg, Axel V., Tidaholm, Sweden. Producing artificial fogs. 1,665,267; Apr. 10.
- Jernberg, Carl R., assignor to Standard Forgings Company, Chicago, Ill. Forging apparatus. 1,685,849; Oct. 2.
- Jernberg, John O., St. Paul, Minn. Pneumatic motor. 1,673,514; June 12.
- Jerome, Benjamin, and W. D. Appel, Pontiac, assignors to General Motors Corporation, Detroit, Mich. Vehicle having brakes. 1,672,161; June 5.
- Jerome, George C., assignor to Stewart Manufacturing Corporation, Chicago, Ill. Making rod packing. 1,691,574; Nov. 13.
- Jerry, Carl R., Rochester, assignor to Shur-On Standard Optical Company, Inc., Geneva, N. Y. Case for ophthalmic mountings. Des. 74,673; Mar. 13.
- Jervis, Albert E., Nappanee, Ind. Water filter. 1,696,487; Dec. 25.
- Jeschke, Herbert, assignor to Demag Aktiengesellschaft, Duisburg, Germany. Valve for pneumatic tools. 1,662,576; Mar. 13.
- Jespersen, Helgo W., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-reeling mechanism. 1,657,308; Jan. 24.
- Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for working pulposus material. 1,659,953; Feb. 21.
- Jespersen, Helgo W., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for working pulposus material. 1,696,273; Dec. 25.
- Jessen, Arnold H., Los Angeles, Calif. Automatic gear shift. 1,693,080; Nov. 27.
- Jessen, Bernard O., Los Angeles, Calif. Orchard heater. 1,679,359; Aug. 7.
- Jessen, Charles C., assignor to Napon Rayon Corporation, Clifton, N. J. Spinning pot. 1,663,555; Mar. 27.
- Jessen, Victor, Copenhagen, Denmark. Device for actuating the coupling and the brake in automobiles. 1,677,718; July 17.
- Jesser, Albert E. (See McCrery, H. E., and Jesser.)
- Jessop, George A., assignor to S. Morgan Smith Company, York, Pa. Plate-steel wicket gate for turbines. 1,683,781; Sept. 11.
- Jessop, George A., assignor to S. Morgan Smith Company, York, Pa. Plate-sheet-steel turbine frame. 1,692,211; Nov. 20.
- Jessop, George A., assignor to S. Morgan Smith Company, York, Pa. Plate-sheet-steel turbine frame. 1,692,212; Nov. 20.
- Jester, Charles A. (See Brodfuehrer, B. B., Freeman, and Jester.)
- Jester, John M., Washington, D. C. Bottle. Des. 75,499; June 12.
- Jester, John R. (See Clark, A. T., Leonhauser, and Jester.)
- Jetmore, Harvey A., Lawrence, Kans. Tourist's cabinet. 1,669,131; May 8.
- Jett, George C., assignor to Runge Corn Harvester Company, Milwaukee, Wis. Gatherer. 1,665,034; Apr. 3.
- Jett, George C., assignor to two-fifths to W. H. Stienke, Milwaukee, Wis. Tractor steering mechanism. 1,666,210; Apr. 17.
- Jett, George C., assignor to Runge Corn Harvester Company, Milwaukee, Wis. Distributor. 1,694,657; Dec. 11.
- Jette, Archie N., Anaconda, Mont. Rabbie furnace. 1,670,038; May 15.
- Jewell, Danford, assignor of one-half to H. H. Phipps, Spokane, Wash. Transmission mechanism. 1,679,974; Aug. 7.
- Jewell Electrical Instrument Company. (See Miller, John H., assignor.)
- Jewell, Howard W., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Underground conduit. 1,679,427; Aug. 7.
- Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Door-closing apparatus. 1,659,201; Feb. 14.
- Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Door-closing apparatus. 1,659,202; Feb. 14.
- Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Door mounting. 1,680,332; Aug. 14.
- Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Sterilizer Company, Erie, Pa. Water seal for cleaning devices. 1,687,617; Oct. 16.
- Jewell, Theodore E., Newton, assignor to Waltham Bag and Paper Company, Waltham, Mass. Paper laundry bag. 1,692,777; Nov. 20.
- Jewett, John R., jr., Grand Island, Nebr. Dishpan holder for sinks. 1,685,233; Sept. 25.

- Jewett, Joseph E., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Nutsch filter. 1,661,290; Mar. 6.
- Jewett, Nelson J. (See Smith, W. W. Trevellyan, and Jewett.)
- Jewett, Nelson S., Tulsa, Okla. Road sign. 1,680,545; Aug. 14.
- Ježek, Rudolf. (See Richter, J., and Ježek.)
- Jiménez, Samuel, San Antonio, Tex. Time-controlled switch. 1,658,900; Feb. 14.
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Close-quarter drill. 1,657,930; Jan. 31.
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Handle for pneumatic tools. 1,691,720; Nov. 13.
- Jirotko, Bohumil, Berlin, Germany, assignor to the firm Dr. Otto Sprenger Patentverwertung Jirotko mit beschränkter Haftung, Vaduz, Lichtenstein. Producing hard homogeneous fuel or similar objects from peat, peat moss, lignite, and the like. 1,656,859; Jan. 17.
- Jirotko, Bohumil, Berlin, Germany, assignor to the firm Dr. Otto Sprenger Patentverwertung Jirotko mit beschränkter Haftung, Vaduz, Lichtenstein. Apparatus for producing hard homogeneous fuel or similar objects from peat, peat moss, lignite, or the like. 1,691,196; Nov. 13.
- Joannes Bros. Company. (See Martin, James W., assignor.)
- Joannes, Giuseppe, Turin, Italy. Thermometer. 1,670,577; May 22.
- Joannides, Christie, London, England. Artificial teeth and fixing the same. 1,685,541; Sept. 25.
- Job, Albert. (See Mieg, W., and Job.)
- Job, Albert, Elberfeld, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Vat dyestuffs of the pyridazine-anthraquinone series. 1,690,786; Nov. 6.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Stamping or embossing machine. 1,661,178; Mar. 6.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Multiple drilling mechanism. 1,661,179; Mar. 6.
- Jobst, Conrad, assignor, by mesne assignments, to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Brush-making machine. 1,664,420; Apr. 3.
- Jobst, Conrad, assignor, by mesne assignments, to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Tuft-forming mechanism. 1,664,421; Apr. 3.
- Jobst, Conrad, assignor, by mesne assignments, to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Work holder for brush machines. 1,664,422; Apr. 3.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Multiple work clamp for brush machines. 1,664,423; Apr. 3.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Tuft-separating mechanism for brush machines. 1,664,424; Apr. 3.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Continuous trimmer for brush machines. 1,664,425; Apr. 3.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Workholder for brush holding machines. 1,680,520; Aug. 14.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Universal brush machine. 1,680,521; Aug. 14.
- Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Co., Toledo, Ohio. Work holder for brush machines. 1,687,250; Oct. 9.
- Jockmus, Charles H., Ansonia, Conn. Electric switch. 1,654,813; Jan. 3.
- Jodeck, Paul. (See Edeleanu, L., Pfeiffer, Gress, and Jodeck.)
- Joel, Paul W. (See Riley, O. C., Joel, and Poar.)
- Joest, Anna. (See Linck, J., and Joest.)
- Joffe, Arthur L. (See Hartman, Harry B., assignor.)
- Joh. Moritz Rump A.-G. (See Reuss, Wilhelm, assignor.)
- Johansen, Thomas, Linthicum Heights, and E. Kehoe, Baltimore, Md. Paper-web-connecting mechanism for printing presses. 1,664,176; Mar. 27.
- Johansen, Thomas, and E. Kehoe, Baltimore, Md. Attaching rolls of paper to spindles. 1,671,724; May 29.
- Johann, Charles S., Monterey Park, assignor to CO₂ Fire Equipment Co., Los Angeles, Calif. Electromagnetic control for fluid containers. 1,671,368; May 29.
- Johann, Charles S., Monterey Park, assignor to CO₂ Fire Equipment Co., Los Angeles, Calif. Control for fluid containers. 1,671,369; May 29.
- Johannessen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,659,548; Feb. 14.
- Johannesmeyer, Charles G., Glendale, and A. R. McCann, assignors to The Liberty Machine Tool Company, Hamilton, Ohio. Tool holder for metal planers. 1,681,408; Aug. 21.
- Johannesson, Sigvald, Newark, N. J. Tunnel lining. 1,670,625; May 22.
- Johannson, Adolf. (See Brode, J., and Johannson.)
- Johanson, Harry C., Chicago, Ill., assignor to Sullivan Machinery Company. Blank-heating furnace. 1,688,814; Oct. 23.
- Johansen, Jens M., Omaha, Nebr. Combined milking stool and bucket. 1,604,545; Dec. 11.
- Johanson, Adolph T., Chicago, Ill. Water-mixing valve. 1,691,197; Nov. 13.
- Johanson, Adolph T., assignor of one-half to M. E. Page, Jr., Chicago, Ill. Water-heating unit. 1,685,453; Sept. 25.
- Johanson, Charles, Dover, N. J. Sheet-metal-forming machine. 1,669,338; May 8.
- Johanson, Emil, Chicago, Ill. Rail brace with tie plate. 1,679,528; Aug. 7.
- Johanson, Gustav H., and C. Wilhjelm, Philadelphia, Pa. Control mechanism. 1,655,815; Jan. 10.
- Johanson, Magnus H. (See Candee, A. H., and Johanson.)
- Johanson, Pehr, and D. E. Webster, assignors to Norton Company, Worcester, Mass. Rubber-bonded abrasive wheel and making same. 1,676,190; July 3.
- Johansson, Ernest G. (See Palmer, G. E., and Johansson.)
- Johansson, Ernest G., Boston, assignor, by mesne assignments, to The Palmer Electric & Manufacturing Co., Waltham, Mass. Casing for safety switches. 1,685,490; Sept. 25.
- Johansson, Ernest G., Boston, assignor, by mesne assignments, to The Palmer Electric & Manufacturing Co., Waltham, Mass. Safety switch. 1,693,952; Dec. 4.
- Johansson, Karl A. A., Stockholm, Sweden. Device for the erection and keeping of typewriters. 1,690,822; Nov. 6.
- John, Peter, Milwaukee, Wis. Drip pan for flush tanks. 1,669,056; May 8.
- John, W. P. (See Mason, Frank N., assignor.)
- John-Werk Grafische Maschinen-Aktiengesellschaft. (See Stegmann, Karl, assignor.)
- Johns, Herman S., Ada, Okla. Meat tenderer. 1,678,699; July 31.
- Johns, Lee, Miami, Fla. Tool for facilitating baiting of trap hooks. 1,660,617; Feb. 28.
- Johns, Robert I. (See Dow, Alva M., assignor.)
- Johns, Thomas H., Etowah, Tenn. Road sign. Des. 77,006; Nov. 27.
- Johnsen, Einar A., Mountain Lakes, assignor to Engineering Development Company, New Brunswick, N. J. Condenser. 1,684,959; Sept. 18.
- Johns-Manville Corporation. (See Eisenhardt, Frank J., assignor.)
- Johns-Manville Corporation. (See Kemper, Ray T., assignor.)
- Johns-Manville Corporation. (See Seigle, William R., assignor.)
- Johns-Manville Corporation. (See Williams, Samuel A., assignor.)
- Johns-Manville, Inc. (See Wardell, Henry R., assignor.)
- Johnson, A. L. (See Clay, William H., assignor.)
- Johnson, Agnar, Rockford, Ill. Sled. 1,655,228; Jan. 3.
- Johnson, Albert C., Chicago, Ill. Can. 1,695,286; Dec. 18.
- Johnson, Albert L., Wilernie, Minn. Signal for vehicles. 1,670,115; May 15.
- Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Feed mechanism for drilling machines. 1,668,647; May 8.
- Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Automatic machine tool. 1,679,529; Aug. 7.
- Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Automatic drilling or tapping machine. 1,679,530; Aug. 7.
- Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Gang machine tool. 1,679,531; Aug. 7.
- Johnson, Alex. Helena, Mont. Tool. 1,669,339; May 8.
- Johnson, Alfred, Richfield, Minn. Overalls. 1,664,612; Apr. 3.
- Johnson, Alfred E., Denver, Colo. Holst controller. 1,677,108; July 10.
- Johnson, Alfred F., Somerville, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,691,013; Nov. 6.
- Johnson, Alfred H., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,666,741; Apr. 17.
- Johnson, Alfred H., assignor to National Standard Company, Niles, Mich. Lifting jack. 1,666,742; Apr. 17.
- Johnson, Alfred J., assignor to J. W. York & Sons, Grand Rapids, Mich. Tone-hole structure. 1,673,195; June 12.
- Johnson, Alfred J., assignor to J. W. York & Sons, Grand Rapids, Mich. Piston valves for cornets. 1,674,398; June 19.
- Johnson, Alfred J., assignor to J. W. York & Sons, Grand Rapids, Mich. Saxophone. 1,690,862; Nov. 6.
- Johnson, Allan R. P., Toronto, Ontario, Canada. Signal faceplate. Des. 74,928; Apr. 17.
- Johnson, Allan R. P., Toronto, Ontario, Canada. Stenciled indicating means. 1,685,952; Oct. 2.
- Johnson, Allan R. P., Toronto, Ontario, Canada. Locking device for bulb supports of direction indicators. 1,686,008; Oct. 2.
- Johnson, Andrew L., Chicago, Ill., assignor to International Harvester Company. Kafir-corn-cutting attachment. 1,677,479; July 17.
- Johnson, Arnold E. W. (See Raney, C. R., and Johnson.)
- Johnson, Arthur E., Taft, Calif. Oil-well cement-dump boiler. 1,687,161; Oct. 9.
- Johnson, Arthur E., assignor to J. S. Curtiss, El Paso, Tex. Tire spreader and tire iron. 1,672,066; June 5.
- Johnson, Arthur J., and J. J. Moriarty, assignors to American Range Corporation, Shakopee, Minn. Circulating heater. Des. 76,808; Nov. 6.

- Johnson, Arthur L., Oak Park, Ill. Chair back. Des. 75,848; July 24.
- Johnson, August, Nebraska City, Nebr. Revetment mat. 1,691,848; Nov. 13.
- Johnson, August G., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reenforcing structure for concrete. 1,674,204; June 19.
- Johnson Automatic Sealer Co. (See Robinson, George A., assignor.)
- Johnson Automatic Sealer Co. (See Taylor, William L., assignor.)
- Johnson Automobile Lock Company. (See Blood, Howard E., assignor.)
- Johnson Automobile Lock Co. (See Johnson, Colvin L., assignor.)
- Johnson, Axel, Oakland, Calif. Electric water heater. 1,670,566; May 22.
- Johnson & Bassett, Inc. (See Riley, T. H., and Flint, assignors.)
- Johnson, Ben H. (See Gage, J. A., and Johnson.)
- Johnson, Benjamin S., New York, N. Y. Intake heater. 1,673,568; June 12.
- Johnson, Bernard. (See Fosnaugh, G. S., and Johnson.)
- Johnson, Bert. (See Hage, Leonell R., assignor.)
- Johnson, Birger, Stockholm, Sweden. Treating aqueous emulsions of tar. 1,689,728; Oct. 30.
- Johnson, Boyd M., Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Heating kiln. 1,669,563; May 15.
- Johnson Bronze Company. (See Callan, Bernard J., assignor.)
- Johnson, Bror W., Fertile, Minn. Clamp. 1,691,392; Nov. 13.
- Johnson Brothers Engineering Corp. (See Johnson, Harry L., assignor.)
- Johnson, Carl, Los Angeles, Calif. Testing device for valves. 1,685,454; Sept. 25.
- Johnson, Carl A., Worcester, Mass. Meat-cutter knife. 1,669,088; May 8.
- Johnson, Carl E. (See Pomeroy, T. C., and Johnson.)
- Johnson, Carl E. (See Strand, C. F., and Johnson.)
- Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Waste-packed bearing for motors. 1,667,807; May 1.
- Johnson, Carl E., and J. F. McCann, assignors to Duckworth Chain and Manufacturing Company, Springfield, Mass. Silent chain. 1,661,074; Feb. 28.
- Johnson, Carl E., and E. Mendenhall, assignors to United States Electrical Manufacturing Company, Los Angeles, Calif. Vertical pump motor with top adjustment. 1,669,938; May 15.
- Johnson, Carl J. A. (See Liffander, J. O., and Johnson.)
- Johnson, Carl M., Chicago, Ill. Nailing strip or block. 1,685,491; Sept. 25.
- Johnson, Carl O., East Lake, Minn. Fan. 1,668,408; May 1.
- Johnson, Carl S., Butte, Mont. Tub cover. 1,663,988; Mar. 27.
- Johnson, Carl S., Butte, Mont. Chair. 1,694,013; Dec. 4.
- Johnson, Carl W., Shaker Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing. 1,675,933; July 3.
- Johnson, Carl W., Shaker Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearings. 1,679,772; Aug. 7.
- Johnson, Charles A., Sacramento, Calif. Automobile steering master. 1,666,386; Apr. 17.
- Johnson, Charles A., Sacramento, Calif. Dishwashing machine. 1,689,727; Oct. 30.
- Johnson, Charles A., Unionville, assignor to The Stanley Works, New Britain, Conn. Carpenter's plane. 1,662,005; Mar. 6.
- Johnson, Charles A., La Tuque, Quebec, Canada, assignor to Brown Company, Berlin, N. H. Method and apparatus for washing pulp. 1,683,782; Sept. 11.
- Johnson, Charles G., Hartford, Conn. Snap thread gauge. 1,660,335; Feb. 28.
- Johnson, Charles G., Hartford, Conn. Taper-thread gauge. 1,671,032; May 22.
- Johnson, Charles J., assignor to Swanberg Mfg. Co., Chicago, Ill. Container for leads. 1,678,642; July 31.
- Johnson, Charles P., Johnsonburg, Pa. Headlight diffuser. 1,654,974; Jan. 3.
- Johnson, Charles S., Champaign, Ill. Proportioning sand and water for concrete. 1,656,001; Jan. 10.
- Johnson, Charles S., Champaign, Ill. Proportioning total water in concrete. 1,656,002; Jan. 10.
- Johnson, Charles S., Champaign, Ill. Batch hopper. 1,687,499; Oct. 16.
- Johnson, Charles S., Detroit, Mich. Book-support attachment for desks and the like. 1,668,721; May 8.
- Johnson, Charles W., Seattle, Wash. Burner head for oil-burner plants. 1,694,012; Dec. 4.
- Johnson, Chester A., assignor to Chicago Fuse Mfg. Company, Chicago, Ill. Screw-driving machine. 1,673,362; June 12.
- Johnson, Chester A., and H. D. Harland, assignors to Chicago Fuse Mfg. Company, Chicago, Ill. Electrical fuse. 1,681,239; Aug. 21.
- Johnson, Chester A., and H. D. Harland, assignors to Chicago Fuse Mfg. Company, Chicago, Ill. Electrical fuse. 1,681,240; Aug. 21.
- Johnson, Chester A., assignor to Chicago Jefferson Fuse & Electric Company, Chicago, Ill. Outlet box. 1,694,707; Dec. 11.
- Johnson, Chester F., Detroit, Mich. Carburetor. 1,687,181; Oct. 9.
- Johnson, Chester W., Allston, assignor, by mesne assignments, to The A. L. Smith Iron Works, Chelsea, Mass. Traffic signal. 1,695,712; Dec. 18.
- Johnson, Christian, Chicago, Ill. Scraper. 1,686,816; Oct. 9.
- Johnson, Christian B., Seattle, Wash. Combined ironing-board and clothes-rack cabinet. 1,669,760; May 15.
- Johnson, Cleon R., Houston, Tex., Standard Oil Development Company. Receptacle for volatile liquids. 1,680,072; Oct. 30.
- Johnson, Colvin L., assignor to Johnson Automobile Lock Co., St. Louis, Mo. Spare-tire lock. 1,681,409; Aug. 21.
- Johnson, Cornelius E., Grand Rapids, Mich. Loose-leaf binder. 1,674,248; June 19.
- Johnson, Cortes, Long Beach, Calif. Kite-string traveler. 1,682,082; Aug. 28.
- Johnson, David A., Belvue, Kans. Grubbing machine. 1,675,413; July 3.
- Johnson, David C., Carbon Hill, Ala. Hydraulic pinion gear and wheel puller. 1,668,565; May 8.
- Johnson, David C., Carbon Hill, Ala. Wheel puller. 1,684,226; Sept. 11.
- Johnson, Earl B., Hartsdale, N. Y. Antiskid chain for automobiles. 1,665,098; Apr. 3.
- Johnson, Earl R., Chicago, Ill. Advertising novelty. 1,670,359; May 22.
- Johnson, Ebert, Pueblo, assignor, by mesne assignments, to The Clymer Manufacturing Company, Denver, Colo. Spotlight for automobiles. 1,655,612; Jan. 10.
- Johnson, Edward H., Bishop, Calif. Fireplace. 1,656,326; Jan. 17.
- Johnson, Edwin, Partille, Sweden. Hoistable combined disconnecting switch and fuse for outdoor transformers and transmission lines. 1,670,662; May 22.
- Johnson, Edwin A., assignor to J. H. McEvoy & Company, Houston, Tex. Slotting metal plates. 1,662,115; Mar. 13.
- Johnson, Edwin J., Montreal, Quebec, assignor to Dominion Cartridge Company, Limited, Montreal, Canada. Mushrooming bullet and making same. 1,681,295; Aug. 21.
- Johnson, Einar A., Brooklyn, N. Y. System of counter-balances for motor cars. 1,687,296; Oct. 9.
- Johnson, Einar A., Mountain Lakes, N. J., assignor to Engineering Development Company, New Brunswick, N. J. Condenser. 1,684,227; Sept. 11.
- Johnson, Elmer, San Francisco, Calif. Valve mechanism. 1,691,811; Nov. 13.
- Johnson, Elyin H., Winnetka, Ill., assignor to Glynn-Johnson, Inc. Doorstop. Des. 74,227; Jan. 10.
- Johnson, Emil L., and O. Lundsten, Attleboro, Mass. Extension device for flexible bracelets. 1,654,732; Jan. 3.
- Johnson, Emil L., and O. Lundsten, Attleboro, Mass. Extension device for flexible bracelets. 1,654,733; Jan. 3.
- Johnson, Ernest N., Winnipeg, Manitoba, Canada. Rail anchor. 1,690,979; Nov. 6.
- Johnson Fare Box Company. (See Thompson, E. H., and Baur, assignors.)
- Johnson, Felix G., Clarinda, Iowa. Animal trap. 1,685,028; Sept. 18.
- Johnson, Florence M., Nampa, Idaho. Article-supporting attachment for ironing boards. 1,662,748; Mar. 13.
- Johnson, Floyd F., Beloit, Wis. Vise. 1,675,030; June 26.
- Johnson, Frank E. (See Johnson, Gustaf A. and F. E.)
- Johnson, Frank O., assignor to Reliance Die & Stamping Company, Chicago, Ill. Electrostatic condenser. 1,680,546; Aug. 14.
- Johnson, Frank W., Philadelphia, Pa. Changeable-combination key lock. 1,679,087; July 31.
- Johnson, Fred D., et al., trustees. (See Mathews, Theodore A., assignor.)
- Johnson, Frederick G. L., assignor to Vickers Limited, Westminster, London, England. Time fuse for projectiles. 1,674,333; June 19.
- Johnson, Frederick L., Warren, R. I., assignor, by mesne assignments, to G. W. Johnson, Boston, Mass. Conduit end fitting. 1,686,616; Oct. 9.
- Johnson, George A., Pomeroy, Iowa. Surgical instrument. 1,663,761; Mar. 27.
- Johnson, George A., assignor to W. H. Miner, Inc., Chicago, Ill. Draft-rigging-key retainer. 1,685,164; Sept. 25.
- Johnson, George B., Evanston, Ill. Hydrocarbon burner. 1,690,015; Oct. 30.
- Johnson, George D. (See Paddock, S. D., and Wilford, assignors.)
- Johnson, George M., Jeannette, assignor to Fort Pitt Mine Equipment Company, Pittsburgh, Pa. Car-retaining device. 1,660,039; Feb. 21.
- Johnson, George M., and K. H. Sundvik, Jeannette, assignors to Fort Pitt Mine Equipment Company, Pittsburgh, Pa. Car-transfer apparatus. 1,686,382; Oct. 2.
- Johnson, George T. (See Whitridge, J. C., and Johnson.)
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler yoke. 1,661,223; Mar. 6.
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Six-wheel car-truck construction. 1,665,414; Apr. 10.
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Brake hanger. 1,675,608; July 3.

- Johnson, George W. (See Carroll, E. J., and Johnson.)
 Johnson, George W. (See Harrison, W. O., and Johnson.)
 Johnson, George W. (See Johnson, Frederick I., assignor.)
 Johnson, George W., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 1,673,363; June 12.
 Johnson, George W., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 1,683,897; Sept. 11.
 Johnson, George W., Manufacturing Company. (See Bumbarger, Clarence R., assignor.)
 Johnson, Gordon S., Wheaton, assignor to General Highways System, Incorporated, Chicago, Ill. Outdoor advertising sign. 1,695,106; Dec. 11.
 Johnson, Gottfried, Seattle, Wash. Bumper. 1,660,618; Feb. 28.
 Johnson, Gust, Orrin, N. Dak. Draft equalizer. 1,663,270; Mar. 20.
 Johnson, Gustaf A. and F. E., assignors to John I. Paulding, Inc., New Bedford, Mass. Clamp for electric sockets. 1,690,683; Nov. 6.
 Johnson, Gustav, West Roxbury, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,685,055; Sept. 18.
 Johnson, Gustav, West Roxbury, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,685,404; Sept. 25.
 Johnson, Gustav, West Roxbury, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,690,637; Nov. 6.
 Johnson, Gustav, Dorchester, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,693,514; Nov. 27.
 Johnson, Gustave T., assignor to The J. A. Fay & Egan Company, Cincinnati, Ohio. Woodworking machinery. 1,670,360; May 22.
 Johnson, Harley S., Erwin, Tenn. Pencil clip. 1,690,980; Nov. 6.
 Johnson, Harold, and L. O. Aune, Windom, Minn. Electric brake for automobiles. 1,691,812; Nov. 13.
 Johnson, Harold M., St. Louis, Mo. Apparatus for reaming smoking pipes. 1,685,087; Sept. 25.
 Johnson, Harry L., Indianapolis, Ind., assignor to Johnson Brothers Engineering Corp. Tiller for outboard motors. 1,689,032; Oct. 23.
 Johnson, Henry, Sunnyvale, assignor to F. Robbins, San Francisco, Calif. Fruit-pitting knife. 1,671,587; May 29.
 Johnson, Hiram M., Toppenish, Wash. Rotary valve. 1,693,484; Nov. 27.
 Johnson, Hjalmar F., Bismarck, N. Dak. Fence-post puller. 1,666,454; Apr. 17.
 Johnson, Ina F., Hollywood, Calif. Lingerie-strap holder. 1,668,507; May 1.
 Johnson, J. P., Engineering Company, The. (See Johnson, James P., assignor.)
 Johnson, James A., et al. (See Keefer, Sylvester A., assignor.)
 Johnson, James P., Toronto, Ontario, Canada. Arm rest. 1,674,205; June 19.
 Johnson, James P., assignor to Johnson's Purifying Systems, Incorporated, Greensboro, N. C. Apparatus for purifying gasoline. 1,661,478; Mar. 6.
 Johnson, James P., Cleveland Heights, assignor to The J. P. Johnson Engineering Company, Cleveland, Ohio. Variable-speed gearing. 1,687,567; Oct. 16.
 Johnson, James T. (See Boyd, E. L., and Johnson.)
 Johnson, Jarl A., Taft, Calif. Terminal protector for storage batteries. 1,686,817; Oct. 9.
 Johnson, Jesse H., Kansas City, Kans. Shoe for protecting pianos. 1,669,616; May 15.
 Johnson, Joe S., El Centro, Calif. Sprayer. 1,674,515; June 19.
 Johnson, John A., Minneapolis, Minn. Mail box. 1,654,884; Jan. 3.
 Johnson, John A., New York, N. Y. Transferring machine for bottle closures. 1,662,271; Mar. 13.
 Johnson, John A., Meriden, assignor to The Bassick Company, Bridgeport, Conn. Truck for stoves or the like. 1,666,139; Apr. 17.
 Johnson, John C., St. Paul, Minn. Grass conveyer for lawn mowers. 1,686,563; Oct. 9.
 Johnson, John E. (See Oslund, C. H., and Johnson.)
 Johnson, John E., assignor to Speedamat Addressing Machinery, Incorporated, Chicago, Ill. Selector-discharge mechanism. 1,675,710; July 3.
 Johnson, John E., assignor to Cheney Brothers, South Manchester, Conn. Fell gauge for looms. 1,689,591; Oct. 30.
 Johnson, John E., and C. H. Oslund, assignors to The O. & J. Machine Company, Worcester, Mass. Milk-bottle cap. 1,693,787; Dec. 4.
 Johnson, John H., Santa Barbara, Calif. Food-preserving cabinet. 1,678,730; July 31.
 Johnson, John O., New Haven, Conn. Screw-thread tolerance indicator. 1,663,341; Mar. 20.
 Johnson, John R., Chicago, Ill. Service doors. 1,668,409; May 1.
 Johnson & Johnson. (See Dailey, Frank L., assignor.)
 Johnson & Johnson. (See Dorman, W. R., Suydam, and Stoneleigh, assignors.)
 Johnson & Johnson. (See Hayden, Robert P., assignor.)
 Johnson & Johnson. (See Johnson, Robert W., assignor.)
 Johnson & Johnson. (See Mackenzie, Donald G., assignor.)
 Johnson & Johnson. (See Mathee, William H., assignor.)
 Johnson & Johnson. (See Pack, Carl O. C., sr., assignor.)
 Johnson, Jonas G., Baltimore, Md. Fireplace. Des. 75,849; July 24.
 Johnson, Joseph, New York, N. Y., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Paper cup or similar article. Des. 74,793; Mar. 27.
 Johnson, Joseph A., Weston, Mass. Detachable hook for roof ladders. 1,665,428; Dec. 18.
 Johnson, Joseph E., Louisville, Ky. Tooth band. 1,670,361; May 22.
 Johnson, Josiah F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cylinder for turbine blades. 1,668,722; May 8.
 Johnson, Josiah F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Equalizing means for multiple-collar bearings. 1,677,093; July 10.
 Johnson, Jules K., Pittsburgh, Pa. Vacuum cleaner. 1,677,921; July 24.
 Johnson, Kenneth S., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Substation circuits. 1,696,274; Dec. 25.
 Johnson, Lane. (See Bark, A. P., and Johnson.)
 Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Reel. 1,654,651; Jan. 3.
 Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Colling material and apparatus therefor. 1,662,577; Mar. 13.
 Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Repeater for rolling mills. 1,680,105; Aug. 7.
 Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for handling strips. 1,684,867; Sept. 18.
 Johnson, Lane, Ingram, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Three-high rolling mill. 1,693,386; Nov. 27.
 Johnson, Lane, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Uncoiler and operating the same. 1,657,309; Jan. 24.
 Johnson, Lane, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Rolling-mill driving spindle. 1,663,533; Mar. 20.
 Johnson, Lane, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Reel. 1,678,472; July 24.
 Johnson, Lars G., Des Moines, Iowa. Safety control apparatus for air brakes. 1,674,249; June 19.
 Johnson, Lawrence, assignor to Johnson & Wentink, Chicago, Ill. Insulated-wire stripper. 1,661,180; Mar. 6.
 Johnson, Lawrence, and A. N. Wentink, Chicago, Ill.; said Johnson assignor to said Wentink. Insulated-wire-stripping device. 1,673,196; June 12.
 Johnson, Lawrence E., Melrose, assignor of one-half to Boston Machine Works Company, Lynn, Mass. Water heater. 1,665,210; Apr. 10.
 Johnson, Lawrence E., Melrose, S. M. Hansen, Lynn, and J. T. McTarnahan, Brighton; said Hansen and said Johnson, assignors, by mesne assignments, to Victor Shoe Machinery Company, Lynn, Mass. Pump. 1,694,783; Dec. 11.
 Johnson, Leonard W., Batavia, Ill. Flue cleaner. 1,683,619; Sept. 11.
 Johnson, Lewis H., Madison, and A. E. Hague, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call-charging telephone-exchange system. 1,696,275; Dec. 25.
 Johnson, Lloyd E. (See Sparks, W., Scofield, Johnson, and Billig.)
 Johnson, Louie, Presho, S. Dak. Attachment for lister cultivators. 1,664,254; Mar. 27.
 Johnson, Mark E., Harrisburg, Pa. Switch. 1,656,588; Jan. 17.
 Johnson, Matts, assignor of one-fourth to N. P. Nelson, and one-fourth to O. Carlson, Spokane, Wash. Baking oven. 1,665,551; Apr. 10.
 Johnson, Merriam E., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Shield for radio amplifiers or detectors. 1,688,622; Oct. 23.
 Johnson, Nathan C., Englewood, N. J. Cementitious molding. 1,668,723; May 8.
 Johnson, Nathan C., Englewood, N. J. Process of and material for treating concrete. 1,691,721; Nov. 13.
 Johnson, Noah, and L. H. Strasser, St. Louis, Mo. Grain door for box cars. 1,694,180; Dec. 4.
 Johnson, Norman E., Chicago, Ill. Automobile radiator cap. 1,685,405; Sept. 25.
 Johnson, Norman E., assignor to Chicago Rhopac Products Company, Chicago, Ill. Mold for making packing or the like. 1,663,050; Mar. 20.
 Johnson, Norman E., Chicago, Ill., assignor to Spencer Thermostat Company, Cambridge, Mass. Toy and advertising novelty. 1,677,122; July 10.
 Johnson, Norman G., and S. G. Baker, jr., Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dynamite composition. 1,687,023; Oct. 9.
 Johnson, Olaf A., Minneapolis, Minn. Scale indicator. 1,694,658; Dec. 11.

- Johnson, Oliver W., Geneva, Ohio. Attachment for tractors. 1,671,370; May 29.
- Johnson, Oscar, New York, N. Y. Pipe wrench. 1,681,641; Aug. 21.
- Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Sanitary pump. 1,664,930; Apr. 3.
- Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Water softener. 1,692,939; Nov. 27.
- Johnson, Otis, San Francisco, Calif., assignor to I. F. Laucks, Inc., Seattle, Wash. Treating soya beans. 1,680,264; Aug. 7.
- Johnson, Otto. (See Carlson, W. G., and Johnson.)
- Johnson, Otto W., assignor, by mesne assignments, to Krimpwire Company, Oakland, Calif. Self-furring plaster netting. 1,666,535; Apr. 17.
- Johnson, Paul A., assignor of one-half to A. E. Jacobson, Grand Haven, Mich. Toilet-seat hinge. 1,685,088; Sept. 25.
- Johnson, Paul E., assignor to Paul E. Johnson, Inc., Chicago, Ill. Base for therapeutic lamps. Des. 75,012; May 1.
- Johnson, Paul E. assignor to Paul E. Johnson, Inc., Chicago, Ill. Reflector head for therapeutic lamps. Des. 75,034; May 1.
- Johnson, Paul E., assignor to P. E. Johnson, Inc., Chicago, Ill. Therapeutic lamp. Des. 76,542; Oct. 9.
- Johnson, Paul E., Inc. (See Johnson, Paul E., assignor.)
- Johnson, Percy G., and H. R. Morgan, assignors to Victaulic Company Limited, London, England, Spigot and socket pipe joint. 1,683,076; Sept. 4.
- Johnson, Peter, Seattle, Wash. Fluid-fuel burner. Re16,871; Feb. 7.
- Johnson, Raymond D., New York, N. Y. Pressure-control system. 1,689,947; Oct. 30.
- Johnson, Raymond E., Manistee, Mich. Combination tie and collar folder. 1,682,046; Aug. 28.
- Johnson, Richard M., Red Bank, N. J. Submarine safety device. 1,692,506; Nov. 20.
- Johnson, Robert C., Roxton, Leicester, England. Curtain rail and support therefor. 1,681,345; Aug. 21.
- Johnson, Robert G. (See Hay, C. W., and Johnson.)
- Johnson, Robert M., Westmoreland, Calif. Ignition-spark tester. 1,661,664; Mar. 6.
- Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. Toothbrush. Des. 74,608; Mar. 6.
- Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. Packaging surgical cotton. 1,671,825; May 29.
- Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. Collapsible tube. 1,674,596; June 19.
- Johnson, Robert W., assignor to Johnson & Johnson, New Brunswick, N. J. Sterilizing ligature tubes. 1,676,090; July 3.
- Johnson, Roy W. (See Gauger, F. A., and Johnson.)
- Johnson, Roy W. (See Gauger, F. A., Johnson, and Neuser.)
- Johnson, Roy W., Chicago, Ill., assignor to Lester-Johnson Co., Minneapolis, Minn. Headlight reflector. 1,663,008; Mar. 20.
- Johnson, Russell, Pittsburg, Kans. Indoor golf game. 1,677,557; July 17.
- Johnson, Samuel G., Tucson, Ariz. Tie-band-securing device for trunks and the like. 1,680,993; Aug. 14.
- Johnson, Samuel J., assignor to The Seinsheimer Paper Company, Cincinnati, Ohio. Garment bag. 1,679,828; Aug. 7.
- Johnson Service Company. (See Fortier, Charles L., assignor.)
- Johnson Service Company. (See Otto, Arthur J., assignor.)
- Johnson, Stephens and Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
- Johnson, Sylvester A., North Providence, and R. Vogel, Providence, assignors to Automatic Gold Chain Company, Edgewood, R. I. Chain construction. 1,670,663; May 22.
- Johnson, Theodore G., Kansas City, Mo. Mop. 1,672,890; June 12.
- Johnson, Theodore W., Annapolis, Md. Tent frame. 1,673,626; June 12.
- Johnson, Titian W., Potomac Beach, Va. Brief bag. 1,666,878; Apr. 17.
- Johnson, Titian W., Potomac Beach, Va. Dispenser for tooth paste, shaving cream, etc. 1,669,247; May 8.
- Johnson-Vea, Charles T., assignor to The Dover Manufacturing Company, Dover, Ohio. Electric smoothing iron. Des. 75,732; July 10.
- Johnson, Waldo P., Chicago, Ill. Poultry-car ventilator. 1,678,393; July 24.
- Johnson, Wallace C., New York, N. Y. Cylindrical member and making the same. 1,690,684; Nov. 6.
- Johnson, Wallace D., assignor to Yates-American Machine Company, Beloit, Wis. Bar-after-cut quick release. 1,656,733; Jan. 17.
- Johnson, Walter S., assignor to Rooke Automatic Register Company, Providence, R. I. Fare register. 1,655,649; Jan. 10.
- Johnson, Walter S., assignor to Rooke Automatic Register Company, Providence, R. I. Fare register. 1,655,650; Jan. 10.
- Johnson, Warren B., Lubbock, Tex. Short-stem milo-maize header. 1,666,824; Apr. 17.
- Johnson Washer Company. (See Russell, Joseph F., assignor.)
- Johnson & Wentink. (See Johnson, Lawrence, assignor.)
- Johnson, William A., Chicago, Ill. Nonskid shoe. 1,669,939; May 15.
- Johnson, William A., assignor of one-half to M. A. Terry, Yonkers, N. Y. Marker. 1,672,982; June 12.
- Johnson, William C., Providence, R. I. Tensioning device for braiding machines. 1,683,898; Sept. 11.
- Johnson, William C., Bethel, assignor to The Clark Box Company, Danbury, Conn. Forming hat-packing rings. 1,663,762; Mar. 27.
- Johnson, William C., Bethel, assignor to The Clark Box Company, Danbury, Conn. Method of and machine for curling hat stays. 1,663,763; Mar. 27.
- Johnson, William M., assignor to The W. H. Marvin Company, Urbana, Ohio. Carton. 1,664,111; Mar. 27.
- Johnson, William R., Seattle, Wash. Decoy. 1,663,009; Mar. 20.
- Johnson, William S., and J. W. Sheffer, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Electric heater. 1,665,367; Apr. 10.
- Johnson, William S., and J. W. Sheffer, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Electric heater for long bars. 1,685,133; Sept. 25.
- Johnson, William T. assignor of one-half to R. L. Bigger, Clarendon, Tex. Cultivator. 1,670,771; May 22.
- Johnson, William V., Washington, D. C. Bookholder. 1,695,767; Dec. 18.
- Johnson, William W., Vincennes, Ind., assignor of one-half to W. Steincamp, Little Rock, Ark. Tire carrier and remover. 1,662,974; Mar. 20.
- Johnson, William W., Memphis, Tenn. Ice-can bracket and drop tube. 1,676,089; July 3.
- Johnson-Williamson Laboratories, Inc. (See Polydoroff, Wladimir J., assignor.)
- Johnson-Williamson Laboratories, Incorporated. (See Williamson, Henry M., assignor.)
- Johnson, Willis W., Dewittville, N. Y. Fire escape. 1,696,357; Dec. 25.
- Johnson's, Iver, Arms & Cycle Works. (See Curtis, Arthur P., assignor.)
- Johnson's Purifying Systems, Incorporated. (See Johnson, James P., assignor.)
- Johnson, Emil T., Chicago, Ill. Temperature-controlling apparatus. 1,682,227; Aug. 28.
- Johnston, Alan C., Mine Hill, N. J. assignor to Hercules Powder Company, Wilmington, Del. Preparing alkyl esters of abietic acid. 1,682,280; Aug. 28.
- Johnston, Andrew L., jr., assignor to Off'n'On Chain Corporation, Newark, N. J. Antiskid chain. 1,666,497; Apr. 17.
- Johnston, Arthur A. (See Stump, F., and Johnston.)
- Johnston, Charles H. (See Cooper, Glen D., assignor.)
- Johnston, Cecil G., assignor of one-half to E. B. Johnston, Meadville, Pa. Ice-cream-container filler. 1,679,609; Aug. 7.
- Johnston, Clarence L., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic register. 1,658,127; Feb. 7.
- Johnston, Clarence L., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Supply pad for autographic registers. 1,658,128; Feb. 7.
- Johnston, Clarence S., Oakland, Calif. Demountable rim for vehicle wheels. 1,657,719; Jan. 31.
- Johnston, Clarence S., Glendive, Mont. Disk wheel. 1,684,398; Sept. 18.
- Johnston, Edna B. (See Johnston, Cecil G., assignor.)
- Johnston, Frank B., Roselle Park, N. J., assignor to American Safety Device Co., New York, N. Y. Clamp. 1,662,859; Mar. 20.
- Johnston, Frank B., Roselle Park, N. J., assignor to American Safety Device Company, New York, N. Y. Scaffold. 1,663,131; Mar. 20.
- Johnston, Frank B., Roselle Park, N. J., assignor to American Safety Device Company, New York, N. Y. Lifting apparatus. 1,682,083; Aug. 28.
- Johnston, Frank E., Detroit, Mich. Radiator shield. 1,664,931; Apr. 3.
- Johnston, George F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bending apparatus and producing bent strip material. 1,656,003; Jan. 10.
- Johnston, George M., Clinton, Mass., assignor to Wickwire Spencer Steel Company, New York, N. Y. Fish flake. 1,667,553; Apr. 24.
- Johnston, Harry L., Indianapolis, Iowa. Ankle brace. 1,666,290; Apr. 17.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Clutch mechanism. 1,669,006; May 8.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Co., Troy, Ohio. Apparatus for cutting food-stuffs. 1,670,261; May 15.
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Grinding apparatus. 1,696,636; Dec. 25.
- Johnston, Herbert L., and M. K. Akers, assignors to The Hobart Manufacturing Company, Troy, Ohio. Short-circuiting device for electric motors. 1,665,304; Apr. 10.
- Johnston, Herbert L., and T. F. Rataiczak, assignors to The Hobart Manufacturing Company, Troy, Ohio. Mixing machine. 1,674,903; June 26.

- Johnston, Howard A., Toronto, Ontario, Canada. Automatic door-opening mechanism. 1,674,597; June 19.
- Johnston, Howard L., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flood light. 1,681,153; Aug. 14.
- Johnston, Howard L., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Globe holder. 1,689,832; Oct. 30.
- Johnston, James S., Elmira, assignor, by mesne assignments, to Eclipse Textile Devices, Incorporated, Elmira Heights, N. Y. Coloring yarn on bobbins. Re-17,096; Oct. 2.
- Johnston, John, New Haven, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical conductor. 1,681,541; Aug. 21.
- Johnston, John W., Stockton, Calif. Bank-protecting device. 1,681,481; Aug. 21.
- Johnston, Joseph C., Minneapolis, Minn. Motor using projectiles. 1,678,047; July 24.
- Johnston, Lemuel M., and J. L. Farrell, Parco, Wyo. Briquette and manufacture. 1,655,728; Jan. 10.
- Johnston, Marvin, and M. H. Scott, Sapulpa, Okla. Cable wrench. 1,681,482; Aug. 21.
- Johnston Pressed Gear Company. (See Sharp, Allen W., assignor.)
- Johnston, Richard C., J. Soucy, J. J. McEwen, and J. Larne, Nelson, British Columbia, Canada. Snap hook. 1,657,087; Jan. 24.
- Johnston, Robert T., New Brunswick, N. J., assignor to The Flintkote Company, Boston, Mass. Machine for making asphalt shingles. 1,668,563; May 8.
- Johnston, Robert W. (See Daniel, Earle H., assignor.)
- Johnston, Wayburn E., Minneapolis, Minn. Vacuum oil burner. 1,687,771; Oct. 16.
- Johnston, Wayburn E., Minneapolis, Minn. Vacuum torch. 1,695,334; Dec. 18.
- Johnston, Theodore, Topeka, Kans. Packing ring. 1,682,130; Aug. 28.
- Johnston, Vernon O., Lincoln, Ill. Method and apparatus for making road edgings. 1,693,903; Dec. 4.
- Johnston, William B., and J. R. Carman, Chadron, Nebr. Marking tool. 1,681,667; Aug. 21.
- Johnston, William D., Independence, Mo. Flue heater. 1,677,636; July 17.
- Johnston, William D., assignor to Wm. Cameron & Co. Inc., Waco, Tex. Telephone wall cabinet. Des. 74,674; Mar. 13.
- Johnston, William D., assignor to Wm. Cameron & Co. Inc., Waco, Tex. Wall cabinet. Des. 74,675; Mar. 13.
- Johnston, William R., Lincoln, Nebr. Preservative and preserving yeast therewith. 1,667,895; May 1.
- Johnston, William S., and A. W. Keen, New York, N. Y., assignors to The Nautatuck Chemical Company, Nautatuck, Conn. Method of and apparatus for treating solutions and products. 1,673,685; June 12.
- Johnstone, Alan, Carshalton, England. Pencil case. 1,689,390; Oct. 30.
- Johnstone, Robert M., Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting machine. 1,678,340; July 24.
- Johnstone, Robert M., Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y. Producing coils of flexible material and coils and core members relating to same. 1,687,938; Oct. 16.
- Joiner, Sylvester L., McGregor, Tex. Car-coupler-lock-lifter safety attachment. 1,644,982; Apr. 3.
- Joiner, Sylvester L., McGregor, Tex. Combined grain-door strip and side-door-post protector. 1,682,281; Aug. 28.
- Joiner, Sylvester L., McGregor, Tex. Stop pin for coupling heads. 1,682,282; Aug. 28.
- Joiner, Sylvester L., McGregor, Tex. Combined grain-door strip and side-door-post protector. 1,685,197; Sept. 25.
- Joiner, Sylvester L., McGregor, Tex. Combined wear plate and centering device for draft-rigging keys for railway cars. 1,685,455; Sept. 25.
- Joksch, Rudolf, Vienna, Austria. Automatic weighing apparatus. 1,661,291; Mar. 6.
- Jolly, James, Bolton, England. Drawing or drafting mechanism. 1,684,993; Sept. 18.
- Jolly, Richard W., Wimbledon, assignor of one-half to Meters, Limited, Manchester, England. Coin-controlled electricity meter. 1,682,283; Aug. 28.
- Jonas, Richard A., Brooklyn, N. Y. Indexing. 1,683,468; Sept. 4.
- Jonas, Julius, Meierhof, Baden, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. System for regulating the direct-current voltage in metal-vapor-rectifier installations. 1,680,790; Aug. 14.
- Jonassen, Alfred C., Anerley, London, England. Automatic repeating (or pistol). 1,660,127; Feb. 27.
- Joncha, Anton, Maywood, Ill. assignor to Oil Products Appliance Co., Maywood, Ill. Tank pump. 1,688,237; Oct. 16.
- Jones, Albert E., Detroit, Mich. Sediment remover. 1,660,336; Feb. 28.
- Jones, Albert F., deceased, Salem, Mass.; M. J. Downs, executrix. Machine for making covered boxes. 1,677,390; July 17.
- Jones, Albert R. (See Frogue, A. J., and Sloan, assignors.)
- Jones, Albert S. (See de Güenz, D., and Jones.)
- Jones, Alex E., Cuyahoga Falls, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire. Des. 75,850; July 24.
- Jones, Alfred J., Chicago, Ill. Cigar box. 1,658,487; Feb. 7.
- Jones, Alvin, Fort Benton, Mont. Valve-spring compressor. 1,696,090; Dec. 18.
- Jones, Burle R., assignor of one-half to G. H. Lessley, Tulsa, Okla. Antenna for radios. 1,673,458; June 12.
- Jones, Caradoc L., Chicago Heights, Ill. Coating machine. 1,677,453; July 17.
- Jones, Carol M., Colfax, Wash. Floor lamp. Des. 75,258; May 22.
- Jones, Cecil R., Phoenix, Ariz. Attachment for internal-bustion engines. 1,657,010; Jan. 24.
- Jones, Charles, Long Beach, Calif. Baseball game. 1,687,162; Oct. 9.
- Jones, Charles D., et al. (See Koksma, Frank M., assignor.)
- Jones, Charles E., and D. A. Whoolery, Outcrop, Pa. Closure fastener. 1,662,501; Mar. 13.
- Jones, Charles E., Bradford, England. Frictional driving mechanism for machines having stop motions. 1,678,945; July 31.
- Jones, Charles H., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,673,246; June 12.
- Jones, Charles H. le P., Sault Ste. Marie, Ontario, Canada. Paper-finish tester. 1,668,593; May 8.
- Jones, Charles S., Clarkson, Nebr. Educational device. 1,674,553; June 19.
- Jones, Charles Y., Saxton, Pa. Thimble. Des. 74,309; Jan. 24.
- Jones, Clarence M. (See O'Neill, A. G., and Jones.)
- Jones, Clayton, Duluth, Minn. Clip-attaching tool. 1,691,353; Nov. 13.
- Jones, Clyde W., Bloomington, Ind. Stone-channeling machine. 1,696,576; Dec. 25.
- Jones, Daniel F., Chicago, Ill. Signal flag and maintaining same. 1,662,190; Mar. 13.
- Jones, Daphne S., administratrix. (See Jones, Richard C.)
- Jones, Don F., Beloit, Wis. Electric switch. 1,684,280; Sept. 11.
- Jones, David B., and F. C. Swartz, Cleveland, Ohio. Regenerative furnace. 1,667,319; Apr. 24.
- Jones, Dillwyn N., Scranton, Pa. Switch. 1,656,562; Jan. 17.
- Jones, E. D., & Sons Co. (See Harrigan, Herman R., assignor.)
- Jones, E. D., et al. (See Jones, W. S., and Baker, assignors.)
- Jones, Earl L., et al. (See Green, Lee B., assignor.)
- Jones, Earl W., and L. B., and R. G. Rattin, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Carburetor. 1,670,724; May 22.
- Jones, Edgcombe M., Utica, N. Y. Bleaching composition. 1,677,283; July 17.
- Jones, Edmund H., assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Corner bead. 1,678,813; July 31.
- Jones, Edward T., administrator. (See Stryker, Walter W.)
- Jones, Edwin A., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Gas furnace. 1,657,125; Jan. 24.
- Jones, Edwin E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,667,385; Apr. 24.
- Jones, Ellis L., Long Island City, assignor to Sealed Containers Corporation, New York, N. Y. Apparatus for closing and sealing receptacles. 1,688,499; Oct. 23.
- Jones, Elmer M. (See Elsas, L. J., and Jones.)
- Jones, Ernest P., Pulaski, Tenn. Scrubbing mop. 1,683,549; Sept. 4.
- Jones, Felix B., Chicago, Ill. Firearm. 1,685,673; Sept. 25.
- Jones, Frances E., San Diego, Calif., and F. D. Jones, Helena, Mont. Toy building block and wall construction. 1,695,553; Dec. 18.
- Jones, Francis D. (See Jones, Frances E., and F. D.)
- Jones, Frank A., Dayton, Ky. Platform display device. 1,655,768; Jan. 10.
- Jones, Frank S., Philadelphia, Pa. Metal-cutting machine. 1,663,556; Mar. 27.
- Jones, Frank S., Philadelphia, Pa. Vertical boring mill. 1,670,772; May 22.
- Jones, Fred A., Canton, Ohio. Rotary drier. 1,694,708; Dec. 11.
- Jones, Fred H., Chicago, Ill. Folding storage filing case. 1,692,940; Nov. 27.
- Jones, Frederick R., Chicago, Ill. Garbage and refuse incinerator. 1,692,448; Nov. 20.
- Jones, Frederick W., Los Angeles, Calif. Water-pressure underreamer. 1,671,474; May 29.
- Jones, George A., assignor to Shoe Products, Inc., Lynn, Mass. Shoe. 1,667,159; Apr. 24.
- Jones, George A., assignor to Shoe Products, Inc., Lynn, Mass. Shoe. 1,670,811; May 22.
- Jones, George A., assignor to Shoe Products, Inc., Lynn, Mass. Shoe. 1,675,711; July 3.
- Jones, George A. E., West Cheshire, assignor of one-third to A. B. Hart and one-third to H. H. Starr, New London, Conn. Control for electric water heaters. 1,674,334; June 19.
- Jones, George D., Sacramento, assignor to Electric Vacuum Lawn Mower Company, Stockton, Calif. Vacuum lawn mower. 1,669,471; May 15.

- Jones, George D., Sacramento, Calif., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Tractor-propelled implement. 1,682,228; Aug. 28.
- Jones, George D., Cleveland, assignor to The Cleveland Tractor Company, Euclid, Ohio. Combined tractor and agricultural implement. 1,682,727; Aug. 28.
- Jones, George I., Buffalo, N. Y., assignor to Oxweld Acetylene Company. Torch tip. 1,666,387; Apr. 17.
- Jones, George J., and E. J. Blanning, New Castle, Pa. Extractor for tuyères and tuyère coolers. 1,665,135; Apr. 3.
- Jones, Harold H., assignor to Kalamazoo Vegetable Parchment Company, Kalamazoo, Mich. Package for cigars, candy, and the like. 1,692,410; Nov. 20.
- Jones, Harry C., Larchmont, assignor to Lithoprinx Corporation, New York, N. Y. Photomechanical machine. 1,656,979; Jan. 24.
- Jones, Harry C., Larchmont, assignor to Lithoprinx Corporation, New York, N. Y. Photographic-printing frame. 1,663,662; Mar. 27.
- Jones, Harry J., Irvington, N. J., assignor to Baker & Company, Inc. Making spinnerets. 1,654,936; Jan. 3.
- Jones, Harry S., Chicago, Ill. Multiple-prong visible-loose-leaf binder. 1,669,940; May 15.
- Jones, Harry S., Chicago, Ill. Clamp. 1,671,725; May 29.
- Jones, Hilton I., Wilmette, Ill. Mothproofing fabrics. 1,688,717; Oct. 23.
- Jones, Howard B., Evanston, Ill. Connection device. 1,691,072; Nov. 13.
- Jones, Howard L. (See Eickmeyer, E. E., and Jones.)
- Jones, Hugh J., Denver, assignor of one-half to The Western Battery & Supply Company, Denver, Colo., and 10 per cent to G. A. Bible, Rawlins, Wyo., and P. M. Bible, Denver, Colo. Transmission means. 1,677,094; July 10.
- Jones, Irvin H., Manhattan, Ill., assignor to The Koppers Company, Pittsburgh, Pa. Production of resins. 1,684,868; Sept. 18.
- Jones, James C., Brighton, Tenn. Seed-saving attachment for mowing machines. 1,688,969; Oct. 23.
- Jones, James M., Manchester, Ky., assignor of twenty-seven and one-half per cent to R. A. Kennedy, Hamilton, and twelve and one-half per cent to R. C. Kennedy, Cincinnati, Ohio. Metal wheel. Re17,140; Nov. 20.
- Jones, James R., assignor to The Bossert Corporation, Utica, N. Y. Bumper bracket for automobiles. 1,654,687; Jan. 3.
- Jones, James R., assignor to The Bossert Corporation, Utica, N. Y. Automobile bumper. 1,668,811; May 8.
- Jones, Jesse M., and R. R. Webb, assignors to Charles R. Hadley Company, Los Angeles, Calif. Loose-leaf binder. 1,672,569; June 5.
- Jones, John, Wilkes-Barre, Pa. Arch-supporting shoe. 1,665,741; Apr. 10.
- Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Film-winding machine. 1,676,558; July 10.
- Jones, John J., Ridley Park, Pa. Hose or pipe coupling. 1,665,812; Apr. 10.
- Jones, Joseph S., and S. N. Mead, jr., Brooklyn, assignors to Chas. Cory & Son, Incorporated, New York, N. Y. Electrical fitting. 1,681,186; Aug. 21.
- Jones, Joseph S., Brooklyn, and S. N. Mead, jr., Baldwin, assignors to Chas. Cory & Son, Incorporated, New York, N. Y. Telephone system and appliances. 1,689,391; Oct. 30.
- Jones, Joshua J., Schenectady, N. Y. Locomotive valve gear. 1,676,265; July 10.
- Jones, Josiah L., St. Petersburg, Fla. Refrigerator. 1,677,454; July 17.
- Jones, Josiah L., St. Petersburg, Fla. Melted-ice-water cooler. 1,677,455; July 17.
- Jones & Lanson Machine Company. (See Lovely, John E., assignor.)
- Jones & Laughlin Steel Corporation. (See Grimm, Fred I., assignor.)
- Jones & Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
- Jones, Lee B. (See Jones, Earl W. and L. B., and Battin.)
- Jones, Lee B., and E. H. Werzner, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Governor. 1,676,902; July 10.
- Jones, Lee B., and E. H. Werzner, assignors to Sunbeam Electric Manufacturing Company, Evansville, Ind. Valve. 1,676,903; July 10.
- Jones, Leo D. (See Sharples, P. T., and Jones.)
- Jones, Lester L., Oradell, N. J. Capacitive-coupling control system. 1,658,804; Feb. 14.
- Jones, Lester L., Oradell, N. J. Capacitive-coupling control system. 1,658,805; Feb. 14.
- Jones, Lester L., Oradell, N. J. Variable grid leak. 1,663,166; Mar. 20.
- Jones, Lester L., Oradell, N. J. Variometer. 1,664,513; Apr. 3.
- Jones, Lester L., Oradell, N. J. Electron-discharge-tube amplifier system. 1,673,287; June 12.
- Jones, Lewis, New York, N. Y. Vacuum lifter. 1,691,198; Nov. 13.
- Jones, Lewis S. (See Kerr, D. C., and Jones.)
- Jones, Lloyd, Millville, N. J., assignor to Acme Steel Company, Chicago, Ill. Method of and mill for rolling strips and sheets. 1,680,522; Aug. 14.
- Jones, Louis, S. C. G. Henrikson, and G. W. Fisher, assignors, by mesne assignments, to The National Tile Company, Anderson, Ind. Mechanical shaker for ceramic tile. 1,662,779; Mar. 13.
- Jones, Louis S., G. W. Fisher, and C. G. Henrikson, assignors to The National Tile Company, Anderson, Ind. Machine for treating tile. 1,678,064; July 24.
- Jones, Louis W., Los Angeles, Calif. Melting pot. 1,664,779; Apr. 3.
- Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Mobile color projector. 1,661,757; Mar. 6.
- Jones, Loyd A., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for producing kaleidoscopic designs. 1,690,584; Nov. 6.
- Jones, Loyd A., and E. E. Richardson, assignors to Eastman Kodak Company, Rochester, N. Y. Projection system. 1,666,047; Apr. 10.
- Jones, Maurice F. (See Dobson, J. V., and Jones.)
- Jones, Mortimer, Fort Worth, Tex. Gas burner. 1,676,953; July 10.
- Jones, Nathan L., et al. (See Evans, Jack, assignor.)
- Jones, Orsemus L. R., Detroit, Mich. Aeroplane. 1,680,523; Aug. 14.
- Jones, Orville J., Emmett, Idaho. Sectional furnace grate. 1,662,708; Mar. 13.
- Jones, Paul, assignor to Commonwealth Shoe and Leather Company, Whitman, Mass. Foot-measuring device. 1,670,664; May 22.
- Jones, Paul S., Brockton, Mass. Finishing lasts. 1,673,874; June 19.
- Jones, Percival W., Warwick, assignor to Louis Stern Co., Providence, R. I. Bracelet. 1,669,710; May 15.
- Jones, Percival W., Warwick, assignor to Rosenheim Co., Inc., Providence, R. I. Bracelet clasp. 1,676,695; July 10.
- Jones, Philip J., Elkhart, Ind. Reversible guard-rail block. 1,654,885; Jan. 3.
- Jones, Richard C., deceased, by D. S. Jones, administratrix, assignor to Gamble Brothers, Inc., Louisville, Ky. Gluing machine. 1,693,606; Dec. 4.
- Jones, Richard G., Hynes, Calif. Liquid-feed control. 1,694,621; Dec. 11.
- Jones, Richard M., Northampton, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Steam generator. 1,687,568; Oct. 16.
- Jones, Robert, Milwaukee, Wis. Automobile extricating mechanism. 1,682,284; Aug. 28.
- Jones, Robert M., Stony Point, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,687,939; Oct. 16.
- Jones, Robert V., Chicago, Ill. Machine for dispensing oil. 1,687,838; Oct. 16.
- Jones, Rolla A., Spokane, Wash. Method and sprinkling apparatus. 1,658,202; Feb. 7.
- Jones, Rolland R., Minneapolis, Minn. Impression tray. 1,666,097; Apr. 17.
- Jones, Rufus B., assignor to The Trailmobile Company, Cincinnati, Ohio. Tractor-trailer combination. 1,668,276; May 1.
- Jones, Russell G., London, England, and C. Zwiebel, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature-winding machine. 1,667,070; Apr. 24.
- Jones, Russell G., New York, N. Y., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Manufacture of commutators. 1,676,442; July 10.
- Jones, Sloan A., Springville, Ala. Joint clamp. 1,688,623; Oct. 23.
- Jones, Thomas H., (See Rector, J., and Jones.)
- Jones, Thomas H., Plainfield, N. J. Coffee urn. 1,687,095; Oct. 9.
- Jones, Thomas H., Woodthorpe, England. Circular-knitting machine and the production of fabrics thereon. 1,690,729; Nov. 6.
- Jones, Tom D. (See Wayland, J. T., and Jones.)
- Jones, Walter E., Lynchburg, Va. Conveyor. 1,681,859; Aug. 21.
- Jones, Warren C., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Adjustable earpiece for audiphones. 1,668,910; May 8.
- Jones, Warren C., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone receiver. 1,687,211; Oct. 9.
- Jones, Wendell A. (See Sanctuary, W. C., and Jones.)
- Jones, William A. (See Jacobus, D. S., and Jones.)
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler furnace. 1,680,945; Aug. 14.
- Jones, William A., Fort Worth, Tex., assignor to National Vehicle Rim Corporation. Vehicle wheel rim. 1,690,981; Nov. 6.
- Jones, William B. (See Bracken, William A., assignor.)
- Jones, William C., Alameda, Calif. Liquid-dispensing apparatus. 1,690,730; Nov. 6.
- Jones, William E., Hennepin, Minn., assignor to O. B. McClintock Company. Burglar-alarm system. 1,669,564; May 15.
- Jones, William H., Schenectady, N. Y., assignor to General Electric Company. Clinical thermometer. 1,693,299; Nov. 27.
- Jones, William L., Los Angeles, Calif. Flush valve. 1,655,729; Jan. 10.
- Jones, Willis H., Buffalo, N. Y. Pipe-flange wrench. 1,677,637; July 17.

- Jones, Winfield S., et al. (See Jones, W. S., and Baker, assignors.)
- Jones, Winfield S., Brea, and H. U. Baker, assignors of three-eighths to W. S. Jones, two-eighths to H. U. Baker, and three-eighths to E. D. Jones, Los Angeles, Calif. Perforator. 1,685,492; Sept. 25.
- Jones, Winfield S., and A. E. McLean, Long Beach, Calif. Clamp. 1,688,718; Oct. 23.
- Jones, Winslow, Seattle, Wash. Cutter head. 1,693,445; Nov. 27.
- Jones, Zachariah F., Scottsville, Va. Fire escape. 1,671,527; May 29.
- Jones, Zeddie E., San Francisco, Calif. Telephone attachment. 1,688,276; Oct. 16.
- Jonkheer Meester Doctor Jelle Roelof Clifford Koeq Van Breugel. (See Harms, Johannes F. K., assignor.)
- Jonkhoff, Henri W., Hilversum, Netherlands. Common truck for two loading platforms. 1,654,814; Jan. 3.
- Jönsson, Anders, Helsingborg, Sweden. Resistance welding machine. 1,663,200; Mar. 20.
- Jo Pet, Inc. (See Petty, John, assignor.)
- Jopson, William G., assignor to C. A. Reed Company, Williamsport, Pa. Decorative wreath. 1,694,125; Dec. 4.
- Jordahl, Anders, New York, N. Y. Filter medium for air filters. 1,676,191; July 8.
- Jordan, Carl C. (See Ladd, J. W., and Jordan.)
- Jordan, Carl C. (See Ladd, J. W., Williams, and Jordan.)
- Jordan, Charles J., assignor of one-fourth to R. G. Schaub. Woodbury, N. J. Method and apparatus for manufacturing fire-polished sheet glass. 1,677,095; July 10.
- Jordan, Franz, Wickede-on-the-Ruhr, Germany. Plating metals with aluminum. 1,679,308; July 31.
- Jordan, George E., Perry, Ga. Safety arrangement for railroad crossings. 1,696,637; Dec. 25.
- Jordan, Hans. (See Schoeller, W., and Jordan.)
- Jordan, Hans, Berlin-Steglitz, assignor to the firm: Chemische Fabrik auf Actien vorm. E. Schering, Berlin, Germany. Alkyl cumaranes and making same. 1,679,664; Aug. 7.
- Jordan, Hans, Berlin-Steglitz, assignor to the firm: Chemische Fabrik auf Actien, vorm. E. Schering, Berlin, Germany. Producing condensation products from crude cresol and acetone. 1,696,769; Dec. 25.
- Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trisazo dyes for cotton and making the same. 1,663,454; Mar. 20.
- Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Trisazo dye and making same. 1,674,114; June 19.
- Jordan, Isaac N., assignor to Armour & Company, Chicago, Ill. Processing of meats. 1,663,707; Mar. 27.
- Jordan, James D., assignor to The Ken-Rad Corporation, Owensboro, Ky. Thermionic vacuum tube. 1,685,326; Sept. 25.
- Jordan, Leonard A., New Glasgow, Nova Scotia, Canada. Fox ranch. 1,693,756; Dec. 4.
- Jordan, O. F., Company. (See Banton, Albert W., assignor.)
- Jordan, O. F., Company. (See Curtis, John F., assignor.)
- Jordan, O. F., Company. (See Protzeller, Harry W., assignor.)
- Jordan, Otto. (See Drossbach, O., and Jordan.)
- Jordan, Paul R., Indianapolis, Ind. Exhaust ventilator. 1,688,082; Oct. 16.
- Jordan, Ralph A., and N. S. Fillya, New York, N. Y. Form for plastic materials. 1,658,681; Feb. 7.
- Jordan, Roy A., Erie, Pa. Incubator. 1,675,105; June 26.
- Jordan, Roy E., Newark, N. J., assignor to The Mosaic Tile Company. Recessed soap dish. Des. 74,374; Feb. 7.
- Jordan, Thomas E., Wakefield, Mass. Shoe-polishing cabinet. 1,660,712; Feb. 28.
- Jordan, William, Lancaster, Nebr. Oven for cooking stoves. 1,681,668; Aug. 21.
- Jordan, William C., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,655,061; Jan. 3.
- Jordan, William C., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,661,536; Mar. 6.
- Jordan, William M., Miami Beach, Fla. Fish bait. 1,657,966; Jan. 31.
- Jordanoff, Assen C., assignor to Venera Accessories Company, Inc., New York, N. Y. Vacuum-cleaner attachment for motor vehicles. 1,654,652; Jan. 3.
- Jordanoff, Assen, assignor to Venera Accessories Company, Inc., New York, N. Y. Vacuum-cleaner attachment for motor vehicles. 1,654,653; Jan. 3.
- Jorden, John, Oakley, Kans. Power-operated wrench. 1,666,600; Apr. 17.
- Jording, Christian H., assignor to The John W. Brown Mfg. Co., Columbus, Ohio. Vehicle head lamp. 1,674,012; June 19.
- Jording, Christian H., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Vehicle headlight. 1,690,016; Oct. 30.
- Jorgen-Jensen, Erik, Edgbaston, Birmingham, England. Apparatus for casting under pressure. 1,684,994; Sept. 18.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine and method for use in shaping uppers. 1,667,789; May 1.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers. 1,667,936; May 1.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-trimming machine. 1,680,383; Aug. 14.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,680,384; Aug. 14.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,694,444; Dec. 11.
- Jorgensen, Bernhardt, Beverly, Mass., assignor to United Oil Company of California, Los Angeles, Calif. Decolorizing kerosene, gasoline, and similar light petroleum distillates. 1,695,251; Dec. 11.
- Jorgensen, Christian, Copenhagen, Denmark. Homogenizing valve. 1,662,749; Mar. 13.
- Jorgensen, Christian A. (See Martin, Thomas, assignor.)
- Jorgensen, Clarence H. and P. J., Chicago, Ill. Primer. 1,668,209; May 1.
- Jorgensen, Edmund N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working mechanism. 1,682,911; Sept. 4.
- Jorgensen, George C., Red Wing, Minn. Bedstead. Des. 76,689; Oct. 23.
- Jorgensen, Hans G., Erie, Pa., assignor, by mesne assignments, to General Electric Company. Joint strip. Re17,061; Aug. 7.
- Jorgensen, Hans G., Erie, Pa., assignor, by mesne assignments, to General Electric Company. Joint strip. Re17,062; Aug. 7.
- Jorgensen, Peter J. (See Jorgensen, Clarence H. and P. J.)
- Joron, Rodolphe E., Chicoutimi, Quebec, Canada. Alarm system. 1,684,032; Sept. 11.
- Jose, Victor R., jr., Indianapolis, Ind. Thermometer unit. 1,670,507; May 22.
- Joselowitz, Harry A., Minneapolis, Minn. Folding bed. 1,694,420; Dec. 11.
- Joseph, Arthur H., Detroit, Mich., assignor to The Mileometer Company, Chicago, Ill. Speedometer construction. 1,687,251; Oct. 9.
- Joseph, Edward L., London, England. Filter for air and other gases. 1,695,237; Dec. 11.
- Joseph, Fred C., New York, N. Y. Jewelry setting. Des. 74,888; Apr. 10.
- Joseph, Fred C., New York, N. Y. Jewelry setting. Des. 75,370; May 29.
- Joseph, Frederick. (See Creamer, I. P., and Joseph.)
- Joseph, Joseph S., Greenwood, Miss. Puzzle. 1,656,117; Jan. 10.
- Joseph, Sigmund, New York, N. Y. Cake pan or the like. Des. 75,427; June 5.
- Joseph, Theodore H., New York, N. Y. Lock. 1,660,199; Feb. 21.
- Joseph, Theodore H., assignor to The Silent Watchman Corporation, New York, N. Y. Double lock for doors. 1,692,663; Nov. 20.
- Joseph, William C., Fort Worth, Tex. Fastening device for floor coverings. 1,685,362; Sept. 25.
- Joseph, Anatol M., assignor to Photomaton, Inc., New York, N. Y. Developing apparatus for photographic film strips. 1,656,522; Jan. 17.
- Joseph, Anatol M., assignor to Photomaton Inc., New York, N. Y. Electric coin-control mechanism. 1,658,167; Feb. 7.
- Joseph, Anatol M., assignor to Photomaton Inc., New York, N. Y. Electrical control mechanism for photographic machines. 1,671,588; May 29.
- Joseph, Anatol M., assignor to Photomaton Inc., New York, N. Y. Automatic camera for taking timed sequences of portraits. 1,671,644; May 29.
- Josephs, Julius. (See Ikofsky, B., and Josephs.)
- Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Rubber mounting for car bodies. 1,660,676; Feb. 28.
- Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Control means for throttle valves and the like. 1,684,033; Sept. 11.
- Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Pressure-relief valve for fluid pumps. 1,692,375; Nov. 20.
- Josephson, Louis, assignor to Breakstone Bros. Inc., New York, N. Y. Wrapper for food products. 1,661,479; Mar. 6.
- Josephson, Romeo H., Parramatta, near Sydney, New South Wales, Australia. Commutator distributor for internal-combustion engines. 1,682,525; Aug. 28.
- Josephson, Walter S., Long Island City, assignor, by mesne assignments, to Dry Ice Corporation of America, New York, N. Y. Carbonator. 1,655,816; Jan. 10.
- Josephson, Walter S., Brooklyn, assignor to Prest-Air Corporation, New York, N. Y. Carbon-dioxide freezing apparatus, method, and product. 1,659,431; Feb. 14.
- Josinsky, John, Bayside, N. Y. Telephone receiver attachment. 1,672,761; June 5.
- Joslin, Charles T., Peura Bush, N. Y. Separable multiple form. 1,657,011; Jan. 24.
- Joslin, Frank M., Amsterdam, N. Y. Making collapsible boxes. 1,694,126; Dec. 4.

- Joslin, Pliny N., De Kalb, Ill. Roller. 1,673,364; June 12.
- Joslyn, Dayton S., assignor to H. Carstens Mfg. Co., Chicago, Ill. Pessary. 1,662,925; Mar. 20.
- Joslyn Manufacturing & Supply Co. (See Smalley, Burton M., assignor.)
- Joslyn, Paul L., San Francisco, Calif. Internal-combustion engine. 1,671,826; May 29.
- Jost, Albert, Yonkers, N. Y. Safety device for airplanes. 1,677,638; July 17.
- Jost, Friedrich, Sodingen, assignor to Karl Müller, Berlin-Lichterfelde-West, Germany. Purifying gases. 1,681,702; Aug. 21.
- Joughin, Robert, Waikino, New Zealand. Adapting motor tractors for haulage purposes on rail or tram lines. 1,677,184; July 17.
- Joughins, George R., Elizabeth, N. J. Railway box freight car. 1,690,170; Nov. 6.
- Joughins, George R., New York, N. Y. Pneumatic spring. 1,691,482; Nov. 13.
- Jourdan, William, Chicago, Ill. Preparing food products. 1,690,449; Nov. 6.
- Jovien, Frank, Chicago, Ill. Safety device for scaffolds. 1,667,788; May 1.
- Jowett, George F., Philadelphia, assignor to Jowett Institute of Physical Culture, Inc., Scranton, Pa. Dumbbell. 1,672,944; June 12.
- Jowett, Harold, La Crosse, Wis. Damper. 1,668,911; May 8.
- Jowett Institute of Physical Culture, Inc. (See Jowett, George F., assignor.)
- Joy, Amos B., Redondo Beach, Calif. Push rod. 1,680,128; Feb. 21.
- Joy, Frank. (See Laterra, J., and Joy.)
- Joy, Robert W., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Tank-car-dome closure. 1,665,868; Apr. 10.
- Joy, Robert W., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Car-tank-dome closure. 1,685,132; Sept. 25.
- Joy, Robert W., Brooklyn, N. Y., and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Car-tank closure. 1,665,369; Apr. 10.
- Joy, Walter G., and C. R. Cherry, Cleveland, Tex. Measuring apparatus. 1,668,370; May 1.
- Joyal, Aurelius C., St. Norbert, Manitoba, Canada. Nut and bolt lock. 1,656,118; Jan. 10.
- Joyce, Bryan P., Davenport, Iowa. Packing ring. Re-16,978; May 29.
- Joyce, Bryan P., Davenport, Iowa. Liquid-level gauge. 1,670,578; May 22.
- Joyce, Bryan P., Davenport, Iowa. Cylinder head and packing. 1,678,946; July 31.
- Joyce, Charles S., Brooklyn, N. Y. Valve for internal-combustion engines. 1,683,077; Sept. 4.
- Joyce-Cridland Company, The. (See Dawley, James C., assignor.)
- Joyce-Cridland Company, The. (See Dawley, J. C., Derby, and Kilian, assignors.)
- Joyce, Edward F., Wheeling, W. Va. Hanger for trolley wires. 1,689,632; Oct. 30.
- Joyce, Harold L., East Orange, N. J., assignor, by mesne assignments, to Splittorf Electrical Company, Newark, N. J. Switch. 1,675,352; July 3.
- Joyce, James D., Philadelphia, Pa. Thread guide. 1,657,576; Jan. 31.
- Joyce, Lyndon W., Greensboro, N. C. Winding device and reel for elastics or tapes. 1,669,248; May 8.
- Joyce, Richard F., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of heel-seat fitting. 1,688,462; Oct. 23.
- Joyce, Temple N., Arnold, Md., assignor to Curtiss Aeroplane & Motor Company, Inc. Adjustable windshield. 1,682,229; Aug. 28.
- Joyner, Laurie, Philadelphia, Pa. Cylinder cock. 1,677,781; July 17.
- Joyner, Marjorie S., Chicago, Ill., assignor to The Madame C. J. Walker Manufacturing Company, Indianapolis, Ind. Permanent-waving machine. 1,693,515; Nov. 27.
- Jubien, Paul, assignor to B. F. Gump Co., Chicago, Ill. Agitator. 1,675,560; July 3.
- Jubien, Paul, and P. Naeher, Chicago, Ill.; said Jubien assignor to said Naeher. Agitator. 1,654,815; Jan. 3.
- Judd, Arthur C., New York, N. Y. Rod packing. 1,680,684; Aug. 14.
- Judd, Earle S., and R. Russo, Southington, Conn. Paper-hanger's board. 1,695,766; Dec. 18.
- Judd, H. L., Company. (See Dlouhy, August, assignor.)
- Judd, H. L., Company. (See Edsall, William H., assignor.)
- Judd, H. L., Company. (See Long, George M., assignor.)
- Judd, H. L., Company. (See Vermillion, Raymond H., assignor.)
- Judd, Ralph P., Cleveland, Ohio. Lubricating compound. Re-16,943; Apr. 24.
- Judd, Richard, E. Taylor, and R. S. McNaney, assignors to Premier Warm-Air Heater Company, Dowagiac, Mich. Additional air supply for warm-air furnaces. 1,664,821; Apr. 3.
- Judd, Richard, E. Taylor, and R. S. McNaney, assignors to Premier Warm-Air Heater Company, Dowagiac, Mich. Direct-draft regulator for warm-air furnaces. 1,670,508; May 22.
- Judd, Richard M., E. C. Taylor, and R. S. McNaney, assignors to Premier Warm Air Company, Dowagiac, Mich. Warm-air furnace. 1,663,633; Mar. 27.
- Judd, Richard M., E. C. Taylor, and R. S. McNaney, assignors to Premier Warm-Air Heater Company, Dowagiac, Mich. Casing hanger. 1,669,664; May 15.
- Judd, Richard M., E. C. Taylor, and R. S. McNaney, assignors to Premier Warm Air Heater Company, Dowagiac, Mich. Direct-draft regulator for warm-air furnaces. 1,682,527; Aug. 28.
- Judd, Richard M., E. C. Taylor, and J. Worth, assignors to Premier Warm Air Heater Company, Dowagiac, Mich. Casing hanger. 1,682,526; Aug. 28.
- Jude, Alexander, assignor to Belliss and Morcom Limited, Birmingham, England. Turbo air or gas compressor. 1,689,671; Oct. 30.
- Judelson, Julius, New York, N. Y. Drier cabinet. 1,691,290; Nov. 13.
- Judelson, Louis, New York, N. Y. Clothes wringer. 1,654,816; Jan. 3.
- Judelson, Louis, New York, N. Y. Drier. 1,687,772; Oct. 16.
- Judelson, Louis, New York, N. Y. Clothes wringer. 1,690,117; Nov. 6.
- Judelson, Louis, New York, N. Y. Drier cabinet. 1,692,271; Nov. 20.
- Judge, Arthur W., Cleveland, Ohio. Washout-plug wrench. 1,687,727; Oct. 16.
- Judge, Edward J. (See Cutler, Peirce, assignor.)
- Judge, Joseph J., Rochester, N. Y. Multiple tool. 1,662,424; Mar. 13.
- Judson, Horace H., Long Island, assignor to J. H. Stone, Port Washington, N. Y. Cork-covered metal building sheet. 1,659,539; Feb. 14.
- Judson, Nathaniel, New York, N. Y. Stocking. Des. 76,690; Oct. 23.
- Judson, Nathaniel, New York, N. Y. Hook bar for foot-ing machines. 1,662,678; Mar. 13.
- Judson, Russell V., Detroit, Mich. Adjustable sorting machine. 1,665,061; Apr. 3.
- Judson, Sylvia S., Chicago, Ill. Handle for faucets or the like. Des. 75,428; June 5.
- Judy, Wilbur H., assignor to Sumet Corporation, Buffalo, N. Y. Metallic composition and making the same. 1,686,277; Oct. 2.
- Juengst, Charles A., Croton Falls, assignor to American Assembling Machine Company, New York, N. Y. Signature gatherer. 1,655,423; Jan. 10.
- Juengst, Charles A., Croton Falls, N. Y., assignor to American Assembling Machine Company, Inc., Memphis, Tenn. Art of and machine for assembling books. 1,688,970; Oct. 23.
- Juengst, Fred W., assignor to Landers, Frary & Clark, New Britain, Conn. Cover for washing-machine tubs. 1,678,516; July 24.
- Juergens, Arnold C., Omaha, Nebr. Display rack. Des. 75,628; June 26.
- Jugo, José V., Buenos Aires, Argentina. Finger-exercising machine. 1,688,188; Oct. 16.
- Juhasz, John. (See Overdorff, C., and Juhasz.)
- Juhasz, John, New York, N. Y. Charge-forming device for internal-combustion engines. 1,656,356; Jan. 17.
- Juhasz, John, New York, N. Y. Carburetor. 1,694,386; Dec. 11.
- Juhasz, Kalman, Hamburg-Wandsbeck, Germany. Pressure indicator. 1,695,591; Dec. 18.
- Juhlin, Gustaf A., Sale, and L. Miller, Whitefield, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, Marine propulsion. 1,689,877; Oct. 30.
- Julian, Evelyn. (See Tomasulo, Nestor N., assignor.)
- Julian, Gideon J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,690,198; Nov. 6.
- Juliano, John, Niagara Falls, N. Y. Sled. 1,679,975; Aug. 7.
- Julien, Bartholomew, Omaha, Nebr., assignor to Camel Company, Chicago, Ill. Door-operating mechanism. 1,659,029; Feb. 14.
- Julien, Louis F. (See Glaser, J. P., Julien, and Whitten.)
- Julien, Victor. (See Klausmeyer, D. C., and Julien.)
- Julihn, Louis G., Washington, D. C., assignor to Elliott-Fisher Company. Form-locating means. 1,666,140; Apr. 17.
- Julius, Frederic S., Philadelphia, Pa. Bottle protector and closure. 1,686,238; Oct. 2.
- Julyan, Fred G., Euclid, Ohio, assignor to Auto Mechanical Products Company, Chicago, Ill. Battery connector. 1,690,118; Nov. 6.
- Jump, George H., Buffalo, N. Y., assignor to General Electric Company. Slip-regulator control. 1,669,132; May 8.
- Jump, George H., Buffalo, N. Y., assignor to General Electric Company. Heating control system. 1,694,323; Dec. 4.
- Jump, Samuel C. (See Morgan, John H., assignor.)
- June, Perry E. (See June, William E., assignor.)
- June, William E., Denver, Colo., assignor to P. E. June, Sacramento, Calif. Shelving construction. 1,687,671; Oct. 16.
- Juneau, Anna K., administratrix. (See Juneau, C. G., and Marshall.)

- Juneau, Charles G., deceased, by A. K. Juneau, administratrix, Wauwatosa, and W. C. Marshall, Milwaukee, Wis. Refrigerator. 1,693,387; Nov. 27.
- Jünemann, August, Wittenberge, Germany. Surgical forceps. 1,664,112; Mar. 27.
- Jung, Harry A., Binghamton, N. Y. Beam compass. 1,670,509; May 22.
- Jung, Herman, et al. (See Miller, Adolph N., assignor.)
- Jung, Jacob, Hamburg, Germany. Die-throwing device. 1,679,360; Aug. 7.
- Jung, John A., Philadelphia, Pa. Violin bow. 1,655,613; Jan. 10.
- Jung, Peter, Berlin-Neukölln, Germany. Making briquettes. 1,675,272; June 26.
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Shaft packing. 1,670,071; May 15.
- Junggren, Oscar, assignor to General Electric Company. Schenectady, N. Y. Elastic-fluid turbine. 1,672,721; June 5.
- Junghans, Oskar, deceased, Schramberg, Germany; S. Junghans, administrator. Percussion fuse. 1,665,666; Apr. 10.
- Junghans, Oskar, deceased, Schramberg, by S. Junghans, administrator, Villingen, Baden, Germany. Mechanical time fuse. 1,693,516; Nov. 27.
- Junghans, Siegfried, administrator. (See Junghans, Oskar.)
- Jungk, Herbert G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Flexible cradle mounting. 1,678,860; July 31.
- Jungk, Herbert G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. 1,683,676; Sept. 11.
- Jungner, Ernst W., Kneippbad, Sweden. Primary galvanic battery. 1,661,224; Mar. 6.
- Junior Monarch Hay Press Company. (See Toffelmier, L. J., and Miller, assignors.)
- Junkers, Hugo. (See Lürken, Matthias, assignor.)
- Junkers, Hugo. (See Retschy, Curt, assignor.)
- Junkers, Hugo. (See Weismann, Charles, assignor.)
- Junkers, Hugo, Dessau, Germany. Crank shaft. 1,661,181; Mar. 6.
- Junkers, Hugo, Dessau, Germany. Shock-absorbing means. 1,661,182; Mar. 6.
- Junkers, Hugo, Dessau, Germany. Wall-forming member. 1,661,183; Mar. 6.
- Junkers, Hugo, Dessau, Germany. Internal-combustion engine. 1,679,976; Aug. 7.
- Junkers, Hugo, Dessau, Germany. Working oil engine. 1,683,040; Sept. 4.
- Junkunc, John, Chicago, Ill. Cusbloning casing for locks. 1,662,612; Mar. 13.
- Junkunc, John, Chicago, Ill. Cylinder padlock. 1,663,799; Mar. 27.
- Junkunc, John, Chicago, Ill. Spare-tire lock. 1,679,665; Aug. 7.
- Junkunc, John, Chicago, Ill. Lock. 1,696,488; Dec. 25.
- Junoform Company, The. (See Smith, Goodwin B., assignor.)
- Jupiter Spark Plug Company. (See Macdonald, Maynard F., assignor.)
- Jupp, William B., assignor to International Motor Company, New York, N. Y. Railway-car body. Des. 76,940; Nov. 20.
- Jupp, William B., Brooklyn, assignor to International Motor Company, New York, N. Y. Removable-unit mounting. 1,685,569; Sept. 25.
- Jupp, William B., Brooklyn, assignor to International Motor Company, New York, N. Y. Generator-fan construction. 1,692,376; Nov. 20.
- Jupp, William B., assignor to International Motor Company, New York, N. Y. Car-body construction. 1,692,377; Nov. 20.
- Jurad, Joseph B., Newton, Mass. Bolt and lubricator therefor. 1,673,459; June 12.
- Jurado, Arthur W., and C. J. Santori, Los Angeles, Calif. Smokers' combination stand. Des. 74,177; Jan. 3.
- Juralawicz, Joseph, Meriden, Conn. Fume guard for cooking ranges. 1,686,617; Oct. 9.
- Jurgens, Emil G. (See Becker, H. K., and Jurgens.)
- Jurgensen, August P. (See Chayes, H. E. S., and Jurgensen.)
- Jurgensen, August P., assignor to Chaves Dental Instrument Corporation, New York, N. Y. Mounting for dental grinding elements. 1,673,913; June 19.
- Jurgensen, August P., assignor to Chaves Dental Instrument Corporation, New York, N. Y. Removable dental bridgework. 1,688,145; Oct. 16.
- Jurlicinec, François, Paris, France. Monkey wrench. 1,664,932; Apr. 3.
- Jurling, Jan G., The Hague, assignor to Fabriek van Chemische Producten, Schiedam, Netherlands. Making and spinning derivatives of cellulose and formic acid. 1,656,119; Jan. 10.
- Jurs, Louis D., San Francisco, Calif. Liquid-dispensing apparatus. 1,672,533; June 5.
- Jury, Frank W., assignor to The Falk Corporation, Milwaukee, Wis. Gear-cutting machine. 1,684,099; Sept. 11.
- Jury, Walter H., Sausalito, Calif. Curtain-testing frame. 1,680,547; Aug. 14.
- Just, Emil, Bronx, N. Y. Internal-combustion engine. 1,692,840; Nov. 27.
- Just, Fritz. (See Daimler, K., Just, Balle, and Fuchs.)
- Justus, Henry W., Napanoch, N. Y. Steam trap. 1,679,309; July 31.
- Juvenile Wood Products Company. (See Hess, William J., assignor.)
- Jyumi, Motogo, Oakland, Calif. Closure for fish bowls or the like. 1,674,046; June 19.
- K. P. Products Co. Inc. (See Hufford, R., and Adler, assignors.)
- K. P. Products Co. Inc. (See Knauss, Edward, assignor.)
- K. P. Products Co. Inc. (See Knauss, E., and Adler, assignors.)
- K-W Ignition Corporation, The. (See Mallory, Marion, assignor.)
- K-W Ignition Corporation, The. (See Williams, J. A., and Karkau, assignors.)
- Kaber, Joseph W., Cleveland, Ohio. Transfer sign. 1,678,341; July 24.
- Kaberline, Peter M. (See Allendorf, G. A., and Kaberline.)
- Kabisus, Walter, assignor to the firm of Carl Zeiss, Jena, Germany. Depth gauge. 1,679,473; Aug. 7.
- Kaczmariski, Bronislaw, Detroit, Mich. Shade roller. 1,664,627; Apr. 3.
- Kade, Friedrich, Kiel, assignor, by mesne assignments, to Deutsche Werke Kiel Aktiengesellschaft, Deutsche Werk, Kiel, Germany. Compensated induction motor. 1,657,677; Jan. 31.
- Kade, Friedrich, assignor to Deutsche Werke Kiel Aktiengesellschaft, Kiel, Germany. Compensated induction motor for single or polyphase alternating current. 1,667,664; Apr. 24.
- Kade, Friedrich, assignor to Deutsche Werke Kiel Aktiengesellschaft, Kiel, Germany. Protective device for compensated asynchronous motors. 1,675,495; July 3.
- Kadel, Byers W., Baltimore, Md. Car-door lock. 1,658,600; Feb. 7.
- Kadel, Byers W., Baltimore, Md. Side frame. 1,660,968; Feb. 28.
- Kadel, Byers W., Baltimore, Md. Car-door arrangement. 1,669,133; May 8.
- Kadel, Byers W., Baltimore, Md. Car-door-locking mechanism. 1,681,669; Aug. 21.
- Kadel, Byers W., Baltimore, Md. Car-door mechanism. 1,686,239; Oct. 2.
- Kadel, Byers W., Baltimore, Md. Car-door mechanism. 1,686,618; Oct. 9.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Cast-steel side frame. 1,661,833; Mar. 6.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Journal-box lid. 1,661,834; Mar. 6.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Side frame. 1,677,347; July 17.
- Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,683,899; Sept. 11.
- Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Spring plank. 1,656,564; Oct. 9.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Draft rigging. 1,687,163; Oct. 9.
- Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Draft gear. 1,688,389; Oct. 23.
- Kadel, Henry D., Brooklyn, N. Y. Electric bulb. Des. 74,749; Mar. 20.
- Kadel, Henry D., Brooklyn, N. Y. Electric bulb. Des. 75,429; June 5.
- Kadel, Henry D., Brooklyn, N. Y. Electric bulb. Des. 75,430; June 5.
- Kadel, Nicholas, Glendale, Calif. Underground antenna. 1,667,008; Apr. 24.
- Kadernaschka, William. (See Pruett, C. D., and Kadernaschka.)
- Kading, Charles A. (See Schnitzger, Emil R., assignor.)
- Kadow, August. (See Smith, David C., assignor.)
- Kadow, August, Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company. Manufacturing glass. 1,654,817; Jan. 3.
- Kadow, August, and A. C. Parker, assignors to The Libbey Glass Manufacturing Company, Toledo, Ohio. Manufacturing glass. 1,674,366; June 19.
- Kadow Foundation, Incorporated. (See Smith, David C., assignor.)
- Kneeci, Hans. (See Blumfeldt, A., and Kaegi.)
- Kachler, Paul, Berlin-Lichtenberg, assignor to Bergmann-Elektricitäts-Werke Aktiengesellschaft, Berlin, Germany. Turbine. 1,670,452; May 22.
- Kaehni, Frank J. and W. L., Cleveland, Ohio. Transformer. 1,683,389; Sept. 4.
- Kaehni, William L. (See Kaehni, Frank J. and W. L.)
- Kaelma Manufacturing Company. (See Snyder, George C., assignor.)
- Kaempfer, Wilhelm. (See Nagel, O., and Kaempfer.)
- Kaestner & Hecht Company. (See Hecht, Frank A., jr., assignor.)
- Kaffenburgh, Albert W., jr. (See Hodges, Tom, assignor.)
- Kaffer, Joan W. J., Meester-Cornelis, Java, Dutch East Indies. Electrical heating and cooking apparatus. 1,677,032; July 10.
- Kafka, Rudolf D., Cleveland, Ohio. Resilient toy ball. Des. 74,569; Feb. 28.

- Kägi, Emil, assignor to the firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Compressor. 1,683,390; Sept. 4.
- Kahaleolu, Joseph K., Honolulu, Hawaii. Switch. 1,691,291; Nov. 13.
- Kahl, Franz, assignor of six-tenths to W. Landau, Berlin, Germany. Therapeutic implement. 1,695,107; Dec. 11.
- Kahlbaum, C. A. F., Chemische Fabrik G. m. b. H. (See Heyn, Myron, assignor.)
- Kahle, James C., Erie, Pa. Pitman connection. 1,662,502; Mar. 13.
- Kahlen, Johannes W., Vancouver, British Columbia, Canada, assignor of one-half to U. L. Rhodes, Bellingham, Wash. Surgeon's safety saw for plaster casts. 1,687,773; Oct. 16.
- Kahler, Joseph, assignor of one-half to Gohmann Bros. and Kahler Company, New Albany, Ind., and one-half to V. E. Schmiedeknecht, Louisville, Ky. Sand baffle. 1,671,589; May 29.
- Kahlhaupt, Erich. (See Tschochner, K., and Kahlhaupt.)
- Kahlk, Frank. (See Bartosh, Joseph F., assignor.)
- Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Cooking stove. 1,671,192; May 29.
- Kahn, George, Chicago, Ill. Fuse. 1,672,261; June 5.
- Kahn, Herbert, assignor to Kahn Mirror Plate Company, St. Louis, Mo. Display sign and the like. 1,696,489; Dec. 25.
- Kahn, Joseph, Chicago, Ill. Palette for gold-stamping presses. 1,681,733; Aug. 21.
- Kahn, Julius, assignor to Truscon Steel Company, Youngstown, Ohio. Metallic joist. 1,691,722; Nov. 13.
- Kahn Mirror Plate Company. (See Kahn, Herbert, assignor.)
- Kail, Simon, Akron, Ohio. Automatic feeding mechanism for tapping machines. 1,685,542; Sept. 25.
- Kaim, Edmund, assignor to J. Koenig, Jersey City, N. J. Niche. Des. 77,239; Dec. 18.
- Kaimer, Richard V., assignor to The English & Mersick Co., New Haven, Conn. Latch for vehicle doors. Ref. 035; July 17.
- Kaiser, Charles. (See Boman, C. W., and Kaiser.)
- Kaiser, Charles S., Summit, N. J. Liquid-dispensing device. 1,673,007; June 12.
- Kaiser, Henry C., Chicago, Ill. Decorative pencil. 1,670,362; May 22.
- Kaiser, Otto. (See Fritzsche, H., Krummenacher, Gubler, and Kaiser.)
- Kaiser, Paul G., Chicago, Ill. Boller circulator. 1,671,871; May 29.
- Kaisha, Saibi M. K. (See Kakuda, Saibel, assignor.)
- Kaisling, William, assignor to The Kellogg Switchboard and Supply Company, Chicago, Ill. Ignition switch. 1,655,614; Jan. 10.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Variable element. 1,663,010; Mar. 20.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Lock for combination lighting and ignition switches. 1,674,865; June 26.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiver. 1,677,185; July 17.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Combination switch. 1,681,241; Aug. 21.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Lock for ignition and lighting switches. 1,693,844; Dec. 4.
- Kajihara, Shichiro. (See Shinohara, Kikujii, assignor.)
- Kakuda, Saibel, assignor to S. M. K. Kaisha, Fukuyama-shi, Japan. Reed for net-making machines. 1,664,113; Mar. 27.
- Kakuda, Saibel, assignor to S. M. K. Kaisha, Fukuyama-shi, Japan. Apparatus for arranging edges of net fabrics in net-making machines. 1,667,461; Apr. 24.
- Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
- Kalamazoo Vegetable Parchment Company. (See Jones, Harold H., assignor.)
- Kalayjian, Jacob, Pasadena, Calif. Ironing board. 1,684,034; Sept. 11.
- Kalbfeisch Corporation of New York, The. (See Pick, Paul, assignor.)
- Kalbitz, Otto. (See Döring, F., and Kalbitz.)
- Kalenoff, Godel, Brooklyn, N. Y. Tooth cleaner. 1,695,238; Dec. 11.
- Kales Stamping Company. (See Zink, Fred W., assignor.)
- Kalgren, John E., assignor to The J. R. Clark Company, Minneapolis, Minn. Routing machine. 1,678,814; July 31.
- Kalgren, John E., assignor to The J. R. Clark Co., Minneapolis, Minn. Ironing board. 1,688,636; Oct. 23.
- Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Extension-ladder-assembling machine. 1,695,461; Dec. 18.
- Kalies, Gustav C., Butte, Mont. Direction signal. 1,675,298; June 26.
- Kalikow, Samuel M., Brooklyn, N. Y. Theft alarm. 1,658,848; Feb. 14.
- Kalina, Loeser, Brooklyn, N. Y. Envelope. 1,680,946; Aug. 14.
- Kalinowsky, Traugott. (See Peters, W., Stier and Kalinowsky.)
- Kalkanis, James N., Detroit, Mich. Candy-making device. 1,685,605; Sept. 25.
- Kalkner, Friedrich, Mogeldorf, near Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Searchlight. 1,678,861; July 31.
- Kallenbaugh Corporation. (See Kallenbaugh, Samuel E., assignor.)
- Kallenbaugh, Samuel E., Manchester, Ga., assignor to Kallenbaugh Corporation. Web-feeding attachment for job printing presses. 1,696,638; Dec. 25.
- Kallmeyer, Theophilus, Wilmington, Calif. Apparatus for lifting oil in oil wells. 1,677,349; July 17.
- Kalman Steel Company. (See Gersman, H. M., and Klocke, assignors.)
- Kalman Steel Company. (See Jaffe, Harry, assignor.)
- Kalman Steel Company. (See White, William E., assignor.)
- Kalmar, Bertalan, and M. Kollin, Long Island City, N. Y. Electric soldering iron. 1,686,328; Oct. 2.
- Kaltwasser, Oskar, Berlin, H. Oehrn, Charlottenburg, and H. Kirchhoff, Berlin-Lichterfelde, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Ortho-hydroxyazo, dye. 1,676,697; July 10.
- Kalypol Products Inc. (See Arthur, Richard S., assignor.)
- Kamaka, Samuel K., Honolulu, Hawaii. Ukulele. Des. 74,178; Jan. 3.
- Kamas, John C., Bellville, Tex. Stock barrier and crossing. 1,688,238; Oct. 16.
- Kamedish, Peter B., assignor of one-third to S. T. Starr and one-third to C. H. Forrester, sr., Winnipeg, Manitoba, Canada. Attachment to locomotive. 1,666,388; Apr. 17.
- Kamen, John F., River Forest, Ill. Wireworking machine. 1,663,663; Mar. 27.
- Kamensky, Basile, Berlin, Germany. Internal-combustion engine without carburetor. 1,664,747; Apr. 3.
- Kamerick, Martin T., Pella, Iowa. Tractor hitch. 1,677,639; July 17.
- Kammerman, Albert, Cleveland, Ohio. Liquid-level gauge. 1,656,068; Jan. 10.
- Kammerman, Albert, Cleveland, Ohio. Liquid-level-indicating device. 1,656,069; Jan. 10.
- Kaminsky, Rubin, Jersey City, N. J., assignor to Melrose Slipper Co. Inc., New York, N. Y. Turn shoe. 1,684,543; Sept. 18.
- Kammerdörner, James A., Los Angeles, Calif. Rotary jar. 1,672,321; June 5.
- Kammerer, Archer W., Fullerton, Calif. Well-drilling bit. 1,685,327; Sept. 25.
- Kammerer, George, Whittier, and F. Hill, Los Angeles, Calif. Long-stroke pumping apparatus. 1,655,062; Jan. 3.
- Kammerer, William H., Kalamazoo, Mich. Soil-working implement. 1,688,971; Oct. 23.
- Kämpf, Adolf, Premnitz, Germany. Precipitating artificial threads, ribbons, films, and the like of viscose. 1,654,818; Jan. 3.
- Kamps, Johann, Dislaken-Eppinoven, Germany. Stationary cow with wind channels. 1,691,393; Nov. 13.
- Kamrath, Herbert G., assignor to A C Spark Plug Company, Flint, Mich. Air cleaner. 1,694,784; Dec. 11.
- Kanarek, Jay H. (See Badler, Abraham A., assignor.)
- Kanawha Manufacturing Company. (See Schadel, William F., assignor.)
- Kanawver, Osceola and H. Keener, Huntington Beach, Calif. Clothesline pole and reel. 1,676,696; July 10.
- Kanda, Reidji, Tokyo-Fu, Japan. Cyaniding apparatus for treating gold ores. 1,673,982; June 19.
- Kane Boiler Works. (See Kane, Joseph J., assignor.)
- Kane, Daniel H., Dayton, Ohio. Milk-bottle closure. 1,695,190; Dec. 11.
- Kane, Ida L. (See Scherfer, J., and Kane.)
- Kane, John C., Detroit, Mich. Oscillator. 1,690,413; Nov. 6.
- Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. 1,671,077; May 22.
- Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric power system. 1,672,847; June 5.
- Kane, Joseph J., assignor to Kane Boiler Works, Galveston, Tex. Land-dredging pipe and manufacture thereof. 1,665,591; Apr. 10.
- Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Spacer for concrete reinforcement. 1,683,829; Sept. 11.
- Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Joist. 1,696,039; Dec. 18.
- Kanel, Herman, North Canton, Ohio. Signboard or similar article. Des. 75,259; May 22.
- Kanis, Oswin. (See Hofmann, A., and Kanis.)
- Kann, William L., deceased, Pittsburgh, Pa., The Bank of Pittsburgh, N. A., administrator. Battery separator. 1,688,336; Oct. 23.
- Kannaka, Edward, Sterling, Ill. Foot rest. Des. 75,371; May 29.
- Kanné, Alexander R., Brooklyn, N. Y. Supporting pedestal for lamps. Des. 77,007; Nov. 27.
- Kanné, Alexander R., Brooklyn, N. Y. Cluster lamp. Des. 77,008; Nov. 27.
- Kanné, Alexander R., Brooklyn, assignor to Kanné and Bessant, Inc., New York, N. Y. Lamp. Des. 75,565; June 19.

- Kanné, Alexander R., Brooklyn, assignor to Kanné and Bessant, Inc., New York, N. Y. Lamp body. Des. 75,566; June 19.
- Kanné, Alexander R., Brooklyn, assignor to Kanné and Bessant, Inc., New York, N. Y. Lamp body. Des. 75,567; June 19.
- Kanné, Alexander R., Brooklyn, assignor to Kanné and Bessant, Inc., New York, N. Y. Lamp-supporting bracket. Des. 75,568; June 19.
- Kanné, Alexander R., Brooklyn, assignor to Kanné & Bessant, Inc., New York, N. Y. Lamp. Des. 76,347; Sept. 18.
- Kanné, Alexander R., Brooklyn, N. Y., assignor to Kanné and Bessant, Inc., New York, N. Y. Bowl or similar article. Des. 76,543; Oct. 9.
- Kanné and Bessant, Inc. (See Kanné, Alexander R., assignor.)
- Kanneman, George E., Woodbury, N. Y. Flagpole holder for golf courses. 1,676,954; July 10.
- Kanner, Samuel, and S. Jaffe, New York, N. Y. Hat pad. 1,656,734; Jan. 17.
- Kanowitz, Lena, New York, N. Y. Protective covering device. 1,666,601; Apr. 17.
- Kansas City Gasoline Company. (See Wellman, Frank E., assignor.)
- Kant-Back Corporation. (See Gonard, John L., assignor.)
- Kantenwein, Oscar E. (See Burner, W. L., and Kantenwein.)
- Kanter, Marcus E., assignor to The Pressed Metal Products Company, Cleveland, Ohio. Scraping tool. 1,669,711; May 15.
- Kanter, William, Brooklyn, N. Y. Baby blanket. 1,688,624; Oct. 23.
- Kantor, James O. W. Fick, and W. J. Traxel, assignors to Liquid Carbonic Co., Chicago, Ill. Filling mechanism. 1,683,677; Sept. 11.
- Kantorowicz, Julius, Breslau, Germany, assignor to W. H. Fain, Greenwich, Conn. Treating starch. 1,677,348; July 17.
- Kapf, Karl F., et al. (See Auble, Lawrence, assignor.)
- Kapilian, Mendel, assignor to H. Bauer, New York, N. Y. Button-securing means. 1,673,460; June 12.
- Kapitzka, Pierre, Chesterton, England. Electric storage apparatus. 1,656,203; Jan. 17.
- Kaplan, Alexander C., Roxbury, Mass. Automobile wrecking clamp. 1,675,106; June 26.
- Kaplan, Frank. (See Stein, B. L., and Kaplan.)
- Kaplan, Hyman, New York, N. Y. Auxiliary window for closed types of motor vehicles. 1,675,107; June 26.
- Kaplan, Jacob H., Chicago, Ill. Prosthetic lamp. Des. 75,372; May 29.
- Kaplan, Louis, Astoria, N. Y. Reinforced hosiery and producing same. 1,694,324; Dec. 4.
- Kaplan, Louis J., assignor to The Ohio Metal Utensil Company, Greenwich, Ohio. Pot or similar article. Des. 74,375; Feb. 7.
- Kaplan, Max, Passaic, N. J. Motor-driven brush. 1,692,744; Nov. 20.
- Kaplan, Meyer, and H. Kraus, Chicago, Ill. Indicator lamp. Des. 75,431; June 5.
- Kaplan, Morris L., Hazelton, Pa. Shirt-making system. 1,666,291; Apr. 17.
- Kaplan, Abraham L., Brunswick, Md. Braking device for vehicles. 1,694,181; Dec. 4.
- Kapnek, William S., Philadelphia, Pa. Booth construction. 1,694,920; Dec. 11.
- Kapota, Hyman, New York, N. Y. Fruit peeler. 1,667,596; Apr. 24.
- Kappel, William J., assignor to M. and I. Sax, copartners doing business as Sax Bros., Milwaukee, Wis. Combination shoe flexor and stretcher. 1,678,394; July 24.
- Kappenberg, August, New York, N. Y. Smoker's stand. 1,663,601; Mar. 27.
- Kaproth, Paul R. (See Plante, Charles A., assignor.)
- Kaptuller, Alexander F., Chicago, Ill. Machine for expressing juice from fruit, chopping meat, etc. 1,693,757; Dec. 4.
- Kapuczin, Dave, Los Angeles, Calif. Pump attachment. 1,654,975; Jan. 3.
- Karabetz, Hans, Vienna, Austria, assignor to the firm C. P. Coerz, Optische Anstalt Aktiengesellschaft, Akciová Společnost K. P. Coerz optický ústav, Bratislava, Czechoslovakia. Apparatus for electrically transmitting signals indicating results of observation. 1,691,813; Nov. 13.
- Karapetoff, Vladimir, Ithaca, N. Y., assignor to General Electric Company. Electric metering system. 1,657,262; Jan. 24.
- Karasiewicz, Joseph, South Amboy, N. J. Double sun spectacle. 1,680,995; Aug. 14.
- Karbowiski, Victor. (See Feldheim, Felix S., assignor.)
- Kareevsk, John, Chicago, Ill. Electric hammer. 1,672,221; June 5.
- Karcher, John C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic material. 1,669,665; May 15.
- Karcher, John C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Increasing the permeability of silicon steel. 1,677,139; July 17.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 75,689; July 3.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 76,348; Sept. 18.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 76,484; Oct. 2.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 76,809; Nov. 6.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 76,810; Nov. 6.
- Karfiol, Edward, Brooklyn, N. Y. Dolly. Des. 76,872; Nov. 13.
- Karger, David, Milwaukee, Wis. Cap. Des. 76,941; Nov. 20.
- Karger, Milton M., Milwaukee, Wis. Hydroairplane. 1,662,644; Mar. 13.
- Karger, Sarah. (See Maas, George H., assignor.)
- Karish, Karl, Brooklyn, N. Y. Aircraft. 1,671,865; May 29.
- Karitzky, John. (See Pleister, H. W., and Karitzky.)
- Karitzky, John, assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Nail expansion. 1,668,594; May 8.
- Karitzky, John, assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Nail expansion. 1,694,266; Dec. 4.
- Karkau, Albert G. (See Williams, J. A., and Karkau.)
- Karl, Heinrich, Jersey City, N. J. Portable trip device. 1,668,153; May 1.
- Karl, Heinrich, Jersey City, N. J. Sanitary preserving food container such as cans or boxes of any shape. 1,691,394; Nov. 13.
- Karlson, Eugene S., Chicago, Ill. Wrench. 1,673,077; June 12.
- Karlson, Knut F. T., and H. V. Rau, Brooklyn, assignors to A. G. Spalding & Bros., New York, N. Y. Cleat for sport shoes. 1,658,050; Feb. 7.
- Karlsson, John B. R., Wisconsin Rapids, Wis. Coupler for trailers. 1,658,203; Feb. 7.
- Karmazin, John, Detroit, Mich. Positive stock-feed stop. 1,665,513; Apr. 10.
- Karmazin, John, Detroit, Mich. Radiator-forming machine. 1,669,761; May 15.
- Karmazin, John, Detroit, Mich. Condenser. 1,685,918; Oct. 2.
- Karn, Harry W., Pittsburgh, Pa. Artificial limb. 1,692,552; Nov. 20.
- Karn, Mack I., Pontiac, Mich. Fastener for safety calk web. 1,683,041; Sept. 4.
- Karnasch, Leopold M., San Francisco, and E. C. Hutchinson, Oakland, assignors to The Pelton Water Wheel Co., San Francisco, Calif. Needle-nozzle construction. 1,690,685; Nov. 6.
- Karnes, James C., Buffalo, N. Y. Cartridge. 1,654,734; Jan. 3.
- Karnes, James C., Buffalo, N. Y. Optical reading device. 1,688,637; Oct. 23.
- Karollus, Edmund, Vienna, Austria. Safety device for blasting or explosive cartridges. 1,683,900; Sept. 11.
- Karouzos, Paul. (See Scourtes, N., and Karouzos.)
- Karpe, Jacob, assignor to H. Germain, New York, N. Y. Dispenser for soaps, creams, or the like. 1,680,994; Aug. 14.
- Karpi, Charles O., New York, N. Y. Continuous process of ornamenting floor coverings. 1,688,239; Oct. 16.
- Karpi, Lester J., Dayton, Ohio. Apparatus for treating the feet. 1,687,368; Oct. 9.
- Karplus, Hans, Frankfurt-on-the-Main, and W. Bachmann, assignors to the firm E. de Haen A.-G., Seelze, near Hanover, Germany. Boiler composition and making same. 1,679,037; July 31.
- Karr, Charles D., Holland, Mich. Apparatus and process for fabricating spring assemblies. 1,656,204; Jan. 17.
- Karr, Francis, Holland, Mich. Pillow. 1,694,547; Dec. 11.
- Karr, William M., Gothenberg, Nebr. Door-releasing mechanism. 1,655,703; Jan. 10.
- Karras, Nicholas, Marinette, Wis. Front signal for automobiles. 1,659,879; Feb. 21.
- Karrer, Paul, Zurich, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Preparation of cotton fibers. 1,673,627; June 12.
- Karrer, Walter, Basel, Switzerland, assignor to The Hoffmann-La Roche Chemical Works, New York, N. Y. Quinine salts of hydroxyphenyl-arsonic acids and making same. 1,660,337; Feb. 28.
- Karst, Howard C., Philadelphia, Pa. Thumb tack. 1,678,473; July 24.
- Karsten, Hans, Berlin-Charlottenburg, and K. Kuppüller, Berlin-Friedenau, Germany, assignors to Siemens & Halske Aktiengesellschaft. Eliminating cross talk in phantomed transmission systems. 1,673,048; June 12.
- Karsz, Stephen, Detroit, Mich. Sash holder. 1,660,338; Feb. 28.
- Kartzmark, Otto, West Haven, Conn. Kitchen towel rack. 1,695,429; Dec. 18.
- Kasanof, Maurice M., New York, N. Y. Device for drying, steaming, and conditioning tubular fabrics. 1,696,682; Dec. 25.
- Kasantzef, Florentin, Berlin, Germany. Straight-air brake. 1,657,400; Jan. 24.
- Kasch, Henry J., Dayton, Ohio. Knob or similar article. Des. 74,267; Jan. 17.
- Kasch, Henry J., Dayton, assignor to Kurz-Kasch Company, South Broadway, near Dayton, Ohio. Securing knobs and dials to instrument shafts. Re17,091; Oct. 2.
- Kasch, Henry J., assignor to The Kurz Kasch Company, Dayton, Ohio. Rheostat. 1,671,954; May 29.

- Kasdan, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Vanity case. Des. 75,502; June 12.
- Kasdan, Nathan, Bronx, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Cosmetic-stick holder. 1,675,496; July 3.
- Kasdan, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Vanity case. 1,695,287; Dec. 18.
- Kaser, Everett D., assignor to Durabilt Steel Locker Co., Aurora, Ill. Locker. 1,661,370; Mar. 6.
- Kaser, Walter I., assignor of one-third to T. G. Macpherson and one-third to W. E. Farver, Baltic, Ohio. Transmission. 1,666,781; Apr. 17.
- Kashian, Minas H., Boston, Mass. Automobile body. Des. 76,811; Nov. 6.
- Kaskell, Charles R., et al. (See Moon, Edward W., assignor.)
- Kaskey, Harry H., Chicago, Ill. Skate scabbard. 1,686,667; Oct. 9.
- Kasley, Alexander T. (See Herr, H. T., and Kasley.)
- Kasley, Alexander T., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine power installation. 1,667,475; Apr. 24.
- Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Power generator. 1,670,072; May 15.
- Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric locomotive. 1,686,697; Oct. 9.
- Kasley, Alexander T., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,689,672; Oct. 30.
- Kaspar Getreideschälmaschine G. m. b. H. (See Kaspar, Leopold, assignor.)
- Kaspar, Leopold, Olmutz/Mahren, Czechoslovakia, assignor to Kaspar Getreideschälmaschine G. m. b. H., Offenbach-on-the-Main, Germany. Machine for husking, podding, brushing, or treating grain. 1,693,953; Dec. 4.
- Kasparl, Mathias J., assignor to International Harvester Company, Chicago, Ill. Combination baller. 1,659,030; Feb. 14.
- Kaspe, Joseph, Charbin, Russia. Safety device for elevators and the like. 1,676,443; July 10.
- Kasper, Walter F., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Condenser for water-cooled engines. 1,659,432; Feb. 14.
- Kass, Samuel M., Philadelphia, Pa. Globe placing and removing device for bulbs. 1,670,363; May 22.
- Kass, Samuel M., Philadelphia, Pa. Ice pick and guard. 1,679,666; Aug. 7.
- Kass, Samuel M., Philadelphia, Pa. Divided pipe clamp. 1,693,081; Nov. 27.
- Kassebeer, William, Lihue, Hawaii. Sugar-cane planter. 1,678,643; July 31.
- Kasser, Morris, San Francisco, Calif. Egg-cleaning machine. 1,657,126; Jan. 24.
- Kassler, Adolph, assignor to American Car and Foundry Company, New York, N. Y. Hopper car. 1,685,089; Sept. 25.
- Kassner, Ernst, New York, N. Y. Duplex adding machine and cash register. 1,676,559; July 10.
- Kassner, Ernst, Berlin, Germany. Transfer mechanism for duplex adding machines, cash registers, etc. 1,676,560; July 10.
- Kassner, Ernst, Berlin, Germany. Resetting mechanism. 1,679,905; Aug. 7.
- Kassner, Ernst, Berlin, Germany. Check issuing and adding machine. 1,692,411; Nov. 20.
- Kästel, Emil, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Hotbed. 1,689,552; Oct. 30.
- Kastelic, Anthony, Richmond, Calif. Lead storage battery. 1,678,224; July 24.
- Kastner, Edward C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Electrical cutter for circular-mandrel tubes. 1,691,763; Nov. 13.
- Kaszler, John, Chicago, Ill. Hand-operated cutting implement. 1,677,922; July 24.
- Katayama, Yoshitaro, San Bernardino, Calif. Liquid cleaning compound. 1,678,815; July 31.
- Katcher, Morris, assignor to Columbia Metal Box Co., New York, N. Y. Quick-make-and-break electric switch. 1,685,234; Sept. 25.
- Kates, Willard A., Philadelphia, Pa. Phase indicator and determining the phase relation of alternating currents. 1,695,850; Dec. 18.
- Kath, Willy, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Rate-of-flow indicator with electric integration for fluids and gases flowing through a Venturi tube. 1,668,457; May 1.
- Kathner, Arthur T., Toronto, Ohio. Annealing and heat-treating furnace. 1,669,902; May 15.
- Kathner, Arthur T., Hollidays Cove, W. Va. Conveyor for heat-treating furnaces. 1,669,903; May 15.
- Katims, Harry. (See Weiner, E., and Katims.)
- Katims, Harry, and E. Weiner, New York, N. Y. Textile fabric. Des. 76,021; Aug. 14.
- Kato, Kitaro, Tokyo-Fu, Japan. Projected window. 1,688,545; Oct. 23.
- Katolin, Rudolf F., Los Angeles, Calif. Grade indicator. 1,664,365; Mar. 27.
- Kattell, Majorie J. and S. M.; said M. J. Kattell assignor, by mesne assignments to G. H. Loper, Freeport, N. Y. Hair waver. 1,670,306; May 22.
- Kattell, Stanley M. (See Kattell, Majorie J. and S. M.)
- Katterjohn, August H., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Chuck-rotating mechanism. 1,689,392; Oct. 30.
- Katterjohn, August H., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Lubricator for rock drills. 1,693,203; Nov. 27.
- Kattermann, August, Paterson, N. J. Warp-beam-shifting means. 1,693,517; Nov. 27.
- Kattwinkel, Hans, Coswig, Germany. Resilient intermediate member for jointed couplings and the like. 1,676,333; July 10.
- Katz, Aaron S., New York, N. Y. Panel for a telephone cabinet. Des. 74,228; Jan. 10.
- Katz, Aaron S., New York, N. Y. Console table and cabinet. Des. 74,836; Apr. 3.
- Katz, Arthur A., and C. H. Cook, Chicago, Ill. Teeth-cleaning device. 1,656,823; Jan. 17.
- Katz, Gus M., New York, N. Y. Refreshment mixer. 1,661,336; Mar. 6.
- Katz, Harry M., New York, N. Y. Fender. 1,663,051; Mar. 20.
- Katz, Henry, & Co. (See Heyman, Nicholas, assignor.)
- Katz, Jack, New York, N. Y. Candlestick. Des. 74,376; Feb. 7.
- Katz & Ogush, Inc. (See Ogush, Benjamin, assignor.)
- Katz, Phil C., administrator. (See Davol, George K.)
- Katz, Samuel, New York, N. Y. Sanitary-napkin holder. 1,664,298; Mar. 27.
- Katzenmoyer, Harry E., Reading, Pa., assignor to Scott and Williams, Inc., New York, N. Y. Circular-knitting machine. 1,664,299; Mar. 27.
- Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Reinforced baking pan. 1,669,057; May 8.
- Katzinger, Edward, Company. (See Jackson, Joseph G., assignor.)
- Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
- Katzman, Jacob, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,658,768; Feb. 7.
- Kauch, Robert. (See McNeill, W. G., and Kauch.)
- Kauch, Robert. (See Paulus, C. L., and Kauch.)
- Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Fire extinguisher. 1,660,713; Feb. 28.
- Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Electric-sight for machine guns. 1,686,157; Oct. 2.
- Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Ground-impulse generator. 1,686,158; Oct. 2.
- Kauch, Robert, and C. L. Paulus, Dayton, Ohio. Ring speed indicator. 1,693,510; Nov. 27.
- Kaufer, John W., South Bend, Ind. Roofing shingle. 1,658,806; Feb. 14.
- Kauffman, Elias A., Chicago, Ill. Aeroplane. 1,655,704; Jan. 10.
- Kauffman, Harold L. (See Kauffman, H. L., and Clark, assignors.)
- Kauffman, Harold L., and I. A. Clark, Parco, Wyo., assignors, by mesne assignments, to H. L. Kauffman. Decolorizing, clarifying, and purifying petroleum oils. 1,684,035; Sept. 11.
- Kauffman, Jacob, New York, N. Y. Pocket sputum cup. 1,680,151; Aug. 7.
- Kauffman, Roger, Lansdowne, Pa. Clip for beading construction. 1,686,278; Oct. 2.
- Kauffman, Samuel, St. Louis, Mo. Air inlet. 1,659,880; Feb. 21.
- Kauffman, Walter, Columbus, Ohio. Oil burner. 1,682,677; Aug. 28.
- Kauffman, Wilbur K., assignor to Deca-Disc Phonograph Company, Waynesboro, Pa. Record holder for talking machines. 1,683,469; Sept. 4.
- Kauffmann, Ferdinand E., Rahway, N. J., assignor to Doran Brothers, Danbury, Conn. Hat-clipping machine. Re16,928; Apr. 10.
- Kauffman, Adam W., Milwaukee, Wis. Timer. 1,686,159; Oct. 2.
- Kauffman, Adolph G., New York, N. Y. Range jet burner. 1,671,931; May 29.
- Kauffman, Calvin E., Davidsville, Pa. Screen guard. 1,668,019; May 1.
- Kauffman, Emil. (See Greenberg, William, assignor.)
- Kauffman, Frank M., Philadelphia, Pa. Weaving mohair fabrics. 1,656,735; Jan. 17.
- Kauffman, Frank P., Grand Island, Nebr. Fender extension. 1,696,802; Dec. 25.
- Kauffman, Frederick B., Philadelphia, Pa. Bed. 1,687,338; Oct. 9.
- Kauffman, Frederick B., Philadelphia, Pa. Combination cabinet. 1,695,335; Dec. 18.
- Kauffman, Joseph, assignor to American Safety Razor Corporation, New York, N. Y. Receptacle for used razor blades. Des. 74,229; Jan. 10.
- Kauffman, Joseph S. (See Mackey, J. C., and Kauffman.)
- Kauffman & Oberleder, Inc. (See Baruch, George J., assignor.)
- Kauffman, Philip P., Appleton, Wis. Lath support and loom fastener. 1,659,295; Feb. 14.
- Kaufmann, Albert, Wildungen, Germany. Carriage-body wall, especially for motor cars. 1,658,526; Feb. 7.

- Kaufmann, Albert, Berlin, Germany. Die-casting machine. 1,662,750; Mar. 13.
- Kaufmann, Albert R., Birmingham, Ala. Golf practice game. 1,660,339; Feb. 28.
- Kaufmann, August H. (See Kaufmann, Herman H., and A. H.)
- Kaufmann, Christian F., Heinrichsort, near Lichtenstein-Callberg, assignor to David Richter A. G., Maschinenfabrik Tüllweber, Chemnitz, Germany. Flat-knitting machine. 1,687,866; Oct. 16.
- Kaufmann, Herman H., and A. H., Cascade, Wis. Cheese formula. 1,694,921; Dec. 11.
- Kaufmann, John, assignor to De Forest Phonofilm Corporation, New York, N. Y. Slotted and slitted light transmitter. 1,683,620; Sept. 11.
- Kaufmann, John, assignor to De Forest Phonofilm Corporation, New York, N. Y. Fine-slit construction. 1,683,621; Sept. 11.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,687,096; Oct. 9.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,687,097; Oct. 9.
- Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,693,236; Nov. 27.
- Kaufmann, Max., & Company. (See Edlich, Carl, assignor.)
- Kaufmann, Warner, Corona, N. Y., assignor to Fried, Mendelson & Company. Textile fabric. Des. 75,162; May 15.
- Kaufmann, Wilford E. (See Allen, E. R., and Kaufmann.)
- Kaul, George P., Detroit, Mich. Bathing cap. 1,666,098; Apr. 17.
- Kauling, Louis C. (See Hattemer, J., and Kauling.)
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Windrow hay loader. 1,664,688; Apr. 3.
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Planter. 1,671,244; May 29.
- Kaupke, Lee H., assignor to Rock Island Plow Company, Rock Island, Ill. Runner opener. 1,681,938; Aug. 28.
- Kauppinen, Onni, New York, N. Y. Game. 1,669,762; May 15.
- Kauth, Nicholas, Los Angeles, Calif., assignor to A. J. Bayer Company. Adjustable guide for sliding doors. 1,684,706; Sept. 18.
- Kauth, Valentine D. (See Blair, W. E., and Kauth.)
- Kautz, Jacob, Chicago, Ill. Attachment for saw-filing clamps. 1,681,483; Aug. 21.
- Kautz, Jacob, Chicago, Ill. Shore clamp. 1,696,848; Dec. 25.
- Kautz, Robert I., Beaverton, Oreg. Hinged support. 1,653,291; Feb. 7.
- Kautz, William, Willard, Ohio. Stand for fire escapes. 1,655,705; Jan. 10.
- Kautz, William, Willard, Ohio. Fire escape. 1,683,138; Sept. 4.
- Kautzky, Joe, jr., Fort Dodge, Iowa. Free-spool level-wind fish reel. 1,663,800; Mar. 27.
- Kautzky, Joe, jr., Fort Dodge, Iowa. Free-spool level-wind fish reel. 1,663,801; Mar. 27.
- Kautzky, Rudolph H., assignor to W. L. Kautzky, Des Moines, Iowa. Metallic packing ring. 1,681,770; Aug. 21.
- Kautzky, Walter L. (See Kautzky, Rudolph H., assignor.)
- Kaval, James B., Chicago, Ill. Combination case and package for cigarettes. 1,661,803; Mar. 6.
- Kaveney, Paul J., Bloomington, Ill. System for protecting highway crossings at the right of way of railways. 1,690,903; Nov. 6.
- Kayle, Oscar C. (See Cadwell, W. H., Ott, and Kayle.)
- Kayle, Oscar C. (See Moulton, L. W., and Kayle.)
- Kayle, Oscar C., Syracuse, assignor to E. Fredericks, Inc., New York, N. Y. Spring reel for conductors. 1,663,083; Mar. 20.
- Kawamura, Kojiro, Tokyo-Fu, assignor of one-half to Y. Yokoyama, Kanazawa, Japan. Differential flotation process for mixed sulphide ores. 1,688,277; Oct. 16.
- Kawner Company, The. (See Eaglesfield, Frederick R., assignor.)
- Kawner Company, The. (See Fraser, John A., assignor.)
- Kawner Company, The. (See Plym, Francis J., assignor.)
- Kawner Company, The. (See Toney, Edward, assignor.)
- Kay, Arthur G., Wellesley, assignor to Powderell & Alexander, Inc., Boston, Mass. Sewing-machine attachment. 1,683,078; Sept. 4.
- Kay, Fred, and W. E. Clifton, assignors to Cliftonphone Limited, London, England. Sound-recording and sound-reproducing instrument. 1,657,627; Jan. 31.
- Kay, Foist. (See Burns, Charles St. C., assignor.)
- Kay, John M., et al. (See Hanna, Frank J., assignor.)
- Kay, Lloyd D., Los Angeles, Calif. Dual-tired truck wheel. 1,675,934; July 3.
- Kay Manufacturing Co. (See Krakauer, Phillip, assignor.)
- Kay, Perry M., et al. (See Hanna, Frank J., assignor.)
- Kay, Vernon G., assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting fixture. 1,655,102; Jan. 3.
- Kay, William H., Lynn, Mass. Last-engaging dog for lathe. 1,684,960; Sept. 18.
- Kaye, Stewart, Edinburgh, Scotland. Machine for erecting walls of brick and the like. 1,686,279; Oct. 2.
- Kaye, Walter K., Leeds, England. Latch for the doors of motor road vehicles. 1,681,346; Aug. 21.
- Kayline Co., The. (See Maerz, Frederick K.)
- Kayline Company, The. (See Maerz, Frederick K., assignor.)
- Kaynee Company. (See Oathout, Charles E., assignor.)
- Kaynor, Warren F., Waterbury, Conn. Sliding caster. 1,659,489; Feb. 14.
- Kayser, Julius, & Co. (See Green, C. T. M., and Dost, assignors.)
- Kayte, Frank K., Farr, Colo. Electric bulb. 1,656,793; Jan. 17.
- Keall, Frank B. (See Barclay, W. R., and Keall.)
- Keaney, Allan J., Brooklyn, N. Y. Folding pencil compass. 1,674,726; June 26.
- Kearby, Earl J., St. Joseph, assignor of one-half to R. H. Foster, Kansas City, Mo. Selective-clutch constant-mesh gear transmission. 1,660,997; Feb. 28.
- Kearfort Engineering Company. (See Kraemer, Waldo L., assignor.)
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling-machine-arbor drive and support. 1,678,048; July 24.
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Fluid-control device. 1,678,049; July 24.
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Adjustable fluid-control device. 1,678,050; July 24.
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool knee structure. 1,685,920; Oct. 2.
- Kearney, Edward J., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine-tool organization. 1,693,446; Nov. 27.
- Kearney, George F., Andalusia, assignor to Bulletin Co., Philadelphia, Pa. Badge or similar article. Des. 76,399; Sept. 25.
- Kearney, James R., Kansas City, Mo. Pole butt. 1,676,266; July 10.
- Kearney, James R., Kansas City, Mo. Electric connection. 1,677,783; July 17.
- Kearney, Thomas F., Sharon, Pa. Tire gauge. 1,681,771; Aug. 21.
- Kearney & Trecker Corporation. (See Andrew, William K., assignor.)
- Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
- Kearney & Trecker Corporation. (See Gustafson, George E., assignor.)
- Kearney & Trecker Corporation. (See Kearney, Edward J., assignor.)
- Kearney & Trecker Corporation. (See Trecker, Theodore, assignor.)
- Kearsley, Richard A., Milford, assignor to Draper Corporation, Hopedale, Mass. Stop motion for twisters. 1,696,165; Dec. 18.
- Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Regulating system for thermionic devices. 1,683,194; Sept. 4.
- Kearsley, William K. jr., Schenectady, N. Y., assignor to General Electric Company. Vibrating regulator. 1,683,139; Sept. 4.
- Keas, Charles E., Los Angeles, Calif. Double-acting engine. 1,679,668; Aug. 7.
- Keas, Charles E., Los Angeles, Calif., assignor to Economy Products Corporation. Fastening wire for stucco. 1,674,335; June 19.
- Keas, Charles E., assignor to Economy Products Corporation, Los Angeles, Calif. Making corner beads and nail spacers. 1,679,248; July 31.
- Keasbey & Mattison Company. (See Mattison, Richard V., assignor.)
- Keatley, Clarence R. (See Hyle, J. A., and Keatley.)
- Keaton, Robert H., San Francisco, Calif. Tire. Des. 74,929; Apr. 17.
- Keator, Randall M., assignor to De Forest Radio Telephone & Telegraph Company, New York, N. Y. Radio alarm signal system. 1,680,217; Aug. 7.
- Keay, Herbert O., assignor to Laurentide Company, Limited, Grand Mere, Quebec, Canada. Cementing pulp stones. 1,655,371; Jan. 3.
- Keays, Robert J. (See Roberts, W. O., and Keays.)
- Keays, Robert J., and E. I. Coffey, San Francisco, Calif. Spring clamp. 1,668,912; May 8.
- Keck, Alwine, et al. (See Keck, Max, assignor.)
- Keck, Arthur, assignor to Package Service Corporation, Dayton, Ohio. Tape-dispensing machine or the like. 1,658,989; Feb. 14.
- Keck, Christian, administrator. (See Keck, Max.)
- Keck, George S., Pasadena, Calif. Ejecting holder. 1,667,118; Apr. 24.
- Keck, George S., Pasadena, Calif., assignor to The International Controlled Lamp Company, Wilmington, Del. Dirigible headlight for automobiles and the like. 1,692,172; Nov. 20.
- Keck, George S., Pasadena, Calif., assignor to The International Controlled Lamp Company, Wilmington, Del. Dirigible headlight. 1,692,173; Nov. 20.
- Keck, Martha, et al. (See Keck, Max, assignor.)

- Keck, Max, deceased; C. Keck, administrator, assignor of one-eighth each to A. Keck, Kenton County, Ky., J. J. Foley and A. B. Foley, Cincinnati, Ohio, and M. Keck, and one-fourth to J. J. Steeve, Kenton County, Ky. Vehicle suspension. 1,695,379; Dec. 18.
- Keck, Will G., Kecksburg, Pa. Bottle or similar article of manufacture. Des. 74,230; Jan. 10.
- Keddy, Clifford L., Lynn, Mass. Curbing. 1,657,012; Jan. 24.
- Kedov, Nicholas Y., New York, N. Y. Ornamental wooden lamp shade. 1,655,272; Jan. 3.
- Kee Lox Manufacturing Company. (See Pembroke, Winfield P., assignor.)
- Keeble, Walter E., and A. Gusselmann, Temple, Tex. Storm-sewer inlet. 1,654,886; Jan. 3.
- Keech, Dana E., Los Angeles, Calif. Toast inspector. 1,683,550; Sept. 4.
- Keech, Dana E., and A. R. Algier, assignors to W. B. Bastian, Los Angeles, Calif. Quick-throw valve. 1,674,250; June 19.
- Keedy, Edward J., Schenectady, N. Y. Toy magnetic crane. 1,635,707; Sept. 25.
- Keefe, William H., jr. (See Anderson, C. E., and Keefe.)
- Keefe, Howard N., West Milton, Pa. Safety attachment for motor-operated vehicles. 1,670,967; May 22.
- Keefer, Sylvester A., assignor of one-third to J. A. Johnson and one-third to C. N. Wisdom, Manchester, Ga. Accelerator. 1,661,371; Mar. 6.
- Keefer, Walter L., Chambersburg, Pa. Surface-cleaning machine. 1,661,480; Mar. 6.
- Keefer, Walter L., Chambersburg, Pa. Scrubbing and carpet-washing machine. 1,670,934; May 22.
- Keegan, John, New York, N. Y. Brake shoe. 1,656,638; Jan. 17.
- Keel, Glen I., Indianapolis, Ind. Sensitized screen and making same. 1,675,561; July 3.
- Keeler, Alonzo R., Altona, Ill. Traction machine. 1,657,360; Jan. 24.
- Keeler, Earl A. (See Smith, I. B., and Keeler.)
- Keeler, George T., New York, N. Y. Liquid holder. 1,693,146; Nov. 27.
- Keeler, Henry C., Ritsel, assignor to A. C. Clark, Seattle, Wash. Book strap. 1,663,708; Mar. 27.
- Keeling, William O., Gainesville, Pa. Carburetor. 1,654,735; Jan. 3.
- Keen, Alexis W. (See Johnston, W. S., and Keen.)
- Keen, Louis E., assignor to Wanner Malleable Castings Company, Hammond, Ind. Method and apparatus for forming castings. 1,670,725; May 22.
- Keen Waving Company. (See Unger, Ernest G., assignor.)
- Keena, James A., and J. L. Sharkey, Hutchinson, Kans. Device for testing automobile tire inner tubes. 1,692,378; Nov. 20.
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Radiant-heat superheater for boilers of the locomotive type. 1,662,460; Mar. 13.
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Superheater boiler. 1,671,114; May 29.
- Keenan, Walter F., jr., Pelham, assignor to Foster Wheeler Corporation, New York, N. Y. Superheater boiler. 1,677,894; July 24.
- Keenan, William H., Chicago, Ill. Uniform-foam-making machine. 1,679,667; Aug. 7.
- Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Connector. 1,657,507; Jan. 31.
- Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,658,990; Feb. 14.
- Keene, Alvin D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Lead-pot support. 1,657,508; Jan. 31.
- Keene, Alvin D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Tilting-hearth-tray furnace. 1,664,749; Apr. 3.
- Keene, Alvin D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,686,010; Oct. 2.
- Keene, Alvin D., West Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,686,009; Oct. 2.
- Keene, John W., Westport, Conn. Water skate. 1,695,191; Dec. 11.
- Keener, Ernest L., New Castle, Ind. Shoe-heel-cutter guard. 1,696,716; Dec. 25.
- Keener, Howard. (See Kanawyer, O., and Keener.)
- Keeney, Don E., assignor to A. C. Spark Plug Company, Flint, Mich. Lamp mounting for instrument panels. 1,692,449; Nov. 20.
- Keeney Manufacturing Company. (See Macristy, Walter, assignor.)
- Keeran, Charles R., Evanston, assignor to Keeran Products Company, Chicago, Ill. Mechanical pencil. 1,694,945; Dec. 11.
- Keeran Products Company. (See Keeran, Charles R., assignor.)
- Keese, Vessie M., Marshalltown, Iowa. Bookholder. 1,670,891; May 22.
- Keesling, Archie, Campbell, Calif. Latch. 1,681,187; Aug. 21.
- Keeton, Henry H., Richmond, Va. Water heater. 1,671,676; May 29.
- Keeton, Henry H., Richmond, Va. Electric water heater. 1,671,677; May 29.
- Keever, Matthew J., Northampton, Mass. Device for forming golf tees. 1,687,024; Oct. 9.
- Kegler, Anton W., Minneapolis, Minn. Sprayer. Re16,961; May 15.
- Kégresse, Adolphe, Paris, France. Tensioning mechanism for endless-track belts. 1,660,383; Feb. 28.
- Kégresse, Adolphe, Paris, France. Trac-tion-increasing device for endless flexible track belts. 1,695,657; Dec. 18.
- Kehtian, Kasper, Detroit, Mich. Cloth ripper. 1,660,340; Feb. 28.
- Keil, Robert J., Chicago, Ill., assignor, by mesne assignments, to The Libbey Glass Manufacturing Company, Toledo, Ohio. Method of and apparatus for cutting off waste ends of incandescent lamp bulbs. 1,674,367; June 19.
- Keil, Robert J., Chicago, Ill., assignor to Oxweld Acetylene Company. Blowpipe nozzle. 1,696,091; Dec. 18.
- Keil, Robert J., Chicago, Ill., assignor to Oxweld Acetylene Company. Multiple-flame blowpipe nozzle. 1,696,092; Dec. 18.
- Kehm, August, Chicago, Ill. Pipe fitting. 1,663,271; Mar. 20.
- Kehoe, Edward. (See Johansen, T., and Kehoe.)
- Kehoe, James J., jr., W. C. T. Morson, and E. M. De Sherbinin, Toronto, Ontario, Canada, assignors, by mesne assignments, to Paragon Dishwasher Syndicate, Incorporated. Splashproof cabinet for dishwashing and similar purposes. 1,667,119; Apr. 24.
- Kehoe, Michael, Tucson, Ariz. Parking-brake attachment for motor vehicles. 1,665,415; Apr. 10.
- Kehoe, William E., San Francisco, Calif. Base for display stands. Des. 74,997; Apr. 24.
- Kehrer, Bertram F., and E. H. Brett, Seattle, Wash. Window-frame construction. 1,665,702; Apr. 10.
- Keig, Marshall E., Chicago, Ill. Blotting device. 1,696,308; Dec. 25.
- Keigwin, Henry W., Mount Vernon, N. Y. Dead-locking latch. 1,683,240; Oct. 16.
- Keil, Alfred. (See Schroeder, C., and Keil.)
- Keil, Charles R., Tiffin, Ohio, assignor to United States Glass Company, Pittsburgh, Pa. Goblet or similar article. Des. 76,873; Nov. 13.
- Keil, Francis & Son, Inc. (See Staedeli, Felix, assignor.)
- Keil, Roy G. (See Wolf, D. L., and Keil.)
- Keilholtz, Lester S., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Electrical system. 1,658,360; Feb. 7.
- Keilholtz, Lester S., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Fuel-supply system. 1,677,395; July 24.
- Keilien, Saul, Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Controlling system for motor-driven clocks. 1,680,686; Aug. 14.
- Keilig, Ernest F., Ravenna, Nebr. Combined garden implement. 1,662,069; Mar. 13.
- Keim, Lester H. (See Burnham, L. F., Keim, and Schafer.)
- Keim, Lester H., Crafton, Pa., assignor to R. D. Nuttall Company. Power-transmitting mechanism. 1,671,475; May 29.
- Keim, William C. (See Weaver, G. E., and Keim.)
- Keinath, Georg. (See Ahnberg, F., Keinath, and Schrader.)
- Keine, William E., Stamford, Conn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,656,004; Jan. 10.
- Keiner, Henry A., Kew Gardens, N. Y. Protective device. 1,683,977; Sept. 11.
- Keiper, Edwin H., Swarthmore, Pa. Heater. Des. 74,676; Mar. 13.
- Keiper, Frank. (See Ischinger, Eric, assignor.)
- Keiser, Arthur J., assignor to The Bircher Co., Inc., Rochester, N. Y. Feeding or displacing belt. 1,667,120; Apr. 24.
- Keiser, Bernhard. (See De Groot, M., and Keiser.)
- Keiser, Charles R., Dayton, and T. R. Rike, West Alexandria, Ohio. Folding hand bag. 1,672,322; June 5.
- Keiser, Edward H., Clayton, assignor to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,998; Feb. 21.
- Keiser, Paul L., Douglassville, Pa. Highway guard. 1,680,548; Aug. 14.
- Keister, O. B., et al. (See Brown, William S., assignor.)
- Keith, Alfred T. (See Perkins, C., and Keith.)
- Keith, Charles W., assignor to D. K. Stephenson, Denver, Colo. Ensilage cutter. Re17,120; Oct. 30.
- Keith, George, assignor to James Keith & Blackman Company, London, England. Apparatus for delivering a mixture of gas and air. Re16,906; Mar. 20.
- Keith, George, assignor to James Keith & Blackman Company, Limited, London, England. Centrifugal apparatus for dust separation. 1,682,285; Aug. 28.
- Keith, Geo. E., Company. (See Wilkins, George H., assignor.)
- Keith, Henry M., West Frankfort, assignor to Vacuum Filling Stand Company, Benton, Ill. Liquid-dispensing apparatus. 1,673,247; June 12.
- Keith, Irving L. (See Sawyer, Albert F., assignor.)
- Keith, James, & Blackman Company. (See Keith, George, assignor.)
- Keith, James M. (See Emerson, D., and Keith.)
- Keith, Melvin W. (See Olson, Robert W., assignor.)

- Kekenes, Peter E., Washington, D. C. Bottle. Des. 76,022; Aug. 14.
- Kekko, Andrew A. (See Morczewski, John, assignor.)
- Kelch, George H., et al. (See Ashman, Robert A., assignor.)
- Kelch, James W., and J. J. Sunday, Detroit, Mich.; said Sunday assignor to said Kelch. Register. 1,666,569; Apr. 17.
- Kelch, Margaret M., et al. (See Ashman, Robert A., assignor.)
- Kelker, John J., Pocatello, Idaho. Compressing piston rings. 1,656,674; Jan. 17.
- Kell, George, Louisville, Ohio. Wheel puller. 1,665,552; Apr. 10.
- Kellar, Francis A., assignor to J. L. MacInerney, Grand Rapids, Mich. Spring-containing strip. 1,663,272; Mar. 20.
- Kellar, William S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rolling thin strips of metal. 1,655,373; Jan. 3.
- Kelle, Arthur C., Canton, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Multibreak electric switch. 1,696,276; Dec. 25.
- Kelleher, James. (See Fitz Gerald, F. A. J., and Kelleher.)
- Kelleher, James, Chippewa, Ontario, Canada, assignor to Harper Electric Furnace Corporation. Tunnel kiln. 1,631,939; Aug. 28.
- Kelleher, Patrick J., Salem, Mass. Battery composition. 1,685,674; Sept. 25.
- Kelleher, Thomas J., Chicago, Ill. Machine for closing the fold of a sheet of metal. 1,694,596; Dec. 11.
- Kelleher, Thomas J., Chicago, Ill. Electrical sheet-metal cutter. 1,694,597; Dec. 11.
- Kelleher, Thomas J., Chicago, Ill. Bending machine. 1,696,849; Dec. 25.
- Kellems, Edgar E., Syracuse, N. Y. Cable grip. 1,670,543; May 22.
- Kellems, Edgar E., Syracuse, N. Y. Self-loading trailer. 1,678,395; July 24.
- Kellenberger, Emil, Stein, Aargau, Switzerland. Automatic drive for speed regulators for self-acting inclined planes. 1,672,323; June 5.
- Keller, Albert T., assignor to Bethlehem Steel Company, Bethlehem, Pa. Open-hearth furnace. 1,682,378; Aug. 28.
- Keller, Charles L., Cincinnati, Ohio, assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Slate-surfacing machine and process. 1,669,166; May 8.
- Keller, Charles L., Glendale, assignor to The Richardson Company, Lockland, Ohio. Apparatus and process for cleaning paper stock. 1,676,652; July 10.
- Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Froth-flotation concentration of ores. 1,671,590; May 29.
- Keller, Eva, Pasadena, Calif. Voice placer. 1,692,174; Nov. 20.
- Keller, Ferdinand, Offenbach-on-the-Main-Burgel, and K. Schnitzpahn, Offenbach-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Solid diazosalts of ortho-amino-phenolarylethers. 1,677,558; July 17.
- Keller, Ferdinand, Offenbach-on-the-Main-Burgel, and K. Schnitzpahn, Offenbach-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Solid diazosalt. 1,677,640; July 17.
- Keller, George W., Portsmouth, Ohio. Low-water alarm. 1,677,830; July 17.
- Keller, Gottlieb, Brugg, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electrically-heated kiln. 1,687,025; Oct. 9.
- Keller, Gottlieb, Brugg, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Heat-treatment apparatus. 1,693,388; Nov. 27.
- Keller, Graydon M., assignor of one-third to W. R. Litzenberg, Los Angeles, Calif. Mixer for margarine and the like. 1,686,280; Oct. 2.
- Keller, Henry B., Philadelphia, Pa. Bow and arrow. 1,689,141; Oct. 23.
- Keller, Hermann, Hilton, assignor to Forstner Chain Corporation, Irvington, N. J. Forming flexible tubing. 1,661,835; Mar. 6.
- Keller, John R., Glenshaw, Pa. Ash tray. Des. 75,432; June 5.
- Keller, John R., Glenshaw, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,675,273; June 26.
- Keller, Joseph F., New York, assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Straight-line-reducing machine. 1,669,905; May 15.
- Keller, Joseph F., New York, and J. C. Shaw, assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Tire-mold-cutting machine. 1,669,904; May 15.
- Keller, Karl O., assignor to R. P. Dextord, Sunderland, England. Piston for internal-combustion engines. 1,684,629; Sept. 18.
- Keller, Lee L., Wellington, Colo. Agricultural implement. 1,678,910; July 31.
- Keller, Lucia R., St. Paul, Minn. Lingerie clasp. 1,681,983; Aug. 28.
- Keller, Mark G., Monterey, Calif. Ash receiver. 1,672,614; June 5.
- Keller Mechanical Engineering Corporation. (See Keller, Joseph F., assignor.)
- Keller Mechanical Engineering Corporation. (See Keller, J. F., and Shaw, assignors.)
- Keller Mechanical Engineering Corporation. (See Shaw, John C., assignor.)
- Keller Mechanical Engineering Corporation. (See Shaw, John C. and R. D., assignors.)
- Keller, Paul. (See Fowler, Frank E. and W. A., assignors.)
- Keller, Paul E. (See Daun, C. L., and Keller.)
- Keller, Paul E., assignor, by mesne assignments, to American Electric Motor Company, Milwaukee, Wis. Motor support. 1,683,622; Sept. 11.
- Keller Printing Company. (See Schlegelmilch, William M., assignor.)
- Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
- Kellett, William P., Brantford, Ontario, Canada. Freight-transportation means. 1,675,562; July 3.
- Kellett, William P., Brantford, Ontario, Canada. Tile. 1,682,379; Aug. 28.
- Kellett, William P., Brantford, Ontario, Canada. Freight-transporting equipment. 1,693,607; Dec. 4.
- Kelley, Blaine, Charlotte, N. C. Portable garment drier. 1,669,249; May 8.
- Kelley, Cecil S., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Making diaphragms. 1,674,781; June 26.
- Kelley, Charles W. (See Hastings, B. W., and Kelley.)
- Kelley Color Laboratory, Inc. (See Kelley, W. V. D., and Tronolone, assignors.)
- Kelley, Edward M., Wilmington, Del. Match-making machine. 1,658,527; Feb. 7.
- Kelley, Edward S., New York, N. Y. Page galley and type tie-up. 1,670,289; May 15.
- Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Joining metals. 1,655,273; Jan. 3.
- Kelley, George H., Lowell, Mass., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Heat-interchange apparatus. 1,673,409; June 12.
- Kelley, George L., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Soundproofing metallic structure. 1,664,114; Mar. 27.
- Kelley, George L., assignor to Budd Wheel Company, Philadelphia, Pa. Increasing the elasticity of metal articles. 1,667,476; Apr. 24.
- Kelley, George M., Philadelphia, Pa. Sewer-inlet device. 1,659,364; Feb. 14.
- Kelley, Horace W. (See Smallhouse, Albert A., assignor.)
- Kelley, James T. (See Denz, E. A., Kelley, and Titus.)
- Kelley, John M., Rochester, N. Y., assignor to Protane Corporation, Erie, Pa. Liquid-hydrocarbon burner. 1,657,831; Jan. 31.
- Kelley, John M., Rochester, N. Y., assignor, by mesne assignments, to The Protane Corporation (1926). Process and apparatus for burning liquid fuel. 1,690,119; Nov. 6.
- Kelley, J. Maurice. (See Plunkett, Michael R., assignor.)
- Kelley-Koett Manufacturing Company, The. (See Werner, Wilbur S., assignor.)
- Kelley, Lawrence E., Blue Ridge, Tex. Quilter. 1,675,609; July 3.
- Kelley, Marion S., South Bend, Wash. Dirigible headlight. 1,678,911; July 31.
- Kelley, Thomas, Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle for jacquard. 1,674,018; June 19.
- Kelley, Victor H., Madison, Wis. Dispensing device. 1,669,167; May 8.
- Kelley, Victor H., Madison, Wis. Dispensing machine. 1,674,251; June 19.
- Kelley, Victor H., Madison, Wis. Variety vending machine. 1,683,251; Sept. 4.
- Kelley, William V. D., Jersey City, N. J. Color photography. 1,674,175; June 19.
- Kelley, William V. D., Brooklyn, N. Y., assignor, by mesne assignments, to Prizma, Incorporated. Producing color pictures. 1,667,477; Apr. 24.
- Kelley, William V. D., Jersey City, and Dominick Tronolone, Fort Lee, assignors to Kelley Color Laboratory, Inc., Palisade, N. J. Color photography. 1,674,174; June 19.
- Kelliher, Charles E., New York, N. Y. Power-driven scissors for barbers. 1,687,212; Oct. 9.
- Kelliher, Frederick H., Cleveland, Ohio. Producing carbon-dioxide gas. 1,675,497; July 3.
- Kelliher, M. M. (See Sheffeland, Rudolph A., assignor.)
- Kelling, John, Milwaukee, Wis. Fur-scraping machine. 1,657,887; Jan. 31.
- Kellman, Carl W., Chicago, Ill. Clothes drier. 1,689,345; Oct. 30.
- Kellner, Edward, and W. M. Goldwyn, New York, N. Y. Removable dental bridgework. 1,693,845; Dec. 4.
- Kellner, Henry F., Silver Lake, Kans. Jetty. 1,662,578; Mar. 13.
- Kellner, Louis, Chicago, Ill. Safety plug and lamp socket. 1,675,353; July 3.
- Kellner, Louis, assignor to Chicago Fuse Mfg. Co., Chicago, Ill. Electrical attachment plug. 1,657,799; Jan. 31.
- Kellner, Louis, assignor to Chicago Fuse Mfg. Company, Chicago, Ill. Switch. 1,671,294; May 29.
- Kellogg, Carl A. (See Caplinger, John D., assignor.)

- Kellogg Corset Company. (See Kellogg, Douglas C., assignor.)
- Kellogg, Douglas C., assignor to Kellogg Corset Company, Jackson, Mich. Abdominal support. 1,665,502; Apr. 10.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Vacuum-tube circuits. 1,654,976; Jan. 3.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Vacuum-tube circuits. 1,654,977; Jan. 3.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Power-amplifying system. 1,665,883; Apr. 10.
- Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,687,570; Oct. 16.
- Kellogg, Frank P. (See Redfield, John H., assignor.)
- Kellogg, George W., Flint, assignor to General Motors Corporation, Detroit, Mich. Oil cleaner. 1,658,560; Feb. 7.
- Kellogg, Henry E., Mountain View, Calif. Pump bearing. 1,675,177; June 26.
- Kellogg, Herbert C., Detroit, Mich. Fluid-operated refrigerating device. 1,668,771; May 8.
- Kellogg, Herbert C., Detroit, Mich. Liquid-cooling apparatus. 1,675,103; June 26.
- Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Windshield hinge. 1,666,211; Apr. 17.
- Kellogg, M. W., Company. (See Kellogg, Morris W., assignor.)
- Kellogg Manufacturing Co. (See Hazard, George E., assignor.)
- Kellogg, Morris W., Brookville, N. Y., assignor to M. W. Kellogg Company. Apparatus for making flued openings in pipes and similar cylindrical bodies. 1,656,736; Jan. 17.
- Kellogg, Spencer, and Sons, Inc. (See Schwarzman, Alexander, assignor.)
- Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
- Kellogg Switchboard and Supply Company. (See Bohlman, E. A., and Shannon, assignors.)
- Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
- Kellogg Switchboard and Supply Company. (See Currier, H. D., and Shull, assignors.)
- Kellogg Switchboard and Supply Company. (See Edwards, Joseph B., assignor.)
- Kellogg Switchboard and Supply Company. (See Grout, Martin B., assignor.)
- Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)
- Kellogg Switchboard and Supply Company, The. (See Kalsling, William, assignor.)
- Kellogg Switchboard and Supply Company. (See Koch, Earl L., assignor.)
- Kellogg Switchboard & Supply Company. (See Meyers, John F., assignor.)
- Kellogg Switchboard and Supply Company. (See Nielsen, Emil J., assignor.)
- Kellogg Switchboard and Supply Company. (See Robison, Daniel B., assignor.)
- Kellogg Switchboard and Supply Company. (See Sparks, Charles, assignor.)
- Kellogg Switchboard & Supply Company. (See Spencer, Henry R., assignor.)
- Kellogg Switchboard and Supply Company. (See Stazak, Michael B., assignor.)
- Kellogg Switchboard and Supply Company. (See Yanchowski, George A., assignor.)
- Kelloway, Charles J., Wilmington, N. C. Combined lighting arrester and resistance unit. 1,683,783; Sept. 11.
- Kelloway, Charles J., Wilmington, N. C. assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,672,415; June 5.
- Kells, Albert C. (See Mullen, R. T. and Kells.)
- Kelly, Bert F., assignor to Parts Corporation, Indianapolis, Ind. Silvering and beveling small mirrors. 1,664,300; Mar. 27.
- Kelly Foundry & Machine Co. (See Kelly, R. B., assignor.)
- Kelly, George, Goodland, Kans., assignor to Robinson Lofton Latch Company, Cope, Colo. Lawn-mower sharpener. 1,668,913; May 8.
- Kelly, Harry G., Omaha, Nebr. Roofing strip. Des. 75,433; June 5.
- Kelly, Harry G., Omaha, Nebr. Roofing strip. 1,685,493; Sept. 25.
- Kelly, John A., Brooklyn, N. Y. Heel-attaching mechanism. 1,676,904; July 10.
- Kelly, John A., Brooklyn, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting and molding machine. 1,685,363; Sept. 25.
- Kelly, John B., Harlingen, Tex. Scale. 1,664,217; Mar. 27.
- Kelly Manufacturing Company, The. (See McKenney, Fred Y., assignor.)
- Kelly, Mervin J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,678,145; July 24.
- Kelly, Peirce C., Philadelphia, Pa., and H. A. Landis, Haddon Heights, N. J., assignors to American Engineering Company, Philadelphia, Pa. Ferry bridge. 1,676,993; July 10.
- Kelly, R. B., Goshen, Ind., assignor to Kelly Foundry & Machine Co. Grate. 1,660,843; Feb. 28.
- Kelly, Ralph V., Detroit, Mich. Piston ring. 1,675,109; June 26.
- Kelly, Richard S., Jersey City, N. J. Window sash. 1,695,768; Dec. 18.
- Kelly, Sherman L., assignor to The Standard Electric Stove Co., Toledo, Ohio. Electric oven. 1,656,709; Jan. 17.
- Kelly-Springfield Tire Company. (See Fritch, Elue O., assignor.)
- Kelly, Thomas D., London, England. Aircraft. 1,685,029; Sept. 18.
- Kelly, William D., Western Springs, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Temperature regulator for electric heaters. 1,684,281; Sept. 11.
- Kelly, William J. (See Schunck, C. D., and Kelly.)
- Kelly, William J., Denver, Colo. Violin. 1,669,250; May 8.
- Kelly, William J., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Gas-cell fabric. 1,691,764; Nov. 13.
- Kelly, William M., Westfield, N. J. Snap guide. 1,664,928; Apr. 3.
- Kelly, William M., Westfield, N. J. Sheet-feeding mechanism. 1,664,929; Apr. 3.
- Kelly, William M., Westfield, N. J. Drop guide. 1,665,305; Apr. 10.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Heater for sheet deliveries. 1,668,154; May 1.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Printing press. 1,670,579; May 22.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Sheet-feeding mechanism. 1,683,195; Sept. 4.
- Kelly, William M., assignor to American Type Founders Company, Jersey City, N. J. Pile-elevating mechanism. 1,689,729; Oct. 30.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Sheet-feeding device. 1,689,878; Oct. 30.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. J. Printing press. 1,691,656; Nov. 13.
- Kelly, William M., Westfield, assignor to American Type Founders Company, Jersey City, N. Y. Sheet feeder. 1,694,745; Dec. 11.
- Kelm, Gustav R., assignor to Walker M. Levett Company, New York, N. Y. Piston. 1,659,881; Feb. 21.
- Kelm, Otto, Malcom, Iowa. Weed and vine destroyer. 1,688,463; Oct. 23.
- Kelm, Richard W., Binghamton, N. Y. Sighting attachment for guns. 1,679,221; July 31.
- Kelp-Ol Laboratories, Incorporated. (See Miller, G. C., Kurka, and Chase, assignors.)
- Kelsey, Charles A., Schenectady, N. Y., assignor to General Electric Company. Centrifugal extractor. 1,689,490; Oct. 30.
- Kelsey-Hayes Wheel Corporation. (See Booth, William N., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Hoag, Chauncey A., assignor.)
- Kelsey-Hayes Wheel Corporation. (See Jacobi, E. R., and Le Jeune, assignors.)
- Kelsey Press Company, The. (See Glasnapp, Charles W., assignor.)
- Kelsey Wheel Company. (See Batie, Joseph E., assignor.)
- Kelso, Fay M. (See Sutton, W. A., and Kelso.)
- Kelso, Howard F., Houston, Tex. Waste and overflow equipment for bathtubs. 1,669,473; May 15.
- Kelso, Joseph, Bellevue, assignor to J. R. Frailey, Fort Madison, Iowa. Flowerpot-base former. 1,677,391; July 17.
- Kelso, Newton T., Fort Wayne, Ind., assignor to General Electric Company. Molded commutator. 1,669,134; May 8.
- Kelso, Ralph S., assignor to Free Sewing Machine Company, Rockford, Ill. Chain construction. 1,676,863; July 10.
- Kelso, William. (See Regan, W. J., and Kelso.)
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,667,071; Apr. 24.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling mechanism. 1,683,901; Sept. 11.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,690,638; Nov. 6.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,695,015; Dec. 11.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,696,040; Dec. 18.
- Keltonik, Stephen, Conemaugh, Pa. Combined inkstand and penrack. 1,668,914; May 8.
- Kelvin Engineering Co. (See Merlis, Ira, assignor.)
- Kelvinator Corporation. (See Barnhart, John W., assignor.)

- Kelvinator Corporation. (See Leonard, Charles H., assignor.)
- Kelvinator Corporation. (See Replogle, John R., assignor.)
- Kelvinator Corporation. (See Spreen, Charles C., assignor.)
- Kelvinator Corporation. (See Wasserfallen, Charles F., assignor.)
- Kelvinator Corporation. (See Whittier, Walter H., assignor.)
- Kemble, Thomas S., Lakewood, Ohio. Gas electric drive for vehicles. 1,659,690; Feb. 21.
- Kemble, Thomas S., Cleveland, Ohio, assignor, by mesne assignments, to Universal Gas Electric Company, Lawrence, Kans. Contactor. 1,690,414; Nov. 6.
- Kemet Laboratories Co. Inc., The. (See Bagley, Glen D., assignor.)
- Kemet Laboratories Co. Inc., The. (See Sarbey, Maurice D., assignor.)
- Kemikol Inc. (See Mellanoff, Isadore S., assignor.)
- Kemmerich, William E., Montclair, N. J. Apparatus suitable for the gradual production of gases. 1,668,371; May 1.
- Kemmler, Albert, Esslingen-on-the-Neckar, Germany. Manufacture of chamois tanned leather. 1,657,800; Jan. 31.
- Kemnal, James, Chislehurst, and J. Henry, Norbury, London, England, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Steam superheater. 1,660,926; Feb. 28.
- Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Insulating material and producing the same. 1,656,737; Jan. 17.
- Kemp, C. M., Manufacturing Co., The. (See Kemp, William W., assignor.)
- Kemp, Evina A. (See Simpson, Robert W., assignor.)
- Kemp, Evina A., New York, N. Y. Device for displaying flowers. 1,681,040; Aug. 14.
- Kemp, Irving L., Milton, assignor to O. Hussa, Watertown, Mass. Boiler cleaner. 1,663,273; Mar. 20.
- Kemp, Joseph, Baltimore, Md. Tube-drawing plug. 1,685,636; Sept. 25.
- Kemp, William C., Norwood, assignor to The Paper Service Company, Lockland, Ohio. Apron. 1,674,904; June 26.
- Kemp, William E., New York, N. Y. Combination exhaust and intake manifold. 1,663,634; Mar. 27.
- Kemp, William E., New York, N. Y. Intake manifold for internal-combustion engines. 1,676,955; July 10.
- Kemp, William W. (See Frank, Felix, assignor.)
- Kemp, William W., Baltimore, Md. Drying apparatus. 1,676,091; July 3.
- Kemp, William W., Baltimore, Md. Method of and apparatus for reducing materials by heat. 1,677,784; July 17.
- Kemp, William W., Baltimore, Md. Producing combustible gas. 1,677,785; July 17.
- Kemp, William W., Baltimore, Md. Treating bone black or char. 1,692,745; Nov. 20.
- Kemp, William W., assignor to The C. M. Kemp Manufacturing Co., Baltimore, Md. Drying apparatus. 1,676,092; July 3.
- Kemper, Albert H., and W. H. Durkin, Dayton, Ohio. Boiler grate and the like. 1,693,339; Nov. 27.
- Kemper, Ray T., Los Angeles, Calif., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Oil-tank insulation. 1,675,354; July 3.
- Kemper-Thomas Company, The. (See James, Will C., assignor.)
- Kemper, Thomas J., Bronx, N. Y. Waterproof footwear. 1,655,652; Jan. 10.
- Kempf, Henry, and A. Kiefer, Cincinnati, Ohio. Fishing-rod holder. 1,666,705; Apr. 17.
- Kempf, Herman H., New York, N. Y. Time switch. 1,694,472; Dec. 11.
- Kempf, Hubert, Barmen, Germany, assignor, by mesne assignments, to American Bemberg Corporation. Spinning apparatus. 1,676,334; July 10.
- Kempfen, August J., St. Paul, Minn. Controlled balloon and display release. 1,675,110; June 26.
- Kemps, John T. (See Varker, N. Kemps, and Bartlett.)
- Kempter, Fritz, Stuttgart, Germany. Production of viscose. 1,656,120; Jan. 10.
- Kempter, Fritz, Stuttgart, Germany. Kneading machine. 1,685,637; Sept. 25.
- Kemphorne, Arthur H. O., Redwood City, Calif. Window construction. 1,671,827; May 29.
- Kempton, Curtis W. (See Moody, V. H., and Kempton.)
- Kempton, Herbert E., Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Gauge. 1,655,905; Jan. 10.
- Kempton, Herbert E., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Tool-dressing mechanism. 1,657,832; Jan. 31.
- Kempton, Herbert E., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Feed mechanism for machine tools. 1,673,078; June 12.
- Kempton, Herbert E., and K. F. Gallimore, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Method of and apparatus for loading machine tools. 1,687,981; Oct. 16.
- Kempton, Herbert E., Chicago, Ill., and K. F. Gallimore and R. M. Woytych, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Chuck. 1,691,657; Nov. 13.
- Kempton, Herbert E., Chicago, Ill., and K. F. Gallimore and R. M. Woytych, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Workholder. 1,692,379; Nov. 20.
- Kempton, Herbert E., K. F. Gallimore, and R. M. Woytych, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Chuck. 1,655,906; Jan. 10.
- Kempton, Herbert E., K. F. Gallimore, and R. M. Woytych, Fond du Lac, Wis., assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Chuck. 1,685,235; Sept. 25.
- Kempton, Leslie A., Bridgeport, Conn., assignor to General Electric Company. Rotary snap switch. 1,670,073; May 15.
- Kempton, Leslie A., Bridgeport, Conn., assignor to General Electric Company. Electric heating system. 1,683,196; Sept. 4.
- Kenan, John J. W., Crafton, Pa. Finishing device. 1,682,678; Aug. 28.
- Kendall, Adie L., Chula Vista, Calif. Can-delivery device for self-service stores. 1,658,724; Feb. 7.
- Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and system of carrier-wave telegraphy. 1,689,346; Oct. 30.
- Kendall, Burton W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency signaling. 1,694,473; Dec. 11.
- Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Repeater. 1,696,241; Dec. 25.
- Kendall, Cloyd L., Peru, Ind. Fish bait. 1,657,164; Jan. 24.
- Kendall, Ira H., assignor to The Kendall Patents, Inc., Potsdam, N. Y. Can-washing machine. 1,665,927; Apr. 10.
- Kendall, Ira H., assignor to The Kendall Patents, Inc., Potsdam, N. Y. Can-washing device. 1,678,252; July 24.
- Kendall Patents, Inc., The. (See Kendall, Ira H., assignor.)
- Kendall, William G. (See MacDougall, H., and Kendall.)
- Kendall, William G., Newark, N. J. Vanity case. 1,662,065; Mar. 13.
- Kendall, William G., Newark, N. J. Compact holder and ejector. 1,664,801; Mar. 27.
- Kendall, William G., Newark, N. J. Powder press. 1,666,212; Apr. 17.
- Kendall, William G., Newark, N. J. Vanity case. 1,683,551; Sept. 4.
- Kendall, William G., Newark, N. J. Compact-plate-holding ring. 1,683,552; Sept. 4.
- Kendall, William G., Newark, N. J. Vanity case. 1,686,973; Oct. 9.
- Kendall, William G., Newark, N. J. Hinge and compact holder for vanity cases. 1,690,017; Oct. 30.
- Kendall, William G., Newark, N. J. Cosmetic-pad holder. 1,694,325; Dec. 4.
- Kendig, Julian H., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,678,862; July 31.
- Kendrick, Samuel W., and J. E. Martin, Great Falls, Mont. Shaving brush. 1,678,146; July 24.
- Kendrick, Samuel W., and J. E. Martin, Great Falls, Mont., assignors to Kenmar Brush Company. Shaving brush. 1,674,972; June 26.
- Kener, Edward, Jr., Buffalo, N. Y. Valve. 1,662,191; Mar. 13.
- Kenerson, Joseph E., Saugus, assignor to Trimont Manufacturing Company, Roxbury, Mass. Pipe cutter and cutting wheel therefore. 1,681,807; Aug. 21.
- Kenilworth Manufacturing Co. Inc. (See Kosofsky, Morris, assignor.)
- Kenkel, John E., Great Falls, Mont. Advertising device for dispensing machines. 1,688,278; Oct. 16.
- Kenkyujo, Zaidan H. R. (See Iymori, S., and Suzuki, assignors.)
- Kenkyujo, Zaidan H. R. (See Okochi, M., and Ebihara, assignors.)
- Kenmar Brush Company. (See Kendrick, S. W., and Martin, assignors.)
- Kennard, Roy W., Harper, Wash. Milk-bottle carrier. 1,684,995; Sept. 18.
- Kennedy, Albert H., Rockport, Ind. Sanitary water-closet. 1,679,669; Aug. 7.
- Kennedy, Aubrey M., New York, N. Y. Sound-neutralizing ventilator. 1,665,211; Apr. 10.
- Kennedy, Aubrey M., New York, N. Y. Sound transmitting and receiving apparatus. 1,687,940; Oct. 16.
- Kennedy, Aubrey M., Los Angeles, Calif. Aeroplane. 1,681,642; Aug. 21.
- Kennedy, Benjamin H. (See Kennedy, Dewey M. and B. H.)
- Kennedy, Benjamin H., and D. M. Rochester, N. Y. Bathing appliance. 1,693,390; Nov. 27.
- Kennedy, Benjamin H. and D. M. Rochester, N. Y. Infant's bathing apparatus. 1,693,391; Nov. 27.
- Kennedy, Chester C. (See Strosacker, C. J., and Kennedy.)
- Kennedy, Cornelius R. (See Beaulieu, Lester F., assignor.)

- Kennedy Corporation. (See Tillery, L. B., and Lynch, assignors.)
- Kennedy, Daniel J., Yonkers, N. Y. Pneumatic guard. 1,691,658; Nov. 13.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Germany. Typographical machine. 1,665,268; Apr. 10.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 1,674,727; June 26.
- Kennedy, Dewey M. (See Kennedy, Benjamin H. and D. M.)
- Kennedy, Dewey M. and B. H., Rochester, N. Y. Infant's bathtub. 1,693,389; Nov. 27.
- Kennedy, Dewey M. and B. H., assignors to Kennedy-McCandless Corporation, Rochester, N. Y. Crib. 1,689,782; Oct. 30.
- Kennedy, Edward, New York, N. Y. Pipe joint. 1,694,822; Dec. 11.
- Kennedy, Elmer M., assignor to Briggs Manufacturing Company, Detroit, Mich. Window guide. 1,666,175; Apr. 17.
- Kennedy, Ernest N., London, England. Collapsible trunk, suitcase, and the like. 1,687,213; Oct. 9.
- Kennedy, Howard L., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Cantilever kit. 1,684,036; Sept. 11.
- Kennedy, Hugh M., assignor to The Robert Mitchell Company Limited, Montreal, Quebec, Canada. Revolving door. 1,655,550; Jan. 10.
- Kennedy, James B., New Castle, Pa. Brake-testing device. 1,659,737; Feb. 21.
- Kennedy, James S., Yonkers, N. Y., assignor to The Bartlett Hayward Company. Valve-operating mechanism. 1,663,557; Mar. 27.
- Kennedy, James S., Pelham Manor, N. Y., assignor to The Bartlett Hayward Company. Automatic controller for gas-making apparatus. 1,668,319; May 1.
- Kennedy, James W., Canton, Ohio. Crossing signal. 1,665,592; Apr. 10.
- Kennedy, Jesse T., San Diego, Calif. Vehicle wheel. 1,669,089; May 8.
- Kennedy, John A., Little Silver Borough, N. J. Carton for pots of plants, flowers, and the like. 1,669,617; May 15.
- Kennedy, John E., and M. A., Los Angeles, Calif. Tire-protecting signal. 1,686,089; Oct. 2.
- Kennedy, John E. and M. A., Los Angeles, Calif. Tire-pressure gauge. 1,691,441; Nov. 13.
- Kennedy, Julian, Pittsburgh, Pa. Regenerative reversing furnace. 1,657,401; Jan. 24.
- Kennedy, Luke F., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. 1,680,739; Aug. 14.
- Kennedy Manufacturing Company. (See Kennedy, Howard L., assignor.)
- Kennedy, Marzo A., assignor to E. A. Russell, Chicago, Ill. Loud-speaker unit. 1,688,625; Oct. 23.
- Kennedy-McCandless Corporation. (See Kennedy, Dewey M. and B. H., assignors.)
- Kennedy, Michael A. (See Kennedy, John E. and M. A.)
- Kennedy, Ralph A., et al. (See Jones, James M., assignor.)
- Kennedy, Ralph M., Philadelphia, Pa. Power saw. 1,669,941; May 15.
- Kennedy, Richard C., et al. (See Jones, James M., assignor.)
- Kennedy, Robert E., The Brunswick-Balke-Collender Company, Chicago, Ill. Division guard for bowling alleys. 1,690,539; Nov. 6.
- Kennedy, Rosamond L., Hyde Park, London, England. Bust bodice. 1,681,119; Aug. 14.
- Kennedy, Samuel, jr., Clear Lake, Iowa. Cultivator. 1,689,248; Oct. 30.
- Kennedy, Walter, Cliffside, N. J. Gas heater. 1,681,484; Aug. 21.
- Kennedy, Walter, Cliffside, N. J. Gas heater. 1,681,485; Aug. 21.
- Kennedy, Walter, Cliffside, N. J. Gas heater. 1,681,734; Aug. 21.
- Kennedy, William G. (See Smith, G. W., and Carroll, assignor.)
- Kennedy, William, & Sons, Limited, The. (See Keon, James J., assignor.)
- Kennell, Henry, New York, N. Y. Telltale positive and automatic gas-cut-off valve. 1,691,442; Nov. 13.
- Kennett, Richard, assignor of one-third to S. Randall, St. Louis, Mo. Shoe. 1,664,563; Apr. 3.
- Kenneweg, Christian H., Millvale, Pa. Fuel-injection valve. 1,660,754; Feb. 28.
- Kenney, George F., Sterling, assignor of one-half to C. B. Drevitson, Somerville, Mass. Piston ring. 1,667,808; May 1.
- Kenney, John J., Pittsburgh, Pa. Thermostatically-actuated valve. 1,674,473; June 19.
- Kenney Manufacturing Company. (See Kenney, William C., assignor.)
- Kenney, Myron E., Everett, assignor of one-sixth to W. H. Carstens, Seattle, Wash. Sugar-serving device. 1,668,848; May 8.
- Kenney, Myron E., assignor of one-twelfth to W. H. Carstens, Seattle, Wash. Sugar-serving device. 1,669,712; May 15.
- Kenney, Patrick H., Cumberland, Md. Piston-removing device. 1,677,786; July 17.
- Kenney, William C., assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain-rod bracket. 1,675,111; June 26.
- Kenney, William J., Chicago, Ill., assignor to Zeolite Engineering Co. Water-softening apparatus. 1,685,816; Oct. 2.
- Kenney, William J., Chicago, Ill., assignor to Zeolite Engineering Co. Water softener. 1,685,817; Oct. 2.
- Kenney, William J., Chicago, Ill. Combined filter and upflow water softener. 1,685,818; Oct. 2.
- Kennington, William O., London, England. Brake mechanism operated by suction. 1,665,306; Apr. 10.
- Kennington, William O., London, England. Vacuum brake. 1,680,549; Aug. 14.
- Kennington, William O., London, England, assignor to General Motors Corporation, Detroit, Mich. Brake. 1,658,561; Feb. 7.
- Kennington, William O., London, England, assignor to A C Spark Plug Company, Flint, Mich. Electrical coupling. 1,686,011; Oct. 2.
- Kennington, William O., London, England, assignor to General Motors Corporation, Detroit, Mich. Wind-shield heater. 1,686,012; Oct. 2.
- Kenova Box Company, The. (See Wood, Stanley O., assignor.)
- Ken-Rad Corporation, The. (See Jordan, James D., assignor.)
- Kenrick, Charles H., Onaway, assignor to Lobdell-Emery Manufacturing Company, Alma, Mich. Steering wheel. 1,661,481; Mar. 6.
- Kens, Henry F., Palling, British Columbia, Canada. Rail chair. 1,658,051; Feb. 7.
- Kent, Arthur A. (See Appleby, Thomas, assignor.)
- Kent, Arthur A., Ardmore, Pa. Cabinet for radio receiving apparatus. Des. 76,812; Nov. 6.
- Kent, Arthur A., Ardmore, Pa. Radio apparatus. 1,655,372; Jan. 3.
- Kent, Arthur A., Ardmore, Pa. Radio receiving apparatus. 1,658,562; Feb. 7.
- Kent, Arthur A., Ardmore, Pa. Adjustable resistance. 1,668,117; May 1.
- Kent, Arthur A., Ardmore, Pa. Radio receiving apparatus. 1,668,155; May 1.
- Kent, Arthur A., Ardmore, Pa. Condenser. 1,668,320; May 1.
- Kent, Arthur A., Ardmore, Pa. Loud speaker. 1,673,461; June 12.
- Kent, Arthur A., Ardmore, Pa. Detector apparatus. 1,679,310; July 31.
- Kent Company, The. (See Yutzler, Fred W., assignor.)
- Kent, Cynthia F. (See Fraser, G. L., and Kent.)
- Kent, Frank J. (See Petrelli, Joseph V., assignor.)
- Kent, Frank J. (See Skinner, Walter J., assignor.)
- Kent Owens Machine Company. (See Frederick, Edmund, assignor.)
- Kent, Robert J. (See Bender, H. D., and Kent.)
- Kent, Samuel L., jr., Lansdowne, Pa. Junction box. 1,675,219; June 26.
- Kent, William J., Brooklyn, N. Y., assignor to The Mechanical Rubber Company, Chicago, Ill. Testing machine. 1,667,420; Apr. 24.
- Kenton, Gussie V., Overland, Mo. Nut lock. 1,679,474; Aug. 7.
- Kenworthy, Byron R., et al. (See Kenworthy, Robert R., assignor.)
- Kenworthy, Byron R. and R. R., assignors of one-fourth to J. F. Daly and one-fourth to W. Donahue, Philadelphia, Pa. Locking device. 1,657,402; Jan. 24.
- Kenworthy, Robert R. (See Kenworthy, Byron R. and R. R.)
- Kenworthy, Robert R., assignor of one-fourth to J. F. Daly, one-fourth to W. Donahue, and one-fourth to B. R. Kenworthy, Philadelphia, Pa. Locking device. 1,668,321; May 1.
- Kenyon, Clarence, jr., New York, N. Y. Overshoe. 1,664,115; Mar. 27.
- Kenyon, Frederick D., Minneapolis, assignor of one-half to H. R. Root, Hennepin County, Minn. Furnace attachment. 1,687,214; Oct. 9.
- Kenyon, Lewis C. (See Guild, W. J., and Kenyon.)
- Kenyon, Roland D., Carthage, N. Y. Potato-baking device. 1,683,554; Sept. 4.
- Kenyon, William C., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Manufacturing covered-joint hinges. 1,695,288; Dec. 18.
- Keogan, Richard C., South Bend, Ind. Traffic signal. 1,686,329; Oct. 2.
- Keohan, William F., trustee. (See French, R. W., and Holmes, assignors.)
- Keon, James J., assignor to The William Kennedy & Sons, Limited, Owen Sound, Ontario, Canada. Emergency closure for hydraulic intakes. 1,692,127; Nov. 20.
- Keough, Robert E., Montreal West, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Track gauge. 1,696,885; Dec. 25.
- Keough, Robert E., Montreal, Quebec, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail anchor. 1,694,878; Dec. 11.
- Keough, W. E., Company. (See Eklund, Karl, assignor.)
- Kepler, Claude H., Oakland, Calif. Wire-threading leader and coupler. 1,672,324; June 5.
- Keplinger, George B., Chicago, Ill. Siren squawker. 1,682,341; Aug. 28.
- Keppens, Albert, Berwyn, Ill. Folding tree holder. 1,680,050; Aug. 7.

- Keppler, Albert E., Philadelphia, Pa., assignor to Brown & Bailey Company. Display box. 1,681,347; Aug. 21.
- Keranen, Alfred A., Detroit, Mich. Buzzer. 1,668,410; May 1.
- Kerber, Frank J., Chicago, Ill. Bumperette. 1,692,941; Nov. 27.
- Kercher, Arthur J. (See Hicks, W. W., and Kercher.)
- Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electric heater. 1,664,177; Mar. 27.
- Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electric heater. 1,671,591; May 29.
- Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electrical water heater. 1,671,592; May 29.
- Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Temperature-control system. 1,671,593; May 29.
- Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electric heater. 1,680,620; Aug. 14.
- Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electric water heater. 1,680,622; Aug. 14.
- Kercher, Arthur J., Berkeley, assignor of one-half to W. W. Hicks, San Francisco, Calif. Electric heating unit. 1,680,621; Aug. 14.
- Kerestes, George A., Sellersville, assignor, by mesne assignments, to B. G. Case, Pittsburgh, Pa. Motion-picture and target apparatus. Re16,890; Feb. 28.
- Kerfoot, Branch P., New York, N. Y. Adjustable wrench. 1,690,018; Oct. 30.
- Kern, Erwin, Wettingen, Switzerland. Rectifier system. 1,688,189; Oct. 16.
- Kern, Fred T., Milwaukee, Wis. System for storing and handling material. 1,685,675; Sept. 25.
- Kern, George P. (See Kuhlmann, Henry F. and E., assignors.)
- Kern, Jean, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Basic dye. 1,660,167; Feb. 27.
- Kern, Jean G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Modified basic dyes and making same. 1,659,145; Feb. 14.
- Kern, Leo, Villingen in Baden, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen-on-the-Neckar, Germany. Fare indicator. 1,685,589; Sept. 25.
- Kern, Ludwig, Baltimore, Md. Manufacturing chamotte materials. 1,664,689; Apr. 3.
- Kern, Ludwig, Baltimore, Md. Manufacturing ceramic products. 1,666,936; Apr. 24.
- Kern, Mason H., Toledo, Ohio. Automobile lamp. 1,690,019; Oct. 30.
- Kernes, James, assignor to Kernes Manufacturing Co., Chicago, Ill. Portable electric lamp. 1,665,703; Apr. 10.
- Kernes, James, assignor to Kernes Manufacturing Co., Chicago, Ill. Rod for curtains, draperies, and the like. 1,665,704; Apr. 10.
- Kernes Manufacturing Co. (See Kernes, James, assignor.)
- Kernet Laboratories Co. Inc. (See Sarbey, Maurice D., assignor.)
- Kerngood, Allen H., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Slide buckle. 1,696,166; Dec. 18.
- Kernochan, William, East Orange, N. J. Carpet and rug fastener. 1,667,937; May 1.
- Kerns, Adin U., Altoona, Pa. Hopper car. 1,662,926; Mar. 20.
- Kerr, Alva L., Mansfield, Ohio. Latching mechanism. 1,683,553; Sept. 4.
- Kerr, Barron J. J., Wimbome, Alberta, Canada. Wagon seat. 1,691,157; Nov. 13.
- Kerr, Charles H., assignor to American Optical Company, Southbridge, Mass. Fused-quartz transilluminator. 1,662,150; Mar. 13.
- Kerr, Delbert C., Avalon, Mo., and L. S. Jones, Leavenworth, Kans. Ledger and statement sheet. 1,668,812; May 8.
- Kerr, Frederick B., et al. (See Banta, George F., assignor.)
- Kerr, Harry E., assignor to The Cleveland Gas Burner and Appliance Company, Cleveland, Ohio. Gas burner. 1,677,787; July 17.
- Kerr, Harry E., assignor to The Cleveland Gas Burner & Appliance Company, Cleveland, Ohio. Gas burner. 1,691,607; Nov. 13.
- Kerr, Howard J. (See Lewis, N. E., and Kerr.)
- Kerr, John M. (See Wagner, C. G., and Kerr.)
- Kerr, Mark B., Rosebank, Staten Island, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,680,550; Aug. 14.
- Kerrick, William O. (See Rickey, Loren W., assignor.)
- Kershaw, Francis A., Kent, Ohio. Internal gauge. 1,667,809; May 1.
- Kershaw, Frederick, assignor to Procter & Schwartz, Incorporated, Philadelphia, Pa. Conditioning and cooling yarn. 1,670,262; May 15.
- Kershaw, Grindrod, Rockdale, England. Creel for use with warping and beaming machines and the like or for use with looms for weaving or other machines. 1,670,726; May 22.
- Kershner, John H., Norton, Kans. Grinder cutter. 1,666,014; Apr. 10.
- Kersten, Carl C. E., Columbus, Ga. Scum trap. 1,695,851; Dec. 18.
- Kersten, Jacob, Allegan, Mich. sound-amplifying construction. 1,666,570; Apr. 17.
- Kersten, Jacob, Allegan, Mich. Sound amplifier. 1,692,841; Nov. 27.
- Kersten, Jacob, Kalamazo, Mich. Sound-amplifying horn. 1,666,571; Apr. 17.
- Kersten, Julius, Bensheim, Germany. Furnace for the decomposition of alkali-metal chlorides. 1,692,175; Nov. 20.
- Kersten, Otto, Highland Park, assignor to Ford Motor Company, Detroit, Mich. Signaling device. 1,667,206; Apr. 24.
- Kersting, Bernard H., Ben Avon, assignor to Dravo Contracting Company, Pittsburgh, Pa. Drive for paddle-wheel boats. 1,686,013; Oct. 2.
- Kertes, John, Pittsburgh, Pa. Removable fireplace. 1,683,079; Sept. 4.
- Kertész, Ferenc, Budapest, Hungary. Bearing especially for railway vehicles. 1,689,783; Oct. 30.
- Kerwin, William J., jr., South Dartmouth, Mass. Manufacturing colored yarns. 1,660,129; Feb. 21.
- Kerwin, William J., jr., South Dartmouth, Mass. Dofing arrangement. 1,670,580; May 22.
- Kery, Martin, St. Catharines, Ontario, Canada. Vegetable cutter. 1,691,433; Nov. 13.
- Kessel, William P., New York, N. Y., assignor to Cummings Corporation, Philadelphia, Pa. Display stand. Des. 76,813; Nov. 6.
- Kessler, Carl C., Pittsburgh, Pa., assignor to Pine Institute of America, Incorporated, Jacksonville, Fla. Making rosin soap. 1,663,764; Mar. 27.
- Kesler, Lawrence M., Independence, Kans. Bendix housing. 1,686,861; Oct. 9.
- Kesling, Elmer G., Bloomfield, N. J. Gear-shifting mechanism. 1,690,689; Nov. 6.
- Kessel, Heinrich, Haan, Germany. Cutlery grinding and polishing machine. 1,662,679; Mar. 13.
- Kesselring, Fritz, Furth, Germany. Continuous-current variable-speed machine. 1,670,581; May 22.
- Kesses, Charles, New York, N. Y. Signal clock. 1,689,833; Oct. 30.
- Kessler, Armin G., assignor to Farrell Foundry and Machine Co., Buffalo, N. Y. Fluid-circulating plate. 1,664,628; Apr. 3.
- Kessler, Frederick M., assignor of one-half to J. C. Beck, Joplin, Mo. Display-card holder. 1,681,586; Aug. 21.
- Kessler, Harry C., jr., Warrington, Pa. Machine for printing designs on floor covering. 1,668,322; May 1.
- Kessler, John H., Nyack, N. Y. Parachute. 1,693,518; Nov. 27.
- Kessler, Louis, Chicago, Ill., assignor to R. W. Hill, trustee. Tank-filling tube. 1,663,947; Mar. 27.
- Kessler, William F., Auburn, Ind. Lid and cover holder for cigar boxes and the like. 1,655,959; Jan. 10.
- Kestell, Philip, San Francisco, assignor to Thomas Day Company, Los Angeles, Calif. Lighting fixture. 1,668,772; May 8.
- Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
- Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Fastening device for straps, bands, and bracelets. 1,673,117; June 12.
- Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Expandable band or bracelet. 1,693,278; Nov. 27.
- Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Connector for wrist-watch strap, band, or bracelet. 1,696,577; Dec. 25.
- Ketcham, Grace. (See Nonck, Theodore J., assignor.)
- Ketcham, Milton B., Ridgewood, N. J. Composite leather heel. 1,667,386; Apr. 24.
- Ketchpel, Paul A. (See Lower, N. M., and Ketchpel.)
- Ketchum, John R. (See Vroman, John C., assignor.)
- Ketelsen, Peter, Denver, Colo. Harvesting machine. 1,692,899; Nov. 27.
- Ketteman, Charles W. (See Ohmer, J. F., and Ketteman.)
- Ketteman, Charles W., assignor to Ohmer Fare Register Company, Dayton, Ohio. Registering mechanism. 1,667,121; Apr. 24.
- Kettering, Charles F., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Cooling device for valves and the like. 1,663,709; Mar. 27.
- Kettering, Charles F., assignor to General Motors Research Corporation, Dayton, Ohio. Fuel-supply system. 1,664,366; Mar. 27.
- Kettering, Charles F., assignor to General Motors Research Corporation, Dayton, Ohio. Cooling system for internal-combustion engines. 1,665,307; Apr. 10.
- Kettering, Charles F., assignor to General Motors Research Corporation, Dayton, Ohio. Making air-cooled cylinders. 1,668,508; May 1.
- Kettering, Charles F., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Air cleaner. 1,690,341; Nov. 6.
- Ketteman, John S., Dallas, Tex. Building construction. 1,677,140; July 17.
- Kettle, Alfred J., Churchill, near Bristol, England. Adapter for fitting pumps to casks, tanks, and the like. 1,657,013; Jan. 24.
- Kettler, Martin F., assignor to Mystic Washer Company, Houston, Tex. Clothes-washing apparatus. 1,672,814; June 5.

- Kettler, Martin F., assignor to Mystic Washer Company, Inc., Houston, Tex. Washing apparatus. 1,672,815; June 5.
- Keuffel, Carl W., Weehawken, assignor to Keuffel and Esser Company, Hoboken, N. J. Rotating-disk photometer. 1,682,528; Aug. 28.
- Keuffel, Carl W., Weehawken, N. J., assignor to Keuffel and Esser Company, Hoboken, N. J. Optical instrument. 1,682,572; Aug. 28.
- Keuffel & Esser Company, The. (See Burmister, Donald M., assignor.)
- Keuffel and Esser Company. (See Keuffel, Carl W., assignor.)
- Keune, William H., Carlinville, Ill. Stalk breaker. 1,680,218; Aug. 7.
- Keyitt, Tice C., Athenia, N. J. Bird house. Des. 76,400; Sept. 25.
- Kewaskum Aluminum Company. (See Rosenheimer, Adolph L., Jr., assignor.)
- Kewish, John T., New York, N. Y. Automatic firearm. 1,696,537; Dec. 25.
- Kewley, Arthur W., Atlantic, Iowa. Condenser for radiator caps. 1,654,887; Jan. 3.
- Key Boiler Equipment Co. (See Key, Frederick E., assignor.)
- Key, Claude L., Milton, Oreg. Weeder. 1,665,464; Apr. 10.
- Key, Frederick E., East St. Louis, Ill. Apparatus for dispensing ice cream and the like. 1,675,250; Sept. 25.
- Key, Frederick E., assignor to Key Boiler Equipment Co., East St. Louis, Ill. Cast return bend for oil stills and making the same. 1,668,680; May 8.
- Key, Frederick E., assignor to Key Boiler Equipment Co., East St. Louis, Ill. Valve. 1,683,555; Sept. 4.
- Key, James F., Sierra Madre, assignor to First Trust & Savings Bank of Pasadena, trustee, Pasadena, Calif. Piston-pressure gauge. 1,666,419; Apr. 17.
- Keyes, Donald B., New York, N. Y., assignor to U. S. Industrial Alcohol Co. Obtaining absolute alcohol. 1,676,735; July 10.
- Keyes, Frederick G., Cambridge, assignor, by mesne assignments, to National Refrigerating Company, Boston, Mass. Refrigerating apparatus. 1,665,370; Apr. 10.
- Keyes, John M., et al. (See Savage, Llewellyn T., assignor.)
- Keyes, Laura H., et al. (See Savage, Llewellyn T., assignor.)
- Keys, John H., assignor to The Dayton Irrigation Company, Dayton, Ohio. Sprinkler. 1,665,371; Apr. 10.
- Keys, John H., assignor to The Dayton Irrigation Company, Dayton, Ohio. Sprinkler. 1,685,165; Sept. 25.
- Keys, Walter C., Detroit, Mich., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Cushioning connection. 1,691,723; Nov. 13.
- Keyser, Harry M. (See Combes, A. L., and Keyser.)
- Keyser, Johann J., Aarau, Switzerland. Actuating mechanism for spinning and twisting machines. 1,661,146; Feb. 28.
- Keyser, Johann J., Aarau, Switzerland. Combined coupling and bearing. 1,661,256; Mar. 6.
- Keyser, Johann J., Aarau, Switzerland. Spinning and twisting machine. 1,676,093; July 3.
- Keyser, Johann J., Aarau, Switzerland. Spinning shafting. 1,684,919; Sept. 18.
- Keyser, Johann J., Aarau, Switzerland. Supporting means for spindles in spinning machines and the like. 1,691,199; Nov. 13.
- Keyser, Leroy F., Akron, Ohio. Roll garter. 1,682,912; Sept. 4.
- Keystone Grinder and Manufacturing Company. (See Cooney, Lawrence J., assignor.)
- Keystone Lantern Company. (See Davis, Nathan H., assignor.)
- Keystone Mfg. Co. (See Marks, Isidore, assignor.)
- Keystone Mfg. Co., The. (See Miller, E. S., and Haist, assignors.)
- Keystone Roofing Manufacturing Company. (See Preston, Frederick W., assignor.)
- Keystone Stamping Corporation. (See Wohlhieter, Joseph W., assignor.)
- Keystone Steel & Wire Company. (See Sommer, P. W., assignor.)
- Keystone Watch Case Corporation. (See Ritschard, Victor, assignor.)
- Khan, Eden I. A., Manchester, England. Bumper for motor vehicles. Des. 74,438; Feb. 14.
- Khan, Eden I. A., Manchester, England. Bumper for motor vehicles. Des. 74,439; Feb. 14.
- Kharasch, Morris S., College Park, Md. Water-soluble metallic organic compound and making the same. Re16,921; Apr. 3.
- Kharasch, Morris S., College Park, Md. Alkyl mercuric sulphur compound and producing it. 1,672,615; June 5.
- Kharasch, Morris S., College Park, Ind. Water-soluble organic compound of arsenic and producing it. 1,677,592; July 17.
- Kharasch, Morris S., College Park, Md., assignor to Eli Lilly and Company, Indianapolis, Ind. Water-soluble organic compound of antimony and producing it. 1,684,920; Sept. 18.
- Khetah Corporation et al. (See Sartakoff, Jack D., assignor.)
- Khouri, Harry E., New Bedford, Mass. Warp stop motion. 1,678,253; July 24.
- Khouri, Harry E., New Bedford, Mass. Warp stop motion. 1,678,254; July 24.
- Khouri, Harry E., New Bedford, Mass., assignor to Khouri Warp Stop Motion, Inc. Warp stop motion. 1,678,255; July 24.
- Khouri Warp Stop Motion, Inc. (See Khouri, Harry E., assignor.)
- Kibby, Albert S., Perry, assignor of one-half to National Sales Company, Des Moines, Iowa. Washing machine. 1,686,137; Oct. 2.
- Kibbey, Egerton W., Minneapolis, Minn. Post. 1,657,127; Jan. 24.
- Kibitz, Frank X. (See La Hodny, W., and Kibitz.)
- Kibler, Alois, Passing, near Munich, Germany. Hand shears. 1,658,088; Feb. 7.
- Kicherer, Wilhelm, assignor to the firm Julius Geiger Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Floor-polishing apparatus. 1,660,384; Feb. 28.
- Kiehline, Wilson A., Bethlehem, Pa. Night and day house number. 1,657,967; Jan. 31.
- Kidde, Walter, & Company. (See Freygang, Walter H., assignor.)
- Kidney, Robert J., Buffalo, N. Y. Bath cabinet. 1,677,393; July 17.
- Kidwell Boiler Company. (See Appenzeller, Norman, assignor.)
- Kiefer, Albert. (See Kempf, H., and Kiefer.)
- Kiefer, Edward J., Kew Gardens, N. Y. Holder for glassware, etc. 1,688,424; Oct. 23.
- Kieffer, Allen J., Hot Springs, S. Dak. Cotton-picking machine. 1,687,571; Oct. 16.
- Kieffer, Eugene T., Cheyney, Pa., assignor to Victor Talking Machine Company. Cabinet for sound producing and reproducing instruments. Des. 76,814; Nov. 6.
- Kieffer, Eugene T., Cheyney, Pa., assignor to Victor Talking Machine Company. Cabinet for sound producing and reproducing instruments. Des. 76,815; Nov. 6.
- Kieffer, Eugene T., and W. B. Stevenson, Philadelphia, Pa., assignors to Victor Talking Machine Company. Talking machine. 1,696,683; Dec. 25.
- Kiehler, Frederick, assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable striker plate. 1,670,510; May 22.
- Kiel Furniture Co., The. (See Belrose, Albert J., assignor.)
- Kielberg, Henry, Martins Ferry, Ohio. Coiling key for collapsible tubes. 1,692,213; Nov. 20.
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Producing tapered expanded-metal receptacles. 1,664,629; Apr. 3.
- Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Cover for garbage cans. 1,681,587; Aug. 21.
- Kiele & Mueller, Inc. (See Dutcher, Charles H., assignor.)
- Kienast, Benjamin. (See Holdener, Simon, assignor.)
- Kienast, Selden P., Battle Creek, and C. E. Drake, Parma, Mich. Windshield wiper. 1,676,561; July 10.
- Kienel, Frederick J., Philadelphia, Pa. Hosiery-drying form. 1,669,251; May 8.
- Kieninger, Rudolf, Chicago, Ill. Canteen box. Des. 74,609; Mar. 6.
- Kienzle Uhrenfabriken Aktiengesellschaft. (See Kern, Leo, assignor.)
- Kienzle Uhrenfabriken Aktiengesellschaft. (See Riegger, Paul, assignor.)
- Kier, William E., assignor to Individualizing Company of Illinois, Chicago, Ill. Type-casting mold. 1,693,036; Nov. 27.
- Kiernan, Charles. (See Coburn, W. H., and Kiernan.)
- Kiernan, John. (See Thomas, Edwin E., assignor.)
- Kiesling, Samuel E., and O. Halvorsen, Chicago, Ill. Work holder for printing and embossing machines. 1,665,099; Apr. 3.
- Kieselbach, Clemens, Bonn, Germany. Steam-generating system. 1,690,120; Nov. 6.
- Kiessig, Harry R., San Diego, Calif. Poppet-valve self-correcting means. 1,683,902; Sept. 11.
- Kietz, Adolf P. (See Decker, George, assignor.)
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Work clamp for sewing machines. 1,660,755; Feb. 28.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,696,438; Dec. 25.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. 1,696,893; Dec. 25.
- Kikuta, Tario, assignor to Tobata Imono Kabushiki Kaisha, Tobata City, Kukuoka Ken, Japan. Manufacturing black-heart malleable cast iron from white cast iron. 1,692,842; Nov. 27.
- Kilborn, Karl B., Fairlawn, Ohio, assignor to Seiberling Rubber Company. Producing tire flaps. 1,692,123; Nov. 20.
- Kilbourne, Charles E., Worcester, Mass., assignor to Harder Refrigerator Corporation. Refrigerator drain trap. 1,666,937; Apr. 24.
- Kilbride, John J., Scotch Plains, N. J. Window cleaner. 1,666,782; Apr. 17.
- Kilburn, Isaac J., Denver, Colo., and J. T. Doyle, Broomfield, Colo. Cattle guard. 1,675,653; July 3.
- Kilby, Charles B., and M. Reinitz, Brooklyn, and A. B. Clisson, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Shirt-pressing machine. 1,686,619; Oct. 9.

- Kilcullen, Patrick J., Philadelphia, Pa. Reduction gearing. 1,659,571; Feb. 21.
- Kile, Clifford S., Hutchinson, Kans. Dental bridge. 1,678,779; July 31.
- Kilgore, Eugene S., San Francisco, Calif. Ash tray. 1,660,677; Feb. 28.
- Kilgore Foundry Co. (See Kilgore, Joseph D., assignor.)
- Kilgore, Joseph D., assignor to Kilgore Foundry Co., Columbus, Ohio. Toy pistol. 1,678,597; July 24.
- Kilgore Mfg. Company, The. (See Peake, Edward S., assignor.)
- Kilgour, Charles E., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radio tuning control device. 1,673,079; June 12.
- Kilgus, Carl A., C. A. Burton, and G. O. Bergmoser, Detroit, Mich. Fuel-oil burner. 1,667,122; Apr. 24.
- Kilian, Albert G. (See Dawley, J. C., Derby, and Kilian.)
- Kilian, Frederick K., Syracuse, N. Y. Caster. 1,691,659; Nov. 13.
- Kill, Vincent P., Lawton, Okla., assignor of one-half to C. R. Oelberg, Kirby, Ohio. Water-circulating system for the cooling jackets of internal-combustion engines. 1,655,374; Jan. 3.
- Killark Electric Manufacturing Company. (See Desloge, Joseph, assignor.)
- Killebrew, Ernest C., Evansville, Ind. Vacuum cleaner. 1,686,410; Oct. 2.
- Killinger, Alvin C. (See Crittenden, B. P., and Killinger.)
- Killingsworth, John W., Atlanta, Ga. Banding machine. 1,696,850; Dec. 25.
- Killion, John H., Chicago, Ill. Metal lath. 1,690,450; Nov. 6.
- Killip, John J., Astoria, Oreg. Sunshade for automobile windows. 1,688,719; Oct. 23.
- Killman, Thomas A., Nashville, Tenn., assignor to Dazey Churn & Manufacturing Company, St. Louis, Mo. Can opener. Re16,957; May 8.
- Killmnick, Samuel, Picher, Okla. Clothes drier. 1,680,524; Aug. 14.
- Kilmartin, Agnes N., and R. B. Moreland, Washington, D. C. Filing system. 1,671,726; May 29.
- Kilstrom, Axel, Cranston, R. I. Bracelet. 1,658,381; Feb. 7.
- Kimball, A., Company. (See Laencher, Frederick W., assignor.)
- Kimball, Charles D., assignor of one-half to S. S. McKinney, Los Angeles, Calif. Box and making same. 1,658,529; Feb. 7.
- Kimball, Clarence M., Atlanta, Ga. Window sign holder. 1,692,450; Nov. 20.
- Kimball, Edward F., et al. (See Doran, William M., assignor.)
- Kimball, Edwin R., assignor to The Aeroshade Company, Waukesha, Wis. Shade. 1,687,932; Oct. 16.
- Kimball, Frank J., Company. (See Schlegel, Ronald M., assignor.)
- Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Fluid-pressure governor. 1,658,382; Feb. 7.
- Kimball, James L., Beverly, assignor to Ruggles-Klingemann Manufacturing Company, Salem, Mass. Fluid-pressure relief valve. 1,679,938; Aug. 7.
- Kimball, Norris E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord belt. 1,679,575; Aug. 7.
- Kimball, Perry F., Detroit, Mich. Window ventilator. 1,660,168; Feb. 21.
- Kimball, Ralph L., Auburn, R. I. Direction indicator. 1,655,907; Jan. 10.
- Kimberley, Alfred J. (See Haak, G. E., and Kimberley.)
- Kimble Glass Company. (See Broche, Leon J., assignor.)
- Kimbro, Robert M., Calexico, Calif. Adjustable seat back for automobiles. 1,681,643; Aug. 21.
- Kimbroigh, Charles E., Haynesville, La. Gas control. 1,681,041; Aug. 14.
- Kimman, Theodore P., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Cleaning and polishing wheel. 1,685,406; Sept. 25.
- Kimmel, George C. (See Heald, J. N., Turner, and Kimmel.)
- Kimmel, George C., Worcester, Mass., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Automatic coolant-arresting mechanism. 1,664,983; Apr. 3.
- Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Flexible coupling. 1,662,006; Mar. 6.
- Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Chain-fastening device. 1,673,515; June 12.
- Kimmick, Rudolph, Ramah, Colo. Steam-boiler furnace. 1,694,014; Dec. 4.
- Kimura, Cyrus I., Chicago, Ill. Gas and electric drive for vehicles. 1,671,033; May 22.
- Kinahan, James B., Detroit, Mich. Reflector arch for furnaces. 1,678,816; July 31.
- Kincade, Jerry W., Lethbridge, Alberta, Canada. Agitator for chemically purifying oil. 1,678,225; July 24.
- Kincaid, Frank M., Ypsilanti, Mich., assignor, by mesne assignments, to Relay Motor Products Corporation, Bridgeport, Conn. Motor-vehicle transmission mechanism. 1,668,210; May 1.
- Kincaid, Joseph H., Evanston, assignor to Central Scientific Company, Chicago, Ill. Pneumatic trough. 1,690,073; Oct. 30.
- Kincannon, Frank L., assignor to Allied Drug Products Company, Inc., Philadelphia, Pa. Powder puff. Des. 74,231; Jan. 10.
- Kinch, Edward A., Rathdowney, Ireland. Vehicle-propelling device. 1,669,906; May 15.
- Kindermann, Erich, Berlin-Reinickendorf, assignor to A. Borsig G. m. b. H., Berlin-Tegel, Germany. Refrigerating system. 1,667,038; Apr. 24.
- Kindervater, Julius, Richmond, Va. Flexible stay bolt and mounting. 1,657,756; Jan. 31.
- Kindervater, Julius, Richmond, Va. Hollow flexible stay bolt. 1,669,252; May 8.
- Kindervater, Julius, Richmond, Va. Articulated* stay bolt. 1,669,253; May 8.
- Kindervater, Julius, Richmond, Va. Flexible stay bolt. 1,679,161; July 31.
- Kindervater, Julius, New York, N. Y. Washout plug and making the same. 1,668,411; May 1.
- Kindervater, Julius, New York, N. Y. Main-rod bearing. 1,682,969; Sept. 4.
- Kindervater, Julius, New York, N. Y. Steam-engine-valve reversing gear. 1,684,228; Sept. 11.
- Kindle, Charles J., assignor to Foote-Reynolds Company, Grand Rapids, Mich. Bed construction. 1,687,098; Oct. 9.
- Kindwall, Nils G., assignor to Practical Die & Specialty Mfg. Co., Chicago, Ill. Golf bag. 1,658,243; Feb. 7.
- King, Alfred C., and J. Stringer, assignors to King Stringer & Company Limited, London, England. Anti-theft device for motor vehicles. 1,691,484; Nov. 13.
- King, Andrew. (See Koronski, A., and Heacock.)
- King, Bert W., assignor to Barnes Scale Company, Detroit, Mich. Scale casing. Des. 74,179; Jan. 3.
- King, Dee M., Canton, Tex. Ice saw. 1,694,221; Dec. 4.
- King, Douglas H., Irvington, N. J. Animated fish toy. 1,661,758; Mar. 6.
- King, Douglas H., Irvington, N. J., F. J. Dowd, Brooklyn, N. Y., and C. W. Stevens, Arlington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Selector switch. 1,656,916; Jan. 24.
- King, Edgar B., Berenice, Idaho. Tool. 1,678,598; July 24.
- King, Edward J., Galesburg, Ill. Respirator. 1,674,336; June 19.
- King, Edward P., Chicago, Ill., assignor to Sands Level & Tool Company, Detroit, Mich. Level sight. 1,658,528; Feb. 7.
- King, Edwin D., Jr., Valdosta, Ga. Sterilizer. 1,666,825; Apr. 17.
- King, Emory A., Corydon, Iowa. Trailer. 1,694,267; Dec. 4.
- King, Eustachius J., Philadelphia, Pa. Railroad switch. 1,681,860; Aug. 21.
- King, Frances R. (See De Hart, William A., assignor.)
- King, Francis, Los Angeles, Calif. Ophthalmic massage instrument. 1,654,888; Jan. 3.
- King, Francis M., sr., Philadelphia, Pa. Combined dishwasher and soap holder. 1,676,905; July 10.
- King, Frank A., and E. Bedford, assignors to Emil Weissbrod & Sons, Inc., Greenfield, Mass. Key case. 1,691,608; Nov. 13.
- King, Frank B., Wakefield, Mass. Chain hook. 1,680,551; Aug. 14.
- King, Frank R., Madison, Wis. Pipe cleaner. 1,661,759; Mar. 6.
- King, George A. (See Boden, G., and King.)
- King, George A. (See Boden, G., King, and Chapman.)
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hinged double-pin locking fastener. 1,674,598; June 19.
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. All-wire pin fastener. 1,690,074; Oct. 30.
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hinged pin fastener. 1,692,778; Nov. 20.
- King, George A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pin-attached button. 1,695,252; Dec. 11.
- King, George E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signal instrument. 1,664,933; Apr. 3.
- King and Hamilton Company. (See Gilman, Albert E., assignor.)
- King, Harvey, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Starting system for electric motors. 1,682,380; Aug. 28.
- King, Herbert F., Newtonville, Mass. Light projector. 1,680,685; Aug. 14.
- King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Depth-indicating device. 1,679,222; July 31.
- King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Liquid-depth-indicating device. 1,687,216; Oct. 9.
- King, Horace W., and W. E. Bandemer, assignors to King-Seeley Corporation, Ann Arbor, Mich. Liquid-depth-indicating device. 1,687,215; Oct. 9.
- King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Sheet folding. 1,693,147; Nov. 27.
- King, James, Kansas City, Mo. Combination cotton thinning and cultivating machine. 1,681,122; Feb. 28.
- King, James E. (See Tate, H. E., King, and Barber.)

- King, James W., assignor to The Tissue Company, Saugerties, N. Y. Napkin holder. Des. 76,874; Nov. 13.
- King, James W., assignor to The Tissue Company, Saugerties, N. Y. Napkin package. 1,686,862; Oct. 9.
- King, Jesse G., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,658,340; Feb. 7.
- King, Jesse G., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,658,341; Feb. 7.
- King, Jesse G., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,658,342; Feb. 7.
- King, Jesse G., and H. B. Hull, Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Valved fitting for refrigerating apparatus. 1,678,147; July 24.
- King, John J. (See Bunnell, Earl C., assignor.)
- King, John L., New York, N. Y., assignor to Reelaxion Razor Company, Incorporated. Safety razor. 1,679,670; Aug. 7.
- King, John S., et al. (See Hoyt, Fred L., assignor.)
- King, Joseph M., Detroit, Mich. Internal-combustion engine. 1,669,763; May 15.
- King, Joseph M. S., and R. S. Lund, assignors to Utah Radio Products Company, Salt Lake City, Utah. Electromagnetic vibratory unit. 1,671,727; May 29.
- King, Leland A., Chicago, Ill. Toy motion-picture device. 1,688,972; Oct. 23.
- King, Louise C., Cleveland, Ohio. Spectacles. 1,681,735; Aug. 21.
- King, Nathaniel, assignor to Seneca Falls Machine Company, Fitchburg, Mass. Back-turning attachment for lathes. 1,662,192; Mar. 13.
- King, Oliver J., Winter, Saskatchewan, Canada. Railway crossing. 1,658,444; Feb. 7.
- King, Oral A., South Norfolk, Va. Toothbrush case. 1,691,814; Nov. 13.
- King, Robert W., Toronto, Ontario, Canada. Rotary pump. 1,676,783; July 10.
- King, Robert W., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrical translating circuit. 1,664,455; Apr. 3.
- King, Rufus, Plainville, assignor to Bugbee & Niles Co., North Attleboro, Mass. Watch-bracelet clasp. 1,696,167; Dec. 18.
- King-Seely Corporation. (See King, Horace W., assignor.)
- King, Stinger & Company, Limited. (See King, A. C., and Stringer, assignors.)
- King, Thomas E., Westfield, assignor to Hitchings & Company, Elizabeth, N. J. Closure for power devices. 1,655,867; Jan. 10.
- King, Thomas E., Westfield, assignor to Hitchings & Company, Elizabeth, N. J. Greenhouse. 1,675,712; July 3.
- King, Thomas E., Westfield, assignor to Hitchings & Company, Elizabeth, N. J. Sash operator for greenhouses. 1,688,337; Oct. 23.
- King, Thomas E., Westfield, assignor to Hitchings & Company, Elizabeth, N. J. Transom-operating mechanism. 1,692,843; Nov. 27.
- King, Vincent P., et al. (See Tipton, Edward F., assignor.)
- King, W. A. (See Barclay, William J., assignor.)
- King, Walter G., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,668,323; May 1.
- King, Walter J. H., Alameda, assignor to Union Lithograph Company, Inc., San Francisco, Calif. Binder. 1,668,813; May 8.
- King, William J., assignor to The E. T. Burrowes Company, Portland, Me. Folding table. 1,675,355; July 3.
- King, William R. (See Harpster, C. C., and King.)
- King, William R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Making heater units. 1,684,184; Sept. 11.
- Kingdon, John B., Stockbridge, England. Plucking machine. 1,656,738; Jan. 17.
- Kingman, Russell B., Orange, N. J. Metallic abrasive scouring device. 1,683,357; Sept. 4.
- Kingman, Russell B., Orange, assignor to Useful Products Company, West Orange, N. J. Memory-checking device. 1,659,691; Feb. 21.
- Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Scouring pad. 1,659,977; Feb. 21.
- Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Scouring device. 1,663,182; Mar. 20.
- Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Decorative ornament. 1,666,099; Apr. 17.
- Kingman, Russell B., Orange, assignor to Useful Products Company, West Orange, N. J. Doorcheck. 1,678,817; July 31.
- Kingman, Russell B., Orange, assignor to Useful Products Company, West Orange, N. J. Indicator for memory-checking devices. 1,683,358; Sept. 4.
- Kingman, Russell B., Orange, assignor, by mesne assignments, to Metal Textile Corporation, West Orange, N. J. Scouring device. 1,686,863; Oct. 9.
- Kingman, Russell B., Orange, N. J., assignor to Metal Textile Corporation. Scouring-soap cake. 1,686,864; Oct. 9.
- Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Scouring ball. 1,689,207; Oct. 30.
- Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Measuring machine. 1,662,425; Mar. 13.
- Kingsbury, Albert, Greenwich, Conn., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Thrust bearing. 1,668,648; May 8.
- Kingsbury, George P., New York, N. Y., assignor to Mergenthaler Linotype Company. Slug-trimming mechanism. 1,656,639; Jan. 17.
- Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,691,849; Nov. 13.
- Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,692,214; Nov. 20.
- Kingsbury Machine Works, Inc. (See Kingsbury, Albert, assignor.)
- King-Seely Corporation. (See King, Horace W., assignor.)
- King-Seely Corporation. (See King, H. W., and Bander, assignors.)
- Kingsford, Russell T., Wyncote, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Loud speaker. 1,672,493; June 5.
- Kingsford, Russell T., Wyncote, and W. H. Richter, assignors to Atwater Kent Manufacturing Company, Philadelphia, Pa. Telephone magnet system. 1,689,948; Oct. 30.
- Kingsley, Charles B., Clairton, Pa. Apparatus for controlling molten-glass flow. 1,692,306; Nov. 20.
- Kingslev, Charles B., Clairton, Pa., assignor to Mississippi Glass Company. Method of and apparatus for producing molten glass. 1,662,116; Mar. 13.
- Kingsley, Lee, Syracuse, N. Y. Filing-tab holder. 1,686,212; Oct. 2.
- Kingsley-Miller Company, The. (See Blanc, David W., assignor.)
- Kingsley-Miller Company, The. (See Dewire, John A., assignor.)
- Kingsley-Miller Company, The. (See Dibelka, Henry G., assignor.)
- Kingsley-Miller Company, The. (See Townsend, George H., assignor.)
- Kingston, Frederick S., assignor to The Sunlight Electrical Manufacturing Company, Warren, Ohio. Induction motor. 1,665,742; Apr. 10.
- Kingston, George, assignor to Kingston Products Corporation, Kokomo, Ind. Carburetor. 1,681,410; Aug. 21.
- Kingston Products Corporation. (See Kingston, George, assignor.)
- Kingsville Lumber Company. (See Baldwin, Joseph P., assignor.)
- Kinite Company, The. (See Mohr, Erwin J., assignor.)
- Kinite Corporation. (See Moorman, Thomas A., assignor.)
- Kinke, Revere P., Buffalo, N. Y. Treating garbage and the like. 1,684,448; Sept. 18.
- Kinkel, Samuel A., Minneapolis, Minn. Ventilator for window sashes. 1,693,519; Nov. 27.
- Kinley, Myron M., Tulsa, Okla. Method of and apparatus for detecting binding points in well casings. 1,654,819; Jan. 8.
- Kinley, Richard C. (See Smith, O. A., and Kinley.)
- Kinnard, Isaac F., Lynnfield, and W. H. Pratt, Lynn, Mass., assignors to General Electric Company. Electrical measuring instrument. 1,659,549; Feb. 14.
- Kinnard, James A., Detroit, Mich., assignor to The Fulton Siphon Company, Knoxville, Tenn. Cooling system for internal-combustion engines. 1,667,207; Apr. 24.
- Kinnear, Delamar C., assignor, by mesne assignments, to The American Brass Company, Waterbury, Conn. Metal-drawing apparatus. 1,667,387; Apr. 24.
- Kinnear, Delamar C., Waterbury, assignor to The American Brass Company, Waterbury, Conn. Metal-drawing apparatus. 1,679,906; Aug. 7.
- Kinnear, Delamar C., assignor to The American Brass Company, Waterbury, Conn. Drawing apparatus. 1,694,922; Dec. 11.
- Kinnear, Peter, Columbus, Ohio. Ice-cream holder. 1,678,436; July 24.
- Kinney, Ansel M., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Preparing leather. 1,655,868; Jan. 10.
- Kinney, Claude A., Hannibal, Mo. Combination tool. 1,682,009; Aug. 28.
- Kinney, George C., Bishop, Calif. Fish screen. 1,692,451; Nov. 20.
- Kinney, George D. (See Kinney, Merton M. and G. O.)
- Kinney, Henry T. (See Edmiston, B. and Kinney.)
- Kinney, Howard D., El Dorado, Ark. Deep-well tool. 1,660,449; Feb. 28.
- Kinney, James A., Lebanon, assignor to Bethlehem Steel Company, Bethlehem, Pa. Automatic pointing and threading machine. 1,677,238; July 17.
- Kinney, Justus R., Jamaica Plain, Mass. Draining pad. 1,677,641; July 17.
- Kinney, Le Baron W., Cleveland, and G. H. Bierman, East Cleveland, assignors to The White Motor Company, Cleveland, Ohio. Heat treating steel. 1,695,922; Dec. 18.
- Kinney, Maude I. F., Peoria, Ill. Backing device for the buttons of garments. 1,680,623; Aug. 14.
- Kinney, Merton M. and G. D. Duluth, Minn. Collapsible tire rim. 1,680,887; Aug. 14.

- Kinney, Norton W., assignor to Slipper City Wood Heel Company, Haverhill, Mass. Wood-heel-grooving machine. 1,654,978; Jan. 3.
- Kinney Rome Company. (See Hanauer, Darwin, assignor.)
- Kinsey, Edwin M., Riverside, N. J. Sample and sample container. 1,667,320; Apr. 24.
- Kinsley, Felix P., St. Louis, Mo. Watch bracelet or similar article. Des. 76,139; Aug. 21.
- Kinsley, Richard F., assignor to Dryden Rubber Company, Chicago, Ill. Manufacturing rubber articles. 1,684,100; Sept. 11.
- Kinter, Charles W., and C. H. Manion, Follansbee, W. Va., assignors to Follansbee Brothers Company, Pittsburgh, Pa. Plate reversing and cooling mechanism. 1,695,923; Dec. 18.
- Kintner, Samuel M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-control system for high-frequency generators. 1,669,524; May 15.
- Kintner, Samuel M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television apparatus. 1,695,924; Dec. 18.
- Kintz, Alfred G., Wallingford, Conn., assignor to International Silver Company, Meriden, Conn. Dish or similar article. Des. 75,733; July 10.
- Kintz, Alfred G., Wallingford, Conn., assignor to International Silver Company, Meriden, Conn. Dish or similar article. Des. 75,734; July 10.
- Kintz, Alfred G., Wallingford, Conn., assignor to International Silver Company, Meriden, Conn. Dish or similar article. Des. 75,735; July 10.
- Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 76,193; Aug. 28.
- Kintz, Mary E., Los Angeles, Calif. Garment support. 1,672,325; June 5.
- Kintz, Mary E., Los Angeles, Calif. Lingerie pin. 1,680,552; Aug. 14.
- Kintzele, Julius H., St. Louis, Mo., assignor to Potato Waffles, Inc., New York, N. Y. Vegetable-slicing machine. 1,667,321; Apr. 24.
- Kintzing, Reese T., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,682,381; Aug. 28.
- Kintzing, Reese T., and O. C. Cordes, Wilkensburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,671,529; May 29.
- Kinyon, Alonzo G., Allentown, assignor, by mesne assignments, to J. W. Fuller, Catasauqua, Pa. Apparatus for conveying pulverized material. 1,677,119; July 10.
- Kinzbach, Alfred, Sour Lake, Tex. Tank-gauging apparatus. 1,652,286; Aug. 28.
- Kinzie, Charles J. (See Barton, L. E., and Kinzie.)
- Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Making zirconium compounds. 1,658,807; Feb. 14.
- Kinzler, Edward F., assignor of one-half to R. Rawsthorne, jr., Pittsburgh, Pa. Apparatus for making photographic reproductions. 1,676,033; July 3.
- Kipp-Kelly, Limited. (See Kipp, Theodore, jr., assignor.)
- Kipp, Roy H., Chicago, Ill., assignor to International Harvester Company. Disk-lister attachment for cultivators. 1,691,549; Nov. 13.
- Kipp, Theodore, jr., Winnipeg, Manitoba, Canada. Groat cutter. 1,672,945; June 12.
- Kipp, Theodore, jr., assignor to Kipp-Kelly, Limited, Winnipeg, Manitoba, Canada. Rotary oatmeal cutter. 1,670,812; May 22.
- Kipper, Herman B., Muskegon, Mich. Heating and agitating apparatus. 1,655,424; Jan. 10.
- Kipper, Herman B., Muskegon, Mich. Process of and apparatus for distillation of oil from oil shale. 1,682,287; Aug. 28.
- Kirby, Joseph A., Dunedin, New Zealand. Cable-laying apparatus. 1,668,277; May 1.
- Kirby, Ralph, Victoria, British Columbia, Canada. Endless crosscut saw. 1,671,295; May 29.
- Kirch, Emma, Wilkes-Barre, Pa. Bicycle carriage. 1,661,257; Mar. 6.
- Kirchleisen, Theodor, Dessau in Anhalt, and J. Gürtler, Offenbach-on-the-Main, Germany, assignors, by mesne assignments, to Grasselli Dye-stuff Corporation, New York, N. Y. Producing fast dyeings on the fiber. 1,680,791; Aug. 14.
- Kirchenbauer, Louis J., Chicago, Ill., assignor, by mesne assignments, to The R. K. Le Blond Machine Tool Company. Crank-pin lathe. Re17,040; July 17.
- Kircher, Albert G., jr., Jamaica, N. Y. Paint can. 1,696,240; Dec. 25.
- Kircher, Ralph, West Bend, Wis., assignor to West Bend Aluminum Company. Handle for kitchen utensils. 1,667,973; May 1.
- Kircher, Ralph N. (See Wentorf, R. H., and Kircher.)
- Kirchhoff, Ernest, Great Kills, assignor to Elias Reiss & Company, New York, N. Y. Textile fabric. Des. 75,690; July 3.
- Kirchhoff, Ernest, Great Kills, N. Y., assignor to Rousmaniere, Williams & Co., Boston, Mass. Textile fabric. Des. 75,736; July 10.
- Kirchhoff, Hermann. (See Kaltwasser, O., Oehrn, and Kirchhoff.)
- Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough mixer. Re17,169; Dec. 25.
- Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Clutch. 1,669,907; May 15.
- Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough divider. 1,672,162; June 5.
- Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Combined blending and sifting device. 1,696,093; Dec. 18.
- Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Stuffing box and bearing structure. 1,696,094; Dec. 18.
- Kirchner, Henry W., St. Louis, Mo. Transportation system. 1,663,375; Mar. 20.
- Kirin, Mark, Detroit, Mich. Billiard table. 1,672,891; June 12.
- Kirk, Benjamin K., Philadelphia, Pa. Mine locomotive. 1,691,815; Nov. 13.
- Kirk, Edward C., St. Albans, W. Va., assignor to The American Mine Door Co., Canton, Ohio. Cable splice. 1,655,706; Jan. 10.
- Kirk, Henry C., Baltimore, Md. Treating oils. 1,676,230; July 3.
- Kirk, Le Grand F., et al. (See Moon, Edward W., assignor.)
- Kirk, Morris P., Los Angeles, Calif. Safety signal. 1,663,133; Mar. 20.
- Kirk, William A., Hot Springs National Park, Ark. Sash fastener. 1,691,485; Nov. 13.
- Kirk, William C., Indianapolis, Ind. Knockdown convertible stand. 1,688,546; Oct. 23.
- Kirk, William J., Wellsburg, W. Va. Internal applicator. 1,677,642; July 17.
- Kirkeby, John, San Luis Obispo, Calif. Automatic gear-shifting device. 1,686,914; Oct. 9.
- Kirkham, Harry M., Kansas City, Mo. Attaching device for cutting surgical adhesive tape on spools. 1,671,904; May 29.
- Kirkham, Joseph E., Topeka, Kans., assignor to Koehring Company, Milwaukee, Wis. Skimmer-scoop crane. 1,692,452; Nov. 20.
- Kirkham, Philip, Riverside, Conn., and G. A. Scheel, Jackson Heights, assignors to F. A. O. Schwartz, New York, N. Y. Portable outdoor swimming pool. 1,664,887; Apr. 3.
- Kirkpatrick, John M., Huntingdon Valley, Pa. Gold or mineral trap. 1,674,399; June 19.
- Kirkpatrick, Robert S., Des Moines, Iowa. Washing machine. 1,661,665; Mar. 6.
- Kirkpatrick, Thomas P., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,675,356; July 3.
- Kirkwood, Maclean, Towaco, N. J., assignor to American Telephone and Telegraph Company. Testing of telegraph circuits. 1,673,829; June 19.
- Kirkwood, Maclean, Towaco, N. J., assignor to American Telephone and Telegraph Company. Trouble alarm for telegraph systems. 1,673,830; June 19.
- Kirlin, Otis M., Watertown, S. Dak. Fluid-flow regulator and coupler. 1,668,681; May 8.
- Kirner, Josef, Stuttgart, Germany. Journaling of supporting rollers. 1,658,530; Feb. 7.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Fixture mounting for metal window casings. 1,662,927; Mar. 20.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Composite drapery suspension fixture. 1,662,928; Mar. 20.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Company, Sturgis, Mich. Composite drapery fixture. 1,693,082; Nov. 27.
- Kirsch, Edward, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Candy-pulling machine. 1,656,005; Jan. 10.
- Kirsch Manufacturing Company. (See Kirsch, Charles W., assignor.)
- Kirsch, Michael, Milwaukee, Wis. Multiple-unit single-control extension staging. 1,692,664; Nov. 20.
- Kirschbaum, Albert, Newark, N. J. Door. 1,686,819; Oct. 9.
- Kirschberg, Sigmund, San Francisco, Calif. Adjustable awning fixture. 1,683,903; Sept. 11.
- Kirschbraun, Lester, Chicago, Ill. Recovering waste fibrous material. 1,659,401; Feb. 14.
- Kirschbraun, Lester, Chicago, Ill. Felted fibrous waterproof sheet. 1,672,262; June 5.
- Kirschbraun, Lester, Chicago, Ill. Apparatus for making paper. 1,686,818; Oct. 9.
- Kirschbraun, Lester, Chicago, Ill. Pavement and laying same. 1,690,020; Oct. 30.
- Kirschbraun, Lester, Chicago, Ill. Making emulsion paints. 1,691,765; Nov. 13.
- Kirschbraun, Lester, Chicago, Ill. Motor fuel and making same. 1,692,176; Nov. 20.
- Kirschbraun, Lester, Chicago, Ill., and H. L. Levin, Passaic, N. J.; said Levin assignor to The Flintkote Company, Boston, Mass. Producing emulsions or dispersions. 1,691,766; Nov. 13.
- Kirschbraun, Lester, Chicago, Ill., and H. L. Levin, Passaic, N. J., assignors to The Flintkote Company, Boston, Mass. Producing emulsions or dispersions. 1,691,767; Nov. 13.
- Kirschbraun, Lester, Leonia, N. J. Making emulsions and product thereof. 1,679,475; Aug. 7.
- Kirschbraun, Lester, Leonia, N. J. Producing emulsions or dispersions and product thereof. 1,691,768; Nov. 13.

- Kirschner, Felix, Vienna, Austria. Production of galvanic metal coatings. 1,664,750; Apr. 3.
- Kirshner, Abraham, Philadelphia, Pa. Christmas-tree support. 1,662,579; Mar. 13.
- Kirshner, Samuel M., Philadelphia, Pa. Installing device for placing reinforcing in concrete. 1,688,973; Oct. 23.
- Kirst, Christopher C. (See Kirst, John P., assignor.)
- Kirst, John P., assignor of one-fourth to C. C. Kirst, Tampico, Ill. Trundle. Des. 75,260; May 22.
- Kirtlan, Clarence D., Woodlake, assignor of two-fifths to G. Humberger, one-tenth to J. Humberger, and one-tenth to L. Humberger, Visalia, Calif. Valve-spring compressor. 1,669,376; May 8.
- Kirts, Owen C., Marion, Ohio. Smoking stand. 1,684,589; Sept. 18.
- Kirwan, Philip J., Glenwood Springs, Colo. Film clip. 1,657,678; Jan. 31.
- Kirwin, Roscoe C., Coraopolis, Pa. Apparatus for treating hydrocarbon liquids. 1,654,654; Jan. 3.
- Kirwin, Thomas, and H. O. Plaus, Easthampton, Mass. Polishing machine. 1,668,966; May 8.
- Kirzner, Samuel, Malden, Mass. Ash tray. Des. 74,979; Apr. 24.
- Kise, William K., Kansas City, Mo. Oil stove. 1,669,090; May 8.
- Kise, William K., assignor to The Everbrite Stove Company, Kansas City, Mo. Oil stove. Re17,053; July 31.
- Kisecker, Charles N., Dayton, Ohio. Headlight. 1,676,393; July 10.
- Kishaw, Michale, Detroit, Mich. Vehicle radiator cover. Des. 77,240; Dec. 18.
- Kishpaugh, Arthur W., East Orange, N. J., assignor to Western Electric Company, Incorporated. Electric wave signaling system. 1,675,889; July 3.
- Kispert, Joseph J., Branford, assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 1,678,818; July 31.
- Kissel, Clarence A., Lincoln Park, Mich. Combination ash tray and pipe scraper. 1,669,525; May 15.
- Kissing, Eugene R., and R. H., Columbus, Ohio. Adjustable striker plate for doors. 1,688,626; Oct. 23.
- Kissinger, Roy H. (See Kissing, Eugene R. and R. H.)
- Kistler, William, Chatham, Ontario, Canada. Assembling tubular-steel-spoked automobile wheels. 1,664,822; Apr. 3.
- Kistner, Herman H., Elizabeth, N. J. Piston ring and making same. 1,654,736; Jan. 3.
- Kistner, Herman H., Elizabeth, N. J. Work holder. 1,654,737; Jan. 3.
- Kitchel, Robert R., Ridley Park, and J. L. Lippard, and J. E. Mullan, assignors to Bayuk Cigars, Incorporated, Philadelphia, Pa. Cigar-bunch machine. 1,680,996; Aug. 14.
- Kitchen, John F., Erie, Pa., assignor by mesne assignments to Doherty Research Company, New York, N. Y. Demand limiting and volumetric meter. 1,676,444; July 10.
- Kitchen, Joseph M. W., East Orange, N. J. Treating lactic fluids. 1,658,168; Feb. 7.
- Kitchen, Joseph M. W., East Orange, N. J. Saving fuel. 1,659,692; Feb. 21.
- Kitchen, Joseph M. W., East Orange, N. J. Preburning preparation of fuels. 1,678,863; July 31.
- Kitchen, Robert H., and H. N. Norris, assignors of one-third to A. Fields, Grayson, Ky. Direction indicator. 1,664,751; Apr. 3.
- Kithil, Karl L., Denver, Colo. Seismo vibrometer. 1,669,135; May 8.
- Kithil, Karl L., Denver, Colo. Seismo vibrometer. 1,672,892; June 12.
- Kitsman, Frank E., Seattle, Wash. Clip for concrete forms. 1,659,031; Feb. 14.
- Kitson Machine Shop. (See Surley, Robert S., assignor.)
- Kitt, William C., Cincinnati, Ohio. Humidifier for internal-combustion engines. 1,693,083; Nov. 27.
- Kitterman, Alexander, Portland, Oreg. Weed extirminator. 1,668,156; May 1.
- Kitterman, Willie B., and F. H. Mills, New York, N. Y. Utility bag. 1,683,678; Sept. 11.
- Kittredge, John W., Akron, Ohio. Hoisting block. 1,684,185; Sept. 11.
- Kitzberger, Rudolph, Omaha, Nebr. Window. 1,656,327; Jan. 17.
- Kivlan, John L., Boston, assignor, by mesne assignments, to W. L. Walker, Worcester, Mass. Jar-trimming machine. 1,677,239; July 17.
- Kivlin, Alfred P., New York, N. Y., assignor to H. J. Forster, trustee of the American Railway Association. Method of and apparatus for crating furniture. 1,694,508; Dec. 11.
- Kiwanis International. (See Parker, Frederic C. W., assignor.)
- Kizer, Clara M., Omaha, Nebr. Kitchen memo pad. 1,680,525; Aug. 14.
- Kjekstad, Johannes. (See Russell, Gordon W., assignors.)
- Kjekstad, Johannes, assignor of one-half to W. Schenstrom, Brooklyn, N. Y. Arc welding system. 1,662,369; Mar. 13.
- Kjellerup, Niels M. A., St. Paul, Minn. Protective mounting for stamps or other objects. 1,689,528; Oct. 30.
- Kjolseth, Ole K., Scotia, N. Y., assignor to General Electric Company. Railway truck. 1,684,282; Sept. 11.
- Kjolseth, Ole K., Scotia, N. Y., assignor to General Electric Company. Railway truck. 1,696,608; Dec. 25.
- Klansen, Benjamin J., Highland Park, Mich. Hollow metal joist. 1,688,016; Oct. 16.
- Klaboe, Ralph, Chicago, Ill. Combination tool. 1,662,461; Mar. 13.
- Klages, August, Magdeburg-Sudost, Germany. Treatment of seed. 1,688,720; Oct. 23.
- Klages, George W. (See Stroh, W. Y., and Klages.)
- Klamer, John, Stevens Point, Wis. Illuminated city name and license double-number plate and direction-signal attachment therefor. 1,679,671; Aug. 7.
- Klancher, John. (See Van Brimer, G., Magrath, Klancher, and Soots.)
- Klar, Max, Holzminden, Germany. Manufacturing white acetate of lead solutions or crystals out of pyroigneous acid. 1,678,256; July 24.
- Klass, Martin, and S. Stern, New York, N. Y. Ring. Des. 74,512; Feb. 21.
- Klasstorner, Samuel. (See Faith, S., and Klasstorner.)
- Klaucke, Hermann, Worcester, assignor to Baldwin Chain & Mfg. Co., Auburn, Mass. Pin-retaining means for chains. 1,665,100; Apr. 3.
- Klauser, Henry J. (See Schorr, John, assignor.)
- Klaus, Charles E., assignor to Harry L. Hussmann Refrigerator Company, St. Louis, Mo. Show-case refrigerator. 1,681,242; Aug. 21.
- Klaus, Fred R., assignor to The American Welding and Manufacturing Company, Warren, Ohio. Making cushion-tire structures. 1,657,014; Jan. 24.
- Klaus, Fred R., assignor to The American Welding and Manufacturing Company, Warren, Ohio. Demountable-rim structure. 1,688,146; Oct. 16.
- Klaus, Fred R., assignor to The American Welding and Manufacturing Company, Warren, Ohio. Forming annular plates. 1,689,784; Oct. 30.
- Klaus, Fred R., and W. R. Edwards, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Machine for rolling rim edges. 1,658,601; Feb. 7.
- Klaus, Fred R., and F. H. Meyer, Warren, Ohio, assignors to The American Welding and Manufacturing Company. Cushion-tire structure. 1,690,823; Nov. 6.
- Klaus, Stephan, Hawthorne, N. J. Toy. 1,661,292; Mar. 6.
- Klauset, Nikolai K., Christiansand, Norway. Lubricator. 1,678,731; July 31.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Telescopic guard system for drills. 1,659,978; Feb. 21.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Strap-guarded radial drill. 1,660,385; Feb. 28.
- Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Head-to-arm clamping mechanism. 1,660,386; Feb. 28.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Nested control for both clamp and speeds. 1,664,888; Apr. 3.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Detachable gear unit. 1,664,889; Apr. 3.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Master radial-drill speed box. 1,666,422; Apr. 17.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Box-column-type upright drill. 1,682,844; Sept. 4.
- Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Mobile radial drill. 1,685,072; Sept. 18.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Condensed clutch for reversing mechanisms. 1,685,638; Sept. 25.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Multiple-lever twenty-four-speed mechanism. 1,686,240; Oct. 2.
- Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Cam-controlled twenty-four-speed mechanism. 1,686,383; Oct. 2.
- Klausmeyer, David C., Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Automatic positive-feed clutch for drilling machines. 1,688,547; Oct. 23.
- Klausmeyer, David C., Cincinnati, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Accessible twin-lever gear shift for drill heads. 1,696,403; Dec. 25.
- Klausmeyer, David C., Cincinnati, and V. Julien, Norwood, assignors to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Drill column with coaxial power line. 1,658,808; Feb. 14.
- Klausmeyer, David C., and J. Utz, Cincinnati, Ohio. Upright-drill depth gauge. 1,672,128; June 5.
- Klausner, Edward S., Owego, N. Y. Fitting-up bolt device. 1,694,326; Dec. 4.
- Klearflax Linen Looms, Inc., The. (See Dahlen, Charles A., assignor.)
- Klebanoff, David, et al. (See Grossman, Samuel, assignor.)
- Klebanoff and Grossman. (See Grossman, Samuel.)
- Klebert, Emil. (See Van Vloten, P. V., and Klebert.)
- Kleckner, Arthur C., assignor to Webster Electric Company, Racine, Wis. Casing for electrical apparatus. 1,677,350; July 17.
- Klee Josef, and A. Schneider, Munich, Germany. Lifting jack for vehicles. 1,666,455; Apr. 17.

- Kleebauer, Charles P., Cohoes, and R. M. Lackey, Waterford, assignors to Cohoes Envelope Co., Inc., Cohoes, N. Y. Parcel bag. 1,665,035; Apr. 3.
- Kleebauer, Charles P., Cohoes, and R. M. Lackey, Waterford, assignors to Cohoes Envelope Co., Inc., Cohoes, N. Y. Tension envelope. 1,668,372; May 1.
- Kleen Kap Corporation. (See De Wallace, Harry, assignor.)
- Kleen Kap Corporation. (See Laidlaw, Walter G., assignor.)
- Kleenglas Limited. (See Griffiths, Alfred, assignor.)
- Klees, Albert L., New York, B. Greenfield, Jackson Heights, N. Y., and G. B. Ackermann, assignors to Cribben & Sexton Company, Chicago, Ill. Space heating and humidifying apparatus. 1,674,337; June 19.
- Klees, Albert L., New York, and B. Greenfield, Jackson Heights, N. Y., and G. B. Ackermann, assignors to Cribben & Sexton Company, Chicago, Ill. Hot-air furnace. 1,687,983; Oct. 16.
- Klehr, William, Forest Hills, assignor to Edward F. Caldwell & Co. Inc., New York, N. Y. Electric-light fixture. Des. 76,140; Aug. 21.
- Klein, Benjamin F. (See Maerz, Frederick K., assignor.)
- Klein, Benjamin F., Cleveland, Ohio. Combination lighting fixture and support for loud-speaker units. Des. 77,241; Dec. 18.
- Klein, Bernard G., Chicago, Ill. Making embossed designs. 1,693,561; Nov. 27.
- Klein, Carl, Wichita, Kans. Truck. 1,694,342; Dec. 4.
- Klein, Carl, Wichita, Kans. Truck. 1,694,343; Dec. 4.
- Klein, Carl A., Brimsdown, and R. S. Brown, London, England. Manufacture of glass, sand, or flint paper, emery cloth, and like abrasives. 1,687,453; Oct. 9.
- Klein, Carl A., Brimsdown, and R. S. Brown, London, England. Glass, sand, or flint paper, emery cloth, or like abrasive. 1,687,454; Oct. 9.
- Klein, Francis A., Xenia, Ohio. Autosleigh. 1,687,455; Oct. 9.
- Klein, Frederick, College Point, N. Y. Signal apparatus. 1,675,713; July 3.
- Klein, George S., Granger, Wash. Dispensing apparatus. 1,689,393; Oct. 30.
- Klein, Hans. (See Flemming, W., and Klein.)
- Klein, Hugo, and P. Kuhn, Niederschelden-Sieg, Germany. Gridwork for air heaters. 1,682,131; Aug. 28.
- Klein, Hugo L., Chicago, Ill., assignor, by mesne assignments, to Mississippi Glass Company, New York, N. Y. Windshield glass. 1,669,874; May 15.
- Klein, Irving, and S. Hammer, Brooklyn, N. Y., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Fastening device. Re16,858; Jan. 24.
- Klein, James J., New York, N. Y. Combined cigarette and vanity case. 1,692,041; Nov. 20.
- Klein, Joseph. (See Berry, W. G., Klein, and Schmidt.)
- Klein, Joseph W., Los Angeles, Calif. Chromatic scale and solo-note-selecting device for organs and pianos. 1,665,593; Apr. 10.
- Klein, Juan, St. Louis, Mo. Piston-cleaning tool. 1,666,572; Apr. 17.
- Klein, Louis W., Chicago, Ill., assignor to International Combustion Engineering Corporation, New York, N. Y. Traveling-grate stoker. 1,690,863; Nov. 6.
- Klein, Mathias, & Sons. (See Rueckert, Curtis, assignor.)
- Klein, Norman E., Medford, Oreg. Universal curve device. 1,690,540; Nov. 6.
- Klein, Paul, Budapest, Hungary, and A. Healey, Birmingham, England, assignors to The American Anode Incorporated, New York, N. Y. Direct production of rubber goods from rubber dispersions. 1,683,588; Sept. 4.
- Klein, Rudolph, Rochester, assignor, by mesne assignments, to Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic shutter. 1,662,827; Mar. 20.
- Klein, Rudolph, assignor to Ilex Optical Company, Rochester, N. Y. Photographic shutter. 1,678,119; July 24.
- Klein, Samuel, Chicago, Ill. Building construction. 1,679,672; Aug. 7.
- Klein, Steven J., Pittsburgh, Pa. Educational game. 1,674,866; June 26.
- Kleinert, I. B., Rubber Company. (See Guinzburg, George K., assignor.)
- Kleinfeldt, Edward H., New York, N. Y. Wall construction. 1,667,160; Apr. 24.
- Kleinhammer, William H. (See Morehouse, F. B., and Kleinhammer.)
- Kleinhaus, Hugo L., assignor to Charles Cooper & Company, Inc., Newark, N. J. Fungicide. 1,662,462; Mar. 13.
- Kleinlercher, Anthony, Brooklyn, assignor to A. M. Sloss, New York, N. Y. Coffee urn. 1,680,792; Aug. 14.
- Kleinman, Jack, and P. F. Shafran, New York, N. Y. Printing device. 1,672,129; June 5.
- Kleinman, Jacob L., New York, N. Y. Sliding and swinging window. 1,670,157; May 15.
- Kleinman, Jacob L., New York, N. Y. Tennis racket. 1,684,449; Sept. 18.
- Kleinman, Jacob L., New York, N. Y. Top. 1,695,807; Dec. 18.
- Kleinsmith, Frederick, Indianapolis, Ind., assignor to Edward G. Rudd Manufacturing Company, Philadelphia, Pa. Operating means for automobile door latches. Re16,933; Apr. 17.
- Kleis Beverage Company, The, et al. (See Kleis, John, assignor.)
- Kleis, C. E., Company, The, et al. (See Kleis, John, assignor.)
- Kleis, John, assignor of one-half to The Kleis Beverage Company, Ann Arbor, Mich., and one-half to The C. E. Kleis Company, Dubuque, Iowa. Bottle. Des. 76,544; Oct. 9.
- Kleist, Clarence. (See Wertenberger, E. G., and Kleist.)
- Kleitz, William, Albany, N. Y. Concrete-molding apparatus. 1,690,864; Nov. 6.
- Klell, Albert, Cleveland, Ohio. Valve mechanism. 1,672,946; June 12.
- Klement, Charles W., Toronto, Ontario, Canada. Street stop signal for vehicles. 1,696,277; Dec. 25.
- Klemm, Edwin O., Saginaw, Mich. Chair. 1,659,572; Feb. 21.
- Klemm, William W., Chicago, Ill. Scraper for water filters. 1,660,619; Feb. 28.
- Klemperer, Wolfgang, Akron, Ohio, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Tensiometer. 1,694,509; Dec. 11.
- Klems, Albert A., Detroit, Mich., assignor to F. W. Harris, Los Angeles, Calif. Grease gun. 1,659,204; Feb. 14.
- Klepcko, Ernest. (See Morrow, B. S., and Klepcko.)
- Klepfer, Solomon, Indianapolis, Ind. Metal card. 1,681,411; Aug. 21.
- Klett Manufacturing Company. (See Klett, Robert E., assignor.)
- Klett, Robert E., Teaneck, N. J., assignor to Klett Manufacturing Company, Inc., New York, N. Y. Colorimeter. 1,667,478; Apr. 24.
- Klie, Frank H., Chicago, Ill. Folding fan. 1,655,229; Jan. 3.
- Kliegl Bros. Universal Electric Stage Lighting Co. (See Kliegl, John H., assignor.)
- Kliegl, John H., New York, N. Y. Music stand. Des. 76,755; Oct. 30.
- Kliegl, John H., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Spotlight. 1,679,361; Aug. 7.
- Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
- Klimek, August, Chicago, Ill. Brake meter. 1,690,121; Nov. 6.
- Klimek, Gustav A., East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y. Hydraulic-power transmitter. 1,689,244; Oct. 30.
- Klimek, Gustav A., East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y. Power transmitter. 1,689,245; Oct. 30.
- Klimowicz, Paul, Stevens Point, Wis. Character-mounting stick for changeable signs. 1,686,160; Oct. 2.
- Klinch Latch Corporation. (See Strand, Joseph, assignor.)
- Kline, Arthur L., and C. F. Clark, Detroit, Mich., assignors, by mesne assignments, to Pratt & Whitney Company, New York, N. Y. Grinding machine. 1,674,973; June 26.
- Kline, David A. (See Puckett, William H., assignor.)
- Kline, Fred J., Bayville, N. Y. Fastener. 1,653,052; Feb. 7.
- Kline, Fred J., New York, N. Y. Paper-filing device. 1,665,705; Apr. 10.
- Kline, Fred J., Bayville, N. Y. Lock for paper fasteners. 1,669,830; May 15.
- Kline, Fred J., Long Island City, N. Y. Lock for paper fasteners. 1,690,230; Nov. 6.
- Kline, Fred J., New York, N. Y. Paper-perforating device. 1,692,779; Nov. 20.
- Kline, Fred J., Bayville, N. Y. Lock for paper fasteners. 1,692,780; Nov. 20.
- Kline, Hayden B. (See Niederhauser, F. C., and Kline.)
- Kline, Henry. (See Shultz, John L., assignor.)
- Kline, Louis S., Youngstown, Ohio. Wheel attachment. 1,682,618; Aug. 28.
- Kline, Morris, assignor to The Light House Rug Co., Chicago, Ill. Rug. 1,675,112; June 26.
- Kling Bros. Engineering Works. (See Schmidt, J. E., and McArthur, assignors.)
- Kling, Fred E., Youngstown, and C. E. Malley, Springfield, Ohio. Furnace damper. 1,678,342; July 24.
- Klingelhöffer, Reinhard, Werden-Ruhr, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Condensing locomotive. 1,670,968; May 22.
- Klingenberg, Herman, Fitchburg, Mass. Floor-brush attachment. 1,694,327; Dec. 4.
- Klingensmith, Harry A. (See Pirrone, Antonino L. M., assignor.)
- Klingensmith, Harvey W., Reynoldsville, Pa. Combined ironing board and table. 1,667,665; Apr. 24.
- Klinger, James D., Detroit, Mich. Agent for cleaning and imparting rust-inhibitive properties to steel. 1,695,430; Dec. 18.
- Klinger, James D., and C. L. Boyle, Detroit, Mich. Preparation for cleaning metal preparatory to painting. 1,665,465; Apr. 10.
- Klingman, Walter F. (See Duff, B., and Klingman.)
- Klipstein, E. C., & Sons Company. (See Stone, H. G., and Jacobson, assignors.)
- Klipstein, Louis F., and J. U. Barr, New Orleans, La. Mop-wiring machine. 1,675,220; June 26.
- Kliss, Charles J., Scranton, Pa. Pipe joint. 1,675,808; July 3.
- Klock, Raymond A., Rockaway Beach, and T. B. Entz, Brooklyn, N. Y., assignors, by mesne assignments, to Gould Storage Battery Company, Inc. Storage battery. 1,675,978; July 3.

- Klocke, William H. (See Gersman, H. M., and Klocke.)
 Klocke, William H., Woodhaven, N. Y., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making lined bearings. 1,691,073; Nov. 13.
 Klob, Herman, Trimble, assignor of one-half to G. W. Rose, Gloucester, Ohio. Safety buttonhook. 1,658,343; Feb. 7.
 Klobe, Joseph, New York, N. Y. Mitering and cutting machine. 1,675,563; July 3.
 Kloneck, August J., New York, N. Y. Signaling by high-frequency currents. 1,680,554; Aug. 14.
 Klonne, Aug. (See Schürmann, Friedrich, assignor.)
 Kloos, Samuel, Alliance, Ohio. Automobile signal. 1,687,456; Oct. 9.
 Klooz, Louis F., and M. F. Hatcher, Pittsburgh, Pa. Window fastener. 1,695,108; Dec. 11.
 Klopstein, Ernest, Chicago, assignor to Woodruff & Edwards Co., Elgin, Ill. Lamp bracket. Des. 74,570; Feb. 28.
 Klopman, Lee, et al. (See Csanyi, Henry, assignor.)
 Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Educational apparatus. 1,662,272; Mar. 13.
 Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. McLeod-type pressure gauge. 1,666,743; Apr. 17.
 Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Vacuum oven. 1,683,359; Sept. 4.
 Klosowski, Zenon, Warsaw, Poland. Press plate for rail asphlates. 1,660,875; Feb. 28.
 Kloss, Ernst, Falkensee, near Spandau, Germany, assignor to Westinghouse Electric & Manufacturing Company. Variable-speed set. 1,680,419; Aug. 14.
 Klotz, Alfred, Munich, Germany. Electric-heat applicator. 1,686,865; Oct. 9.
 Klous, Edward J., Brookline, Mass. Attachment for electric-light switches. 1,670,453; May 22.
 Kluck, John J., Mackin, Saskatchewan, Canada. Binding machine. 1,680,888; Aug. 14.
 Kluck, John J., Mackin, Saskatchewan, Canada. Binding machine. 1,680,889; Aug. 14.
 Kluffinger, Hermann, Kempen, Germany. Drawing frame. 1,694,510; Dec. 11.
 Klug, Louis E., assignor to Rub-Tex Products, Inc., Indianapolis, Ind. Reinforced-rubber jar. 1,670,158; May 15.
 Kluge, Abel and E., assignors, by mesne assignments, to Brandtjen & Kluge, Incorporated, St. Paul, Minn. Feeding magazine for printing presses. 1,693,986; Dec. 4.
 Kluge, Abel and E., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn. Stock-feeding magazine for printing presses. 1,694,015; Dec. 4.
 Kluge, Eneval. (See Kluge, Abel and E.)
 Klugh, Bethune G., Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Collecting phosphoric acid. 1,659,146; Feb. 14.
 Klugh, Bethune G., Chicago, Ill., assignor to American Ore Reclamation Company, New York, N. Y. Sintering machine. 1,690,231; Nov. 6.
 Klumpp, Gottlob, New York, N. Y. Electric cooking, baking, and frying apparatus. 1,673,333; June 12.
 Kluppel, John L., assignor to Portable Rotary Rig Company, Houston, Tex. Proportional gas and air mixing device. 1,667,072; Apr. 24.
 Kluse, Peter G., Los Angeles, Calif. Aeroplane. 1,696,404; Dec. 25.
 Klyce, William H., Flint, Mich. Telescopic hose coupling. 1,691,816; Nov. 13.
 Klyver, Albert N., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,655,467; Jan. 10.
 Kmentt, Cornel, Youngstown, Ohio. Making warplest tire fabrics in continuous rolls. 1,661,184; Mar. 6.
 Kmentt, Waldemar D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Automatic classifying device. 1,690,171; Nov. 6.
 Kmentt, Waldemar D., and H. E. Waner, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Automatic classifying device. 1,656,330; Jan. 17.
 Knab, Hermann, Nuremberg, Germany, assignor of one-half to G. Weidmann-Meier, Zurich, Switzerland. Differential gear for self-propelled vehicles. 1,689,285; Oct. 30.
 Knab, Max, Brooklyn, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle cock. 1,670,412; May 22.
 Knap, Thomas S., Brookline, Mass., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,654,688; Jan. 3.
 Knap, Thomas S., East Orange, N. J., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,654,689; Jan. 3.
 Knapé, Charles N. F., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air-brake mechanism. 1,665,928; Apr. 10.
 Knapien, Achille, Brussels, Belgium. System of vertical differential ventilation. 1,689,246; Oct. 30.
 Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Automobile radiator. Des. 77,102; Dec. 4.
 Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Fastener. 1,661,537; Mar. 6.
 Knapp, Bernard. (See Adair, S. E., and Knapp.)
 Knapp, Bernard. (See Coburn, J. M., and Knapp.)
 Knapp Brothers Manufacturing Company. (See Knapp, George A., assignor.)
 Knapp Brothers Manufacturing Co. (See Peck, P. D., and Thomas, assignors.)
 Knapp Brothers Manufacturing Company. (See Thomas, Wingate S., assignor.)
 Knapp, Charles, Sherman, Tex. Timer. 1,673,516; June 12.
 Knapp, Chas. T. (See Mawson, John, assignor.)
 Knapp, Clarence M., Cicero, Ind. Rail anchor. 1,658,991; Feb. 14.
 Knapp, Clayton W., Cleveland, Ohio. Sachet device. Des. 77,243; Dec. 18.
 Knapp, Clayton W., Cleveland, Ohio. Sachet device. Des. 77,244; Dec. 18.
 Knapp, Edward J. (See O'Neill, Edward J., assignor.)
 Knapp Electric Corporation. (See Yessler, G. Fred, assignor.)
 Knapp, George A., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Metal trim for windows. 1,674,439; June 19.
 Knapp, Herbert J., Akron, Ohio. Bathing suit. 1,672,762; June 5.
 Knapp, Herbert J., Akron, Ohio. Bathing suit. 1,672,763; June 5.
 Knapp, Horace G., et al. (See Flood, George A., assignor.)
 Knapp, James H., Company. (See Knapp, James H., assignor.)
 Knapp, James H., assignor to James H. Knapp Company, Los Angeles, Calif. Electric heater. 1,684,450; Sept. 18.
 Knapp, James H., Los Angeles, Calif., assignor to Tate Jones & Company, Incorporated, Pittsburgh, Pa. Calcining furnace. 1,686,565; Oct. 9.
 Knapp, Kenneth V. (See Robinson, F. W., and Knapp.)
 Knapp, Merritt A., Rosalia, Wash. Hydraulic transmission mechanism. 1,665,743; Apr. 10.
 Knapp, Otto, New York, N. Y. Umbrella. 1,659,738; Feb. 21.
 Knapp, Paul, Woodbury, N. J. Resinous material and making same. 1,696,490; Dec. 25.
 Knapp, Ray, Buffalo, N. Y. Mixer. 1,682,970; Sept. 4.
 Knapp, Raymond S., New York, N. Y. Dispensing receptacle for cigarettes and similar articles. Des. 75,163; May 15.
 Knapp, Raymond S., New York, N. Y. Pocket lighter. Des. 75,629; June 26.
 Knapp, Raymond S., New York, N. Y. Body for cigar and cigarette lighters. Des. 77,009; Nov. 27.
 Knapp, Robert I., et al. (See Flood, George A., assignor.)
 Knapp, Robert W., Chester, Ill. Rat or mouse trap. 1,689,529; Oct. 30.
 Knapp, Walter H., assignor to The Wilder-Strong Implementation Company, Monroe, Mich. Pavement felt holder. 1,664,037; Mar. 27.
 Knappe, Paul A., Santa Rosa, Calif. Combined hammock seat and frame. Des. 77,242; Dec. 18.
 Knappe, Paul A., Santa Rosa, Calif. Hammock. 1,665,553; Apr. 10.
 Knappe, Paul A., Santa Rosa, Calif. Hammock frame. 1,675,221; June 26.
 Knaster, Leon, Union City, N. J. Home desk. 1,663,377; Mar. 20.
 Knaster, Leon, Union City, N. J. Cabinet desk. 1,692,665; Nov. 20.
 Knauf, Paul W., Cynwyd, assignor to Schutte and Koerting Company, Philadelphia, Pa. Emergency closing means for boiler nonreturn valves. 1,658,445; Feb. 7.
 Knauf, Paul W., Cynwyd, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa. Gate valve. 1,692,177; Nov. 20.
 Knauff, George C., Chicago, Ill. Portable electric lamp. 1,690,491; Nov. 6.
 Knaus, Peter J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Grinding and polishing apparatus. 1,678,732; July 31.
 Knauss, Edward, Florin, Calif., assignor to K. P. Products Co. Inc., New York, N. Y. Governor for internal-combustion motors. 1,670,364; May 22.
 Knauss, Edward, Florin, Calif., and H. G. Adler, Brooklyn, assignors to K. P. Products Co. Inc., New York, N. Y. Governor for internal-combustion engines. 1,670,365; May 22.
 Knauss, Strickland L., and I. P. Pedrick, assignors to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 1,683,784; Sept. 11.
 Knecht, Oscar, Binningen, near Basel, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. 2-amino-4-nitrophenoxyethanol and producing the same. 1,669,764; May 15.
 Knecht, Oscar, Binningen, near Basel, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. 2-amino-4-nitrophenoxypropandiol and producing same. 1,670,969; May 22.
 Knecht, Oskar, and Hans Brätsch, assignors to Society "Chemical Works formerly Sandoz" Basel, Switzerland. Manufacture of trisazoic coloring matters. 1,676,562; July 10.
 Kneher Muller Company. (See Muller, Otto, assignor.)
 Kneidl, Hans, Munich, Germany. Milling machine having crank drive and automatic feed. 1,670,413; May 22.
 Knell, Benjamin F., Philadelphia, Pa. Music rack or support. 1,680,169; Feb. 21.

- Knesch, Adolph, Rule, Tex. Lock and latch. 1,685,708; Sept. 25.
- Kness, Austin E., Audubon, Iowa. Pruning saw. 1,674,206; June 19.
- Knickerbocker Case Company. (See Labadie, H. H., and Beers, assignors.)
- Knieriem, John, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture plate or analogous article. Des. 74,377; Feb. 7.
- Knieriem, John, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting fixture backplate or analogous article. Des. 75,125; May 8.
- Knieriem, John, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Body for lighting fixtures or articles of analogous nature. Des. 75,126; May 8.
- Knieriem, John, Glendale, assignor to H. Hilfman, New York, N. Y. Panel for lighting fixtures or similar articles. Des. 75,434; June 5.
- Knieriem, John, Glendale, assignor to H. Hilfman, New York, N. Y. Arm for lighting fixtures or similar articles. Des. 75,435; June 5.
- Knieriem, John, Glendale, assignor to H. Hilfman, New York, N. Y. Post for lighting fixtures or similar articles. Des. 75,436; June 5.
- Knieriem, John, assignor to H. Hilfman, New York, N. Y. Chandelier. Des. 75,570; June 19.
- Knieriem, George, Atco, N. J. Alcohol lamp. 1,664,077; Mar. 27.
- Kniesner, William T., New York, N. Y., assignor to The Safety Car Heating & Lighting Company. Storage-battery-charging system. 1,680,947; Aug. 14.
- Knight, Albert B., Fairmont, W. Va. Charge-forming device. 1,667,074; Apr. 24.
- Knight, Charles Y., Pasadena, Calif., assignor to Knight & Kilbourne Development Co., Chicago, Ill. Device for holding piston pins tight. 1,659,979; Feb. 21.
- Knight, Charles Y., Pasadena, Calif., assignor to The Willys-Overland Company, Toledo, Ohio. Adjustable transmission gear. 1,689,730; Oct. 30.
- Knight Company, The. (See Ramazzotti, Daniel V., assignor.)
- Knight, Earle R., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Manufacturing dynamo-electric machines. 1,661,135; Feb. 28.
- Knight, Edward R., Carson City, Nev., assignor, by mesne assignments, to Mitchell Specialty Company, Philadelphia, Pa. Automobile theft lock. Re1,645; Apr. 24.
- Knight, George E., Sacramento, Calif. Pipe wrench. 1,688,931; Oct. 23.
- Knight, George H., assignor to The Hendey Machine Company, Torrington, Conn. Adjustable machine-table support. 1,681,412; Aug. 21.
- Knight, Henry de B., Rugby, England, assignor to General Electric Company. Regulation of electric distribution systems. 1,654,937; Jan. 3.
- Knight, Henry de B., Rugby, England, assignor to General Electric Company. Regulation of electric distribution systems. 1,654,979; Jan. 3.
- Knight, Herbert M., Montclair, N. J. Pavement. 1,660,421; Feb. 28.
- Knight, Herbert M., Montclair, N. J. Tidal hydraulic air compressor. 1,690,787; Nov. 6.
- Knight, Herschel S., Indianapolis, Ind. Combined fuel vaporizer and auxiliary air-inlet device. 1,680,152; Aug. 7.
- Knight, James M., San Antonio, Tex. Door fastener. 1,676,335; July 10.
- Knight & Kilbourne Development Co. (See Knight, Charles Y., assignor.)
- Knight, Montgomery, Holyoke, Mass., assignor to Westinghouse Electric and Manufacturing Company. Temperature-compensating device. 1,689,785; Oct. 30.
- Knight, William D. (See Cameron, Angus, assignor.)
- Kniskern, Floyd B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Selective overload trip relay. 1,658,926; Feb. 14.
- Kniskern, Walter H., Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Utilizing the energy of liquids under pressure containing gases. 1,654,889; Jan. 3.
- Kniskern, Walter H., Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Valve. 1,658,292; Feb. 7.
- Kniskern, Walter H., Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Treating gases bearing gaseous synthetic ammonia. 1,690,585; Nov. 6.
- Knisley, Harry M., C. A. Creswell, and H. F. Messer, Lancaster, Pa. Headlight-shifting mechanism. 1,683,556; Sept. 4.
- Kniznik, David S., Providence, R. I. Automatic time-controlled switch. 1,673,049; June 12.
- Knobel, Eugen. (See Knobel, Reinhard and E.)
- Knobel, Frederic X. (See Hill, Roscoe, G., assignor.)
- Knobel, Reinhard and E., St. Gall, Switzerland, assignors to C. Walter, Cernay, Haut Rhin, France. Power loom. 1,692,307; Nov. 20.
- Knoblock, Phillip J., Passaic, N. J. Suspension-chain coupling. 1,683,904; Sept. 11.
- Knoderer, Homer G., Englewood, N. J., assignor to General Electric Company. Outlet or junction box. 1,672,683; June 5.
- Knoppel, Frank, assignor to The Champion No-Lead Paper Dish Company, Toledo, Ohio. Carton charger. 1,662,273; Mar. 13.
- Knoll, William J., assignor to H. B. Rouse & Company, Chicago, Ill. Beveling machine. 1,676,336; July 10.
- Knoller, Erich, Vienna, Austria. Friction gear. 1,655,503; Jan. 10.
- Knopp, John H. W., Highland Park, Pa. Metal feeder for linotype machines. 1,660,268; Feb. 21.
- Knopp, William A., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,673,008; June 12.
- Knopf, Carl, Hamburg, Germany. Production of waterproof textile material, paper, and the like. 1,683,470; Sept. 4.
- Knopp, Ernst. (See Zenneck, J., and Knopp.)
- Knopp, Henry. (See Woerfel, R. A., and Knopp.)
- Knopp, Otto A., Oakland, Calif. Heater controller. 1,696,684; Dec. 25.
- Knorpp Candy Company. (See Knorpp, William W., assignor.)
- Knorpp, William W., Brooklyn, assignor to Knorpp Candy Company, New York, N. Y. Marshmallow candy. Des. 76,942; Nov. 20.
- Knorr, Angelo, Berlin, and G. Steimmig, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of dioxan. 1,681,861; Aug. 21.
- Knorr, Samuel N., Lagrange, Wyo. Electric-lighting fixture. Des. 76,194; Aug. 28.
- Knoth, George W. F. F., Hamburg, Germany. Obtaining alkaloids. 1,686,866; Oct. 9.
- Knott, Admiral S., Columbus, Ohio. Automatic advertising projecting and display apparatus. 1,679,311; July 31.
- Knott, Emmet K. (See Edblom, L. A., and Knott.)
- Knott, Frank W., and B. Garlius, Detroit, Mich. Massaging machine. 1,693,300; Nov. 27.
- Knott, Harry H., Washington, Iowa. Chuck-positioning device and drill guide for drilling machines. 1,693,904; Dec. 4.
- Knotwell, Glenn R. (See Skelton, E. W., and Knotwell.)
- Knowland, Thomas M. (See Glidden, A. A., and Knowland.)
- Knowland, Thomas M. (See Glidden, A. A., Knowland, and Rich.)
- Knowles, Arthur F., Upper Montclair, N. J. Ventilating device. 1,679,773; Aug. 7.
- Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Multiple-cylinder grinder. 1,656,331; Jan. 17.
- Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Table-actuating mechanism for multiple-cylinder grinding machines. 1,656,332; Jan. 17.
- Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Flexible connection. 1,659,270; Feb. 14.
- Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Size indicator for surface grinders. 1,664,823; Apr. 3.
- Knowles, Carroll, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear grinder. 1,678,293; July 24.
- Knowles, Edwin M., (See Irwin, Dewitt D., assignor.)
- Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Forming material. 1,657,015; Jan. 24.
- Knowlton, Cutler D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling mechanism. 1,679,362; Aug. 7.
- Knowlton, Eugene W., Buffalo, N. Y. Sanitary meat grinder. 1,675,809; July 3.
- Knowlton, Eugene W., assignor to John E. Smith's Sons Co., Buffalo, N. Y. Meat and food grinder. 1,683,679; Sept. 11.
- Knowlton, Eugene W., assignor to John E. Smith's Sons Co., Buffalo, N. Y. Meat-cutting machine. 1,692,844; Nov. 27.
- Knowlton, John A., trustee. (See Knowlton, John A., assignor.)
- Knowlton, John A., Dorchester, assignor to said Knowlton, trustee for Universal Tide Power Co., Boston, Mass. System for developing power from tides. 1,695,733; Dec. 18.
- Knowlton, M. D., Company. (See Feeley, Frank G., assignor.)
- Knowlton, M. D., Company. (See Pearsall, Chester B., assignor.)
- Knowlton, M. D., Company. (See Seymour, Charles R., assignor.)
- Knowlton, M. D., Company. (See Steegmuller, Joseph F., assignor.)
- Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,671,430; May 29.
- Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. 1,694,445; Dec. 11.
- Knowlton, William A., Dorchester, Mass. Grate. 1,677,787; July 17.
- Knox, Harry A., Davenport, Iowa. Suspension for vehicles. 1,673,875; June 19.
- Knox, Harry A., Davenport, Iowa. Double-radius-controlled differential. 1,679,610; Aug. 7.
- Knox, Harry A., Davenport, Iowa. Fighting tank. 1,696,439; Dec. 25.

- Knox, Harry A., and B. F. Baker, Davenport, Iowa. Ventilating system for vehicles of the type known as tanks. 1,680,269; Feb. 21.
- Knox, Harry A., and B. F. Baker, Davenport, Iowa. Flexible track for tracklaying vehicles. 1,680,624; Aug. 14.
- Knox, Luther L., assignor to Knox Products Company, Pittsburgh, Pa. Compound wall structure. 1,676,094; July 3.
- Knox Products Company. (See Knox, Luther L., assignor.)
- Knox Terpezone Company, et al. (See Bagnall, Ernest J., assignor.)
- Knox Terpezone Company of America, Inc., et al. (See Bagnall, Ernest J., assignor.)
- Knox, William J., Owego, N. Y. Marking device for shoe parts and the like. 1,670,511; May 22.
- Knoxville Glove Company. (See Kyle, Arch, assignor.)
- Knudsen, Carl H., Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del. Work-piece-supporting fixture for turning machines. 1,666,292; Apr. 17.
- Knudsen, Joachim R. M. (See Boeck, Peter M., assignor.)
- Knudsen, Joachim R. M. (See Yeager, Fay A., assignor.)
- Knudsen Motor Corporation, The. (See Knudsen, Carl H., assignor.)
- Knudsen, William S., assignor to General Motors Corporation, Detroit, Mich. Steering-column support. 1,675,610; July 3.
- Knudsen, William S., assignor to General Motors Corporation, Detroit, Mich. Apparatus for cutting valve stems. 1,679,977; Aug. 7.
- Knudson, Joachim R. M. (See Yeager, Fay A., assignor.)
- Knudstrup, Martin, St. Clair, Mich. Steam trap. 1,657,679; Jan. 31.
- Knutson, George W., Arlington, S. Dak. Automobile windshield cleaner. 1,679,576; Aug. 7.
- Kny-Scheerer Corporation, The. (See Schimpff, Louis W. H., assignor.)
- Kny-Scheerer Corporation of America, The. (See Akers, Herbert S., assignor.)
- Kny-Scheerer Corporation of America, The. (See Dennis, Hugh, assignor.)
- Kny-Scheerer Corporation of America, The. (See Gallowitz, Gustave A., assignor.)
- Kny-Scheerer Corporation of America. (See Peters, Hans M. T., assignor.)
- Kny-Scheerer Corporation, The. (See Stoye, Kurt, assignor.)
- Kobash, Louis, Maple Shade, N. J. Ice-can-submerging device. 1,688,815; Oct. 23.
- Kobbé, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Colored sulphur. 1,655,504; Jan. 10.
- Kobbé, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Article made of fibrous material and producing same. 1,689,394; Oct. 30.
- Kobbé, William H., New York, assignor to Fleuron, Inc., North Tonawanda, N. Y. Sulphur-silica composition. 1,693,714; Dec. 4.
- Kobbé, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Hardened plaster product. 1,693,715; Dec. 4.
- Kobbé, William H., New York, N. Y., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Plaster board and the like. 1,693,716; Dec. 4.
- Kobe, Inc. (See Coberly, Clarence J., assignor.)
- Kober, Philip A., Evanston, assignor to G. D. Searle & Co., Chicago, Ill. Making bismuth tartrates and product produced thereby. 1,663,201; Mar. 20.
- Kobert, Frank P., Amityville, N. Y. Electric riveting. 1,691,522; Nov. 13.
- Kobiolke, Adolf M., Gilderoy, Victoria, Australia. Treatment of timber for the destruction of the borer, larvae, beetles, or other pest. 1,672,326; June 5.
- Kobis, Carl, Berlin, Germany. Grinding machine for twist drills. 1,662,521; Mar. 13.
- Koch, Aloys, assignor to the firm of Perliner Stickmaschinenfabrik Shrimmer, Blau & Co. G. m. b. M., Berlin, Germany. Combined guiding and feeding device for crank embroidery machines and the like. 1,677,559; July 17.
- Koch, Earl L., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Treating tubes. 1,670,892; May 22.
- Koch, Earl L., Pittsburgh, assignor to F. S. McCullough, Wilkinsburg, Pa. Radiotube and operating same. 1,677,896; July 24.
- Koch, Fred, Brooklyn, assignor to The Sanitation Corporation, New York, N. Y. Catch basin. 1,675,714; July 3.
- Koch, Fred C. (See Winkler, L. E., and Koch.)
- Koch, Fritz, Geneva, Switzerland, assignor to The International Sugar and Alcohol Company, Limited, London, England. Removing hydrochloric acid from sugar solutions. 1,678,819; July 31.
- Koch, Henry, Jamaica, N. Y., assignor to Dictograph Products Corporation. Sound-reproducing device. 1,668,509; May 1.
- Koch, Jacob, Buffalo, N. Y. Shelf strip. 1,685,456; Sept. 25.
- Koch, Jacob M. (See Varner, H. C., and Koch.)
- Koch, Jacob P., assignor of one-half to H. P. Nichols, New York, N. Y. Modified multifocal lens. 1,661,760; Mar. 6.
- Koch, Lydia B., New York, N. Y., assignor to Reinforced Paper Bottle Corporation, Chicago, Ill. Bottle. Des. 77,103; Dec. 4.
- Koch, Lydia B., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Constructing bottle-receptacle elements. 1,685,494; Sept. 25.
- Koch, Paul W., & Company. (See Schreiner, John A., assignor.)
- Koch, Wehrer A., Los Angeles, Calif. Reamer and burr-nishing tool. 1,690,371; Nov. 6.
- Koch, William C., St. Paul, Minn. Display case for brick. 1,676,445; July 10.
- Koch, William F., Camden, N. J. Music-roll tab. 1,665,963; Apr. 10.
- Koch, William H., Oneonta, N. Y. Tie plate. 1,675,178; June 26.
- Koch, William L., Treloar, Mo. Bridle bit. 1,660,490; Feb. 28.
- Kocha, Joseph E., Linden, N. J. Lumber drier. 1,658,684; Feb. 7.
- Kochendorfer, Frederic S., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-working mechanism. 1,677,186; July 17.
- Kochendorfer, Frederic S., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Thread-rolling machine. 1,684,799; Sept. 18.
- Kochendorfer, Frederic S., River Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming articles. 1,696,242; Dec. 25.
- Kochendorfer, Frederic S., River Forest, Ill., and T. A. Gill, Shawinigan Falls, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y. Resistance unit. 1,677,240; July 17.
- Kocher, Rudolph A., Ypsilanti, Mich. Process and apparatus for converting carbohydrates. 1,670,727; May 22.
- Köchy, Friedrich, Kloster-Groningen, near Halberstadt, Germany. Dough-kneading machine. 1,693,582; Nov. 27.
- Kocourek, Henry, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Power-shaft coupling with hand-directed tool. 1,674,400; June 19.
- Kocourek, Henry, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Hand guard for sheep shears. 1,682,759; Sept. 4.
- Kocsis, John, New York, N. Y. Clutch-locking device for tractors. 1,682,574; Aug. 28.
- Kocsis, Louis B., Flint, Mich. Garage. 1,661,123; Feb. 28.
- Kodel Radio Corporation, The. (See Ogden, Clarence E., assignor.)
- Koeb, Emil. (See Goldsmith, B. J., and Koeb.)
- Koechlin, Isaac, assignor to Société Anonyme des Automobiles et Cycles Peugeot, Levallois-Perret, France. Steering-wheel brake. 1,681,348; Aug. 21.
- Koefoed, Günnar. (See Wilming, Valdemar, assignor.)
- Koehler, Albert T., Pontiac, Mich. Electric brazing machine. 1,679,088; July 31.
- Koehler, Gustave, Philadelphia, Pa. Tile cutter. 1,661,897; Mar. 6.
- Koehler Manufacturing Company. (See Albee, W. H., and Davis, assignors.)
- Koehler, Marcel, Paris, France. Lubricating system. 1,665,964; Apr. 10.
- Koehler, Maxemilian E., Washington, D. C. Attachment for ironing boards. 1,658,992; Feb. 14.
- Koehler, William, Cleveland, Ohio. Producing magnesium oxide of high grade. 1,661,043; Feb. 28.
- Koehler, William, Cleveland, Ohio. Production of magnesium oxide. 1,664,630; Apr. 3.
- Koehler, William, Cleveland, Ohio. Production of refractory magnesia compounds. 1,664,631; Apr. 3.
- Koehnemann, Irene, St. Louis, Mo. Sandal. Des. 75,261; May 22.
- Koehring Company. (See Holcomb, Alpheus E., assignor.)
- Koehring Company. (See Kirkham, Joseph E., assignor.)
- Koehring Company. (See Koehring, Philip A., assignor.)
- Koehring Company. (See Lichtenberg, Erich H., assignor.)
- Koehring Company. (See Lichtenberg, E. H., and Webb, assignors.)
- Koehring Company. (See Menningen, Adolph C., assignor.)
- Koehring Company. (See Robb, John F., assignor.)
- Koehring Company. (See Russell, Leslie A., assignor.)
- Koehring Company. (See Webb, George E., assignor.)
- Koehring, Philip A., assignor to Koehring Company, Milwaukee, Wis. Worm-drive mixing machine. 1,662,274; Mar. 13.
- Koeker, Carl H., Dayton, Ohio. Mop holder. 1,664,824; 1,671,193; May 29.
- Koelbel, Joseph J., Baldwin, N. Y. Loader. 1,694,344; Dec. 4.
- Koelbeck, Carl W. A., Pittsburgh, Pa. Chain. 1,658,602; Feb. 7.
- Koelbeck, Carl W. A., Pittsburgh, Pa. Method of and apparatus for the manufacture of structural shapes. 1,693,987; Dec. 4.
- Koeln, George R. (See Duemler, V. E., and Koeln.)
- Koenemann, Ernst, Berlin, Germany. Steam and other vapor power plant utilizing caustic soda or other auxiliary fluids. 1,687,941; Oct. 16.

- Koenig, Elwin O., and G. W. Brautigam, Philadelphia, Pa. Air pump. 1,665,965; Apr. 10.
- Koenig, Henry T., Denver, Colo. Roasting vanadiferous ores and compounds. 1,654,820; Jan. 3.
- Koenig, Jacob. (See Kaim, Edmund, assignor.)
- Koenig, Joseph, Manitowoc, Wis. Heater for hot-air engines. 1,678,396; July 24.
- Koenig, Joseph, Manitowoc, assignor, to Metal Ware Corporation, Two Rivers, Wis. Toy electric engine. 1,678,397; July 24.
- Koenig, Lloyd R., St. Louis, Mo. Gyroscopic speed indicator. 1,692,412; Nov. 20.
- Koenig, Robert H., Haddon Heights, N. J., assignor to Ruth Glass Company, Conshohocken, Pa. Machine for forming glass vials. 1,688,190; Oct. 16.
- Koenig, Walter, jr., New York, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for computation. 1,678,674; July 31.
- Koeniger, Karl W., Orange, N. J., assignor, to The Turner Tanning Machinery Company, Portland, Me. Hide setting-out and oiling machine. 1,695,963; Dec. 18.
- Koenigkramer, Frank, Cincinnati, Ohio. Hydraulic lift. Apr. 3.
- Koenigsberg, Kurt, Seattle, Wash. Direction indicator. 1,689,786; Oct. 30.
- Koenigsberger, Johann, Freiburg, Germany. Measuring instrument. 1,684,229; Sept. 11.
- Koepf, Henry E., Fort Wayne, Ind. Lawn sprinkler. 1,657,538; Jan. 31.
- Koeppler, Albert C., Chicago, assignor of one-half to E. W. Bradlow, La Grange, Ill. Indicator switch for radio circuits. 1,673,876; June 19.
- Koerner, Alvin J., Freeman, S. Dak. Hog-oiling device. 1,677,560; July 17.
- Koerner, Ewald, Dresden, Germany, assignor to United Cigarette Machine Co. Inc., Lynchburg, Va. Throw-out mechanism for cigarette-packing machines. 1,680,023; Aug. 7.
- Koerner, Ewald, Dresden, Germany, assignor to United Cigarette Machine Co., Inc., Lynchburg, Va. Machine for packing cigarettes and like articles. 1,680,024; Aug. 7.
- Koester, Archibald C. (See Clark, Alfred B., assignor.)
- Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Chart drive roll for strip-recording apparatus. 1,667,479; Apr. 24.
- Koester, Walter, New York, N. Y. Massage apparatus. 1,663,167; Mar. 20.
- Koff, Samuel, New York, N. Y. Box. 1,675,414; July 3.
- Kogler, Albert P. (See Kogler, Elsa S. and A. P.)
- Kogler, Elsa S. and A. P., San Francisco, Calif. Combination strainer and container. 1,675,855; July 3.
- Kogler, Elsa S. and A. P., San Francisco, Calif. Sanitary brush. 1,685,828; Sept. 25.
- Kohani, John, Bennington, Vt. End plate for shipping tubes. 1,670,454; May 22.
- Kohl, George, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Mold for casting metals. 1,679,864; Aug. 7.
- Kohl, Richard W., Cumberland, Md., assignor to Jacler Perfumers, Inc., New York, N. Y. Bottle or like container. Des. 74,677; Mar. 13.
- Kohl, Wesley G., Iowa, City, Iowa. Poultry-record calendar. 1,683,140; Sept. 4.
- Kohlberger, Frank, Whitestone, assignor to International Motor Company, New York, N. Y. Windshield. 1,668,682; May 8.
- Köhlen, Josef, Herne, Germany. Rock drill. 1,678,985; July 31.
- Köhlen, Josef, Herne, Germany. Percussive pneumatic tool. 1,689,731; Oct. 30.
- Kohlenscheidungs-Gesellschaft m. b. H. (See Cantieny, Georg., assignor.)
- Kohler, Arthur G., New Rochelle, N. Y. Dishwashing machine. 1,686,456; Oct. 2.
- Kohler, August F. H., and A. S. Speer, Buffalo, N. Y., assignors, by mesne assignments, to United States Gypsum Company, Chicago, Ill. Plaster board. 1,673,944; June 19.
- Kohler, Claude S. and M. N., New Orleans, La. Union overalls. 1,686,411; Oct. 2.
- Kohler Company. (See Brotz, Anton F., assignor.)
- Kohler Company. (See Brotz, Frank G., assignor.)
- Kohler Company. (See Witzel, Earl R., assignor.)
- Köhler, Heinrich, Hamburg, Germany. Fountain pen. 1,689,142; Oct. 23.
- Kohler, John F., Larchmont Manor, N. Y. Removing shells from nuts. 1,694,182; Dec. 4.
- Köhler, Max, Limbach, Germany. Work guide for over-seaming machines. 1,679,363; Aug. 7.
- Köhler, Max, Limbach, Germany. Circular looper. 1,679,428; Aug. 7.
- Köhler, Max N. (See Kohler, Claude S. and M. N.)
- Kohler, Robert W., Tekamah, Neb. Check board and pencil holder. 1,681,862; Aug. 21.
- Kohler, Ulrich, assignor to Hasler A-G, vormals Telegraphenwerkstätte von G. Hasler, Bern, Switzerland. Inking mechanism of machines for franking postal matter and the like. 1,665,884; Apr. 10.
- Kohlhaas Company, The. (See Thometz, Mathias A., assignor.)
- Kohlhaas, George N., Elmira, N. Y. Micrometer. 1,695,336; Dec. 18.
- Kohlmann, Clarence E., San Francisco, Calif. Gas-valve lock. 1,671,594; May 29.
- Kohls, Anton. (See Kohls, Frank and A.)
- Kohls, Frank and A., Clermont, Iowa. Thrashing-machine hood attachment. 1,657,403; Jan. 24.
- Kohman, Henry A., Pittsburgh, Pa. Manufacture of bread. 1,655,707; Jan. 10.
- Kohman, Henry A., R. Irvin, and E. S. Stateler, Pittsburgh, Pa., assignor, by mesne assignments, to Fleischmann Company, New York, N. Y. Production of enzymes for use in the manufacture of bread. 1,676,446; July 10.
- Kohn, Ignatius, and F. Saghy, New York, N. Y. Portable cooling and heating device for vehicles. 1,673,149; June 12.
- Kohn, Koby, New York, N. Y. Safety toy torpedo. 1,669,091; May 8.
- Kohn, Koby, New York, N. Y. Toy torpedo. 1,670,813; May 22.
- Kohn, Koby, New York, N. Y. Safety torpedo. 1,670,814; May 22.
- Kohn, Koby, New York, N. Y. Toy torpedo. 1,672,460; June 5.
- Kohn, Koby, New York, N. Y. Toy torpedo. 1,677,034; July 10.
- Kohn, Koby, New York, N. Y. Toy torpedo. 1,677,035; July 10.
- Kohn, Milton M., New York, N. Y. Apparatus for producing dentures. 1,683,978; Sept. 11.
- Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Ticket or tag attaching machine. 1,667,810; May 1.
- Kohnle, Frederick, assignor to The Monarch Marking System, Dayton, Ohio. Price tag. 1,669,390; May 8.
- Kohr, Samuel M., Manchester, Pa. Ear-cleaning device. 1,672,816; June 5.
- Kohsick, John H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire. Des. 76,617; Oct. 16.
- Kohsick, John H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire. Des. 76,875; Nov. 13.
- Kohut, Michael, Elmhurst, assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Metal window. 1,679,089; July 31.
- Koizumi, Masutaro, Prosser, Wash. Toy game target. 1,692,042; Nov. 20.
- Kokatnur, Vaman R. (See Stoddard, W. B., and Kokatnur.)
- Kokatnur, Vaman R., New York, N. Y. Alkali fusion. 1,667,480; Apr. 24.
- Kokemiller, Carl F., Story City, Iowa. Tank gauge. 1,683,557; Sept. 4.
- Kokes, L. V., et al. (See Criner, Harry J., assignor.)
- Kokomo Sanitary Pottery Company. (See Coxon, John B., assignor.)
- Kokomo Steel and Wire Company. (See Porath, Carl A., assignor.)
- Koksma, Frank M., assignor of one-fourth to C. D. Jones, Downs, and one-fourth to A. J. Wandt, Osborne, Kans. Snow fence. 1,655,318; Jan. 3.
- Kolaczowski, Lukasz, Helmetta, N. J. Toy spring vehicle. 1,693,392; Nov. 27.
- Kolb, George A., Bedford, Ohio. Internal-combustion engine. 1,692,845; Nov. 27.
- Kolb, George F., Fairfield, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Clutch. 1,665,554; Apr. 10.
- Kolberg, Frithjof N., Spencer, S. Dak. Conveyer and sifting-screen apparatus. 1,654,590; Jan. 3.
- Kole, Lessing L., Milwaukee, Wis. Vanity case adapted to separate compacts of contrasting shades. 1,694,946; Dec. 11.
- Kolisch, Paul. (See Aldendorff, Fritz, assignor.)
- Kolitsch, August, Port Alfred, Quebec, Canada. Feed control of paper-making machines and apparatus therefor. 1,695,380; Dec. 18.
- Kolla, John P. (See Nystrom, O. P., and Kolla.)
- Kolla, John P., assignor to Holland Furnace Company, Holland, Mich. Warm-air furnace. 1,688,974; Oct. 23.
- Kolle, Wilhelm, and K. Streitzwolf, Frankfurt-on-the-Main, and A. Fehle, Soden-on-the-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Benzimide-azolon-arsonic acids and preparing the same. 1,674,368; June 19.
- Koller, John, Johnstown, N. Y. Slipper. 1,663,376; Mar. 20.
- Koller, Joseph P. (See Booge, J. D., and Koller.)
- Koller, Joseph P. (See Booge, J. E., Hanahan, and Koller.)
- Koller, Karl, Los Angeles, Calif. Toy. 1,667,123; Apr. 24.
- Kollin, Mano. (See Kalmar, B., and Kollin.)
- Kollman, August J., New York, N. Y. Combined clock and lamp. Des. 75,569; June 19.
- Kollman, Bartley H., and E. R. Phillips, Indianapolis, Ind. Advertising sign. 1,675,357; July 3.
- Kollmann, Hermann, Erlangen, Germany. Spring motor. 1,673,197; June 12.
- Kollmar, Reinhard, assignor to Forstner Chain Corporation, Irvington, N. J. Chain. 1,695,462; Dec. 18.
- Köllner, Josef, Schaffhausen, Switzerland. Feeding bottle for infants. 1,663,342; Mar. 20.
- Kollstede, George, Providence, R. I. Bracelet. 1,658,053; Feb. 7.
- Kolmeier, Walter. (See Pfeil, W., and Kolmeier.)
- Kolody, Andrew, Chicago, Ill. Aeroplane steering device. 1,675,935; July 3.

- Kolodziej, Edward J., Buffalo, N. Y. Shock absorber. 1,667,039; Apr. 24.
- Kolos, Ludwig, Debrecen, Hungary. Gymnastic appliance. 1,660,130; Feb. 21.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Loop antenna. 1,673,249; June 12.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Loud-speaker system. 1,675,031; June 26.
- Kolster, Frederick A., Palo Alto, Calif. Variable condenser. 1,683,558; Sept. 4.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio receiving system. 1,683,080; Sept. 4.
- Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Variable-coupling transformer. 1,683,081; Sept. 4.
- Kolster, Frederick A., and S. A. Sollie, Palo Alto, assignors to Federal Telegraph Company, San Francisco, Calif. Electromagnetic sound reproducer. Re17,086; Sept. 18.
- Kömmeling, Leo G. A., Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,658,993; Feb. 14.
- Kondo, Rennosuke, Tokyo, Japan. Cylinder of an internal-combustion engine. 1,693,520; Nov. 27.
- Kondolf, Henry E., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Making tie elements. 1,690,865; Nov. 6.
- Kondolf, Mathias R., Cynwyd, assignor to Boxboard Products Company, Philadelphia, Pa. Tool for manipulating fasteners for container closures. 1,676,907; July 10.
- Kondolf, Mathias R., Cynwyd, assignor to Boxboard Products Company, Philadelphia, Pa. Container. 1,690,824; Nov. 6.
- Konell, Fred E., Wagner, Wis. Plow wheel. 1,684,833; Sept. 18.
- König, Georg, Berlin-Dahlem, Germany. Measuring the density of gas. 1,664,752; Apr. 3.
- Konigsberg, Joseph H., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Tube finishing and capping machine. 1,679,865; Aug. 7.
- Konigslow, E., Stamping & Tool Company, The. (See Stuhr, Herman F., assignor.)
- Koning, Willem, Eindhoven, Netherlands, assignor to General Electric Company. Automatic soldering device. 1,655,960; Jan. 10.
- Konings, John P. (See Lauwagie, P. F., and Konings.)
- Konkus, Johan, Fords, N. J. Permutation double lock. 1,676,394; July 10.
- Konoff, Alexander, New York, N. Y., assignor to Voices Incorporated, Wilmington, Del. Sounding device for dolls and other toys. 1,675,358; July 3.
- Konoff, Alexander, Brooklyn, N. Y., assignor to Voices Incorporated, Wilmington, Del. Sounding device for dolls and other toys. 1,676,906; July 10.
- Konwiser, Abram L., Newark, and D. Loeser, East Orange, N. J.; said Konwiser assignor to said Loeser. Pneumatic tourniquet. 1,679,978; Aug. 7.
- Koolhoven, Sytse F. W., Rijswijk, Netherlands. Aeroplane with three centers of propulsion arranged in a triangle. 1,679,038; July 31.
- Kools, Bernard, Appleton, Wis. Potato and vegetable cutter. 1,669,092; May 8.
- Koon, Arthur W., Schriever, La. Process and apparatus for drying hay, grain, and the like. 1,667,666; Apr. 24.
- Koonce, Zachary T., and S. M. Mallison, Washington, N. C. Tobacco-curing device. 1,670,263; May 15.
- Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Hydraulic steering gear. 1,692,666; Nov. 20.
- Koontz, A. Brian R. (See Koontz, Albert D. and A. R.)
- Koontz, Albert D., and A. R., deceased, Charleston, W. Va.; C. B. Koontz, executrix, assignors of one-third to C. Lucas, Coupler for mine cars. 1,681,616; Aug. 21.
- Koontz, Clara B., executrix. (See Koontz, Albert D. and A. R.)
- Koop, Arthur H. (See Fink, C. G., and Kopp.)
- Kooperstein, Louis, New York, N. Y. Water-supply faucet attachment. 1,680,353; Aug. 14.
- Kootz, A. C. (See Heller, H., and Mitchell, assignors.)
- Kootz, Arthur C. (See Heller, Hugo, assignor.)
- Kootz, Arthur C. (See Schneider, William H., assignor.)
- Kootz, Arthur C., assignor to Gem Hammock & Fly Net Company, Milwaukee, Wis. Dust mop. 1,662,426; Mar. 13.
- Kopacka, Joseph J. (See Aichinger, F., and Kopacka.)
- Kopatschek, Karl, Berlin-Wilmersdorf, Germany. Alarm clock. 1,663,710; Mar. 27.
- Kopatiz, Erich T. P., Dearborn, Mich. Electric water heater. 1,685,364; Sept. 25, 1928.
- Kopitke, William H., and H. C. Ronfeldt, Toledo, Ohio, assignors, by mesne assignments, to The Fanger Beet Harvester Company. Beet harvester. 1,668,157; May 1.
- Kopke, Ernst, Honolulu, Hawaii. Centrifugal separator. 1,679,829; Aug. 7.
- Kopplitz, Edward B., Hoboken, N. J. Box-cover fastener. 1,682,010; Aug. 28.
- Kopp, Carl A., Sioux City, Iowa. Shears. 1,693,301; Nov. 27.
- Kopp Glass Incorporated. (See Kopp, Nicholas, assignor.)
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass Incorporated, Swissvale, Pa. Lighting-fixture bowl or similar article. Des. 75,630; June 26.
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass Incorporated, Swissvale, Pa. Lighting-fixture bowl or similar article. Des. 75,631; June 26.
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Inc., Swissvale, Pa. Glass vase. Des. 76,245; Sept. 4.
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Incorporated, Swissvale, Pa. Lighting-fixture shade or similar article. Des. 77,319; Dec. 25.
- Kopp, Nicholas, Pittsburgh, assignor to Kopp Glass, Inc., Swissvale, Pa. Light shade or similar article. Des. 77,320; Dec. 25.
- Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Photo-composing machine. 1,682,845; Sept. 4.
- Koppe, Paul. (See Herold, P., and Koppe.)
- Koppe, Paul, Neurossen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Recovery of sulphur from ammonium polysulphide. 1,656,563; Jan. 17.
- Koppel Industrial Car and Equipment Company. (See Schmohl, Alfred C., assignor.)
- Koppel Industrial Car and Equipment Company. (See Schmohl, A. C., and Anderson, assignors.)
- Koppel Industrial Car and Equipment Company. (See Schmohl, A. C., and Burner, assignors.)
- Koppel Industrial Car and Equipment Company. (See Burner, W. L., and Kantenwein, assignors.)
- Koppelman, Morris, and S. Cooper, Brooklyn, N. Y., assignors to Moulded Pulp Devices, Incorporated. Method and apparatus for making packing for fragile articles. 1,661,727; Mar. 6.
- Koppelman, Morris, Brooklyn, N. Y., and W. H. Mapes, Glen Ridge, N. J., assignors to Holed-Tite Packing, Inc., and Mapes Consolidated Manufacturing Company, Wilmington, Del. Egg carrier. 1,690,492; Nov. 6.
- Koppers Company, The. (See Becker, Joseph, assignor.)
- Koppers Company, The. (See Bird, Eugene H., assignor.)
- Koppers Company, The. (See Blackwood, Oswald H., assignor.)
- Koppers Company, The. (See Fulton, Robert R., assignor.)
- Koppers Company, The. (See Huffmann, George, assignor.)
- Koppers Company, The. (See Jones, Irvin H., assignor.)
- Koppers Company, The. (See Parry, Nathaniel G., assignor.)
- Koppers Company, The. (See Puening, Franz, assignor.)
- Koppers Company, The. (See Shaw, Joseph A., assignor.)
- Koppers Company, The. (See Sperr, Frederick W., jr., assignor.)
- Koppers Company, The. (See Sperr, F. W., jr., and Jacobson, assignors.)
- Koppers Company, The. (See van Ackeren, Joseph, assignor.)
- Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)
- Koppers, Hans H., Essen-Ruhr, Germany. Coking oven. 1,669,168; May 8.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Gas retort. 1,663,847; Mar. 27.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Coking retort oven. 1,664,632; Apr. 3.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Coke-oven heating and the like. 1,671,194; May 29.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Retort oven. 1,671,195; May 29.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Oven for burning refractories and the like. 1,674,985; June 26.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Coke-oven-door-operating apparatus. 1,678,864; July 31.
- Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Regenerative channel oven. 1,687,774; Oct. 16.
- Kops Brothers. (See Kops, Waldemar, assignor.)
- Kops Bros., Inc. (See Hirsch, Joseph, assignor.)
- Kops Bros., Inc. (See Kops, Waldemar, assignor.)
- Kops, Waldemar, New York, N. Y., assignor to Kops Bros., Inc. Apparel corset. 1,661,761; Mar. 6.
- Kops, Waldemar, assignor to Kops Brothers, New York, N. Y. Apparel garment. 1,673,750; June 12.
- Kops, Waldemar, New York, N. Y., assignor to Kops Bros., Inc. Apparel garment. 1,675,179; June 26.
- Kops, Waldemar, assignor to Kops Bros., Inc., New York, N. Y. Apparel garment. 1,680,051; Aug. 7.
- Kops, Waldemar, New York, N. Y., assignor to Kops Bros., Inc. Apparel garment. 1,680,997; Aug. 14.
- Koref, Fritz. (See Blau, F., Koref, and Moers.)
- Koref, Fritz. (See Wolff, H., Koref, and Skaupey.)
- Koretzky, Harry M., New York, N. Y. Terminal clip. 1,661,124; Feb. 28.
- Koretzky, Harry M., Hoboken, N. J. Electric lamp and support therefor. 1,687,483; Oct. 9.

- Koretzky, Harry M., assignor to Bright Star Battery Company Inc., Hoboken, N. J. Flash light. 1,666,420; Apr. 17.
- Korfund Company, The. (See Genest, Werner, assignor.)
- Kormann, Frederick A., New Rochelle, N. Y., assignor to United Refineries Company, New York, N. Y. Apparatus for treating oil. 1,661,804; Mar. 6.
- Korn, Emil. (See Ehmman, Otto, assignor.)
- Korn, Franklin A., Elizabeth, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Telephone system. 1,689,347; Oct. 30.
- Korn, Maximilian H., Teaneck, N. J. Pier-shed door. 1,662,709; Mar. 13.
- Kornbau, Kennard J., New York, N. Y. Wall tie for masonry veneer work. 1,669,472; May 15.
- Körner, Bruno H., assignor of one-half to E. Pietzsch, Dohna, near Pirna, Germany. Apparatus for stopping leaks especially in the bottom and side walls of ships' hulls. 1,676,395; July 10.
- Korns, Lewis F., Minneapolis, Minn. Indirect lighting system for motor vehicles. 1,664,748; Apr. 3.
- Korusweet, Samuel A., Los Angeles, Calif. Molding apparatus. 1,656,523; Jan. 17.
- Koro Corporation. (See Kotchi, C., and Rode, assignors.)
- Koroknay, Paul, Houston, Tex. Signal-control switch. 1,677,141; July 17.
- Koronski, André, Narberth, and R. H. Heacock, Swarthmore, Pa.; said André Koronski now, by judicial change of name, Andrew King. Machine for calculating moments of inertia. 1,670,512; May 22.
- Korper, Isaac, New York, N. Y. Adjustable shoulder-strap stay. 1,677,109; July 10.
- Kortenboeven, Peter, Chicago, Ill. Car tank. 1,664,116; Mar. 27.
- Kortepeter, Ralph E., Brooklyn, and A. Amundsen, Glendale, assignors to The Sperry Gyroscope Company, Brooklyn, N. Y. Repeater-motor indicator. 1,681,542; Aug. 21.
- Korvallis, John N., Los Angeles, Calif. Automobile signal. Des. 76,876; Nov. 13.
- Korvin-Kroukovsky, Boris V. (See Zimmermann, P. G., and Korvin-Kroukovsky.)
- Korzenborn, Charles, Cincinnati, Ohio. Printer's sheet receptacle. 1,676,095; July 3.
- Kosack, Paul, Grand Island, Nebr. Plastic reinforced building construction. 1,691,117; Nov. 13.
- Kosek, Joseph H., and R. B. Trautman, assignors to D. W. Dorrance, Minneapolis, Minn. Artificial limb. 1,682,132; Aug. 28.
- Kosfeld, Wilhelm, Dortmund, Germany. Machine for shaping and grinding stones for blast furnaces. 1,691,898; Nov. 13.
- Koske, Mike, McCloud, Calif. Combination tool. 1,663,848; Mar. 27.
- Kosken, Wilho A., assignor to Steadylite Motion Picture Machine Corporation, New York, N. Y. Motion-picture machine. 1,672,222; June 5.
- Kosken, Wilho A., assignor to Steadylite Motion Picture Machine Corporation, New York, N. Y. Moving picture. 1,673,250; June 12.
- Kosken, Wilho A., Richmond Hill, assignor to Steadylite Motion Picture Machine Corporation, New York, N. Y. Motion pictures. 1,673,251; June 12.
- Kosken, Wilho A., Richmond Hill, N. Y., assignor to Steadylite Motion Picture Machine Corporation. Motion pictures. 1,673,252; June 12.
- Kosloff, Rose, Jamaica, N. Y. Waterproof baby pants. 1,695,109; Dec. 11.
- Kosnick, Charles, New York, N. Y. Coupling. 1,691,817; Nov. 13.
- Kosofsky, Morris, assignor to Kenilworth Manufacturing Co. Inc., New York, N. Y. Garment. 1,667,161; Apr. 24.
- Koss, Walter, Elyria, Ohio. Chimney-cleaning device. 1,688,638; Oct. 23.
- Kossuth, Louis, and C. Lanza, Garfield, N. J. Can opener. 1,690,982; Nov. 6.
- Köster, Erwin. (See Guenther, A., Haller, and Köster.)
- Koster, John, San Francisco, Calif. Picture easel or the like. Des. 75,127; May 8.
- Koster, John, San Francisco, Calif. Smoking stand. Des. 76,401; Sept. 25.
- Kosters, George J., assignor to The Stewart Iron Works Company, Covington, Ky. Visitor's partition for jails and the like. 1,689,172; Oct. 23.
- Kotchi, Charles, Bay City, Mich., and F. J. Rode, Chicago, assignors, by mesne assignments, to Koro Corporation, Waukegan, Ill. Apparatus for producing rods for welding. 1,678,148; July 24.
- Kothé, Charles A., Meadville, Pa. Removing sludge from boilers. 1,695,005; Dec. 18.
- Kothny, Gottfrank L., Stratford, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Ejector control. 1,666,141; Apr. 17.
- Kott, Michael, New York, N. Y. Curtain stretcher. 1,657,999; Jan. 31.
- Kottler, Carl, Brooklyn, N. Y. Turfing needle. 1,671,957; May 29.
- Kotzche, Meinhard H., Tulsa, Okla. Vapor extractor. 1,695,192; Dec. 11.
- Koubek, Frank P., Berwyn, Ill. Sheet-metal-marking device. 1,668,683; May 8.
- Koubek, Frank P., Berwyn, Ill. Sheet-metal-marking device. 1,668,684; May 8.
- Koudritsky, Dimitri, Charleroi, Belgium. Liquid-fuel burner. 1,686,213; Oct. 2.
- Koufman, Abraham. (See Lichten, A. S., Koufman, and Shulik.)
- Koun, Young H., New York, N. Y. Dirigible helicopter. 1,658,290; Feb. 7.
- Kourim, William, assignor to Willoughby Sausage Company, Willoughby, Ohio. Flat wiener. 1,689,395; Oct. 30.
- Kovacs, Benjamin, New Brunswick, N. J. Door lock. 1,689,033; Oct. 23.
- Kovacs, Frank, Akron, Ohio, assignor to Seiberling Rubber Company. Tire. Des. 77,104; Dec. 4.
- Kovacs, Frank, Akron, Ohio, assignor to Seiberling Rubber Company. Tire. Des. 77,105; Dec. 4.
- Kovacs, Mary J., St. Clairsville, Ohio. Automatic gate for railways. 1,682,573; Aug. 28.
- Kovács, Theodor, Berlin, Germany. Fountain pen. 1,661,225; Mar. 6.
- Kowal, Walter, Brooklyn, N. Y., assignor to Phoenix-Hermetic Company, Chicago, Ill. Making jar closures. 1,658,603; Feb. 7.
- Kowalik, John, New York, N. Y. Snake and serpent table board game. 1,656,205; Jan. 17.
- Kowalski, John, Glen Lyon, Pa. Shoe-polishing kit. 1,671,828; May 29.
- Kowolchuk, John, New York, N. Y. Safety shell. 1,655,653; Jan. 10.
- Kozak, Andrew, Lilly, Pa. Water and carbide can. 1,684,996; Sept. 18.
- Kozelka, Joseph, assignor to The New Era Electric Manufacturing Company, Cleveland, Ohio. Support for outlet boxes and the like. 1,671,767; May 29.
- Kracke, Helen T., Brooklyn, N. Y. Emblem or the like. Des. 75,437; June 5.
- Kraeft, Herman L., assignor to Murray Ohio Manufacturing Company, Cleveland, Ohio. Juvenile vehicle. 1,694,183; Dec. 4.
- Kraemer, Waldo L. (See Herbert, F. D., Kraemer, and Garabrant.)
- Kraetsch, Carl H., Des Moines, Iowa. Golf practice apparatus. 1,684,674; Sept. 18.
- Krafft, Bruno A., San Francisco, Calif. Safety cover for cooking vessels. 1,676,146; July 3.
- Krafft, Frederick W., Berkeley, Calif. Clutch. 1,690,686; Nov. 6.
- Kraft, Abraham, Farmington, Minn. Grain-harvester attachment. 1,666,706; Apr. 17.
- Kraft, Fred G., and A. E. Guenther, assignors to Du Pont Rayon Company Incorporated, Buffalo, N. Y. Bucket brake. 1,672,817; June 5.
- Kraft, Gustav F. (See Williams, F. L., and Kraft.)
- Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Pressure gauge. 1,683,471; Sept. 4.
- Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillips and E. A. Darr, executors. Tire valve. 1,693,084; Nov. 27.
- Kraft, Herman T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Keel column. 1,691,818; Nov. 13.
- Kraft, Lucas, Elizabeth, N. J. Lamp. 1,682,342; Aug. 28.
- Kraft-Phenix Cheese Company. (See Eldredge, Elmer E., assignor.)
- Kraft-Phenix Cheese Company. (See Robinson, Sanford K., assignor.)
- Kraft, Selmer A., St. Paul, and S. T. Sheppard, Mankato, Minn. Machine for washing dishes. 1,664,690; Apr. 3.
- Kraft, Walter V., Clinton, Ill. Water heater. 1,684,997; Sept. 18.
- Krafftbefer, Minna B., Chicago, Ill. Clothes hanger. Des. 76,618; Oct. 16.
- Krag, Franz K., Chicago, Ill. Powder box. 1,670,582; May 22.
- Krag, Franz K., Chicago, Ill. Drilling machine. 1,674,867; June 26.
- Krab & Kirchhoff. (See Müller, Richard, assignor.)
- Krakauer, Philip, assignor to Kay Manufacturing Co., Brooklyn, N. Y. Spring cushion structure. 1,655,551; Jan. 10.
- Krall, Reginald F., assignor to Woodall-Duckham (1920) Limited, London, England. Apparatus for separating solids from liquids. 1,695,193; Dec. 11.
- Krämer, Christian, Pankow, Germany, assignor to General Electric Company, Mercury rectifier. 1,694,328; Dec. 4.
- Kramer, Eric B., Brooklyn, N. Y. Capping machine. 1,664,514; Apr. 3.
- Kramer, Erwin, Cologne-Deutz, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Sulphur dyestuff. 1,675,498; July 3.
- Kramer, Erwin, Cologne-Deutz, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Sulphur dyestuff dyeing cotton yellow. 1,675,499; July 3.
- Kramer, Erwin, Berlin, assignor to Hartstoff-Metall Aktiengesellschaft (Hametag), Berlin-Copenick, Germany. Bow trolley for electric vehicles. 1,685,919; Oct. 2.
- Kramer, Erwin, Berlin, and E. Podszus, Berlin-Friedrichshagen, assignors to Hartstoff-Metall Aktiengesellschaft (Hametag), Berlin-Copenick, Germany. Eddy or whirling mill. 1,671,678; May 29.
- Kramer, Eugene, Astoria, N. Y. Box. Des. 74,310; Jan. 24.

- Kramer, Henry W., Kingston, assignor to R. P. Young, Marlboro, N. Y. Handle for wooden baskets. 1,655,147; Jan. 3.
- Kramer, Israel I. (See Kramer, Nathan and I. I.)
- Kramer, Johannes W., Berlin, Germany. Ear cap. 1,688,721; Oct. 23.
- Kramer, Joseph, New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Pilferproof box. 1,690,866; Nov. 6.
- Kramer, Max L. (See Quick, Frank J., assignor.)
- Kramer, Nathan, Trenton, N. J., and I. I. Kramer, Brooklyn, N. Y., assignors to Trenton Auto Radiator Works, Inc., Trenton, N. J. Radiator attachment. 1,659,296; Feb. 14.
- Kramer, Phillip R., Bay City, Mich. Magazine rifle. 1,672,534; June 5.
- Kramer, Richard L. (See Tanberg, A. P., and Kramer.)
- Kramer, Richard L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose-ester composition. 1,676,612; July 10.
- Kramer, Samuel, Newark, N. J. Ladder. 1,691,976; Nov. 20.
- Kramer, William J., St. Louis, Mo. Automobile traffic signal. 1,694,184; Dec. 4.
- Krammer, Henry B., New York, N. Y. Aircraft. 1,672,163; June 5.
- Kranepuhl, Erich. (See Luther M., Pieroh, and Krane-puhl.)
- Krans, Carl R., Altona, Ill. Step jack. 1,659,632; Feb. 21.
- Krantz, Albert J., Strasburg, Ohio. Target. 1,657,931; Jan. 31.
- Krantz, Hubert, Aachen, Germany. Device for returning water of condensation to boilers. 1,666,573; Apr. 17.
- Krantz, Hubert, Aachen, Germany. Tendering and drying machine for textile fabrics. 1,673,253; June 12.
- Krantz, Hubert K. (See Baxter, H. G., and Krantz.)
- Krantz, Joseph A., assignor to The Reeves Manufacturing Company, Dover, Ohio. Lock joint for metal pipes. 1,654,738; Jan. 3.
- Krantz, Philip M., Brooklyn, N. Y. Route guidance. 1,680,998; Aug. 14.
- Kranz, Clara, Chicago, Ill. Separable fastener. 1,676,396; July 10.
- Kranz, Frederick H., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of aromatic ketonic compounds. 1,661,293; Mar. 6.
- Kranz, Frederick W., Geneva, Ill. Apparatus for aiding hearing. 1,679,532; Aug. 7.
- Kranz, Harry W., W. R. Edwards, and J. Lukes, assignors to The Hydraulic Steel Company, Cleveland, Ohio. Apparatus for separating sheets. 1,670,815; May 22.
- Kränzlein, Georg, and F. Roemer, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Monodiaz compounds of 1,4-diaminoanthraquinone-sulphonic acids and preparing the same. 1,690,021; Oct. 30.
- Kränzlein, Georg, A. Voss, and F. Brunträger, Höchst-on-the-Main, assignors to I. G. Farbenindustrie Aktien-gesellschaft, Frankfurt-on-the-Main, Germany. Sulphonated cellulose derivatives and preparing them. 1,682,382; Aug. 28.
- Kränzlein, Georg, K. Zahn, P. Ochwat, and M. Corell, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Derivatives of dibenzopyrenequinone and preparing the same. 1,693,447; Nov. 27.
- Krasa, Albert. (See Bates, A. M., and Krasa.)
- Krase, Herbert J., Clarendon, Va., and H. C. Hetherington, and A. T. Larson, Washington, D. C., assignors to A. B. Lamb, trustee. Purification of gases. 1,673,877; June 19.
- Kräsity, Helen, Riverhead, N. Y. Mattress. 1,668,373; May 1.
- Kraslavsky, Michel, New York, N. Y., now by change of name Mitchell Krass. Motion-picture film. 1,683,830; Sept. 11.
- Krasnosky, George, Pensacola, Fla. Woodworking apparatus. 1,691,850; Nov. 13.
- Krass, Mitchell. (See Kraslavsky, Michel.)
- Kratochvil, Emanuel, Chicago, Ill. Tobacco pipe. 1,664,117; Mar. 27.
- Kratochvil, Rudolph A., Greeneville, Tenn. Combination cigarette and match box. 1,677,036; July 10.
- Kratz, George D., Akron, Ohio. Advertising novelty. 1,674,648; June 26.
- Kratz, Howard L., assignor to John Wanamaker Philadelphia, Philadelphia, Pa. Folding screen for a room. Des. 76,246; Sept. 4.
- Kraus, Albert H. (See Kraus, William G., assignor.)
- Kraus, Charles A., and C. C. Callis, Worcester, Mass., assignors to Standard Development Company. Preparation of metals for chemical uses. 1,655,908; Jan. 10.
- Kraus, Charles A., and C. C. Callis, Worcester, Mass., assignors to Standard Oil Development Company. Alkylation. 1,690,075; Oct. 30.
- Kraus, Charles A., and C. C. Callis, Worcester, Mass., assignors to Standard Oil Development Company. Preparing alkyl compounds of lead. 1,694,268; Dec. 4.
- Kraus, Charles E., Grand Rapids, Mich. Rotary engine. 1,688,816; Oct. 23.
- Kraus, Emil, The Hague, Netherlands, assignor to Fabrick Van Chemische Producten, Schiedam. Manufacture of sulphurized derivatives of phenols. 1,690,640; Nov. 6.
- Kraus, Emil, The Hague, Netherlands, assignor to Fabrick Van Chemische Producten, Schiedam. Manufacture of new sulphurized derivatives of naphthols. 1,690,641; Nov. 6.
- Kraus, Ferdinand, Rodenkirchen, near Cologne, Germany. Alternating-current rectifier. 1,671,245; May 29.
- Kraus, Harvey. (See Kaplan, M., and Kraus.)
- Kraus, Milke, Youngstown, Ohio. Sanding device for automobiles. 1,654,739; Jan. 3.
- Kraus, William G., Brillion, assignor of forty-nine per cent to A. H. Kraus, Oshkosh, Wis. Plunger. 1,657,478; Jan. 31.
- Krause, Arthur, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Company Inc. Wall lighting fixture. Des. 74,610; Mar. 6.
- Krause, Arthur, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Company, Inc. Wall lighting fixture. Des. 74,611; Mar. 6.
- Krause, Arthur, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Company, Inc. Wall lighting fixture. Des. 74,750; Mar. 20.
- Krause, Arthur R., Woodhaven, N. Y., assignor to Max Schaffer Co., Inc. Chandelier or article of analogous nature. Des. 76,310; Sept. 11.
- Krause, Arthur R., Woodhaven, N. Y., assignor to Max Schaffer Co., Inc. Wall bracket or article of analogous nature. Des. 76,311; Sept. 11.
- Krause, Arthur R., Woodhaven, N. Y., assignor to Max Schaffer Co., Inc. Lantern or article of analogous nature. Des. 76,312; Sept. 11.
- Krause, Arthur R., Woodhaven, N. Y., assignor to Max Schaffer Co., Inc. Chandelier body or article of analogous nature. Des. 76,313; Sept. 11.
- Krause, Arthur R., Woodhaven, N. Y., assignor to Max Schaffer Co., Inc. Combined candle cup and bobèche. Des. 76,314; Sept. 11.
- Krause, Arthur R., Woodhaven, N. Y., assignor to Max Schaffer Co., Inc. Lighting-fixture bar or article of analogous nature. Des. 76,402; Sept. 25.
- Krause, Conrad B., et al. (See Green, Lee B., assignor.)
- Krause, Conrad B., Cleveland, Ohio. Pump. 1,658,204; Feb. 7.
- Krause, Erich, assignor to the firm of Holzverkohlungs-Industrie Aktiengesellschaft, Constance, Baden, Germany. Chlorination of methane. 1,677,831; July 17.
- Krause, Erich, and K. Roka, assignors to Holzverkohlungs-Industrie Aktiengesellschaft, Konstanz, Baden, Germany. Chlorination of saturated hydrocarbons. 1,654,821; Jan. 3.
- Krause, Erich, and K. Roka, assignors to the firm Holzverkohlungs-Industrie Aktien-Gesellschaft, Constance, Baden, Germany. Making formaldehyde from methylene chloride. 1,679,678; Aug. 7.
- Krause, Gustav, Schneidemühl, Germany. Foot support. 1,687,070; Oct. 9.
- Krause, Gustav E., Fall Creek, Wis. Water-supplying means for internal-combustion engines. 1,668,158; May 1.
- Krause, Hermann, Menomonee Falls, Wis. Line-shaft bearing. 1,676,784; July 10.
- Krause, Joseph W., Brooklyn, N. Y. Brassière. 1,666,421; Apr. 17.
- Krause, Max, Chicago, Ill. Upholstery construction. 1,678,474; July 24.
- Krause, Paul A., Woodlynne, N. J. Illuminated vehicle license tag and holder for same. 1,681,349; Aug. 21.
- Krause, Paul F. (See Hoecker, Albert C., assignor.)
- Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Handle for waterless cookers. 1,679,429; Aug. 7.
- Krauss, Carl, Leverkusen-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Vat dyestuffs of the 2,2'-indole-thionaphthene-indigo series. 1,691,660; Nov. 13.
- Krauss, Georg, Georgsmarienhütte, near Osnabruck, Germany. Flushing apparatus for water-closets with closed flushing boxes. 1,658,169; Feb. 7.
- Kraut, Max, assignor to New England Panama Hat Company, Inc., New York, N. Y. Flexible straw hat. 1,666,875; Apr. 17.
- Krauth, Julius, Sontheim-Heilbronn, Germany. Apparatus for playing skittles. 1,685,699; Sept. 25.
- Kravitt, Irwin H., Philadelphia, Pa. Lamp stand. Des. 74,930; Apr. 17.
- Kraxberger, Michael E., Buckingham, Colo. Corn-harvesting apparatus. 1,693,085; Nov. 27.
- Kré, John, Wallis, Tex. Animal trap. 1,661,950; Mar. 6.
- Kreamer, Waldo L., Brooklyn, N. Y., assignor to Kearfoot Engineering Company, Inc. Window opener. 1,695,691; Dec. 18.
- Krebs, Adolf, Boston, Mass., assignor to The Oxweld Railroad Service Company, New York, N. Y. Metal-working machine. 1,658,927; Feb. 14.
- Krebs, Robert P. D. (See Maximoff, J., De Costa, and Krebs.)
- Krebsbach, Alois J., St. Cloud, Minn. Silo sealer. 1,694,016; Dec. 4.
- Krecke, Friedrich, Offenbach, near Frankfurt-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. 2-hydroxynaphthalene-3-monosulpho-6-carboxylic acid and making it. 1,676,698; July 10.

- Kreft, Ewald, assignor of one-sixth to R. Hoeller, one-sixth to F. L. Werner, one-sixth to F. Schindler, one-sixth to F. Amisbaensel, and one-sixth to L. Neudecker, St. Louis, Mo. Slaughtering device. 1,675,856; July 3.
- Kreglo, Edgar Co. (See Helms, Henry C., assignor.)
- Krehann, Emil, assignor of one-half to the firm Gebrüder Hardy Maschinenfabrik und Giesserei Atkien Gesellschaft, Vienna, Austria. Air-pressure brake. 1,677,033; July 10.
- Krehbiel, Benjamin F., Wichita, Kans. Concrete-block machine. 1,677,480; July 17.
- Kreidel, Hans, Wiesbaden, Germany. Hand-operated grease gun. 1,657,801; Jan. 31.
- Kreidel, Hans, Wiesbaden, Germany. Direction indicator for vehicles. 1,661,762; Mar. 6.
- Kreidel, Hans, Wiesbaden, Germany. Grease-gun-charging device. 1,681,772; Aug. 21.
- Kreider, Irvin K., Lancaster, Pa. Tractor cultivator. 1,687,457; Oct. 9.
- Kreider, Walter J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,693,279; Nov. 27.
- Kreidler, Urban A., assignor to McLaren-Consolidated Cone Corporation, Dayton, Ohio. Ice-cream cone. Des. 75,262; May 22.
- Kreidler, Urban A., assignor to McLaren-Consolidated Cone Corporation, Dayton, Ohio. Ice-cream cone. Des. 75,263; May 22.
- Krelling, James E., Chicago, Ill. Sorting device. 1,672,764; June 5.
- Krein Chain Company, The. (See Holley, William G., assignor.)
- Kreisel, Paul, Newark, N. J. Recording and timing device for combustion engines. 1,655,615; Jan. 10.
- Kreisel, Paul, Newark, N. J. assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,684,061; Sept. 11.
- Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Fuel-supplying device. 1,668,324; May 1.
- Kreisinger, Henry, Piermont, assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel-feeding apparatus. 1,695,692; Dec. 18.
- Kreismann, Paul, Chicago, Ill. Glue and making same. 1,667,073; Apr. 24.
- Kreissig, Ernst, Uerdingen, Germany. Shock-absorbing device. 1,656,279; Jan. 17.
- Kreissle, Hermann, Ansbach, Germany. Two-stroke-cycle internal-combustion engine. 1,689,834; Oct. 30.
- Krejci, Robert F., Cleveland, Ohio. Retaining device. 1,664,890; Apr. 3.
- Krell, George. (See Davis, Marvin B., assignor.)
- Krell, George, and G. M. Martinet, Sapulpa, Okla.; said Martinet assignor to said Krell. Variable-speed transmission. 1,696,203; Dec. 25.
- Krell, Joseph, Berlin-Pankow, Germany. Printing plate and the like. 1,655,790; Jan. 10.
- Krell, Joseph, Berlin-Pankow, Germany. Addressing machine. 1,655,791; Jan. 10.
- Krell, Joseph, Berlin-Pankow, Germany. Printing machine. 1,655,792; Jan. 10.
- Krems, Ottmar M., Chicago, Ill. Container. 1,682,179; Aug. 28.
- Kremenezky, Firm: Joh. (See Gaertner, Gustav, assignor.)
- Kremenz, Frank, Company. (See Higham, Harry, assignor.)
- Kremers, Harry C., Urbana, Ill. Electrolytic rectifier. 1,682,846; Sept. 4.
- Kremmling, Otto, Hamersleben Kreis Oschersleben, Germany. Machine for coating or incrusting confectionery, biscuits, and the like. 1,673,686; June 12.
- Kremski, Franz and H. Siemering, New York, N. Y. Tie fastener. 1,692,043; Nov. 20.
- Krenck, Louis R., Lagrange, Tex. Interchangeable rifle and shotgun barrel. 1,661,949; Mar. 6.
- Krenke, Otto A., assignor of one-half to E. L. Powers, Port Huron, Mich. Shock absorber. 1,662,259; Apr. 17.
- Krentler-Arnold Hinge Last Company. (See Krentler, Walter A., assignor.)
- Krentler, Walter A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. 1,669,984; May 15.
- Krentler, Walter A., assignor to Krentler-Arnold Hinge Last Company, Detroit, Mich. Last. 1,674,621; June 19.
- Krentler, Walter A., assignor to Krentler Arnold Hinge Last Company, Detroit, Mich. Last. 1,685,783; Oct. 2.
- Krenz, William C., Davenport, Iowa. Lawn-mover-sharpening machine. 1,657,757; Jan. 31.
- Kresky, Jesse E., Petaluma, Calif. Liquid-fuel burner. 1,696,547; Dec. 25.
- Kreschmer, Henry A., La Grange Park, Ill. Combination container and picture frame. Des. 74,889; Apr. 10.
- Kreschmer, Henry A., La Grange Park, Ill. Combined desk set and picture frame. Des. 74,980; Apr. 24.
- Krettingen, Emanuel, Los Angeles, Calif. Internal-combustion engine. 1,669,093; May 8.
- Kretzer, Charles D., Portland, Oreg. Mow. 1,678,343; July 24.
- Kretzer, Sidney D., St. Louis, Mo. Lightning-rod construction. 1,682,288; Aug. 28.
- Kretzmer, Amella. (See Dobert, Frank C., assignor.)
- Kretzschmar, Walter. (See Meyer, A., and Kretzschmar.)
- Kreutz, Carl, Littleton, Colo. Safety hook for tire chains. 1,683,325; May 1.
- Kreutzberg, Otto A., Lake Bluff, Ill. Carburetor for powdered coal. 1,696,041; Dec. 18.
- Kreutzer, Michael J., Dayton, Ohio. Bottle-washing apparatus. 1,667,597; Apr. 24.
- Krick, George W., assignor to Barker Bros., Incorporated, Los Angeles, Calif. Extension-leaf construction for permanent-top tables. 1,695,110; Dec. 11.
- Krieg, Alfred, assignor to Nichols & Shepard Company, Battle Creek, Mich. Power-plant mounting. 1,671,768; May 29.
- Krieg, Walter L., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,668,211; May 1.
- Krieger, Adolph J. (See Draher, J., and Krieger.)
- Krieger, Isaac G., Lodi, Calif. Automobile signaling device. 1,677,351; July 17.
- Krieger, Kathryn G., Baltimore, Md. Appliance for teaching arithmetic. 1,662,503; Mar. 13.
- Kriegel, Emmerich, Glauchau, Germany. Chenille-making machine. 1,687,942; Oct. 16.
- Kries, John, Brooklyn, N. Y. Locking device. 1,666,783; Apr. 17.
- Krill, Warren J., East Chicago, Ill. Window-washing apparatus. 1,674,207; June 19.
- Krimke, Jerome P., Newark, N. J. Toy horse. 1,692,667; Nov. 20.
- Krimwire Company. (See Johnson, Otto W., assignor.)
- Kring, S. L. (See Becker, Wayne A., assignor.)
- Krippendorf Calculator Company. (See Dudley, Charles H., assignor.)
- Krisch, John W., Kansas City, Mo. Finger ring. Des. 76,485; Oct. 2.
- Krischer's Manufacturing Company. (See Freysinger, John B., assignor.)
- Krisslep, Max, assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 1,667,974; May 1.
- Kristek, George H., Ellinger, Tex. Cotton-seed-loading device. 1,696,042; Dec. 18.
- Kristensson, Robert E., Lidings, Sweden. Vertical card system. 1,671,530; May 29.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Attachment of face plates. 1,693,846; Dec. 4.
- Kristofek, Frank J., and W. F. Benson, assignors to Brown & Bigelow, St. Paul, Minn. Engine-turning machine. 1,665,372; Apr. 10.
- Kristofek, Frank J., and O. W. Hammerquist, assignors to Brown & Bigelow, St. Paul, Minn. Automatic calendar stitcher. 1,695,897; Dec. 18.
- Kritchevsky, Wolf, Chicago, Ill. Hair dye. 1,663,202; Mar. 20.
- Kriwan, Arnold, Mährisch-Ostrau-Privoz, Czechoslovakia. Rolling mill with supported working rolls. 1,655,063; Jan. 3.
- Kriz, Joseph, jr., St. Paul, Minn. Automatic take-up for connecting rods. 1,682,011; Aug. 28.
- Krobitzsch, Robert W., assignor to Sunset Feather Company, San Francisco, Calif. Feather-cleaning machine. 1,683,905; Sept. 11.
- Kroccek, Anton M., Chicago, Ill. Bird cage. 1,672,645; June 5.
- Kroder, John, and Henry Reubal Company, The. (See Crawford, James O., assignor.)
- Kroder, John, and Henry Reubal Company, The. (See Furlong, William J., assignor.)
- Kroedel, Robert, and C. F. Speidel, assignors to Eastman Kodak Company, Rochester, N. Y. Camera focusing mechanism. 1,662,427; Mar. 13.
- Kroeger, Edwin J., assignor of three-fourths to S. Lord, Akron, Ohio. Coupling. 1,677,865; July 17.
- Kroeger, Ferdinand J. (See Hohnhorst, F. J., and Kroeger.)
- Kroeger, Frederick C., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy, Dayton, Ohio. Engine starter. 1,661,372; Mar. 6.
- Kroeger, Frederick C., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition timer. 1,678,947; July 31.
- Kroehler Mfg. Co. (See Doyle, Harry F., assignor.)
- Kroehler Manufacturing Company. (See Faris, Harold P., assignor.)
- Krogan, Abner H., Stanley, Wis. Corn cutter. 1,683,042; Sept. 4.
- Kroger, Fred H., Brooklyn, N. Y., assignor to Radio Corporation of America. Rectifying and filtering system. 1,686,974; Oct. 9.
- Kroh, Edward A., Stella, assignor of one-half to L. L. Poe, Lincoln, Nebr. Clear-vision device for automobile windshields. 1,663,500; Mar. 20.
- Krohn, Emil, Duluth, assignor of one-third to A. W. Bjorklund, Minneapolis, and one-third to V. Lillquist, Duluth, Minn. Door-operating mechanism. 1,669,565; May 15.
- Krohs, Walter. (See Schirmacher, K., Stolz, Schlichenmaier, and Krohs.)
- Kroll, Waldemar. (See Jackson, A. C., and Kroll.)
- Kroll, Waldemar, Philadelphia, Pa., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Sealed padlock. 1,659,433; Feb. 14.
- Kroll, Walter, Berlin, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,693,927; Dec. 4.

- Kromann, Einar, Odense, Denmark. Cable socket for accumulators. 1,678,733; July 31.
- Kromer, George J., Milwaukee, Wis. Garment fastener. 1,695,592; Dec. 18.
- Kroudak, James, Morse Bluff, Nebr. Draft evener. 1,673,150; June 12.
- Krone, Carl R., Oakland, Calif. Match-box holder. 1,671,296; May 29.
- Kronenberg, Frederick W., Philadelphia, Pa. Downflow steam generator. 1,690,642; Nov. 6.
- Kronheim, Jacob, Cleveland, Ohio. Chair or couch. 1,664,934; Apr. 3.
- Kronke, Heinrich, Baltimore, Md. Sugar dispenser. 1,656,980; Jan. 24.
- Kronmiller, Carl G. (See Bates, A. M., and Kronmiller.)
- Kronmiller, Carl G., and J. E. Cornell, assignors to Bates Valve Bag Company, Chicago, Ill. Guide for bag-valving apparatus. 1,657,577; Jan. 31.
- Kronmiller, Carl G., assignor, by mesne assignments, to Bates Valve Corporation, Chicago, Ill. Apparatus for making paper tubes. 1,669,713; May 15.
- Kronowit, Isidor S., New York, N. Y. Toy bank. Des. 77,158; Dec. 11.
- Kronquest, Alfred L., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Soldering machine. 1,666,707; Apr. 17.
- Kronqvist, Karl E., Helsingfors, Finland. Sheet-feeding mechanism. 1,681,413; Aug. 21.
- Kronqvist, Karl E., Helsinki, Suomi-Finland. Feeding device for manufacturing and wrapping of sweetmeats and the like. 1,696,803; Dec. 25.
- Kropf, Frank, Wamego, Kans. Wall. 1,696,043; Dec. 18.
- Kropp, Walter. (See Hahl, H., and Kropp.)
- Kropp, Walter, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Pharmaceutical compound. 1,675,500; July 3.
- Krotz, Alvaro S. (See Manning, Elmer J., assignor.)
- Krotz, Alvaro S., Janesville, Wis. Tractor. 1,680,553; Aug. 14.
- Krouse, Glen N., Valparaiso, Ind. Facing machine for valves and timers. 1,656,377; Jan. 17.
- Krout, Ray W., Newark, N. J., assignor, by mesne assignments, to Racine Confectioners' Machinery Company, Racine, Wis. Machine relating to the production of candy. 1,689,879; Oct. 30.
- Kruckenber, Franz, and C. Stedefeld, Heidelberg, Germany; said Stedefeld assignor to said Kruckenber. Shunting arrangement and arrangement for removing cars from and placing cars on to the rails of suspension railways. 1,656,589; Jan. 17.
- Kruckenber, Franz, and C. Stedefeld, Heidelberg, Germany; said Stedefeld assignor to said Kruckenber. Track for high-speed suspension railways. 1,659,322; Feb. 14.
- Kruckenber, Franz, and C. Stedefeld, Heidelberg, Germany; said Stedefeld assignor to said Kruckenber. Track for high-speed suspension railways. 1,668,514; May 1.
- Krueger, Edward F., assignor to Deltex Rug Company, Oshkosh, Wis. Cop-winder head. 1,696,717; Dec. 25.
- Krueger, Ferdinand H., Milwaukee, Wis. Placer-mining machine. 1,684,869; Sept. 18.
- Krueger, Herman W., trustee. (See Shotwell, Fred M., assignor.)
- Krug, Rica, Gardner, Ill. Electric clothesbrush. 1,667,554; Apr. 24.
- Krug, Rica, Gardner, Ill. Household motor combination. 1,691,200; Nov. 13.
- Kruger, Charles M., St. Louis, Mo. Carrying frame. 1,687,839; Oct. 16.
- Kruger, Jack, Brooklyn, and J. Gottlieb, New York, N. Y. Finger ring. Des. 75,164; May 15.
- Krum, Charles L. and H. L., Chicago, Ill., assignors to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Electric selecting apparatus. 1,676,447; July 10.
- Krum, Charles L. and H. L., assignors to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Selecting apparatus for electric telegraphs. 1,676,448; July 10.
- Krum, Howard L. (See Krum, Charles L. and H. L.)
- Krum, Howard L., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Telegraph printer. 1,665,594; Apr. 10.
- Krume, Elbert C. (See Madison, B. F., and Krume.)
- Krumm, Louis R., New York, N. Y. Signaling system. 1,689,935; Oct. 30.
- Krumm, Reinhold, Philadelphia, Pa. Gauging device. 1,662,066; Mar. 13.
- Krummel, Louis C., Brooklyn, N. Y. Monolith construction. 1,673,628; June 12.
- Krummenacher, Eduard. (See Fritzsche, H., Krummenacher, Gubler, and Kaiser.)
- Krupp, Leo A., assignor to The Star Drilling Machine Company, Akron, Ohio. Tractor steering control for revolving excavators or cranes. 1,696,163; Dec. 18.
- Krupp, Louis, New York, N. Y. Brake apparatus. 1,656,070; Jan. 10.
- Krupp, Louis, New York, N. Y. Power-operated brake. 1,696,851; Dec. 25.
- Kruschitzki, Johann, assignor to Metallwerk Max Brose & Co., Coburg, Germany. Speedometer. 1,690,788; Nov. 6.
- Kruschka, Edward A., Milwaukee, Wis. Door-holding means. 1,691,724; Nov. 13.
- Kruse, Edward H., Fort Wayne, Ind. Sectional switch box. 1,672,263; June 3.
- Kruse, Frederick E., Binghamton, N. Y. Carnation plant holder. 1,676,337; July 10.
- Kruse, Mads, London, England. Holding and locking spare wheels and the like on motor vehicles. 1,695,016; Dec. 11.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Blank feeding and positioning mechanism for can-body-making machines. 1,694,387; Dec. 11.
- Kruse, Wilhelm, Berlin, Germany. Impulse-dial apparatus for automatic telephone systems. 1,691,575; Nov. 13.
- Krusemark, Frederick A., Akron, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Pneumatic tire. 1,659,531; Feb. 14.
- Krüssmann, Hermann. (See Petersen, F., and Krüssmann.)
- Krzikalla, Hans, Mannheim, and W. Müller, Ludwigshafen-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Production of metallic compounds of dyestuffs. 1,693,448; Nov. 27.
- Kselmann, Fred, Akron, Ohio. Bowling-alley mat. 1,666,938; Apr. 24.
- Kubatzky, Otto, Tulsa, Okla. Set of playing cards. Des. 75,373; May 29.
- Kubatzky, Otto, assignor to O. K. Playing Card Company, Tulsa, Okla. Set of playing cards. Des. 77,159; Dec. 11.
- Kubatzky, Otto, Tulsa, Okla. Set of playing cards. Des. 76,816; Nov. 6.
- Kubatzky, Otto, assignor to O. K. Playing Card Company, Tulsa, Okla. Set of playing cards. Des. 77,160; Dec. 11.
- Kubatzky, Otto, assignor to O. K. Playing Card Company, Tulsa, Okla. Set of playing cards. Des. 77,161; Dec. 11.
- Kubatzky, Otto, assignor to O. K. Playing Card Company, Tulsa, Okla. Set of playing cards. Des. 77,321; Dec. 25.
- Kubelka, Jerry, Ridgewood, N. Y. Weatherproof concealed hinge and jamb construction. 1,684,323; Sept. 11.
- Kubler, Johann, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Transformer oil tank. 1,673,569; June 12.
- Kühler, Johannes, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electrical rectifying apparatus. 1,682,383; Aug. 28.
- Kubli, John, Hudson Heights, N. J. Traffic-signal apparatus. 1,692,942; Nov. 27.
- Kucak, Leo, assignor of one-half to V. L. Kucak, Cleveland, Ohio. Door-retaining device. 1,674,649; June 26.
- Kucak, Virginia L. (See Kucak, Leo, assignor.)
- Kucera, George, Grand Island, Nebr. Tool. 1,679,039; July 31.
- Kucera, Peter, Pittsburgh, Pa. Method and apparatus for melting glass. 1,654,591; Jan. 3.
- Kuch, Frederick, assignor to The McLagan Furniture Company, Limited, Stratford, Ontario, Canada. Sound amplifier. 1,688,817; Oct. 23.
- Küchenmeister, Heinrich J., Berlin, Germany. Phonograph. 1,663,664; Mar. 27.
- Küchenmeister, Heinrich J., Berlin, Germany. Sound-reproducing instrument. 1,689,880; Oct. 30.
- Küchenmeister, Heinrich J., Berlin, Germany. Gramophone. 1,690,122; Nov. 6.
- Kucher, Andrew A., Chester, Pa. Refrigeration. 1,656,917; Jan. 24.
- Kucher, Andrew A., Chester, Pa. Refrigerator. 1,656,918; Jan. 24.
- Kuchins, Harry L., St. Louis, Mo. Portable newspaper rack. Des. 76,023; Aug. 14.
- Kuck, Henry G., assignor to Stuber & Kuck Co., Peoria, Ill. Display cover for containers. 1,669,875; May 15.
- Kuckuk, Heinrich, Bremen, Germany. Precision bore and producing same. 1,695,017; Dec. 11.
- Kudler, Adolph, Los Angeles, Calif. Amusement apparatus. 1,662,504; Mar. 13.
- Kuehl, Herman W., Chicago, Ill., assignor to Brass Products Company. Waste-valve mechanism. 1,689,034; Oct. 23.
- Kuehn, Anthony E., Mishawaka, Ind. Foldable tourist bed. 1,662,580; Mar. 13.
- Kuehn, Christian, St. Louis, Mo. Table. 1,688,818; Oct. 23.
- Kuehn, Louis, assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Sheet-metal roofing. 1,677,031; July 10.
- Kuehne, Oscar C., San Antonio, Tex. Valve. 1,657,404; Jan. 24.
- Kuehne, Oscar C., San Antonio, Tex. Valve. 1,673,831; June 19.
- Kuehne, William. (See Hackworth, J., and Kuehne.)
- Kuehner, Louis C., assignor to A. H. Handlan, St. Louis, Mo. Bulb adapter for signal lamps. 1,658,446; Feb. 7.
- Kuehner, Wilhelm, Providence, R. I. Bracelet or similar article. Des. 76,877; Nov. 13.
- Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio. Closure fastener. 1,660,170; Feb. 21.
- Kuen, Eugene A., assignor to The Thomas J. Corcoran Lamp Company, Cincinnati, Ohio. Closure fastening. 1,681,042; Aug. 14.
- Kueppers, Frederick C., Hawthorne, N. J. Glare shield. 1,675,936; July 3.

- Kuert, Ira J., Los Angeles, Calif. Adjustable and interchangeable form for hollow wall construction. 1,694,036; Dec. 4.
- Kuert, Ira J., Los Angeles, Calif. Concrete form, method of molding a concrete wall, and wall. 1,694,037; Dec. 4.
- Kuhl, Alphons M., Omaha, Nebr. Door and window grating. 1,662,117; Mar. 13.
- Kuhl, John, Oakland, assignor to Standard Oil Company of California, San Francisco, Calif. Sealing construction for tanks. 1,673,983; June 19.
- Kuhl, John, Oakland, assignor to Standard Oil Company of California, San Francisco, Calif. Sealing construction for tanks. 1,673,984; June 19.
- Kuhl, Leo, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Refrigerating apparatus. 1,671,531; May 29.
- Kühling, Oskar. (See Elsner, O., and Kühling.)
- Kuhlke Machine Company, The. (See Kuhlke, Otto J., assignor.)
- Kuhlke, Otto J., assignor to The Kuhlke Machine Company, Akron, Ohio. Cushion tire. 1,662,007; Mar. 6.
- Kuhlman, Arthur L., Bay City, Mich. Recording rule. 1,659,739; Feb. 21.
- Kuhlmann, Elenora. (See Kuhlmann, Henry F. and E.)
- Kuhlmann, Henry F. and E., assignors of one-half to G. P. Kern, Indianapolis, Ind. Washing machine. 1,696,718; Dec. 25.
- Kühltransit-Verkehrs-Aktiengesellschaft. (See Rathke, Alfred C. F., assignor.)
- Kühlwein, Fritz L., Billwarder, Hamburg, assignor to the firm Chemische Fabrik in Billwärder vorm. Hell & Stamer A. G., Hamburg-Billbrook, Germany. Obtaining high-grade products from raw coal. 1,660,009; Feb. 21.
- Kuhn, Eunice H. (See Kuhn, Robert B., assignor.)
- Kuhn, Frank, and L. H. Thomas, assignors to American Electrical Heater Company, Detroit, Mich. Electric melting pot. 1,690,415; Nov. 6.
- Kuhn, Frederick X., Waltham, assignor to Kuhn Ice Cream Machinery Co., Boston, Mass. Ice-cream-packaging machine. 1,693,988; Dec. 4.
- Kuhn Ice Cream Machinery Co. (See Kuhn, Frederick X., assignor.)
- Kuhn, John D., Lawrence, Kans. Car-door hanger. 1,670,455; May 22.
- Kuhn, John D., Lawrence, Kans. Car-door hanger. 1,688,191; Oct. 16.
- Kuhn, John J., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustical device. 1,681,543; Aug. 21.
- Kuhn, John J., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Combined jack and selecting switch. 1,689,348; Oct. 30.
- Kuhn, John J., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube and socket. 1,690,232; Nov. 6.
- Kuhn, Joseph. (See Huber, Johann J., assignor.)
- Kuhn, Lewis O., Minneapolis, Minn. Gear pump. 1,686,867; Oct. 9.
- Kühn, Ludwig, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Radio signaling system. 1,655,961; Jan. 10.
- Kuhn, Paul. (See Klein, H., and Kuhn.)
- Kuhn, Robert B., assignor to E. H. Kuhn, Canton, Ohio. Internal-combustion engine. 1,681,544; Aug. 21.
- Kuhn, Wilfred H., Detroit, Mich. Steam trap. 1,684,961; Sept. 18.
- Kuhn, Wilfred H., assignor to Wright-Austin Company, Detroit, Mich. Steam gauge. 1,679,476; Aug. 7.
- Kühn, Wilhelm, Frankfurt-on-the-Main, Germany. Fluid-operated tool. 1,678,734; July 31.
- Kuhne, Heinz E., Houston, Tex. Portable instrument housing. 1,661,482; Mar. 6.
- Kuhnert, Walter A., Los Angeles, Calif. Recovery of sodium bicarbonate from brines. 1,674,474; June 19.
- Kuhnert, Walter A., Los Angeles, Calif. Recovery of sodium salts from brines. 1,693,237; Nov. 27.
- Kuhle, Adolf, Neuenburg, Germany. Connection device specially for jewelry. 1,682,290; Aug. 28.
- Kuhns, Anthony R. (See Snell, John B., assignor.)
- Kuhns, John P., assignor to National Tag Manufacturing Corporation, Dayton, Ohio. Size marker for hats. 1,667,162; Apr. 24.
- Kujawski, Max J. (See Mueller, T. G., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt.)
- Kukec, Paul, Chicago, Ill. Electric heater. 1,657,932; Jan. 31.
- Kulas, Carl, Leipzig, Germany. Producing artificial resin. 1,669,831; May 15.
- Kulas, Carl, Leipzig, Germany. Producing plastic and moldable composition. 1,688,500; Oct. 23.
- Kulenkampff, Carl A., New York, N. Y. Brick-ice-cream cutter. 1,685,700; Sept. 25.
- Kulick, Edward L., Milwaukee, Wis., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Bracket and brake lever. 1,664,825; Apr. 3.
- Kulik, Irving, Brooklyn, N. Y. Apparatus for filling root canals. 1,694,857; Dec. 11.
- Kulikowski, Adam H. (See Russell, Thomas C., assignor.)
- Kull, Andrew A., assignor to The Burdick Corporation, Milton, Wis. Therapeutic lamp. 1,681,736; Aug. 21.
- Kull, Walter A., Flint, Mich. Muffler. 1,655,230; Jan. 3.
- Kullander, Martin. (See Friend, R. O., and Kullander.)
- Kullmann, Albert, et al. (See Conticchio, Rocco, assignor.)
- Kullmann, John, et al. (See Conticchio, Rocco, assignor.)
- Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Spring holding and positioning clip. 1,690,731; Nov. 6.
- Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Heavy-duty valve-spring lifter or compressor. 1,690,732; Nov. 6.
- Kulp, Lester, Chicago, and R. S. Corlett, Evanston, assignors to Kulp Theftproof Lamp Company, Chicago, Ill. Device for removing theftproof lamps. 1,673,288; June 12.
- Kulp Theftproof Lamp Company. (See Kulp, L., and Corlett, assignors.)
- Kumagai, Buntaro, Los Angeles, Calif. Detachable handle. 1,681,414; Aug. 21.
- Kummenich, Richard, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. Hallesches, Berlin, Germany. Voltage regulator. 1,683,785; Sept. 11.
- Kummermehr, Carl A., and A. J. Tribout, Belleville, Ill. Combined stationary and rotary shelf for stove ovens. 1,660,200; Feb. 21.
- Kummich, Richard. (See Osnos, M., and Kummich.)
- Kun, Lee S., Victoria, British Columbia, Canada. Construction of sea-grass, cane, and willow chairs. 1,657,016; Jan. 24.
- Kundel, William, Hoboken, N. J. Automobile soap shower and rinsing brush. 1,655,375; Jan. 3.
- Kunicke, Robert, Bad Oeynhausen, Germany, assignor to N. Bernard Perretz, Chicago, Ill. Rail connection for railway tracks and the like. 1,674,622; June 19.
- Kunin, Paul, Minneapolis, Minn. Permanent-wave pad. 1,659,490; Feb. 14.
- Kunin, Paul, Minneapolis, Minn. Hair-curling apparatus. 1,666,574; Apr. 17.
- Kunkel, Charles, et al. (See Miller, Adolph N., assignor.)
- Kuntney, Gregory W., Waterbury, and C. W. Bristol, Naugatuck, assignors to The Bristol Company, Waterbury, Conn. Regulating apparatus. 1,675,359; July 3.
- Kuntz, Edward N. C. (See Seals, R. G., and Kuntz.)
- Kuntze, Karl. (See Wirz, E., Haller, and Kuntze.)
- Künzel, Kurt, Ushmannsdorf, Germany. Making glass in a shaft furnace. 1,676,267; July 10.
- Künzer, Marcel, La Chaux-de-Fonds, assignor to Societe Anonyme pour l'Exploitation des Brevets Künzer, Basel, Switzerland. Apparatus for safely sending mail bags, luggage, and similar objects from aerial crafts to the ground. 1,667,421; Apr. 24.
- Kunzi, Andrew E., assignor to Churchill's, Incorporated, Chicago, Ill. Dispensing container. 1,684,495; Sept. 18.
- Kupelweiser, Hans, St. Pölten, Austria. Wall construction. 1,679,611; Aug. 7.
- Kupetz, Adolph G., New Rochelle, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,526; Aug. 14.
- Kupfer Bros. Co. (See Lewin, Arthur, assignor.)
- Kupfer, Carl, assignor to Triumph-Werke Nürnberg A. G., Nuremberg, Germany. Ribbon-shifting means for typewriters. 1,669,301; May 8.
- Kupfer, Louis E., Chicago, Ill. Door opener. 1,681,188; Aug. 21.
- Kupferschmid, Gebhard, New York, N. Y. Holder for soap. 1,689,787; Oct. 30.
- Küpfmüller, Karl. (See Karsten, H., and Küpfmüller.)
- Küpfmüller, Karl, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Impedance-correcting network. 1,690,233; Nov. 6.
- Kupka, Johann, Vienna, Austria. Locomotive-valve gear. 1,665,968; Apr. 10.
- Kupper, Herman C., Inc. (See Howlett, Henry P., assignor.)
- Kupsche, Alexander B., Chicago, Ill. Radio receiving apparatus. 1,679,533; Aug. 7.
- Kurath, Frank and L. T. Richardson, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Molded plastic composition article and method of producing the same. 1,674,287; June 19.
- Kurka, Joseph E. (See Miller, G. C., Kurka, and Chase.)
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,616,951; May 1.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,655,425; Jan. 10.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,656,640; Jan. 17.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,668,915; May 8.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,670,513; May 22.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,673,289; June 12.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,673,687; June 12.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,674,599; June 19.

- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,726; Aug. 7.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,727; Aug. 7.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,153; Aug. 7.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,527; Aug. 14.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,793; Aug. 14.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,681,243; Aug. 21.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,683,979; Sept. 11.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,687,026; Oct. 9.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-soldering device. 1,688,722; Oct. 23.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,690,825; Nov. 6.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,690,826; Nov. 6.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,690,867; Nov. 6.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,694,923; Dec. 11.
- Kurowski, Alfred C. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,696,243; Dec. 25.
- Kurten, Mathies. (See Wheary, G. H. and Kurten.)
- Kurtz, Charles F., assignor of one-half to H. E. Long, Rock Island, Ill. Vending-machine case. Des. Re16,843; Jan. 3.
- Kurtz, Philip, Philadelphia, Pa. Golf game. 1,656,739; Jan. 17.
- Kurtz, Philip, Philadelphia, Pa. Golf game apparatus. 1,656,740; Jan. 17.
- Kurtz, Philip, Philadelphia, Pa. Golf game board. 1,687,217; Oct. 9.
- Kurtz, Samuel E., Sac City, Iowa. Flexible belt power take-off. 1,658,344; Feb. 7.
- Kurtz, Samuel E., Sac City, Iowa. Ice saw. 1,672,893; June 12.
- Kurtz, Stewart S., Jr., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Treating air bags. 1,694,879; Dec. 11.
- Kurtze Flexible Coupling Company. (See Kurtze, Reimar C. F., assignor.)
- Kurtze, Reimar C. F., Milwaukee, Wis., assignor to Kurtze Flexible Coupling Company. Coupling. 1,659,693; Feb. 21.
- Kury Bros. Co. (See Berndt, Arthur A., assignor.)
- Kurz, Gustave A., Zanesville, Ohio. Glove. 1,661,951; Mar. 6.
- Kurz, Gustave A., Zanesville, Ohio. Reinforced hand covering. 1,673,517; June 12.
- Kurz-Kasch Company. (See Kasch, Henry J., assignor.)
- Kurz, Otto, Chicago, Ill. Bracket for rods and the like. 1,660,795; Feb. 28.
- Kurzweil, Ethel. (See Bitetto, Vincent, assignor.)
- Kus, Thomas G., assignor, by mesne assignments, to Chicago Trust Company, trustee, Chicago, Ill. Coke oven. 1,676,736; July 10.
- Kusber, Joseph, Jr. (See Fabor, M. F., and Kusber.)
- Kusel, Isidor J., Chicago, Ill. Coin bank. 1,674,252; June 19.
- Kuskin, David, New York, N. Y., assignor to Full View Windshield Wiper, Inc. Windshield wiper. 1,696,044; Dec. 18.
- Kusper, Albert, Dayton, Ohio, assignor of one-half to W. Stefanowski. Tire. 1,661,373; Mar. 6.
- Kuss, Ernst, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of paraformaldehyde. 1,666,708; Apr. 17.
- Kusterle, Frank, assignor to Simmons Company, Kenosha, Wis. Bolted connection for bedstead-corner locks. 1,675,564; July 8.
- Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Mattress ventilator. 1,691,629; Nov. 13.
- Kusterle, Frank, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Crib and adjustable spring-bottom support therefor. 1,694,659; Dec. 11.
- Kusters, Wilhelm, Aachen, Germany. Liquid-level indicator. 1,665,667; Apr. 10.
- Kustner Freres & Cie. Société Anonyme. (See Froidevaux, Marcel, assignor.)
- Kutarna, Jakob, Regina, Saskatchewan, Canada. Tandem bicycle. 1,687,218; Oct. 9.
- Kutchka, Karl G., Wilkinsburg, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for rolling glass. 1,657,214; Jan. 24.
- Kutchka, Karl G., Wilkinsburg, and T. H. Swartzlander, Aspinwall, Pa., assignors to Pittsburgh Plate Glass Company. Glass-melting tank. 1,661,836; Mar. 6.
- Kutschbach, Paul, Harburg, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Liquid-expressing apparatus. 1,661,614; Mar. 6.
- Küttel, Karl, Vienna, Austria, assignor of one-fourth to E. J. Watzl, Cleveland, and one-fourth to H. J. Trenkamp, Cleveland Heights, Ohio. Producing metal glutins and product thereof. 1,686,281; Oct. 2.
- Kutter, Herman L., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper-making machine. 1,662,929; Mar. 20.
- Küttner, Firm Fr. (See Wagner, Albert, assignor.)
- Kuyser, Jan A. (See Townend, R., and Kuyser.)
- Kuzelewski, Adalbert R., assignor to one-half to Marburg Brothers, Inc., New York, N. Y. Fluid or air controlling and operating device for machine tools or the like. 1,690,541; Nov. 6.
- Kuzma, John R., and A. Ostrochovsky, assignors to Manhattan Button Machine Co. Inc., New York, N. Y. Button-blank machine. 1,669,058; May 8.
- Kvanbeck, H. K., et al. (See Weed, Harley D., assignor.)
- Kvanbeck, Jacob, et al. (See Weed, Harley D., assignor.)
- Kvare, Olea, McIntosh, Minn. Clothes carrier. 1,666,536; Apr. 17.
- Kvist, Paul, Seattle, Wash. Hair-cutting device. 1,682,289; Aug. 28.
- Kwart Brothers. (See Phillips, Bernard, assignor.)
- Kwartin, Bernard, Philadelphia, Pa. Combined safety razor, hair trimmer, and comb. 1,683,980; Sept. 11.
- Kwasnicki, Adolf, Brooklyn, N. Y. Doll or the like. 1,676,096; July 3.
- Kwik-Mix Concrete Mixer Co. (See Gilson, Michael, assignor.)
- Kwik Steps Co. (See Norman, William S., assignor.)
- Kyle, Arch, assignor to Knoxville Glove Company, Knoxville, Tenn. Glove. 1,696,095; Dec. 18.
- Kyle, Edward M., and E. F. Hurley, Lakeport, N. H. Electric circuit closer. 1,667,037; Apr. 24.
- Kyle, Royal N., Gardnerville, Nev. Propeller. 1,686,214; Oct. 2.
- Kyle, Samuel C., New York, N. Y. Smoker's stand. Des. 74,837; Apr. 3.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Line-conductor insulator. 1,663,011; Mar. 20.
- Kyle, William D., and L. E. Hendee, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Insulator. 1,674,905; June 26.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Secondary rack. 1,686,215; Oct. 2.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Insulating rack. 1,686,216; Oct. 2.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Cap for ground members. 1,693,848; Dec. 4.
- Kyle, William D., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Insulator rack. 1,696,491; Dec. 25.
- Kyrklund, Carl H., Winthrop, Minn. Cultivator-shovel structure. 1,691,292; Nov. 13.
- Kysor, Walter A., Allegan, Mich. Combined muffler and heater. 1,684,186; Sept. 11.
- L. A. Ice and Cold Storage Company. (See Drees, A. J., Rock, and Reeves, assignors.)
- L. G. S. Devices Corporation. (See Lieber, Albert, assignor.)
- L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
- L. & R. Company, The. (See Lipschutz, David, assignor.)
- L. T. N. Manufacturing & Development System, The. (See La Plant, Simeon H., assignor.)
- Labadie, Harry H., and B. Beers; said Beers assignor to Knickerbocker Case Company, Chicago, Ill. Sample case. 1,667,938; May 1.
- La Bar, Bert G. (See Mylius, W. G., and La Bar.)
- La Bar, Bert G., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,691,354; Nov. 13.
- La Barre, Eugene G., Detroit, Mich. Display rack. 1,691,576; Nov. 13.
- La Bean, William J., assignor to Briggs Manufacturing Company, Detroit, Mich. Water-cooled cable connection for electric welding. 1,674,829; June 26.
- Labisky, Henry S., Seattle, Wash. Washing-machine agitator. 1,661,763; Mar. 6.
- La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Method and appliance for marking waxed-paper containers. 1,674,047; June 19.
- La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Machine for making pail-shaped boxes. 1,674,624; June 19.
- La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Feeding and forming box machine. 1,696,204; Dec. 25.

- La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Sanitary napkin. 1,696,205; Dec. 25.
- Labombarde, Elie W., Nashua, N. H. Paper box. 1,667,975; May 1.
- Labombarde, Elie W., Nashua, N. H. Method and machine for gloss-coating paper. 1,681,350; Aug. 21.
- Labombarde, Harold S., Nashua, N. H. Blank feeder. 1,668,967; May 8.
- Labombarde, Harold S., Nashua, N. H. Machine for feeding blanks. 1,693,928; Dec. 4.
- Labombarde, Harold S., Nashua, N. H. Method of and machine for waxing blanks. 1,696,894; Dec. 25.
- La Bour, Harry E., Homewood, Ill. Steam-heating system. 1,674,115; June 19.
- La Bour, Harry E., Homewood, Ill. Valve. 1,679,907; Aug. 7.
- Labram, Alfred, Osterley Park, England, assignor to Whiting-Patterson Co., Inc. Cover paper or similar material. Des. 74,794. Mar. 27.
- La Branch, Louis, Dayton, Ohio. Oil burner. 1,668,773; May 8.
- Labre, Philip F., Spalding, Mich. Grounding receptacle and plug. 1,672,067; June 5.
- La Breck, Frank A., Eau Claire, Wis. Obstetrical delivery forceps. 1,672,570; June 5.
- La Brie, Ludger E., South Bend, Ind. Brake shoe. 1,671,728; May 29.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,657,860; Jan. 31.
- La Brie, Ludger E., South Bend, Ind., assignor to Motor Industries, Inc. Two-part wheel. 1,662,581; Mar. 13.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Retarding mechanism. 1,669,985; May 15.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Company, Chicago, Ill. Brake. 1,669,986; May 15.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,670,729; May 22.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Internal brake. 1,671,645; May 29.
- La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Shoe for brakes. 1,671,729; May 29.
- Lacasse, Solomon. (See Tully, G. L. and Lacasse.)
- Lacasse, Solomon, assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,674,723; June 26.
- Lacene Manufacturing Company. (See Cogswell, Leander A., assignor.)
- Lacerda, Harry A., Watervliet, N. Y. Driver chuck. 1,686,412; Oct. 2.
- Lacey, John S., Columbus, Ohio. Device for expressing juices from fruits. 1,661,374; Mar. 6.
- Lach, Joseph S., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Securing or clamping means for lock cylinders. 1,684,230; Sept. 11.
- Lach, Joseph S., Bridgeport, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Automobile lock means. 1,692,668; Nov. 20.
- Lach, Joseph S., Bridgeport, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locking device. 1,696,045; Dec. 18.
- La Chapelle, Euclid I., Brockton, Mass. Shoe bottom. 1,658,170; Feb. 7.
- La Chapelle, Euclid I., Brockton, Mass. Machine for operating upon soles. 1,659,032; Feb. 14.
- La Chapelle, Euclid I., Brockton, Mass. Preparing leather outsoles for boots and shoes. 1,669,987; May 15.
- La Chapelle, Euclid I., Brockton, assignor to C. C. Blake, Incorporated Boston, Mass. Inseam-sewing machine. 1,692,453; Nov. 20.
- La Chapelle, Fred M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 1,683,680; Sept. 11.
- Lachman, Maurice, New York, N. Y. Metal car end. 1,662,193; Mar. 13.
- Lackey, Le Roy, Detroit, Mich. Scale. 1,668,774; May 8.
- Lackey, Robert M. (See Kleebauer, C. P. and Lackey.)
- Lackey, William S., Camden, N. J. Transparent, folding, rain-proof window screen. 1,658,809; Feb. 14.
- Lackland, Edgar C., assignor to Rockbestos Products Corporation, New Haven, Conn. Electrical heater element. 1,655,838; Jan. 10.
- Lackner, Michael J., Dortmund, Germany. Burner for regenerative furnaces. 1,685,543; Sept. 25.
- Lackner Products Corporation. (See Lackner, Rolph J., assignor.)
- Lackner, Rolph J., Ozone Park, assignor to Lackner Products Corporation, Brooklyn, N. Y. Combined light globe and traffic signal. Des. 77,010; Nov. 27.
- La Clair, Lewis W., Bakersfield, Vt. Roofing-paper cutter. 1,672,416; June 5.
- Laclede-Christy Clay Products Co. (See Burnet, Samuel F., assignor.)
- Laclede Steel Company. (See Young, Lafayette, assignor.)
- Lacoss, Edward W., Florence, Kans. Paring knife. 1,676,699; July 10.
- La Coursiere, Louis C. (See Miller, Rudolph, assignor.)
- La Crosse Rubber Mills Company. (See Funk, A. S., and Bott, assignors.)
- L'Action à Distance et al. (See Chirol, Maurice, assignor.)
- Lacy, Edward J., New York, N. Y. Method and apparatus for reducing carbon monoxide in motor exhaust gases. 1,675,611; July 3.
- Lacy, William A., Springfield, Mass. Holder. 1,686,526; Oct. 9.
- Ladd, Charles W., Chipman, assignor of one-half to T. Sing, Edmonton, Alberta, Canada. Hillside plow. 1,685,365; Sept. 25.
- Ladd, George T., Pittsburgh, Pa., assignor to Ladd Water Tube Boiler Company, New York, N. Y. Boiler. 1,666,659; Apr. 17.
- Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Method of and apparatus for casting. 1,655,064; Jan. 3.
- Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe and Foundry Company, Burlington, N. J. Automatic skid. 1,682,133; Aug. 28.
- Ladd, John W., Company. (See Ladd, J. W., and Jordan, assignors.)
- Ladd, John W., Company. (See Ladd, J. W., Williams, and Jordan, assignors.)
- Ladd, John W., Co. (See Williams, Henry B., assignor.)
- Ladd, John W., and C. C. Jordan, assignors to John W. Ladd Company, Detroit, Mich. Bottle washing, rinsing, and sterilizing apparatus. 1,678,780; July 31.
- Ladd, John W., H. B. Williams, and C. C. Jordan, assignors to John W. Ladd Company, Detroit, Mich. Bottle-washing machine. 1,678,781; July 31.
- Ladd, Lester L., assignor to Photometric Products Corporation, Chicago, Ill. Selective control device. 1,685,921; Oct. 2.
- Ladd Water Tube Boiler Company. (See Ladd, George T., assignor.)
- Laddon, Isaac M., W. A. Ring, and F. W. Herman, Dayton, Ohio, assignors to Bendix Brake Company, Chicago, Ill. Wheel. 1,659,365; Feb. 14.
- Laddon, Isaac M., W. A. Ring, and F. W. Herman, Dayton, Ohio, assignors to Bendix Brake Company, Chicago, Ill. Wheel. 1,659,366; Feb. 14.
- Ladislau, Henry R., Los Angeles, Calif. Composition of matter. 1,695,693; Dec. 18.
- Ladwig, Amos F., Waterloo, Iowa. Combination hanger. 1,676,737; July 10.
- Laemmel, Charles A., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Cutter or knife for meat-grinding machines. 1,690,904; Nov. 6.
- Laemmel, Charles A., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Plate for meat-grinding machines. 1,695,898; Dec. 18.
- Laemmle, George J., New Rochelle, assignor to Barnett Leather Company, Inc., New York, N. Y. Shearing fur pelts. 1,661,483; Mar. 6.
- Laemmle, George J., New Rochelle, assignor to Barnett Leather Company, Inc., New York, N. Y. Dyeing fur pelts. 1,663,849; Mar. 27.
- Laemmle, George J., New Rochelle, assignor to Barnett Leather Company, Inc., New York, N. Y. Stencil dyeing designs on fur pelts. 1,663,850; Mar. 27.
- Laencher, Frederick W., Elmhurst, assignor to A. Kimball Company, New York, N. Y. Marking-ticket strip. 1,678,675; July 31.
- Laessig, William. (See Saal, Christian L., assignor.)
- Laessker, Jean, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Machine for forming internal grooves in gears, etc. 1,687,252; Oct. 9.
- Laeger, Paul, assignor to the firm of J. R. Geigy S. A., Basel, Switzerland. Manufacture of acid dyestuffs of the phenonaphthosafranin series. 1,683,559; Sept. 4.
- Laffier, Nelson A. (See Laffier, Ollie L., and N. A.)
- Laffier, Ollie L., Minneapolis, and N. A. Laffier, Argyle, Minn. Washing machine. 1,664,118; Mar. 27.
- Lafferty, Jacob W., assignor of one-half to J. M. Lafferty, Mechanicsburg, Ohio. Door for hogpens. 1,694,598; Dec. 11.
- Lafferty, John M. (See Lafferty, Jacob W., assignor.)
- Laffey, William J., Chicago, Ill. Automatic tire fastening and releasing means. 1,673,570; June 12.
- Laffin, James E., Berlin, N. H., assignor, by mesne assignments to Chemicolor Wood Preserving Co. Treating trees. 1,682,760; Sept. 4.
- Lafite, Roger G., Liberty, Mo. Temperature-indicating device. 1,654,822; Jan. 3.
- Lafite, Roger G., Kansas City, Mo. Brush holder for electric generators or motors. 1,694,709; Dec. 11.
- Laffam, Alfred P., Burlington, Vt. Attachment for combing machines. 1,690,983; Nov. 6.
- La Fon, Alphonse. (See Davis, S., and La Fon.)
- La Fontaine, Edward J., Minneapolis, Minn. Refrigerator counter. 1,668,212; May 1.
- Lafoon, Richard S., Richmond, Va. Weather shield. 1,688,241; Oct. 16.
- La France, David J., Somerville, assignor to The Carter's Ink Company, Cambridge, Mass. Fountain pen. 1,669,714; May 15.
- La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Conveying apparatus. 1,669,474; May 15.

- La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Glass-delivery apparatus. 1,669,475; May 15.
- La France, Richard, Toledo, Ohio. Differential timing device. 1,685,166; Sept. 25.
- La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Glass-feeding mechanism. 1,692,553; Nov. 20.
- Lagaard, Alexander S. T., Minneapolis, Minn. Cabinet for a coin-controlled game apparatus. Des. 77,106; Dec. 4.
- Lagall, Leo, El Reno, Okla. Internal-combustion engine. 1,685,639; Sept. 25.
- Lagana, Philip, Darien, Conn. Calipers. 1,672,765; June 5.
- Lage, Ernst A., Wandsbek, near Hamburg, Germany. Production of photographic plates, films, and the like for indirect three-color photography. 1,683,560; Sept. 4.
- Lagergren, Jonas T., Erie, Pa. Compressor. 1,659,603; Feb. 21.
- La Hatte, Cicero, Vicksburg, Miss. Store front or similar article. Des. 76,024; Aug. 14.
- La Hatte, Cicero, Vicksburg, Miss. Merchandise support. 1,684,707; Sept. 18.
- Lahey, Frank J., Oakland, Calif. Shock absorber. 1,655,552; Jan. 10.
- Lahey, Frank J., Portland, Oreg. Pivoted luggage carrier. 1,667,208; Apr. 24.
- Lahey, James J. (See Mickaelson, Bernard L., assignor.)
- La Hodny, William, assignor to Standard Mirror Co. Inc., Buffalo, N. Y. Mirror bracket. 1,685,544; Sept. 25.
- La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Rear-view mirror for automobiles. 1,687,572; Oct. 16.
- La Hodny, William, assignor to Standard Mirror Company Inc., Buffalo, N. Y. Windshield-wing mounting. 1,689,035; Oct. 23.
- La Hodny, William, and F. X. Kibitz, assignors to Standard Mirror Company, Inc., Buffalo, N. Y. Fastener for glass plates. 1,688,425; Oct. 23.
- Lahousse, Joseph E. G., Lyon, assignor to Societe pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Apparatus for the manufacture of artificial silk. 1,695,111; Dec. 11.
- Labr, Harry I., and O. E. Swartz, assignors to The Ohio Match Company, Wadsworth, Ohio. Conveyor mechanism for match machines. 1,681,863; Aug. 21.
- Labr, Harry I., assignor to The Ohio Match Company, Wadsworth, Ohio. Elevator mechanism for conveyers. 1,687,573; Oct. 16.
- Lahti, Wilho E., Windsor, Calif. Music-leaf turner. 1,684,283; Sept. 11.
- Laib, William L., Oak Park, Ill. Support for lamps. 1,693,238; Nov. 27.
- Laidlaw, Walter G., assignor to Kleen Kap Corporation, Syracuse, N. Y. Bottle closure. 1,669,715; May 15.
- Laign, Thomas J., Clarksburg, W. Va. Brake beam. 1,659,740; Feb. 21.
- Lainer, Abraham A., Worcester, Mass. Holding and clamping device. 1,694,474; Dec. 11.
- Laing, Arthur J., Dearborn, Mich. Conduit bender. 1,672,068; June 5.
- Laing, Bryan. (See Nielsen, Harald, assignor.)
- Laing, John B., et al. (See Stroup, Robert D., assignor.)
- Lair, Robert, Kingston, Wash. Excavator. 1,680,555; Aug. 14.
- Lair, Robert, Kingston, Wash. Steering mechanism. 1,680,556; Aug. 14.
- Laird, Frank J., Butte, Mont. Valve. 1,675,979; July 3.
- Laird, Isaac L., assignor to Bird Machine Company, South Walpole, Mass. Screen for paper making. 1,675,612; July 3.
- Laird, Isaac L., assignor to Bird Machine Company, South Walpole, Mass. Screen for paper making. 1,675,613; July 3.
- Laird, Robert J., Auckland, New Zealand. Pole connector of electric batteries. 1,675,114; June 26.
- Laird, Robert L., Dallas, Tex. Cigarette case. 1,693,036; Nov. 27.
- Laird, Wesley E., Pittsfield, Mass., assignor to General Electric Company. Time recorder. 1,670,633; May 22.
- Laird, Wilbur G., assignor, by mesne assignments, to Heat Treating Company, New York, N. Y. Process and apparatus for the treatment of substances with heat. Re16,971; May 22.
- Laird, Wilbur G., assignor to H. L. Doherty, New York, N. Y. Gas-absorption apparatus. 1,666,744; Apr. 17.
- La Joie, Hubert J., East Orange, N. J., Urquhart and F. Pokorny, assignors to Auto Pneumatic Action Company, New York, N. Y. Expression-controlling mechanism for pneumatically-operated musical instruments. 1,666,602; Apr. 17.
- La Joie, Hubert J., assignor to Auto Pneumatic Action Company, New York, N. Y. Mechanism for controlling the dynamics of pneumatically-operated musical instruments. 1,668,159; May 1.
- La Joie, Hubert J., assignor to Auto Pneumatic Action Company, New York, N. Y. Automatic mechanism for operating drawers of automatic musical instruments. 1,680,385; Aug. 14.
- Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Printing tabulator. 1,680,740; Aug. 14.
- Lake, James, jr., Brooklyn, N. Y. Crossbar for motor-cycle handlebars. Des. 74,931; Apr. 17.
- Lake, James, jr., Brooklyn, N. Y. Stabilizer for motor-cycle front forks. Des. 74,932; Apr. 17.
- Lake Lithograph Company, The. (See Ferguson, J. E., and Mooney, assignors.)
- Lake, Ralph H., Putnam, Tex. Nutcracker. 1,656,487; Jan. 17.
- Lake, Simon, Milford, Conn. Concrete building construction. 1,679,040; July 31.
- Lake, Willett R. (See Tucker, Carl L., assignor.)
- Lake, William P., Dayton, Ohio. Overcoat or the like. 1,675,113; June 26.
- Lakewest Corporation. (See Rundell, Rupert E., assignor.)
- Lakewood Engineering Company, The. (See Carr, Edward G., assignor.)
- Laland, Per, Hovik, near Oslo, assignor to Nyegaard & Co., A/S, Oslo, Norway. Bactericidal preparation. 1,662,930; Mar. 20.
- Laler, Jerome M., Burlingame, Calif., assignor, to Chas. Cory & Son, Incorporated, New York, N. Y. Electrical apparatus. 1,663,711; Mar. 27.
- Laliberte, Joseph H., Nashua, N. H., assignor to Nashua Manufacturing Company, Boston, Mass. Wind-down mechanism for spinning frames. 1,695,713; Dec. 18.
- Lally, John, Great Neck, N. Y. Building-column connection. 1,658,129; Feb. 7.
- Lally, John, Great Neck, N. Y. Beam hanger. 1,658,130; Feb. 7.
- Lalonde, Joseph A., Montreal, Quebec, Canada. Display form. 1,680,528; Aug. 14.
- La Londe, Moses, and W. B. Russell, Springfield, Mass.; said La Londe assignor to said Russell. Brake-adjusting device. 1,658,293; Feb. 7.
- Lalor Fuel Oil System Company, The. (See Lalor, James D., assignor.)
- Lalor, James D., assignor to The Lalor Fuel Oil System Company, Inc., Baltimore, Md. Valve. 1,656,280; Jan. 17.
- Lalor, James D., assignor to The Lalor Fuel Oil System Company, Inc., Baltimore, Md. Oil burner. 1,659,573; Feb. 21.
- Lalor, James D., assignor to The Lalor Fuel Oil System Company, Inc., Baltimore, Md. Furnace-firing apparatus. 1,670,626; May 22.
- Lalor, James D., assignor to The Lalor Fuel Oil System Company, Inc., Baltimore, Md. Atomizer. 1,688,585; Oct. 23.
- Lalor, James D., assignor to The Lalor Fuel Oil System Company Inc., Baltimore, Md. Gear pump. 1,689,673; Oct. 30.
- La Lux Manufacturing Company. (See Underwood, Western, assignor.)
- La Mar, Frank C., assignor to Great Western Fuse Company, Inc., Pittsburgh, Pa. Refillable electric fuse. 1,656,121; Jan. 10.
- Lamar, Ralph F., Garden City, Kans. Merry-go-round. 1,667,163; Apr. 24.
- La Marche, George E., Chicago, Ill. Organ-valve-action unit. 1,669,254; May 8.
- Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Web-roll-reloading mechanism. 1,677,561; July 17.
- Lamb, Arthur B., trustee. (See Hetherington, H. C., and Pinck, assignors.)
- Lamb, Arthur B., trustee. (See Krase, H. J., Hetherington and Larson, assignors.)
- Lamb, Carl J., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine. 1,678,065; July 24.
- Lamb, Carl J., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine-cooling means. 1,678,066; July 24.
- Lamb, Carl J., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine cooling means. 1,678,067; July 24.
- Lamb, Charles I., Nashville, Tenn., assignor to The Seng Company, Chicago, Ill. Davenport bed. 1,686,384; Oct. 2.
- Lamb, Donald C., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure-responsive instrument of the Bourdon spring type. 1,685,457; Sept. 25.
- Lamb, Ernest P., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Lock. 1,674,906; June 26.
- Lamb, Frank H., Hoquiam, Wash. Conveyor flight. 1,665,373; Apr. 10.
- Lamb, Frank H., Hoquiam, Wash. Rail-connecting rod. 1,687,840; Oct. 16.
- Lamb, Frederick B., London, assignor to Roadless Traction, Limited, Hounslow, Middlesex, England. Endless track for vehicles. 1,678,149; July 24.
- Lamb, Joseph, Detroit, Mich. Micrometer gauges. 1,690,733; Nov. 6.
- Lamb, Joseph E., and F. W. Schade, New Britain, assignors to Landers, Frary & Clark, Hartford, Conn. Container. 1,684,399; Sept. 18.
- Lamb, Joseph F., and J. F. Smart, assignors to Landers, Frary & Clark, New Britain, Conn. Electric heating device. 1,692,781; Nov. 20.
- Lamb, Leslie J., Oakland, Calif. Artificial leg. 1,684,921; Sept. 18.
- Lambe, Lewis M., Princeton, W. Va. Automatic brake-applying means. 1,670,264; May 15.

- Lamberson, Will H., Schenectady, N. Y. Shade and curtain fixture. 1,657,017; Jan. 24.
- Lambert, Albert J., assignor of one-half to The Lambert Heater & Engineering Company Limited, London, England. Liquid-heating device. 1,684,630; Sept. 18.
- Lambert, Albert L., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Automobile door. 1,670,857; May 22.
- Lambert, Albert L., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Automobile door. 1,670,858; May 22.
- Lambert, Albert L., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Door. 1,670,859; May 22.
- Lambert, Albert L., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Automobile door. 1,671,595; May 29.
- Lambert, Albert L., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Torque device. 1,672,616; June 5.
- Lambert, Arthur, assignor to Cosmic Arts, Inc., New York, N. Y. Treating natural alkaline salts of secondary and tertiary origin. 1,660,561; Feb. 28.
- Lambert, Clara B., Pasadena, Calif. Mop wringer. 1,660,513; Feb. 28.
- Lambert, Cyrille, Lawrence, Mass. Harness stop motion. 1,671,955; May 29.
- Lambert, Edmond H., (See Skinner, R. L., and Lambert.)
- Lambert, Ernest E., Indian Orchard, Mass. Smash preventer. 1,669,340; May 8.
- Lambert, Frank B., and F. E. Lammert, Chicago, Ill. Method and apparatus used in the burning of brick and other material. 1,659,604; Feb. 21.
- Lambert, George E., Salem, assignor of one-fourth to J. W. Duff, Portland, Oreg. Wire-rope clamp. 1,692,993; Nov. 27.
- Lambert Heater & Engineering Company Limited, The. (See Lambert, Albert J., assignor.)
- Lambert, Helen H., executrix. (See Lambert, Henry M.)
- Lampert, Henry H., Chicago, Ill. Bar support and spacer. 1,694,066; Dec. 4.
- Lampert, Henry H., Chicago, Ill. Form clamp. 1,693,239; Nov. 27.
- Lampert, Henry H., Chicago, Ill. Form clamp. 1,693,240; Nov. 27.
- Lampert, Henry H., Chicago, Ill. Form clamp. 1,693,241; Nov. 27.
- Lampert, Henry H., Chicago, Ill. Reenforcing means for concrete beam structures. 1,691,074; Nov. 13.
- Lambert, Henry M., deceased, Portland, Oreg.; H. H. Lambert, executrix. Making pneumatic tires. 1,666,883; Apr. 17.
- Lambert, Henry M., Portland, Oreg., assignor to Lambert Tire & Rubber Co., Barborton, Ohio. Manufacturing tires. 1,688,869; Oct. 23.
- Lambert, John W., Birmingham, Ala. Key-controlled operating mechanism. 1,678,491; July 24.
- Lambert, John W., Birmingham, Ala. Electromagnetic attachment for key-controlled mechanisms. 1,678,492; July 24.
- Lambert, Joseph G., Chicago, Ill. Cooking device. 1,682,384; Aug. 28.
- Lambert, Oswald, Tamise, Belgium. Spinning or twisting frame. 1,656,860; Jan. 17.
- Lambert, Russell A., Springfield, Mass. Display box. 1,663,765; Mar. 27.
- Lambert Tire & Rubber Co. (See Jones, Aley E., assignor.)
- Lambert Tire & Rubber Co. (See Krusemark, Frederick A., assignor.)
- Lambert Tire & Rubber Co. (See Lambert, Henry M., assignor.)
- Lambert, William R., assignor of one-fifth to O. Gilstrap, Norphlet, Ark. Opening device for cans. 1,664,515; Apr. 8.
- Lamberty, Frederick R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunking circuit to centralized operator's position. 1,690,234; Nov. 6.
- Lambie, James M. (See Ross, D. W., and Lambie.)
- Lambie, Alfred. (See Conroy, J. T., Lambie, and Latham.)
- Lamblin, Alexandre, Paris, France. Feeding device for cooling radiators. 1,659,367; Feb. 14.
- Lambot, Joseph, Brussels, Belgium. Charging device for gas producers, shaft furnaces, and the like. 1,668,968; May 8.
- Lambrette, Aubin Membre-Dolhain, Belgium. Machine for drying fabrics and papers in an endless web. 1,692,129; Nov. 20.
- Lamella Roof Syndicate, Inc. (See Pantke, Conrad, assignor.)
- Lamie, Ralph D. (See Reed, H. S., and Lamie.)
- Laminated Shim Company. (See Yordon, John C., assignor.)
- Lamm, Leslie E. (See Matthews, Orville S., assignor.)
- Lammens, Robert B., Los Angeles, Calif. Staining and hardening concrete and the like. 1,666,423; Apr. 17.
- Lammering, Dietrich. (See Zellmann, R., and Lammering.)
- Lammert, Ferdinand E. (See Lambert, F. B., and Lambert.)
- Lammert, Ferdinand E., Chicago, Ill. Fluid separator and heater. 1,679,090; July 31.
- Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Control mechanism. 1,676,994; July 10.
- Lamons, Robert F. (See Hendrix, Joseph B., assignor.)
- La Mont, Charles T., Milwaukee, Wis. Stocking marker. 1,660,077; Feb. 21.
- La Mont, Charles T., Milwaukee, Wis. Stocking marker. 1,665,706; Apr. 10.
- La Mont Corporation. (See La Mont, Walter D., assignor.)
- Lamont, John, Edinburgh, Scotland. Antisplash device for the wheels of road vehicles. 1,675,032; June 26.
- Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Truck bolster. 1,682,529; Aug. 28.
- Lamont, Lewis H., Oak Park, Ill. Thermostatically-controlled heating element. 1,684,544; Sept. 18.
- La Mont, Walter D., Larchmont, assignor, by mesne assignments, to La Mont Corporation, New York, N. Y. Steam generator. Re16,895; Mar. 6.
- Lamontagne, Frédéric, Montreal, Quebec, Canada. Pneumatic action for pipe organs. 1,692,507; Nov. 20.
- La Montagne Patrick P., Bourbonnais, assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Knitting machine. 1,695,734; Dec. 18.
- Lamoree, James K. (See Evans, A. D., and Lamoree.)
- Lamothe, Edward J., Newton, Mass. Barrel truck. 1,672,130; June 5.
- Lamotte, Frederick, Teaneck, assignor of one-half to W. H. Wettlaufer, Englewood, N. J. Fuel economizer. 1,665,630; Apr. 10.
- La Motte, Charles H., Sound Porcupine, Ontario, Canada. Pipe cutter. 1,665,212; Apr. 10.
- Lamour, Charles. (See Hoffmann, F., and Lamour.)
- Lamoureux, Georges, Puteaux, France. Carburetor. 1,695,112; Dec. 11.
- Lampert, Henry H., Chicago, Ill. Bar support and spacer. 1,656,378; Jan. 17.
- Lampert, Henry H., Chicago, Ill. Anchor for floor sleepers. 1,662,645; Mar. 13.
- Lampert, Henry H., Chicago, Ill. Bar support. 1,682,012; Aug. 28.
- Lampl, Alfred, Berlin-Halensee, Germany. Supplemental resistance for serially-mounted lamps. 1,692,272; Nov. 20.
- Lampl, Walter, New York, N. Y. Paper clip or similar article. Des. 75,691; July 3.
- Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Feeding mechanism. 1,676,607; July 10.
- Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for continuously sheathing cores. 1,689,205; Oct. 30.
- Lamplough, Leslie F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for treating vulcanizable material. 1,689,206; Oct. 30.
- Lampre, Celestin, Cleveland, Ohio. Equalizing mechanism for four-wheel brakes. 1,666,881; Apr. 17.
- Lamson Company, The. (See Cowley, James T., assignor.)
- Lamson Company, The. (See Jennings, Chester S., assignor.)
- Lamson Company, The. (See Klyver, Albert N., assignor.)
- Lamson Company, The. (See Knap, Thomas S., assignor.)
- Lamson Company, The. (See Regan, John E., assignor.)
- Lamson, Hubert J. (See Danna, Frank P., assignor.)
- Lamson and Sessions Company, The. (See Province, John and B., assignors.)
- Lamy, Albert W., Lenox, Mass. Elastic shoe lace. 1,673,080; June 12.
- Lancaster Asphalt, Inc. (See Robinson, Thomas, assignor.)
- Lancaster, John S. (See Burn, J. F., and Lancaster.)
- Lancelot, William H., and J. A. Starrak, Ames, Iowa. Dish washer and drier. 1,687,458; Oct. 9.
- Lancia, Vincenzo, Turin, Italy. Motor car. 1,694,546; Dec. 11.
- Land, Charles H., Detroit, Mich. Hydraulic brake and coupling device for tractor trailers. 1,684,836; Sept. 18.
- Land, Charles H., Detroit, Mich. Tractor trailer. 1,686,698; Oct. 9.
- Land, Charles H., Detroit, Mich. Hydraulic-controlled trailer leg. 1,695,497; Dec. 18.
- Land, Charles H., jr., assignor to Fruehauf Trailer Company, Detroit, Mich. Semitrailer. Re17,132; Nov. 13.
- Land, George W., Vancouver, Wash. Tank-cleaning apparatus. 1,666,015; Apr. 10.
- Landahl, Eugene E., Chicago, Ill. Drive and conveyor chain. 1,694,746; Dec. 11.
- Landaiche, Joseph T., Thibodaux, La. Cane stripping and topping machine. 1,663,409; Mar. 20.
- Landau, Willi. (See Kahl, Franz, assignor.)
- Landberg, Margot, assignor of one-half to J. P. Seeburg, Chicago, Ill. Face-spraying device. 1,665,744; Apr. 10.
- Landeck, Michael, Brooklyn, N. Y. Ash-removing grate for ovens. 1,658,563; Feb. 7.
- Landenberger, Kurt, assignor to Hamburg-Amerikanische Uhrenfabrik, Schramberg, Germany. Savings clock. 1,695,593; Dec. 18.
- Lander, James G., Milwaukee, Wis. Box. 1,681,940; Aug. 28.
- Landers, Bert A., Los Angeles, Calif. Christmas tree. 1,689,530; Oct. 30.
- Landers, Frary & Clark. (See Juengst, Fred W., assignor.)
- Landers, Frary & Clark. (See Lamb, J. F., and Schade, assignors.)

- Landers, Frary & Clark. (See Lamb, J. F., and Smart, assignors.)
- Landers, Frary & Clark. (See Smith, Charles F., assignor.)
- Landers, Frary & Clark Company, The. (See Skinner, Sherrod E., assignor.)
- Landers, William H., Collinsville, Ill. Manufacture of lithopone. 1,669,476; May 15.
- Landgraf, Jacob T., assignor to American Steel Products Co., Macomb, Ill. Cleanable poultry fountain. 1,655,274; Jan. 3.
- Landgraf, Jacob T., assignor to American Steel Products Co., Macomb, Ill. Hover for oil-burning brooders. 1,673,334; June 12.
- Landgraf, Jacob T., assignor to American Steel Products Co., Macomb, Ill. Baffle for coal-burning heaters. 1,689,923; Oct. 30.
- Landin, Carl J., Boston, Mass. Tip-applying machine. 1,659,605; Feb. 21.
- Landine, Peter N., Milford, Conn. Folding seat. 1,668,213; May 1.
- Landis, Aaron. (See Lefkowitz, Aaron.)
- Landis, Clifford H. (See Wallace, J. D., and Landis.)
- Landis, George W., Stilwell, Kans. Wire reel. 1,663,766; Mar. 27.
- Landis & Gyr A.-G. (See Beusch, Willi, assignor.)
- Landis & Gyr A.-G. (See Maurer, Franz, assignor.)
- Landis & Gyr Ltd. (See Mettler, Josef, assignor.)
- Landis & Gyr A.-G. (See Pudello, Ciccard, assignor.)
- Landis & Gyr A.-G. (See Vannini, Philipp, assignor.)
- Landis, Herbert A. (See Kelly, P. C., and Landis.)
- Landis, Hugh G., San Francisco, Calif. Electric heater. 1,686,868; Oct. 9.
- Landis, J. Olin. (See D'Ardenne, W. H., Landis, and Christensen.)
- Landis Machine Company. (See Cox, Charles F., assignor.)
- Landis Machine Company. (See Newman, Samuel F., assignor.)
- Landis Machine Company. (See Newman, S. F., and Harper, assignors.)
- Landis Machine Company. (See Shearer, Harry T., assignor.)
- Landis Tool Company. (See Balsiger, Harold E., assignor.)
- Landis Tool Company. (See Rowell, Ralph K., assignor.)
- Landis Tool Company. (See Steiner, Amos P., assignor.)
- Landis Tool Company. (See Stoner, Paul, assignor.)
- Landmesser, Anna. (See Del Faro L., and Landmesser.)
- Landon, Archer A., Buffalo, N. Y. Heating apparatus. 1,667,164; Apr. 24.
- Landon, Archer A., Buffalo, N. Y. Dry-heat bath cabinet. 1,694,858; Dec. 11.
- Landon, Archer A., Buffalo, assignor to Landon Radiator Company, Incorporated, North Tonawanda, N. Y. Radiator. 1,680,219; Aug. 7.
- Landon, Horace Z., Newton, Mass. Mailing tube. 1,673,081; June 12.
- Landon Radiator Company. (See Landon, Archer A., assignor.)
- Landquist, Andrew R., Minneapolis, Minn. Sanding machine. 1,669,094; May 8.
- Landry, Alvin P., Lynn, Mass. Curtain roller. 1,669,255; May 8.
- Landry, Louis, Berwick, Me. Centrifugal brake mechanism. 1,663,012; Mar. 20.
- Landt, Gustave E., Norristown, assignor to Diamond State Fibre Company, Bridgeport, Pa. Synthetic resin and making same. 1,679,312; July 31.
- Landt, John F., St. Paul, Minn. Detachable folding screen. 1,668,849; May 8.
- Landucci, Alfred, Paris, France, assignor, by mesne assignments, to Du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Manufacture of articles of plastic material. 1,658,725; Feb. 7.
- Lane, Albert E., Mantua, N. J., assignor to Victor Talking Machine Company. Lid support. 1,688,464; Oct. 23.
- Lane, Alfred M., St. Louis, Mo. Metal window construction. 1,663,134; Mar. 20.
- Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Woodworking machine. 1,669,716; May 15.
- Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Metal weatherstrip. 1,679,612; Aug. 7.
- Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Weather-stripped metal window. 1,686,668; Oct. 9.
- Lane, Charles F., San Jose, Calif. Elevator. 1,665,101; Apr. 3.
- Lane, Elmer E., Danvers, assignor to H. H. Beckwith, Brookline, Mass. Skiving machine. 1,670,514; May 22.
- Lane, Francis, Brierley Hill, and W. A. Machin, Birmingham, England. Elevator system and apparatus in connection therewith. 1,696,309; Dec. 25.
- Lane, Franklin L., assignor to P. B. Yates Machine Company, Beloit, Wis. Woodworking machine. 1,686,915; Oct. 9.
- Lane, Fred W., and K. M. Anderson, Oakland, Calif. Ice-cream cone. 1,690,984; Nov. 6.
- Lane, George, Poughkeepsie, N. Y. Joist brace. 1,656,741; Jan. 17.
- Lane, George A., Chicago, Ill. Gas meter. 1,655,654; Jan. 10.
- Lane, Henry M., Detroit, Mich. Ladle crane. 1,683,472; Sept. 4.
- Lane, James H., assignor of one-half to H. C. Campbell, Benton Harbor, Mich. Rotatable tool and feeding mechanism therefor. 1,666,624; Apr. 17.
- Lane, James L., assignor to Chicago Fuse Mfg. Company, Chicago, Ill. Switch box. 1,662,275; Mar. 13.
- Lane, Louis, Habana, Cuba. Glazing system. 1,682,291; Aug. 28.
- Lane Manufacturing Company. (See Pitkin, George D., assignor.)
- Lane, Munson H. (See Rushton, Arthur L., assignor.)
- Lane, Susie T., San Diego, Calif. Candle. Des. 76,943; Nov. 20.
- Lang, Adolf, The Hague, Netherlands. Liquid-fuel burner. 1,679,830; Aug. 7.
- Lang, Albion S., Jamaica Plain, Mass. Saxophone cord. 1,665,745; Apr. 10.
- Lang, Alfred A., Winter Haven, assignor to The Van Fleet Company, Florence Villa, Fla. Dusting apparatus. 1,674,048; June 19.
- Lang, Andrew, Edmonton, Alberta, Canada. Automobile body. Des. 76,403; Sept. 25.
- Lang, Caroline E., New York, N. Y. Waterproof bathing case. 1,639,396; Oct. 30.
- Lang, Charles F., Chicago, Ill. Printing press. 1,696,770; Dec. 25.
- Lang, Elmer L. and G. H., Boston, Mass. Marking machine. 1,689,349; Oct. 30.
- Lang, Frank S., Seattle, Wash. Cooking stove. 1,681,773; Aug. 21.
- Lang, Franz, Munich, Germany. Fuel pump. 1,654,938; Jan. 3.
- Lang, Franz, Munich, Germany, assignor, by mesne assignments, to Arco Aktiengesellschaft, Kussnacht am Rigi, Switzerland. Atomizing device. 1,687,672; Oct. 16.
- Lang, Franz, Munich, Germany, assignor to Arco Aktiengesellschaft, Kussnacht-on-the-Rigi, Switzerland. Internal-combustion engine. 1,694,269; Dec. 4.
- Lang, Franz, Stuttgart, Germany, assignor to Aero Aktiengesellschaft, Kussnacht-on-the-Rigi, Switzerland. Combustion-power engine with self-ignition. 1,679,831; Aug. 7.
- Lang, Franz, Stuttgart, Germany, assignor to Arco Aktiengesellschaft, Kussnacht-on-the-Rigi, Switzerland. Combustion-power engine. 1,679,832; Aug. 7.
- Lang, Franz, Stuttgart, Germany, assignor to Arco Aktiengesellschaft, Kussnacht am Rigi, Switzerland. Internal-combustion engine. 1,687,673; Oct. 16.
- Lang, George H. (See Lang, Elmer L. and G. H.)
- Lang, George H., Boston, Mass. Printing machine. 1,695,964; Dec. 18.
- Lang, George L., South Orange, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Indicating means for radio apparatus. 1,675,360; July 3.
- Lang, George R., Pittsburgh, Pa. Coal digging and loading machine. 1,676,097; July 3.
- Lang, Glen I., et al. (See Jackson, Merlin M., assignor.)
- Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Bearing construction for vacuum-cleaner brushes and the like. 1,664,218; Mar. 27.
- Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Bearing structure for vacuum-cleaner brushes and the like. 1,680,741; Aug. 14.
- Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Handle construction for electric vacuum cleaners and the like. 1,683,197; Sept. 4.
- Lang, Hermann, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Producing phosphoric acid. 1,680,625; Aug. 14.
- Lang, James S. (See Nielsen, Frederik, assignor.)
- Lang, John, Wauwatosa, Wis. Bath apparatus. 1,691,577; Nov. 13.
- Lang, John D., Aulander, N. C. Automatic privy-vault cover. 1,664,426; Apr. 3.
- Lang, John O. (See Heaton, A. D., and Lang.)
- Lang, John T., and C. F. Schoefer, Tottenville, N. Y. Sign holder. 1,682,047; Aug. 23.
- Lang, Matthew, Akron, Ohio. Apparatus for producing clay products. 1,663,309; Mar. 20.
- Lang, Maxwell C., Indianapolis, Ind. Finger ring. Des. 74,890; Apr. 10.
- Lang, Philip, Cedar Falls, Iowa, assignor to Wagner Manufacturing Company. Elevator-door-operating mechanism. 1,681,545; Aug. 21.
- Langbein, John, Hamburg, Germany. Composition to be added to cement mixings for cold glazes or the like. 1,695,808; Dec. 18.
- Langdon, Andrew, Port Jervis, N. Y., assignor, by mesne assignments, to Train Control Corporation of America. Automatic train-control apparatus. 1,680,999; Aug. 14.
- Langdon Engineering Corporation. (See Langdon, Jesse D., assignor.)
- Langdon, Jesse D., Los Angeles, Calif. Liquid-measuring valve. 1,658,000; Jan. 31.
- Langdon, Jesse D., Los Angeles, Calif. Liquid-measuring valve. 1,658,928; Feb. 14.
- Langdon, Jesse D., Los Angeles, Calif., assignor to Petroleum Machinery Development Corporation, Reno, Nev. Truss rod. 1,667,209; Apr. 24.
- Langdon, Jesse D., assignor to Langdon Engineering Corporation, Los Angeles, Calif. Reciprocating electric motor. 1,668,278; May 1.

- Langdon, Jesse D., assignor to Langdon Engineering Corporation, Los Angeles, Calif. Fluid-pressure booster. 1,680,460; Aug. 14.
- Langdon, Jesse D., Los Angeles, Calif. Airship. 1,694,880; Dec. 11.
- Langdon, John W., Walla Walla, Wash. Valve. 1,676,034; July 3.
- Lange, Adolph F., Chicago, Ill. Flexible and adjustable gauge. 1,670,456; May 22.
- Lange, Berthold A., St. Louis, Mo. Box joint. 1,655,505; Jan. 10.
- Lange, Berthold A., St. Louis, Mo. Egg crate. 1,661,764; Mar. 6.
- Lange, Carvel H., and E. W. Vollert, Brooklyn, N. Y., assignors to Playmor Golf, Inc. Game. 1,667,481; Apr. 24.
- Lange, Edward C., Mill Valley, Calif. Fuel nozzle and control. 1,678,398; July 24.
- Lange, Felix, Berlin Lankwitz, Germany. Alumino-thermic pressure welding. 1,671,730; May 29.
- Lange, Fritz H. (See Saltzman, J., and Lange.)
- Lange, Hans O., Copenhagen, Denmark. Stuffing material. 1,687,867; Oct. 16.
- Lange, Henry, Quincy, Ill. Gas heater. Des. 74,838; Apr. 3.
- Lange, Henry, Quincy, Ill. Heating stove. Des. 74,839; Apr. 3.
- Lange, Henry, Quincy, Ill. Heater. 1,695,658; Dec. 18.
- Lange, Henry J., Lorain, Ohio. Water heater. 1,696,206; Dec. 25.
- Lange, Louven G., Passaic, N. J. Cap insulator and material and manufacturing the same. 1,657,802; Jan. 31.
- Lange, Max E., and A. L. Evans, East Cleveland, assignors to The Warner and Swasey Company, Cleveland, Ohio. Multiple-tool holder for cross slides of lathes. 1,677,143; July 17.
- Lange, Otto, Chicago, Ill. Revolving teeter. 1,694,785; Dec. 11.
- Lange, Pauly H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Body-forming machine. 1,661,569; Mar. 6.
- Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming machine. 1,687,943; Oct. 16.
- Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Conveying and accelerating device. 1,689,247; Oct. 30.
- Lange, Richard, West Hoboken, N. J. Stamping and embossing press attachment. 1,669,477; May 15.
- Langel, Adrien L., assignor to Chicago Metallic Manufacturing Co., Chicago, Ill. Mounting for baking pans. 1,680,220; Aug. 7.
- Langen, Eero V., Fitchburg, Mass. Collapsible boat. 1,699,936; Nov. 6.
- Langenbach, Edward A. (See Blecker, William M., assignor.)
- Langenbaker, Sylvester A., San Francisco, Calif., assignor to Macheth-Evans Glass Company, Charleroi, Pa. Glass jug. Des. 76,545; Oct. 9.
- Langenbaker, Sylvester A., San Francisco, Calif., assignor to Macheth-Evans Glass Company, Charleroi, Pa. Glass tumbler. Des. 76,817; Nov. 6.
- Langenberg, Frederick C., Watertown, Mass., assignor to E. F. Houghton and Company, Philadelphia, Pa. Carburizer. 1,695,337; Dec. 18.
- Langenberg, Frederick C., Watertown, Mass., assignor to E. F. Houghton and Company, Philadelphia, Pa. Carburizer. 1,695,338; Dec. 18.
- Langenberg, Frederick C., New York, N. Y., and M. A. Grossmann, Canton, Ohio. Steel and making the same. 1,695,594; Dec. 18.
- Langenfeld, Adolph L., New Holstein, Wis. Vehicle-propelling mechanism. 1,659,297; Feb. 14.
- Langenfeld, Herman H., Earlring, Iowa. Carton rack. 1,664,753; Apr. 3.
- Langenheim, Wilhelm. (See Ackermann, H., and Langenheim.)
- Langer, Harry C., Milwaukee, Wis. Making stockings. 1,690,734; Nov. 6.
- Langermeier, George F., Cleveland, Ohio. Storage-battery mold. 1,677,241; July 17.
- Langewisch, John T., Sweet Springs, Mo. Watering trough. 1,664,691; Apr. 3.
- Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Splice bar. 1,659,775; Feb. 21.
- Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Treating worn rail joints. 1,659,776; Feb. 21.
- Langford, George, assignor to McKenna Process Co., Joliet, Ill. Repairing worn rail joints in tracks. 1,670,515; May 22.
- Langford, George W., assignor to Economy Baler Company, Ann Arbor, Mich. Baling press. 1,687,219; Oct. 9.
- Langford, George W., A. C. Barrows, and C. W. Good, assignors to Economy Baler Company, Ann Arbor, Mich. High-density attachment for compresses for cotton bales. 1,679,979; Aug. 7.
- Langford, Jay E., Spokane, Wash. Auxiliary driving mechanism. 1,670,457; May 22.
- Langford, Leonard W., San Francisco, Calif., assignor to Langford Sales Audit Machine Corporation. Sales-recording device. 1,669,765; May 15.
- Langford, Leonard W., San Francisco, Calif. Sales-recording method and machine. 1,669,766; May 15.
- Langford Sales Audit Machine Corporation. (See Baker, Harry E., assignor.)
- Langford Sales Audit Machine Corporation. (See Langford, Leonard W., assignor.)
- Langhaus, Morris, New York, N. Y. Powder duster. 1,690,022; Oct. 30.
- Langhammer, Paul. (See Smith, E. L., Phelon, and Langhammer.)
- Langherst, Fred A., Wexford, Pa. Fluid and gas trap. 1,696,492; Dec. 25.
- Langley, Frank E., assignor to Universal Button Fastening & Button Co., Detroit, Mich. Button-affixing machine. 1,678,616; July 24.
- Langley, Frederick, Cohoes, N. Y. Window cleaner. 1,691,819; Nov. 13.
- Langley, Ralph H., Schenectady, N. Y., assignor to General Electric Company. Radio signaling apparatus. 1,658,643; Feb. 7.
- Langley, Ralph H., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,687,500; Oct. 16.
- Langley, Ralph H., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,687,868; Oct. 16.
- Langmack, John J., Portland, Oreg. Automatic oil pump with sight feed. 1,663,052; Mar. 20.
- Langmack, Roy E., Minneapolis, Minn. Lubricating mechanism. 1,693,788; Dec. 4.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Company. Circuit-control apparatus. 1,691,395; Nov. 13.
- Langridge, Archie W. (See McLaughlan, N. W., and Langridge.)
- Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Stopper for india-ink bottles and the like. 1,696,006; Dec. 18.
- Langston, Samuel M., Wenonah, and K. Sieg, Brooklawn, assignors to Samuel M. Langston Co., Camden, N. J. Cut-off-operating mechanism. 1,660,844; Feb. 28.
- Langston, Samuel M., Wenonah, and K. Sieg, Brooklawn, assignor to Samuel M. Langston Co., Camden, N. J. Cut-off-controlling mechanism. 1,664,119; Mar. 27.
- Langston, Samuel M., Co. (See Langston, S. M., and Sieg, assignors.)
- Langston, William H., Oakland, Calif. Liquid containing and applying means. 1,660,969; Feb. 28.
- Langstroth, Clifford B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Oil-refining still and making the same by electric arc welding. 1,655,931; Jan. 10.
- Langton, Edmund W., and A. G. Dawson, Richmond, Va. Self-locking cotter pin. 1,695,113; Dec. 11.
- Langham, Paul, Lanham, Md. Proportional feed-controlling apparatus. 1,689,491; Oct. 30.
- Langian, James A., Cincinnati, Ohio. Smelting furnace. 1,682,343; Aug. 28.
- Lanka, Artur, Gera, Germany. Accordion. 1,680,052; Aug. 7.
- Laanman, Guy R., El Reno, Okla. Combination brush and dustpan. 1,669,302; May 8.
- Lannmark, Sven E., Stockholm, Sweden. Bottle-rinsing machine. 1,689,492; Oct. 30.
- Lannon, Franklin P., jr., Sand Springs, Okla., assignor to American Smelting and Refining Company, New York, N. Y. Method and apparatus for producing zinc dust. 1,688,426; Oct. 23.
- Lanphere, Clive W., New York, N. Y. Lock mechanism. 1,664,984; Apr. 3.
- Lansdorf, Edwin B., New York, N. Y. Mirror or similar article. 1,76,818; Nov. 6.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,680,557; Aug. 14.
- Lansing, Raymond P., Montclair, N. J., assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y. Engine-starting apparatus. 1,682,971; Sept. 4.
- Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,691,820; Nov. 13.
- Lansinger, John, Clarks Summit, Pa. Liquid-pressure brake. 1,695,194; Dec. 11.
- Lansingh, Van R. (See Mackey, J. C., and Kaufman, assignors.)
- Lantz, Benjamin O., Chicago, Ill. Golf club and the like. 1,658,447; Feb. 7.
- Lantz, Robert. (See Wahl, A., and Lantz.)
- Lantz, Robert, Paris, and A. Wahl, Enghien, assignors of one-half to Societe Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Manufacture of new derivatives of naphthoquinones. 1,666,241; Apr. 17.
- Lanz, Arthur, Oerlikon, Switzerland. Flexible coupling. 1,668,536; May 1.
- Lanz, Heinrich, Aktiengesellschaft. (See Huber, Fritz, assignor.)
- Lanz, Heinrich, Aktiengesellschaft. (See Sipp, Karl, assignor.)
- Lanz, Josef, Mendrisio, Switzerland. Double-sided cuff for men's shirts, blouses, and the like. 1,676,397; July 10.
- Lanz, Valentin. (See Hotz, E., and Lanz.)
- Lanza, Charles. (See Kossuth, L., and Lanza.)
- Lanza, Luigi, Oakland, Calif. Graduated valve. 1,688,390; Oct. 23.

- Lanzendorfer, George, Braintree, assignor to Marstin Adhesive Company, Boston, Mass. Glue and producing glue from casein. 1,659,271; Feb. 14.
- Lanzillotta, Frank R., and C. Moccia, assignors of one-third to R. Lanzillotta, Lynch, Ky. Combined transmission and brake controlling mechanism. 1,673,688; June 12.
- Lanzillotta, Rudolph. (See Lanzillotta, F. R., and Moccia, assignors.)
- La Pierre, Frank H., East Orange, assignor to La Pierre Manufacturing Company, Newark, N. J. Hand mirror or similar article. Des. 76,619; Oct. 16.
- Lapierre, George J., Pawtucket, and T. A. Gilligan, Providence; said Gilligan assignor of one-twentieth to A. P. Bonin, Pawtucket, one-tenth to J. C. Marx, Providence, one-twentieth to L. J. G. Martelle, L. McKenna, and L. V. Boyle, Pawtucket, and one-twentieth to J. W. Plante and E. Plante, Woonsocket, R. I. Automobile license-plate holder. 1,696,804; Dec. 25.
- La Pierre Manufacturing Company. (See La Pierre, Frank H., assignor.)
- Lapinoja, William, Enumclaw, Wash. Brush. 1,684,631; Sept. 18.
- La Place, Desmond R., assignor to Lightning Tacker Company, Pittsburgh, Pa. Stapling machine. 1,655,275; Jan. 3.
- La Plant, Edward, Arlee, Mont. Link for antiskid chains. 1,684,632; Sept. 18.
- La Plant, Simeon H., Salida, assignor to The L. T. N. Manufacturing & Development System, Platteville, Colo. Carburetion system for internal-combustion engines. 1,676,563; July 10.
- Lapointe, Albert A., and D. H. Lapointe, assignors to The Silent Glow Oil Burner Corporation, West Hartford, Conn. Oil burner. 1,657,215; Jan. 24.
- Lapointe, Donald H. (See Lapointe, Albert A. and D. H.)
- Lapointe, Francis J., Ann Arbor, Mich. Oil burner. 1,660,970; Feb. 28.
- Lapointe, Francis J., Ann Arbor, Mich. Hydraulic branching machine. 1,687,369; Oct. 9.
- Lapointe, J. N., Company, The. (See West, Donald H., assignor.)
- Lapolla, Carlo, New Canaan, Conn. Plant support. 1,693,393; Nov. 27.
- La Porte, Joseph, Lomita, Calif. Parachute container and ejector for aeroplanes. 1,666,456; Apr. 17.
- Laporte, Paul C., Clair, New Brunswick, Canada. Winter traction equipment for motor vehicles. 1,663,948; Mar. 27.
- La Porte, Ralph P. (See Pitkin, A. F., and La Porte.)
- Lappas, Nikitas, Peabody, Mass. Fortune-telling device. 1,684,998; Sept. 18.
- Lappley, Clayton J., et al. (See Loescher, Frederick E., assignor.)
- Lapworth, Charles A., West Bridgewater, assignor of one-half to C. E. MacLeod, Easton, Mass. Flag-flying device. 1,660,341; Feb. 28.
- Laraque, Roland. (See Godillot, Edouard, assignor.)
- Larher, Albert J., Harvey, Ill., assignor to Wyman-Gordon Co., Worcester, Mass. Counterweighted crank shaft and making same. 1,660,171; Feb. 21.
- Lardone, Gennaro, et al. (See Losi, Lee F., assignor.)
- Lardy, Guillaume, Peage de Roussillon, assignor to Societe pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Production of artificial yarns or threads. 1,693,759; Dec. 4.
- La Resistia Corset Co. (See Richter, Oliver G., assignor.)
- Lareva, Bert A., Spokane, Wash. Vehicle brake. 1,677,481; July 17.
- Large, Brady D., Lyon Park, Va. Legging. 1,668,458; May 1.
- Large, William P., Chicago, Ill. Laundry washing machine. 1,662,784; Mar. 13.
- Largman, Gray Company. (See Gray, George, jr., assignor.)
- Larkin, David, St. Louis, Mo. Pipe fitting. 1,696,207; Dec. 25.
- Larkin, Dennis F., San Francisco, Calif. Perambulator. 1,667,041; Apr. 24.
- Larkin, Dennis F., assignor to The Larkin Specialty Manufacturing Co., San Francisco, Calif. Step protector. 1,667,040; Apr. 24.
- Larkin, Elwood T., assignor to C. A. Criqui, Buffalo, N. Y. Carburetor. 1,691,201; Nov. 13.
- Larkin Specialty Manufacturing Co., The. (See Larkin, Dennis F., assignor.)
- Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Vertical stripper for wire-circular-rib-knitting machines. 1,666,784; Apr. 17.
- Larkins, Hermon H. (See Mitchusson, B. F., and Larkins.)
- Larm, Albert J., Hagestown, Md. Hair-waving device. 1,690,937; Nov. 6.
- Larned, William A., Summit, N. J., assignor to The Dayton Steel Raquet Company, Dayton, Ohio. Elastic metal stringing and making the same. 1,694,360; Dec. 4.
- Larned, William A., Summit, N. J., assignor to The Dayton Steel Raquet Company, Dayton, Ohio. Elastic metal stringing and making the same. 1,695,595; Dec. 18.
- Larner, Chester W., Philadelphia, Pa. Valve. 1,679,774; Aug. 7.
- La Rochelle, Arthur, Chicago, Ill. Automatic lock hand lever. 1,662,751; Mar. 13.
- Laronde, Philip J., Manchester, N. H. Fuel mixing and supercharging device. 1,686,413; Oct. 2.
- La Rose, William J., North Troy, N. Y. Collar. 1,690,868; Nov. 6.
- Larrabee, Bert G., H. A. Root, and E. S. Cassaday, assignors to Portable Self-Serving Store Company, Houston, Tex. Vending-machine casing. Des. 75,851; July 24.
- Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Driving device for program clocks. 1,680,742; Aug. 14.
- Larrabee, Clinton E., Binghamton, assignor to International Time Recording Company of New York, Endicott, N. Y. Multicolored ribbon-control device for time recorders. 1,684,400; Sept. 18.
- Larrabee, John E. (See Foresman, R. A., and Larrabee.)
- Larrabee, John H., Washington, D. C. Compensating apparatus for pantographs. 1,695,381; Dec. 18.
- Larraburu, John, San Francisco, Calif. Bread proofing, kneading, and molding machine. 1,657,018; Jan. 24.
- Larrigan, Thomas, assignor of one-half to E. Huot, Kanakake, Ill. Faucet. 1,677,242; July 17.
- Larrowe Construction Company. (See Tressler, Donald K., assignor.)
- Larrowe Milling Company. (See Wertenbruch, Antony, assignor.)
- Larry, Edwin C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Check on light-signal lamps. 1,681,000; Aug. 14.
- Larsen, Agnew E., et al. (See Hall, Randolph F., assignor.)
- Larsen, Alfred E., assignor to Unique Lamp & Casting Company, Chicago, Ill. Electric ceiling fixture. Des. 75,920; July 31.
- Larsen, Alfred E., assignor to Unique Lamp & Casting Company, Chicago, Ill. Electric ceiling fixture. Des. 75,921; July 31.
- Larsen, Charles F., New York, N. Y. Igniter for smokers' use. Des. 75,500; June 12.
- Larsen, Charles F., New York, N. Y. Cover for cans. 1,678,399; July 24.
- Larsen, Jacob C. (See Bush, S. P., and Larsen.)
- Larsen, Jacob C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-truck construction. 1,665,417; Apr. 10.
- Larsen, Jacob C., and C. L. Orr, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Six-wheel car-truck constructions. 1,665,416; Apr. 10.
- Larsen, John E., Mills, Mass. Attachment for stringed instruments. 1,694,786; Dec. 11.
- Larsen, Louis, East Orange, assignor to Sundh Electric Company, Newark, N. J. Support for electrical apparatus. 1,686,674; Oct. 9.
- Larsen, Louis G., Jersey City, N. J. Sound-reproducing instrument. 1,689,788; Oct. 30.
- Larsen, Louis H., Englewood, N. J. Raking attachment. 1,676,830; July 10.
- Larsen, Louis J., Long Island City, N. Y. Snap hook for sails. 1,660,927; Feb. 28.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Valve. 1,672,223; June 5.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Deaerating apparatus. 1,684,834; Sept. 18.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Flow regulator. 1,684,835; Sept. 18.
- Larsen, Olaf, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Bottle washing and sterilizing apparatus. 1,688,501; Oct. 23.
- Larsen, Ole C., Minneapolis, Minn. Vise. 1,665,170; Apr. 3.
- Larsen, Oscar T., San Francisco, Calif. Furniture glider shoe. 1,659,540; Feb. 14.
- Larsen, Robert, New York, N. Y. Watchmaker's gauge. 1,681,121; Aug. 14.
- Larsen, Waldemar, Fredriksstad, Norway. Lubricating device for motors and the like. 1,661,615; Mar. 6.
- Larsen, William G., Steger, Ill. Ironing board. 1,669,566; May 15.
- Larsh, Everett P., Dayton, Ohio. Short-circuiting device for motor commutators. 1,678,517; July 24.
- Larsh, Everett P., assignor to The Master Electric Company, Dayton, Ohio. Short circuiter. 1,685,549; Sept. 25.
- Larsh, James E. (See Dreses, H., and Larsh.)
- Larsh, John M., assignor of one-half to W. M. Taylor, and one-fourth to U. G. Smith, Indianapolis, Ind. Saw attachment for the ends of moldboards. 1,668,850; May 8.
- Larson, Albert G., Piedmont, Calif. Air compressor. 1,655,616; Jan. 10.
- Larson, Albert G., assignor of one-half to N. B. Lycke, Piedmont, Calif. Lubricating device. 1,673,410; June 12.
- Larson, Alfred P., Jamestown, N. Y. Arrow gun. 1,691,769; Nov. 13.
- Larson, Alfred T. (See Krase, H. J., Hetherington and Larson.)
- Larson, Alfred T., assignor to Lazote, Incorporated, Wilmington, Del. Ammonia synthesis process and catalyst. 1,667,322; Apr. 24.
- Larson, Alfred T., assignor to Lazote, Incorporated, Wilmington, Del. Ammonia synthesis process and catalyst. 1,667,323; Apr. 24.

- Larson, Andrew G. (See Larson, Carl H. and A. G.)
- Larson, Anna J., Naugatuck, Conn. Pincushion for sewing machines. 1,696,771; Dec. 25.
- Larson, Arthur E., et al. (See Odean, Henry T., assignor.)
- Larson, Arvid G. (See Bardach, L. H., and Larson.)
- Larson, Axel F., assignor to Western Electric Piano Company, Chicago, Ill. Amusement device. 1,658,131; Feb. 7.
- Larson, Carl H. and A. G., San Francisco, Calif. Hose reel. 1,663,410; Mar. 20.
- Larson, Carl O., Seattle, Wash. Automobile direction signal. 1,687,164; Oct. 9.
- Larson, Charles, Chicago, Ill. Scraper. 1,666,334; Apr. 17.
- Larson, Charles L. (See Dahlstrom, F. P., and Larson.)
- Larson, Charles L., Worcester, Mass., assignor to the American Steel and Wire Company of New Jersey. Rail bond. 1,687,297; Oct. 9.
- Larson, David C. (See Lindquist, D. L., Dunn, and Larson.)
- Larson, David C., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Automatic elevator. 1,694,823; Dec. 11.
- Larson, Elvin L., Aberdeen, Wash. Spotlight control. 1,681,486; Aug. 21.
- Larson, Emil S., Stanton, and F. L. Dinsmore, Prescott, Iowa. Typewriter keyboard. 1,687,904; Oct. 16.
- Larson, Enoch, Eldora, Iowa. Display rack. 1,656,439; Jan. 17.
- Larson, Enoch, Eldora, Iowa. Hosiery-display rack. 1,691,293; Nov. 13.
- Larson, Frederick H., Benton Harbor, Mich. Tool chest. 1,655,148; Jan. 3.
- Larson, Henry E., Boyd, Minn. Fence post. 1,658,132; Feb. 7.
- Larson, Hilda M., Tacoma, Wash. Reproducer. 1,684,133; Sept. 11.
- Larson, Ivar C., East Providence, assignor to Beacon Pressed Steel Co., Providence, R. I. Curtain-rod bracket. 1,672,684; June 5.
- Larson, John. (See Schaal, Louis D., assignor.)
- Larson, John, assignor of one-fourth to J. A. Sabin, Walnut Grove, Minn. Combination tire carrier and rim spreader. 1,655,869; Jan. 10.
- Larson, John K., Portland, Oreg. Screw or worm propeller for the propulsion of all kinds of craft for use in water and air. 1,688,639; Oct. 23.
- Larson, John M., assignor to National Regulator Company, Chicago, Ill. Fluid-pressure-control valve. 1,685,286; Sept. 25.
- Larson, John M., assignor to National Regulator Company, Chicago, Ill. Safety device for hot-air furnaces. 1,688,121; Oct. 16.
- Larson, Nellie C., Medicine Hat, Alberta, Canada. Combination ironing board and clothes drier. 1,658,929; Feb. 14.
- Larson, Peter S., assignor of one-half to A. B. Sparboe, Minneapolis, Minn. Grain cleaner. 1,658,604; Feb. 7.
- Larson, Victor P., Racine, Wis. Mixing machine. 1,678,735; July 31.
- Larson, Werner J., West Hartford, assignor to The States Company, Hartford, Conn. Electric switch. 1,671,196; May 29.
- Larsonneur, David L. A., Chicago, Ill. Governor for internal-combustion engines. 1,683,720; Sept. 11.
- Larsson, Lars A., Boston, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,655,189; Jan. 3.
- Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Car, air, and electric coupler system. 1,663,802; Mar. 27.
- Larsson, Markus. (See Liljenroth, F. G., and Larsson.)
- Larsson, Markus, Niagara Falls, assignor to Phosphorus Hydrogen Company, New York, N. Y. Regenerating or reactivating. 1,668,539; May 1.
- Larsson, Thure, Worcester, Mass. Segmental grinding wheel. 1,684,770; Sept. 18.
- Larsson, Thure, assignor to Norton Company, Worcester, Mass. Segmental ring wheel. 1,677,866; July 17.
- Larue, John. (See Johnson, R. C., Soucy, McEwen, and Larue.)
- La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Box or receptacle for holding small articles. 1,661,728; Mar. 6.
- La Salle Brass & Bronze Works, Inc. (See Blumenfeld, Edward G., assignor.)
- Laschenski, Charles W., Trenton, N. J., assignor to New Castle Refractories Company, New Castle, Pa. Kiln-car-deck support. 1,665,631; Aug. 10.
- Laschinger, Edgar J. (See Furnivall, W. H. G., McLaren, and Laschinger.)
- La Schum, Edward E., New York, N. Y. Combination novelty. 1,670,199; May 15.
- Lasher, Thomas B., Fairfield, Conn., assignor to Associated Silver Company, Chicago, Ill. Spoon or similar article. Des. 74,612; Mar. 6.
- Lasher, Thomas B., Fairfield, Conn., assignor to Associated Silver Company, Chicago, Ill. Spoon or similar article. Des. 74,678; Mar. 13.
- Lasher, Hiram S., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,686,014; Oct. 2.
- Lasher, Hiram S., Bronx, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,693,148; Nov. 27.
- Lasher, Hiram S., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,693,149; Nov. 27.
- Lashley, Thomas H., and W. R. Black, Haskell, assignors of one-third to C. A. Overstreet, Muskogee, Okla. Agricultural implement. 1,668,851; May 8.
- Laska, Abraham, assignor to Hipp. Didisheim Company, Inc., New York, N. Y. Watchcase. 1,677,144; July 17.
- Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Azo dyestuffs and making same. 1,657,803; Jan. 31.
- Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Azodyestuff and making same. 1,667,667; Apr. 24.
- Laska, Leopold, and A. Zitscher, Offenbach-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Azo dyestuffs from 2-3-hydroxynaphthoic acid arylides and making the same. 1,678,599; July 24.
- Lasker, George, Chicago, Ill. Boiler. 1,672,617; June 5.
- Lasker, George, Chicago, Ill. Producing sectional boiler drums. 1,659,789; Oct. 30.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Printing tabulator mechanism. 1,668,916; May 8.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Total mechanism. 1,672,385; June 5.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Analyzer unit for tabulating machines. 1,677,897; July 24.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Numbering and counting device. 1,684,545; Sept. 18.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Carriage-return and normalizing mechanism for card-perforating machines. 1,684,546; Sept. 18.
- Lasker, William W., Brooklyn, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Zero-shutter control for printing tabulators. 1,692,215; Nov. 20.
- Lasker, William W., and C. A. Mezger, Brooklyn, assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Contact mechanism for typewriter-key punches. 1,695,965; Dec. 18.
- Lasker, William W., Brooklyn, N. Y., and J. Mueller, North Bergen, N. J., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Sorting machine. 1,665,595; Apr. 10.
- Lassen, Manuel, Detroit, Mich. Pressure-controlled switch. 1,669,202; May 8.
- Lassle, David J., Wishek, N. Dak. Cream-can-cover holder. 1,688,465; Oct. 23.
- Last, Erwin, Vienna, Austria. Electrode to be applied to the human body. 1,692,669; Nov. 20.
- Lasting, Hyman B., Portsmouth, Va. Golf game. 1,675,937; July 3.
- László, Ladislav, Olomouc, Czechoslovakia. Cabinet. 1,659,491; Feb. 14.
- Laterra, John, Patterson, N. Y. Padding and sizing machine for silk or cotton fabric. 1,675,810; July 3.
- Laterra, John, and F. Joy, Paterson, N. J. Banjo hand rest. 1,667,324; Apr. 24.
- Laterra, John, and F. Joy, Paterson, N. J. Banjo hand rest. 1,684,962; Sept. 18.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Base for a floor lamp. Des. 75,165; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Base for a floor lamp. Des. 75,166; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Base for a floor lamp. Des. 75,167; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Base for a floor lamp. Des. 75,168; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Base for a floor lamp. Des. 75,169; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Base for a floor lamp. Des. 75,170; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Arm for a floor lamp. Des. 75,171; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Arm for a floor lamp. Des. 75,172; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Arm for a floor lamp. Des. 75,173; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Arm for a floor lamp. Des. 75,174; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Lamp spindle or similar article. Des. 75,175; May 15.

- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Lamp spindle or similar article. Des. 75,176; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Lamp spindle or similar article. Des. 75,177; May 15.
- La Tessa, Tully, Chicago, Ill., assignor to H. A. Best Lamp Company. Lamp spindle or similar article. Des. 75,178; May 15.
- Latex Products, Inc. (See Loomis, Chauncey C., assignor.)
- Latham, Albert, deceased, Beverly; J. W. Nourbourn, Somerville, Mass., administrator, assignor to American Button & Fastener Co., Augusta, Me. Machine for assembling and mounting articles. 1,681,244; Aug. 21.
- Latham, Albert, deceased, Beverly; J. W. Nourbourn, administrator, Somerville, Mass., assignor to American Button & Fastener Co., Augusta, Me. Supplying apparatus. 1,693,650; Dec. 4.
- Latham, Fred J., Rumford, Me., assignor to The Oxford Paper Company. Suction box for paper-making machines. 1,657,509; Jan. 31.
- Latham, John J. (See Conroy, J. T., Lambie, and Latham.)
- Latham Machinery Company. (See Leschhorn, Ernest, assignor.)
- Latham Machinery Company et al. (See Wolf, John, assignor.)
- Latham Machinery Company. (See Wolf, J., and Leschhorn, assignors.)
- Lathrop, Elbert C. (See Sadtler, S. S., and Lathrop.)
- Lathrop, George M., Nebraska City, Nebr. Convertible automobile seat. 1,658,408; Feb. 7.
- Lathrop, Harry D., Chicago, Ill. Milk-dumping device. 1,690,735; Nov. 6.
- Lathrop-Hoge Gypsum Construction Company. (See Lathrop, Jay C., assignor.)
- Lathrop, Jay C., assignor to Lathrop-Hoge Gypsum Construction Company, Cincinnati, Ohio. Roof and floor construction. 1,688,723; Oct. 23.
- Latour Corporation. (See Latour, Marius, assignor.)
- Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. High-frequency alternator. 1,658,488; Feb. 7.
- Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Static frequency multiplier and modulator. 1,663,135; Mar. 20.
- Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Antenna-circuit arrangement. 1,669,059; May 8.
- Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Antenna-circuit arrangement. 1,673,009; June 12.
- Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Negative-impedance device. 1,687,253; Oct. 9.
- Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Electric coil construction. 1,687,298; Oct. 9.
- Latour, Marius, San Sebastian, Spain, assignor to Latour Corporation, Jersey City, N. J. Wave signaling system. 1,663,712; Mar. 27.
- Latsch, Peter. (See Geiser, G., and Latsch.)
- La Turner, Erben E., Jerome, Idaho. Flexible steam spotter. 1,682,619; Aug. 28.
- Latta, William, Elyart, Mich., assignor to American Logging Tool Co. Peavey. 1,696,852; Dec. 25.
- Latvin, Robert B., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Mold for musical-instrument bodies or similar articles. 1,692,340; Nov. 20.
- Latvala, Juha. (See Hill, S., and Latvala.)
- Latz, Edwin K., assignor to Seligman & Latz, New York, N. Y. Method and material for treatment of the hair in permanent waving. 1,668,775; May 8.
- Latz, Harry, assignor to Harry Latz Service, Inc., New York, N. Y. Device for creating accuracy in the art of boxing. 1,685,495; Sept. 25.
- Latz, Harry, Service, Inc. (See Latz, Harry, assignor.)
- Laub, Hans. (See Lund, H., and Laub.)
- Laub, Henry F., Logan, Utah. Electrical wall socket. 1,669,666; May 15.
- Laubach, Howard M., Omaha, Nebr. Ear-forming apparatus for pop corn. 1,664,120; Mar. 27.
- Laube, Olga. (See Laube, Walter O., assignor.)
- Laube, Walter O., assignor to O. Laube, Chicago, Ill. Combined funeral canopy and stand. 1,662,522; Mar. 13.
- Laubenthal, Francis A., Donna, Tex. Convertible vehicle body. 1,659,741; Feb. 21.
- Lauber, William, Meadowbrook, Pa. Stocking. Des. 75,737; July 10.
- Laubscher, Charles R., Richmond Hill, N. Y. Folding eyeglasses. 1,663,053; Mar. 20.
- Lauby, Aloysius L., Antigo, Wis. Umbrella holder. 1,657,263; Jan. 24.
- Laucks, I. F., Inc. (See Johnson, Otis, assignor.)
- Laucks, I. F. (See Laucks, I. F., and Davidson, assignors.)
- Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Inc., Seattle, Wash. Vegetable glue and making same. 1,689,732; Oct. 30.
- Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Inc., Seattle, Wash. Vegetable glue and making same. 1,691,661; Nov. 13.
- Lauenstein, Georg J. W., Barnstedt, near Luneburg, Germany. Agricultural carriage. 1,687,618; Oct. 16.
- Lauer, Frederick W., Chicago, Ill. Flask. Des. 74,933; Apr. 17.
- Lauer, Karl, Essen, assignor to Fried. Krupp Aktien-gesellschaft, Essen-on-the-Ruhr, Germany. Feeling-bolt-hole gauge. 1,658,994; Feb. 14.
- Läufer, August, Vienna, Austria. Whirlpool filling and parrying plants. Re17,012; June 26.
- Lauffer, Frank P., Irwin, and S. C. Hoey, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Rotor for induction motors. 1,686,699; Oct. 9.
- Lauffer, Jean, Logelbach, France. Pressure and drawing cylinder for spinning machines. 1,665,136; Apr. 3.
- Laugaudin, Eugene J., Paris, France. Pneumatic suspension device for vehicles. 1,680,890; Aug. 14.
- Laugaudin, Eugene J., Paris, France. Fluid-tight piston. 1,694,859; Dec. 11.
- Laugeson, Earl V., Portland, Ore. Circuit closer for direction signals. 1,679,833; Aug. 7.
- Laugbery, Mrs. E. A. (See Schultz, Edward, assignor.)
- Laugbery, William A., Stockton, Calif. Automatic pressure-actuated gravity oiler. 1,693,087; Nov. 27.
- Laughlin, Alexander, jr., deceased; M. M. Laughlin and The Union Trust Co. of Pittsburgh, executors, assignors to Central Tube Company, Pittsburgh, Pa. Method and apparatus for the manufacture of tubes. 1,671,731; May 29.
- Laughlin, Alexander, jr., deceased, Edgeworth; M. M. Laughlin and The Union Trust Co., executors, assignors to Central Tube Company, Pittsburgh, Pa. Method and apparatus for manufacturing tubes. 1,686,700; Oct. 9.
- Laughlin, Alexander, jr., deceased, Edgeworth; M. M. Laughlin and The Union Trust Co., executors, assignors to Central Tube Company, Pittsburgh, Pa. Method and apparatus for the manufacture of tubes. 1,686,701; Oct. 9.
- Laughlin Filter Corporation. (See Laughlin, William C., assignor.)
- Laughlin, Margaret M., et al., executors. (See Laughlin, Alexander, jr.)
- Laughlin, Robert, assignor to Brand Company, Chicago, Ill. Brake-lining composition. 1,693,394; Nov. 27.
- Laughlin, Samuel L., H. F. Braun, and W. J. Smith, Cleveland, Ohio. Oil-burner unit. 1,655,016; Jan. 3.
- Laughlin, Thomas, Company, The. (See Edwards, Doo J., assignor.)
- Laughlin, William C., Glendale, Calif., assignor to Laughlin Filter Corporation, New York, N. Y. Centrifugal machine. 1,655,426; Jan. 10.
- Laubhoff, Henry A., Detroit, Mich. Cake-mold-filling machine. 1,669,526; May 15.
- Laugel, Arthur K., Detroit, Mich. Mold for making metal patterns by electrodeposition. 1,665,062; Apr. 3.
- Lauckhuff, Alfred. (See Prime, O. L., and Lauckhuff.)
- Laun, Louis G., Utica, N. Y. Gravy percolator. 1,687,099; Oct. 9.
- Lauper, John F., Hollandale, Wis. Safety switch. 1,694,270; Dec. 4.
- Laurain, Alfred, assignor to Societe du Caoutchouc Manufacture, Paris, France. Elastic woven fabric and weaving it. 1,670,366; May 22.
- Laurence, Daniel, trustee. (See Sperti, G., Norris, Withrow, and Schneider, assignors.)
- Laurence, I. D. (See Clark, Walter B., assignor.)
- Laurency, Guillaume C., Twickenham, England, assignor of sixty per cent to G. McLean, La Case, Dieppe, France. Forming the fleece or web in carding machines. 1,665,685; May 8.
- Laurent, Antoine A., Minneapolis, Minn. Hypodermic syringe. 1,655,909; Jan. 10.
- Laurentide Company. (See Keay, Herbert O., assignor.)
- Lauria, Carmelo, New York, N. Y. Electrically-displayed writing apparatus. 1,696,548; Dec. 25.
- Laurie, Alexander, Chicago, Ill., assignor to H. F. Lessmann, Des Moines, Iowa. Scoop attachment for traction engines. Re17,025; July 10.
- Lauritsen, Charles C., assignor to Wagner Electric Corporation, St. Louis, Mo. Receiving apparatus for electromagnetic waves. 1,655,553; Jan. 10.
- Laursen, Laurits A., Eau Claire, Wis., assignor of one-fourth to P. F. Laursen, Akron, Ohio. Vulcanizing rubber tubes and rubber tube produced thereby. 1,665,308; Apr. 10.
- Laursen, Laurits A., Eau Claire, Wis., assignor of one-fourth to P. F. Laursen, Akron, Ohio. Vulcanizing rubber. 1,665,309; Apr. 10.
- Laursen, Laurits A., Eau Claire, Wis., assignor of one-fourth to P. F. Laursen, Akron, Ohio. Process and apparatus for vulcanizing rubber articles. 1,665,310; Apr. 10.
- Laursen, Laurits A., Eau Claire, Wis., assignor of one-fourth to P. F. Laursen, Akron, Ohio. Vulcanizing method and apparatus for rubber. 1,665,311; Apr. 10.
- Laursen, Laurits A., assignor of one-fourth to P. F. Laursen, Akron, Ohio. Method of and apparatus for vulcanizing rubber articles. 1,665,312; Apr. 10.
- Laursen, Pearl F. (See Laursen, Laurits A., assignor.)
- Laursen, Viggo. (See Tockar, Nicholas J., assignor.)
- Lausen, Christian A., Fort Worth, Tex. Gas burner. 1,676,564; July 10.
- Lautenschlager, William F., Cincinnati, Ohio. Spark intensifier. 1,684,496; Sept. 13.

- Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Eyeletting machine. 1,689,949; Oct. 30.
- Lauter, Felix, Philadelphia, Pa., assignor to Rohm & Haas Company. Resinous reaction product of urea and formaldehyde. 1,671,596; May 29.
- Lauter, Felix, Philadelphia, Pa., assignor to Rohm & Haas Company. Resinous reaction products of urea and formaldehyde. 1,672,848; June 5.
- Lauter, Ignatz. (See Depew, John, assignor.)
- Lauterbur, Edward J. (See Lauterbur, Frank X. and E. J.)
- Lauterbur, Frank X., Sidney, Ohio. Liquid measuring and tempering device. 1,657,264; Jan. 24.
- Lauterbur, Frank X., Sidney, Ohio. Beater. 1,672,224; June 5.
- Lauterbur, Frank X. and E. J., Sidney, Ohio. Mixing dough. 1,672,264; June 5.
- Lauterbur, Frank X. and E. J., Sidney, Ohio. Dough mixer. 1,680,948; Aug. 14.
- Lautrup, George W. (See Lewis, J. D., and Lautrup.)
- Lautrup, George W., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Brake. 1,660,620; Feb. 28.
- Lauwagie, Peter F., and J. P. Konings, Dell Rapids, S. Dak. Veterinary implement. 1,667,325; Apr. 24.
- La Vallée, Oliver, and O. Lemelin, New Britain, Conn. Overflow alarm. 1,676,565; July 10.
- La Van, Reabourne C., Dayton, Ohio. Helmet. 1,691,202; Nov. 13.
- Lavarack, Frederick C., Montclair, and W. H. B. Lavarack, Norwood Borough, N. J. Bootlet. 1,665,629; Apr. 10.
- Lavarack, William H. B. (See Lavarack, Frederick C. and W. H. B.)
- Lavarack, William H. B., Pine Bush, and B. A. Lundy, Larchmont, N. Y. Railway sign. 1,665,374; Apr. 10.
- Lavarack, William H. B., Pine Bush, N. Y., and D. W. Richards, Roanoke, Va. Parkway cable terminal. 1,667,555; Apr. 24.
- Lavault, André, Paris, France, assignor to Associated Merchandising Corporation. Bottle for perfume or the like. Des. 76,405; Sept. 25.
- Lavault, André, Paris, France, assignor to Associated Merchandising Corporation. Box for perfume, powder, or the like. Des. 76,486; Oct. 2.
- Lavell, Lulu V. (See Ornes, J. S., and Lavell.)
- Lavell, Lulu V., Minneapolis, Minn. Card-table marker. Des. 74,378; Feb. 7.
- Lavell, Lulu V., Minneapolis, Minn. Curtain holdback. Des. 76,315; Sept. 11.
- Lavell, Lulu V., Minneapolis, Minn. Thermometer frame. Des. 76,404; Sept. 25.
- Lavender, Samuel C., Lorenzo, Tex. Hose clamp. 1,690,643; Nov. 6.
- Lavender, Arthur J., assignor to Tilton & Cook Co., Leominster, Mass. Barrette. 1,670,970; May 22.
- Lavergne, Jean, assignor to R. Forest, Paris, France. Rotary machine. 1,693,302; Nov. 27.
- Lavery, John F., Greenfield, Ohio. Broadcast fertilizer distributor. 1,664,078; Mar. 27.
- Lavett, Charles O., assignor by mesne assignments, to Buffalo Foundry & Machine Co., Buffalo, N. Y. Apparatus for spraying and treating liquids. 1,667,291; Apr. 24.
- La Via, Joseph, Long Island City, N. Y. Film reel. 1,692,846; Nov. 27.
- Laviano, Benjamin, J. Alesse, and S. Campagna, San Jose, Calif. Shoe stretcher. 1,677,591; July 17.
- Lavick, Samuel B., Chicago, Ill. Combined display stand and case. Des. 74,934; Apr. 17.
- La Vigne, Jerome R. (See Moore, R. A., and La Vigne.)
- La Vigne, Jerome R., assignor to Waterbury Buckle Co., Waterbury, Conn. Suspender-end loop. 1,687,370; Oct. 9.
- Lavigne, Joseph P., assignor to Griffith, Lavigne & Hamel Company, Detroit, Mich. Wheel. 1,680,265; Aug. 7.
- Lavinder, Philip T., Salem, Va. Machine for making spring bands and like articles. 1,661,696; Mar. 6.
- Lavoie, Joseph, assignor to E. H. Frye, trustee, Detroit, Mich. Combined sadiron and heater. 1,685,030; Sept. 18.
- Lavoisier, Ian J., New Orleans, La., assignor by mesne assignments, to The Burdick Corporation, Milton, Wis. Electric-arc lamp. 1,682,847; Sept. 4.
- Law, Cecil, Golders Green, England. Two-stroke-cycle internal-combustion engine. 1,662,828; Mar. 20.
- Law, John B., Jersey City, N. J. Rim remover. 1,675,938; July 3.
- Law, Sanford S., and A. Jacobson, Coraopolis, Pa. Safety locking device for auto hoods. 1,673,689; June 12.
- Law, William. (See Heald, J. N., and Law.)
- Lawaczek, Franz, Munich, Germany, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Rotary air pump. 1,689,439; Oct. 30.
- Lawler, Ardis C., Ardmore, Okla. Auxiliary chair for vehicles. 1,680,794; Aug. 14.
- Lawler, James J., Mount Vernon, N. Y. Thermostatic valve. 1,659,917; Feb. 21.
- Lawler, James J., Mount Vernon, assignor to Direct-Control Valve Company, New York, N. Y. Automatic heat-controlling regulator. Re17,135; Nov. 13.
- Lawler, James J., Mount Vernon, assignor to Direct-Control Valve Company, New York, N. Y. Automatic heat-controlling regulator. 1,695,809; Dec. 18.
- Lawless, John J., Atlantic City, N. J. Soldering torch. 1,679,249; July 31.
- Lawless, John W., Camden, N. J. Valve structure. 1,660,450; Feb. 28.
- Lawlor, John J., Plainfield, N. J., assignor to New Process Multi-Castings Company. Molding machine. 1,695,925; Dec. 18.
- Lawlor, S. C., Company. (See Lawlor, Simeon C., assignor.)
- Lawlor, Simeon C., Chicago, Ill. Valve. 1,684,837; Sept. 18.
- Lawlor, Simeon C., assignor to S. C. Lawlor Company, Chicago, Ill. Mop wringer. 1,679,980; Aug. 7.
- Lawner, Nicholas, Brooklyn, N. Y., assignor to American Sundries Co. Inc. Electric heater. 1,663,558; Mar. 27.
- Lawrence, Charles, assignor of one-half to W. D. Fulbright, Springfield, Mo. Concrete building block. 1,661,044; Feb. 28.
- Lawrence, Edward A. (See Harvey, George H., assignor.)
- Lawrence, Edward G., and R. B. Blair, assignors to O. B. McClintock Company, Minneapolis, Minn. Case for containing electrical apparatus. Des. 75,571; June 19.
- Lawrence, Frank, and V. F. Halliburton, Tulsa, Okla. Paper-towel-cabinet disposer. 1,688,242; Oct. 16.
- Lawrence, Franklin P., Topeka, Kans., and S. M. Hardaway, Kansas City, Mo. Ticket carrier. 1,661,570; Mar. 6.
- Lawrence, George R., Chicago, Ill. Hygrostat. 1,682,915; Sept. 4.
- Lawrence, Harold S. (See Thomson, R. H., and Lawrence.)
- Lawrence, Harry W., Denver, Colo. Sub or removable building front. 1,676,498; July 10.
- Lawrence, Howard F., assignor to American Engineering Company, Philadelphia, Pa. Stuffing box. 1,673,751; June 12.
- Lawrence, John D., San Diego, Calif. Portable conveyor and pourer. 1,659,109; Feb. 14.
- Lawrence, John D., San Diego, Calif. Interlocking double twin-stud wall structure. 1,673,118; June 12.
- Lawrence, John D., San Diego, Calif. Portable building-material conveyor. 1,679,981; Aug. 7.
- Lawrence, John F. (See Stickler, Gilbert E., assignor.)
- Lawrence, Joseph T., Jersey City, N. J., assignor to Mitchell-Rand Mfg. Co. Stirring mechanism. 1,689,733; Oct. 30.
- Lawrence, Paul A., Grand Island, Nebr. Fuel-injection valve. 1,674,014; June 19.
- Lawrence, Theophilus R., Oakland, Calif. Hand clamp. 1,670,583; May 22.
- Lawrence, Winthrop S., New York, N. Y. Textile dye. 1,684,401; Sept. 18.
- Lawrenz, Emil, Detroit, Mich. Beam compass. 1,662,315; Mar. 13.
- Lawrie, James W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of glycerin by fermentation. 1,678,150; July 24.
- Lawrie, Leslie G. (See Horsfall, R. S., and Lawrie.)
- Lawrie, Leslie G. (See Horsfall, R. S., Lawrie, and Hill.)
- Lawser, Charles W., Bala, assignor to Wicaco Screw & Machine Works, Inc., Philadelphia, Pa. Spinning pump. 1,684,871; Sept. 18.
- Lawson, Caster E., Utica, Ohio. Core for automobile tires. 1,656,742; Jan. 17.
- Lawson, Charles J., Greenville, Miss. Liquid-measuring device. 1,673,690; June 12.
- Lawson, Edward W., West Palm Beach, Fla. Weather vane. Des. 76,316; Sept. 11.
- Lawson, Frederick O., Toronto, Ontario, Canada. Sanitary sandal. 1,686,975; Oct. 9.
- Lawson, James H., Vincennes, Ind. Printing and addressing machine. 1,662,194; Mar. 13.
- Lawson, Joel S., St. James, assignor to Menco Engineering & Manufacturing Company, Inc., Long Island City, N. Y. Clamp for electrical conductors. 1,680,053; Aug. 7.
- Lawson, John F., Brooklyn, N. Y. Electric welding of long seams. 1,677,832; July 17.
- Lawson, John F., Brooklyn, N. Y. Electric welding. 1,678,986; July 31.
- Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism for controlling knitting needles in plating relations. 1,690,076; Oct. 30.
- Lawson, Joseph, Great St. Helens, assignor to Asiatic Petroleum Company, Limited, St. Helens Court, London, England. Filling two containers alternately. 1,681,588; Aug. 21.
- Lawson, Joseph, Great St. Helens, London, assignor to Asiatic Petroleum Company, Limited, St. Helens Court, London, England. Indicating mechanism. 1,684,101; Sept. 11.
- Lawson, Joseph, Great St. Helens, London, assignor to Asiatic Petroleum Company, Limited, St. Helens Court, London, England. Plug cock. 1,685,236; Sept. 25.
- Lawson, Lindley S., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Heater. 1,683,082; Sept. 4.
- Lawson Manufacturing Company. (See Lawson, Lindley S., assignor.)
- Lawson, Robert H. (See Lawson, John and R. H.)

- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inserting fastenings. 1,686,820; Oct. 9.
- Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,686,821; Oct. 9.
- Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Latch needle for knitting machines. 1,673,767; June 12.
- Lawson, Victor R., assignor to Lawson-Whitehead Company, Boston, Mass. Loading rubber heel blanks with washers and tool for use in same. 1,687,674; Oct. 16. Lawson-Whitehead Company. (See Lawson, Victor R., assignor.)
- Lawton, Andrew S., assignor to Mawhinney Las Company, Brockton, Mass. Portable wardrobe. 1,663,949; Mar. 27.
- Lawton, Charles B., Detroit, Mich. Stall for buildings. 1,669,203; May 8.
- Lawton, Charles B., Detroit, Mich. Subterranean building. 1,682,679; Aug. 28.
- Lawton, Esther J., Pine Ridge, Oreg. Device to prevent warping in drying lumber. 1,693,395; Nov. 27.
- Lawyer, Frank W., Placerville, Calif. Distributor attachment for oil cans. 1,696,046; Dec. 18.
- Layman, Frank E., and L. T. Richardson, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Sound-record composition. 1,682,913; Sept. 4.
- Layman, Frank E., and L. T. Richardson, Milwaukee, and O. A. Cherry, Wauwatosa, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Molding plastic bodies. 1,682,914; Sept. 4.
- Layman, Milton R., Johnstown, Pa. Soda-fountain ice-cream machine and manufacturing and dispensing ice cream. 1,675,361; July 3.
- Layne & Bowler Corporation. (See Layne, Mahlon E., assignor.)
- Layne & Bowler Corporation. (See Layne, M. E., and Hall, assignors.)
- Layne, Mahlon E., Houston, Tex., assignor to Layne & Bowler Corporation, Los Angeles, Calif. Rotary well mechanism. 1,656,281; Jan. 17.
- Layne, Mahlon E., Los Angeles, and S. N. Hall, South Pasadena, assignors to Layne & Bowler Corporation, Los Angeles, Calif. Protection for pump bearings. 1,654,740; Jan. 3.
- Laynor, Roger C., Elkridge, Md. Sectional key. 1,662,613; Mar. 13.
- Layton Fire Clay Company. (See Jack, Clarence H., assignor.)
- Lazote Inc. (See Blake, Frank C., assignor.)
- Lazote Inc. (See Claude, Georges, assignor.)
- Lazote, Incorporated. (See Larson, Alfred T., assignor.)
- Lazote Inc. (See Williams, Roger, assignor.)
- Lea, Charles, assignor to The Automatic Merchandizer, Inc., Boston, Mass. Vending machine. 1,669,717; May 15.
- Lea, Charles, assignor to The Automatic Merchandizer Inc., Boston, Mass. Vending machine. 1,683,360; Sept. 4.
- Lea, Charles, assignor to The Automatic Merchandizer Inc., Boston, Mass. Coin-controlled mechanism. 1,683,361; Sept. 4.
- Lea, Charles, assignor to The Automatic Merchandizer Inc., Boston, Mass. Vending machine. 1,694,599; Dec. 11.
- Lea, Charles, Milton, assignor to Shawmut Engineering Company, Boston, Mass. Tube frame. 1,663,501; Mar. 20.
- Lea, Charles Milton, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames. 1,663,502; Mar. 20.
- Lea, Charles, Milton, assignor to Shawmut Engineering Company, Boston, Mass. Spool-retarding device for tube frames. 1,694,881; Dec. 11.
- Lea, John M., Detroit, Mich. Pump. 1,675,115; June 26.
- Lea, Lillian F. M., New York, N. Y. Surface cleaner. 1,672,818; June 5.
- Leach, Charles H., Newton Highlands, Mass. Refining apparatus. Re16,878; Feb. 14.
- Leach, Clarence W. (See Leach, William, assignor.)
- Leach Company. (See Griest, Raymond L., assignor.)
- Leach Company. (See Leach, Elbert C., assignor.)
- Leach Company. (See Reuss, Arnold, assignor.)
- Leach, Elbert C., assignor to Leach Company, Oshkosh, Wis. Mixer-drum construction. 1,680,296; Aug. 14.
- Leach-Gallup Manufacturing Company. (See Gallup, George B., assignor.)
- Leach, Grover C., Brownwood, Tex. Feeder for seed graders. 1,659,742; Feb. 21.
- Leach, Norman W., administrator, et al. (See Leach, William.)
- Leach, Sagito J., and A. C. Eberle, assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Back for automobile seats and the like. 1,684,062; Sept. 11.
- Leach, Vernon G., Chicago, Ill. Burner and method of burning fuel. Re16,984; June 5.
- Leach, William, deceased; N. W. Leach, administrator, Moose Jaw, Saskatchewan, assignor of one-half to C. W. Leach, Ottawa, Ontario, Canada. Flagman's kit. 1,692,746; Nov. 20.
- Leach, William B., Jr., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Method and device for discharging chlorine from tank cars. 1,692,847; Nov. 27.
- League, Robert A., Greenville, S. C. Price-tag holder and attaching device. 1,666,859; Apr. 17.
- Leahy, Herbert V., Los Angeles, Calif. Fluid-fuel furnace. 1,663,713; Mar. 27.
- Leahy, Thomas F., assignor to American Hotel Register Co., Chicago, Ill. Binder. 1,655,017; Jan. 3.
- Leake, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Rebasng lamps. 1,691,014; Nov. 6.
- Leake, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Train-control relay. 1,696,169; Dec. 18.
- Leake, Richard C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Engine relay. 1,696,170; Dec. 18.
- Leake, Thomas C., assignor to Bear Tractor Corporation of America, New York, N. Y. Tractor. 1,677,878; July 17.
- Leake, Thomas C., assignor to Bear Tractor Corporation of America, New York, N. Y. Self-oiling bearing. 1,677,879; July 17.
- Leal, Ricardo R., Matamoros, Tamaulipas, Mexico. Player flute piano. 1,659,467; Feb. 14.
- Leamy, Harry C., Philadelphia, Pa. Combination day bed and embalming board. 1,674,554; June 19.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,657,165; Jan. 24.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,665,269; Apr. 10.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer for rock drills. 1,666,176; Apr. 17.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,670,367; May 22.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,671,431; May 29.
- Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,694,882; Dec. 11.
- Lear, George E., Danville, Ala. Brooder heater. 1,685,879; Oct. 2.
- Lear, Max M., assignor to Monarch Refillable Fuse Company, Jamestown, N. Y. Renewable fuse. 1,663,343; Mar. 20.
- Learned, Park R., assignor to Byron & Learned Company, Minneapolis, Minn. Display device for rectangular containers. 1,659,777; Feb. 21.
- Leary, John C., San Francisco, Calif. Piston. 1,693,280; Nov. 27.
- Lease, Art A. (See Wright, L. B., Yates, and Lease.)
- Lease, John W. (See Clavin, J. M., and Lease.)
- Leash, Homer E., Oakland, Calif. Defective-lumber-repairing machine. 1,685,366; Sept. 25.
- Leash, Homer E., assignor to International Wood Products Co., Niles, Calif. Equipment for manufacturing box parts. 1,693,521; Nov. 27.
- Leather Makers' Process Company. (See De Graff, Ellis A., assignor.)
- Leathers, Ward, Haworth, N. J., assignor, by mesne assignments, to Radio Corporation of America. Radiophograph combination. 1,695,852; Dec. 18.
- Leaver, James M., jr. (See Leaver, James M. and J. M., jr.)
- Leaver, James M., jr., Oakland, Calif. Rotary binding machine. 1,676,956; July 10.
- Leaver, James M., Oakland, assignor to The Pacific Lumber Company, San Francisco, Calif. Manufacture of viscose. 1,659,033; Feb. 14.
- Leaver, James M., Oakland, assignor to The Pacific Lumber Company, San Francisco, Calif. Method and apparatus for making artificial silk. 1,685,640; Sept. 25.
- Leaver, James M. and J. M., jr., Oakland, Calif. Method and apparatus for unstacking lumber. 1,676,957; July 10.
- Leavitt, H. B. (See Radford, Robert L., assignor.)
- Lebanon Steel Foundry. (See Gerhard, Paul E., assignor.)
- Le Baron, Arthur L., Newtonville, assignor to Silver Lake Company, Newton, Mass. Clothesline holder. 1,655,065; Jan. 3.
- Lebby, States L., assignor to Corning Glass Works, Corning, N. Y. Electric incandescent lamp. 1,682,916; Sept. 4.
- Lebby, States L., Corning, assignor to Corning Glass Works, Corning, N. Y. Signal lamp. 1,686,822; Oct. 9.
- Le Beau, Ernest A., assignor to Railway Equipment Company, Chicago, Ill. Spring support for brake beams. 1,659,882; Feb. 21.
- Lebeis, Martin, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Punching machine for statistical cards. 1,680,054; Aug. 7.
- Leberman, Harry, assignor to Groove Lock Co., Inc., New York, N. Y. Receptacle. 1,672,417; June 5.
- Leberman, Harry, assignor to Groove Lock Co. Inc., New York, N. Y. Vanity case. 1,694,185; Dec. 4.
- Lebert, Louis, Pantin, assignor to Societe des Anciens Etablissements A Savy, Jeanjean & Co., Courbevoie, France. Baker Perkins, Ltd., London, England, and himself. Waffle iron or mold. 1,663,378; Mar. 20.

- Lebberz, Harry J., assignor to The Everedy Company, Frederick, Md. Silent door closer. 1,675,980; July 3.
- Lebberz, Harry J., assignor to The Everedy Company, Frederick, Md. Bottle-capping tool. 1,681,144; Aug. 14.
- Le Blanc, Henri L., and H. Beaudoin, East Angus, Quebec, assignors of one-third to E. L. Lessard, Disraeli, Quebec, Canada. Signal device for automobiles. 1,694,345; Dec. 4.
- Le Blanc, Julien T. (See Lewis, Terril G., assignor.)
- Le Blanc, Louis J. (See Fredrick, Edgar, assignor.)
- Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)
- Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F. and Bacon, assignors.)
- Le Blond, R. K., Machine Tool Company, The. (See Kirchenbauer, Louis J., assignor.)
- Le Boeuf, Frank, assignor of one-half to B. O. Bryant, Springfield, Mass. Perfume dispenser. 1,670,458; May 22.
- Lebrucht, Alfred, Nuremberg, Germany, assignor to L. Auerbach & Co., Furth, Germany. Bronze-stamping mill. 1,688,548; Oct. 23.
- Lebson, Samuel, executor. (See Csanyi, Henry, assignor.)
- Le Bus, George F., Electra, Tex. Sand-tester pump. 1,665,967; Apr. 10.
- Le Bus, George F., Electra, Tex. Combination tool for well-drilling operations. 1,693,789; Dec. 4.
- Le Bus, George F., Electra, Tex. Sand-tester pump. 1,696,096; Dec. 18.
- Le Bus, John E., Electra, Tex., assignor of one-sixth to W. Calvert, one-sixth to J. H. Howell, one-sixth to L. D. Embry, one-sixth to G. M. Hamer, and one-sixth to A. L. Robb. Rotary pump. 1,694,329; Dec. 4.
- Lebwohl, Benjamin, New York, N. Y. Laundry safety pin. 1,681,122; Aug. 14.
- Lechler, Firm Paul. (See Hutzenlaub, Eugen, assignor.)
- Leck, Charles W., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Work-locating apparatus. 1,689,881; Oct. 30.
- Leck, John, assignor of one-half to W. A. Dyer, Escondido, Calif. Centering tool. 1,688,819; Oct. 23.
- Leckie, Herbert V., and S. A. North, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Annealing apparatus. 1,696,886; Dec. 25.
- Le Cras, Thomas J., Toronto, Ontario, Canada. Colostomy appliance. 1,656,328; Jan. 17.
- Lecuire, Vital A. (See Talbot, L. J. B., and Lecuire.)
- Ledbetter, Elmer E. (See Shuell, F. W., and Ledbetter.)
- Ledbetter, Elmer E., assignor to The Ever Hot Heater Company, Detroit, Mich. Safety device for gas-radiator systems. 1,685,819; Oct. 2.
- Ledbetter, James C. (See Talbot, W. M., and Ledbetter.)
- Ledbetter, James C., New York, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc. Garment press. Re16,852; Jan. 17.
- Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Press. 1,657,539; Jan. 31.
- Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Conveyer garment press. 1,662,976; Mar. 20.
- Ledbetter, James C., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Press compensator. 1,680,891; Aug. 14.
- Ledbetter, James C., New York, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Power press. 1,688,049; Oct. 16.
- Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment steam and air press. 1,662,975; Mar. 20.
- Ledbetter, James C., Brooklyn, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,667,811; May 1.
- Ledbetter, James C., Brooklyn, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,685,820; Oct. 2.
- Lederer, Ernest A., East Orange, N. J., assignor to Westinghouse Lamp Company. Producing refractory metals. 1,659,205; Feb. 14.
- Lederer, Fred J., Buffalo, N. Y. Marking machine. 1,665,197; Apr. 3.
- Lederer, Frederick J., Buffalo, N. Y. Hoisting machine. 1,676,449; July 10.
- Lederer, Henry, & Bro. Inc. (See Butler, William J., assignor.)
- Lederer, Irving R., Providence, R. I. Bracelet. Des. 76,620; Oct. 16.
- Lederer, Sigmund L., assignor to Providence Stock Company, Providence, R. I. Bracelet hook. Des. 74,513; Feb. 21.
- Ledger, Letcher G. (See Ahern, J. L., and Ledger.)
- Ledig, Kurt K., assignor to American Platinum Works, Newark, N. J. Determining the area and angle of openings in perforated spray heads. 1,688,427; Oct. 23.
- Ledig, Richard G., assignor to A. Macky Co., Philadelphia, Pa. Electric heater. 1,660,928; Feb. 28.
- Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Trunk lock. 1,678,736; July 31.
- Ledru, Marcel J. L., and E. J. Bachmann, Roussillon, assignors to Societe Chimique des Usines du Rhone, Paris, France. Preparation of ethylidene diacetate. 1,672,646; June 5.
- Le Duc, Nancy B., Pasadena, Calif. Soup ladle. 1,654,980; Jan. 3.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Door for automobile bodies. Re16,907; Mar. 20.
- Ledwinka, Joseph, assignor to The Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body. Re17,051; July 24.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Radiator cover. Des. 74,679; Mar. 13.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Front automobile fender. Des. 75,572; June 19.
- Ledwinka, Joseph, assignor to Edward G. Budd Mfg. Company, Philadelphia, Pa. Rear automobile fender. Des. 75,573; June 19.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body. Des. 76,247; Sept. 4.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body side. Des. 76,248; Sept. 4.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body front. Des. 76,249; Sept. 4.
- Ledwinka, Joseph, assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. 1,656,206; Jan. 17.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile door. 1,663,514; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal sedan door. 1,663,515; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Door for automobile bodies. 1,663,516; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Door construction. 1,663,517; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Pressed-metal vehicle door. 1,663,518; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Door for automobile bodies. 1,663,519; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal vehicle door. 1,663,520; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pressed-metal vehicle door. 1,663,521; Mar. 20.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Removable cushion for vehicles. 1,664,121; Mar. 27.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,664,122; Mar. 27.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Muffler for internal-combustion engines. 1,671,829; May 29.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Doorway and post structure for automobile bodies. 1,674,729; June 26.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Glass-run-channel construction. 1,680,461; Aug. 14.
- Ledwinka, Joseph, assignor to Edw. G. Budd Manufacturing Company, Philadelphia, Pa. Removable upholstery for automobile doors. 1,681,941; Aug. 28.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Cowl ventilator. 1,681,942; Aug. 28.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Apparatus for electrical vulcanizing. 1,682,620; Aug. 28.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automatic electric welding machine. 1,691,486; Nov. 13.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Jlg for use in making automobile bodies. 1,694,475; Dec. 11.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Curtain support for automobile doors. 1,694,824; Dec. 11.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile door. 1,694,825; Dec. 11.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Automobile body. 1,694,833; Dec. 11.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Door structure for automobile bodies. 1,696,310; Dec. 25.
- Ledyard, Harry A., and J. J. Jolley, Ashland, Ohio; said Jolley assignor to said Ledyard. Combined transporting and lowering burial apparatus. 1,675,362; July 3.
- Lee, Adelbert B., Akron, Ohio. Brake. 1,685,709; Sept. 25.
- Lee, Aubrey M., assignor to Simplex Ice and Manufacturing Company, Dallas, Tex. Ice-scoring machine. 1,676,192; July 3.
- Lee, Charles H., Los Angeles, Calif., assignor of one-half to L. J. Monson, Fargo, N. Dak. Ring. Des. 76,691; Oct. 23.

- Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. 1,655,149; Jan. 3.
- Lee, Charles L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shipping automobiles. 1,655,150; Jan. 3.
- Lee, Charles W., assignor of fifty per cent to J. Heying, St. Louis, Mo. Porch-swing attachment. 1,689,397; Oct. 30.
- Lee, David A., Alberta, La. Spring-operated fan. 1,659,492; Feb. 14.
- Lee, Donald C., Spokane, Wash. Fluxing compound. 1,670,459; May 22.
- Lee, Dwight B., Detroit, Mich. Combined automobile body and hood. Des. 76,487; Oct. 2.
- Lee, Edwin A., Philadelphia, Pa. Container and display device. 1,667,482; Apr. 24.
- Lee, Eli H., Monrovia, Calif. Game. 1,693,116; Nov. 27.
- Lee, En Fon. (See Hanson, J., and Lee.)
- Lee Engineering Research Corporation. (See Lee, Royal, assignor.)
- Lee, Francis J., Brooklyn, N. Y. Line tightener. 1,661,045; Feb. 28.
- Lee, Frank M., Chicago, Ill., assignor to Sullivan Machinery Company. Drill-sharpening mechanism. 1,680,248; Aug. 7.
- Lee, Frank M., Chicago, Ill., assignor to Sullivan Machinery Company. Drill-sharpening mechanism. 1,680,249; Aug. 7.
- Lee, Frederick W. (See Hall, C. F., and Lee.)
- Lee, Frederick W., Baltimore, Md., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,673,335; June 12.
- Lee, Frederick W., Owings Mills, and M. W. Pullen, Towson, Md., assignors of one-fourth to L. Edelson, Philadelphia, Pa. Alternating-current switch. 1,681,774; Aug. 21.
- Lee, Garnett O., Lynchburg, Va. Drawbar attachment for tractors. 1,655,376; Jan. 3.
- Lee, Gordon, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for percussive tools. 1,696,311; Dec. 25.
- Lee, Harold A., Suva, Fiji Islands. Wind-controlled steering gear. 1,681,415; Aug. 21.
- Lee, Harry S., Plymouth, Mich. Permanent mold construction. 1,685,545; Sept. 25.
- Lee, Harry S., Plymouth, Mich. Controlling metal castings. 1,685,546; Sept. 25.
- Lee, Henry R. (See Gubelmann, I., and Lee.)
- Lee, Howard S., Peabody, assignor to J. Marsh, Danvers, Mass. Electric resistance heating element. 1,694,600; Dec. 11.
- Lee, James F., jr., River Forest, assignor to The Paper Mills Company, Chicago, Ill. Package for stationery. 1,656,379; Jan. 17.
- Lee, James W., assignor to The Challenge Machinery Company, Grand Haven, Mich. Punch-gauging means. 1,660,929; Feb. 28.
- Lee, John, and C. Pearson, Ingersoll, Ontario, Canada. Sheet-metal container. 1,685,367; Sept. 25.
- Lee, John H. (See Martin, William C., assignor.)
- Lee, Josiah E., Erlanger, assignor to The Architectural Metal Products, Incorporated, Covington, Ky. Fire-proof metal door. 1,680,221; Aug. 7.
- Lee, K. O., & Son Company, The. (See Purnis, Theodore S., assignor.)
- Lee, Leif, Youngstown, Ohio. Rolling mill. 1,671,769; May 29.
- Lee, Mathias S., Seattle, Wash. Saw. 1,675,565; July 3.
- Lee, Morse C., Chicago, Ill. Tire-locking device. 1,685,924; Oct. 2.
- Lee, Nelson J., Baltimore, Md. Brick. 1,664,219; Mar. 27.
- Lee, O. Ivan. (See Orelup, J. W., and Lee.)
- Lee, Richard J., Marrero, La. Internal-combustion engine. 1,694,098; Dec. 4.
- Lee, Robert E., Cincinnati, Ohio. Gravity-feed bottle cooling and dispensing cabinet. 1,666,575; Apr. 17.
- Lee, Robert E., Cincinnati, Ohio. Metallic window frame and sash. 1,676,193; July 3.
- Lee, Roger K. (See Summers, C. E., and Lee.)
- Lee, Roger K., assignor to General Motors Research Corporation, Dayton, Ohio. Charge-forming device. 1,662,040; Mar. 6.
- Lee, Roger K., assignor to General Motors Research Corporation, Detroit, Mich. Balancing reciprocating masses. 1,672,164; June 5.
- Lee, Ronald C. (See Lutz, Alfred, assignor.)
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Rock drill. 1,660,201; Feb. 21.
- Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Hydraulic transmission. 1,695,289; Dec. 18.
- Lee Rubber & Tire Corporation. (See Leopold, Frederick, jr., assignor.)
- Lee Rubber & Tire Corporation. (See Leopold, F., jr., and Limbert, assignors.)
- Lee, Rufus E., assignor of one-half to The Panhandle Steel Products Company, Wichita Falls, Tex. Cotton cleaner. 1,686,414; Oct. 2.
- Lee, Thomas. (See Purvis, M., and Lee.)
- Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Combined ignition coil and switch. 1,669,136; May 8.
- Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Electric switch. 1,674,868; June 26.
- Lee, Thomas L., and H. C. Rohr, Rochester, assignors to North East Electric Company, Rochester, N. Y. Electromagnetic instrument. 1,691,203; Nov. 13.
- Lee, William A. (See Westhaver, Harold J., assignor.)
- Lee, William S., R. Pfahler, and D. Nabow, Charlotte, N. C. Apparatus for controlling hydraulic gates. 1,681,487; Aug. 21.
- Lee, Worthy, Council Bluffs, Iowa. Machine for decorticating, scouring, and polishing cereals. 1,693,847; Dec. 4.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Compensated lighting system for motor vehicles. 1,671,246; May 29.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Reverse-current cut-out for vehicle lighting and battery-charging systems. 1,692,216; Nov. 20.
- Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
- Leedham, Bernard, assignor to The Auto Machinery Company Limited, Coventry, England. Ball bearing. 1,671,372; May 29.
- Leedom, Andrew J., Turlock, Calif. Drag. 1,670,265; May 15.
- Leeds Forge Company, Limited, The. (See Gresley, Herbert N., assignor.)
- Leeds & Northrup Company. (See Newman, Paul A., assignor.)
- Leeds & Northrup Company. (See Schofield, William R., jr., assignor.)
- Leeds & Northrup Company. (See Smith, Irving B., assignor.)
- Leeds & Northrup Company. (See Smith, I. B., and Keeler, assignors.)
- Leeds & Northrup Company. (See Wunsch, Felix, assignor.)
- Leedy, A. D. (See Harsin, Frank M., assignor.)
- Leedy, Elmer E., Newark, Ohio. Wire reel. 1,684,037; Sept. 11.
- Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)
- Leeman, Charles R., jr. (See Reinicke, O. R., and Leeman.)
- Leemann, Hans, Bottminger-muhle-Binningen, near Basel, and G. Tagliani, Basel, Switzerland, assignors, by mesne assignments, to Munitec Corporation, Lodi, N. J. Reserve dyeing on vegetable fibers. 1,679,477; Aug. 7.
- Leemann, Hans, Bottminger-muhle-Binningen, near Basel, and G. Tagliani, Basel, Switzerland, assignors, by mesne assignments, to Munitec Corporation, Lodi, N. J. Reserve dyeing on vegetable fibers. 1,679,478; Aug. 7.
- Leemann, Hans, Bottminger-muhle-Binningen, near Basel, and G. Tagliani, Basel, Switzerland, assignors, by mesne assignments, to Munitec Corporation, Lodi, N. J. Reserve dyeing on vegetable fibers. 1,679,479; Aug. 7.
- Leemann, Hans, Bottminger-muhle-Binningen, near Basel, and G. Tagliani, Basel, Switzerland, assignors, by mesne assignments, to Munitec Corporation, Lodi, N. J. Reserve dyeing on vegetable fibers. 1,679,480; Aug. 7.
- Leemann, Hans, Bottminger-muhle-Binningen, near Basel, and G. Tagliani, Basel, Switzerland, assignors, by mesne assignments, to Munitec Corporation, Lodi, N. J. Reserve dyeing on vegetable fibers. 1,679,481; Aug. 7.
- Leeper, Frank, and L. B. Girard, Los Angeles, Calif., assignors to Columbia Mills Incorporated, New York, N. Y. Clamp for cloth. 1,660,078; Feb. 21.
- Leeper, James A., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Welding. 1,660,491; Feb. 28.
- Leeper, James A., Wilkinsburg, and R. J. Strong, Oakmont, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric welding machine. 1,679,041; July 31.
- Leeper, Jesse C., assignor of forty-five one hundredths to G. E. Brayton and ten one-hundredths to C. R. Townsan, Des Moines, Iowa. Radio reception instrument. 1,687,371; Oct. 9.
- Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
- Lees, John W., Los Angeles, Calif. Graver-sharpening and facet-cutting machine. 1,675,981; July 3.
- Leeson, Bruce H., Tynemouth, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Balanced electric protective arrangement for alternating-current systems and relays therefor. 1,673,254; June 12.
- Leeson, Stanley R., Lakewood, Ohio. Combined signal and parking light for motor cars. 1,686,330; Oct. 2.
- Leet, Arthur W., assignor to The Iron King Implement Company, Madison, Ohio. Combined fertilizer distributor and side dresser. 1,661,430; Mar. 6.
- Leet, Lynn T., Montreal, Quebec, Canada. Coin-controlled mechanism for use with vending machines. 1,666,242; Apr. 17.
- Leet, Lynn T., Montreal, Quebec, Canada. Liquid-vending machine. 1,675,222; June 26.
- Leet, Lynn T., Montreal, Quebec, Canada. Liquid-vending machine. 1,695,735; Dec. 18.

- Leevers, Frederic W., London, England, assignor to General Electric Company. Electric heating device. 1,680,743; Aug. 14.
- Lefebvre, Victor, London, England. Rubber flooring. 1,694,476; Dec. 11.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Liquid gun. 1,662,067; Mar. 13.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air gun. 1,686,702; Oct. 9.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Spring air gun. 1,686,752; Oct. 9.
- Lefevre, Arthur, jr., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Display device. 1,689,790; Oct. 30.
- Lefew, Chester M., Huddy, Ky. Railway-frog point. 1,663,714; Mar. 27.
- Leff, Saul, New York, N. Y. Shape-retaining device for hats. 1,695,290; Dec. 18.
- Lefforge, Lawrence, Wabash, Ind. Farm fence. 1,672,947; June 12.
- Leff, Ruby, New York, N. Y. Stocking. Des. 74,680; Mar. 13.
- Leff, Ruby, New York, N. Y. Stocking. Des. 76,025; Aug. 14.
- Leff, Ruby, New York, N. Y. Stocking. Des. 76,756; Oct. 30.
- Leff, Ruby, New York, N. Y. Stocking. Des. 76,757; Oct. 30.
- Lefkowitz, Max, and J. Cohen, New York, N. Y. Spring latch. 1,675,033; June 26.
- Lefkowitz, Aaron, by judicial change of name A. Landis, New York, N. Y. Bag. 1,691,906; Nov. 13.
- Lefkowitz, Jacob, Long Island, assignor to Novel Sales Corporation, New York, N. Y. Changeable price tag. 1,659,298; Feb. 14.
- Le Floch, Georges, Paris, France. Manufacture of dyestuffs from naphthidine. 1,694,884; Dec. 11.
- Lefranc, Jacques, assignor to Societe des Brevets Etrangers Lefranc & Cie, Paris, France. Extraction of butyric acid and its homologues. 1,683,198; Sept. 4.
- Lefranc, Louis, Paris, France. Manufacture of ketones. 1,656,488; Jan. 17.
- Legat, Robert C. (See Prentice, G. E., and Legat.)
- Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Slider for fasteners. 1,679,866; Aug. 7.
- Legat, Robert C., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Shoe fastening. 1,687,372; Oct. 9.
- Legate, William H., West Hartford, assignor of one-half to E. E. Sage, Hartford, Conn. Coating metals. 1,662,008; Mar. 6.
- Legate, William H., West Hartford, assignor of one-half to E. E. Sage, Hartford, Conn. Cigar cutter. 1,662,009; Mar. 6.
- Le Gaucier, Jacques, Chicago, Ill. Condenser. 1,657,166; Jan. 24.
- Legeler, Eberhard, Premnitz, assignor to J. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Continuous purification of raw bisulphide of carbon. 1,672,948; June 12.
- Legerlotz, Helmut, Berlin, Germany. Monoxy- ω -aminoacetophenone derivatives. 1,680,055; Aug. 7.
- Legg, David A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Butyl-acetonic fermentation. 1,668,814; May 8.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Low-pressure indicator. 1,667,861; May 1.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Oscillograph. 1,672,894; June 12.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Galvanometer. 1,680,420; Aug. 14.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,686,669; Oct. 9.
- Legg, Joseph W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,689,836; Oct. 30.
- Legge, Thomas A., Chicago, Ill., assignor to The Adams & Westlake Company. Sash latch. 1,662,829; Mar. 20.
- Le Gloahec, Victor C. E., St. Cloud, France. Manufacture of carpets. 1,686,331; Oct. 2.
- Le Grand, Joseph M., Baltimore, Md., assignor to Carrier Engineering Corporation. Trap. 1,669,417; May 15.
- Le Grand, René P. A., and A. M. Garret, Paris, said Garret assignor to Societe de Vannoise, Ziegler & P. Langlois, St. Mars-la-Briere (Sarthe), France. Automatic duplicating apparatus of the rotary type having an automatic sheet-feeding device. 1,656,207; Jan. 17.
- Le Guen, Francois, Bayonne, N. J. Life-saving device for submarines. 1,668,412; May 1.
- Leguillon, Charles W., Akron, Ohio, assignor to The E. F. Goodrich Company, New York, N. Y. Apparatus for making grommets. 1,665,853; Apr. 10.
- Lehman, Arthur J., Cannelton, Ind. Chair. Des. 77,322; Dec. 25.
- Lehman Brothers Silverware Corporation. (See Branstons, Bernard, assignor.)
- Lehman, Christian S., Lawn, Pa. Combined demountable wheel and rim. 1,657,833; Jan. 31.
- Lehman, Ernst A. (See Arnstein, K., and Lehman.)
- Lehman, John F., assignor, by mesne assignments, to Holcombe Textile Equipment Co. Inc., Birmingham, Ala. Bunch builder. 1,670,860; May 22.
- Lehman, Joseph H., Hasbrouck Heights, N. J. Ignition apparatus. 1,686,527; Oct. 9.
- Lehman, Louis H., Philadelphia, Pa. Hinge. 1,672,418; June 5.
- Lehman, Louis H., Philadelphia, Pa. Corner joint. 1,672,419; June 5.
- Lehman, Louis H., Philadelphia, Pa. Shower inclosure. 1,693,088; Nov. 27.
- Lehman, Max R., Quincy, assignor to Orbon Stove Co., Belleville, Ill. Heater. 1,659,694; Feb. 21.
- Lehman, Nicholas, Birmingham, Ala. Cotton-picking device. 1,675,501; July 3.
- Lehman, Ogden R., Springfield, Ohio. Traffic-light control. 1,689,075; Oct. 23.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bale splitter. 1,680,222; Aug. 7.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,686,282; Oct. 2.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,687,373; Oct. 9.
- Lehman, Paul W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Inner-tube deflater. 1,694,222; Dec. 4.
- Lehmann, Ernst A. (See Doerr, W. E., and Lehmann.)
- Lehmann, Ernst P., Brandenburg-on-the-Havel, Germany. Mechanical toy. 1,687,675; Oct. 16.
- Lehmann, J. M., Company. (See Hollstein, P. G., and Raue, assignors.)
- Lehmann, Kurt. (See Falcke, E., and Lehmann.)
- Lehmann, Max E. (See Singiser, John P., assignor.)
- Lehmer, Herman K., Rockford, Ill. Road-subgrading machine. 1,664,634; Apr. 3.
- Lehmicke, Oscar E., Bigfork, Mont. Machine for shredding materials. 1,673,336; June 12.
- Lehne, John C. (See Spaulding, Thomas W., assignor.)
- Lehnen, Edward C., Chicago, Ill. Terminal-post-clamp puller. 1,673,571; June 12.
- Lehnert, Henry W. A., New York, N. Y. Nozzle. 1,676,035; July 3.
- Lehnhoff, William. (See Farrell, R. R., and Lehnhoff.)
- Lehnhoff-Wyld, Frederic, Paris, France. Metal salts of the *n*-methylene-sulphonic acids of diaminodihydroxy-arsenobenzene or sulpho arsenol. 1,671,141; May 29.
- Lehnhoff-Wyld, Frederic, Paris, France. Manufacture of metal salts of sulpho-arsenol. 1,674,711; June 26.
- Lehon Company, The. (See McDavitt, Charles J., assignor.)
- Lehr, Charles E. (See Cort, S. J., Burns, Dougherty, and Lehr.)
- Lehr, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Continuous heating furnace. 1,696,805; Dec. 25.
- Lehr, Charles E., assignor to Bethlehem Steel Company, Bethlehem, Pa. Device for treating rods. 1,696,806; Dec. 25.
- Lehr, Edwin, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Primary relay for induction regulators. 1,686,015; Oct. 2.
- Lehr, Philip H., St. Joseph, Mo. Mower. 1,672,461; June 5.
- Lehrman, Charles, Brooklyn, assignor to Levolute Co. Inc., New York, N. Y. Wall bracket. Des. 75,801; July 17.
- Lehtonen, Matti, Chisholm, Minn. Cord and rope holder. 1,660,040; Feb. 21.
- Leib, August, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finder. 1,685,821; Oct. 2.
- Leibing, William E., Oakland, assignor to Magnus Fruit Products Co., San Francisco, Calif. Mixing valve. 1,661,431; Mar. 6.
- Leibing, William E., Oakland, assignor to Magnus Fruit Products Co., San Francisco, Calif. Carbonated-water cooler. 1,664,780; Apr. 3.
- Leibing, William E., Oakland, assignor to Magnus Fruit Products Co., San Francisco, Calif. Cooling apparatus for beverage dispensers. 1,682,385; Aug. 28.
- Leibold, Jacob G., San Francisco, Calif. Sleeping bag. 1,670,460; May 22.
- Leibowitz, Meyer N., et al. (See Ruttenberg, Samuel, assignor.)
- Leibson, Shane E., St. Louis, Mo. Sun visor. 1,677,187; July 17.
- Leicht, Joseph F., Milwaukee, Wis. Cap. 1,690,736; Nov. 6.
- Leidecker, Foster H., assignor to The Leidecker Tool Company, Marietta, Ohio. Dressing die. 1,686,454; Oct. 2.
- Leidecker Tool Company, The. (See Leidecker, Foster H., assignor.)
- Leigh, Fred A., Chicago, Ill. Cutter attachment. 1,685,590; Sept. 25.
- Leigh, Itura R., Grantville, Ga. Toy representing a turkey gobbler. 1,678,226; July 24.
- Leighton, Everett F., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Conductor clamp. 1,661,375; Mar. 6.

- Leighton, Everett F., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Storage-battery terminal clamp. 1,661,376; Mar. 6.
- Leighton, George A., Roslindale, Mass., assignor to American Can Company, New York, N. Y. Device for removing friction plugs from containers. 1,684,708; Sept. 18.
- Leighton, John W., Port Huron, Mich. Producing metal tubes. 1,691,725; Nov. 13.
- Leiman Bros. (See Leiman, George W., assignor.)
- Leiman, George W., assignor to Leiman Bros., Newark, N. J. Shaft packing. 1,673,365; June 12.
- Leinbach, Edward L., Chicago, Ill. Shock absorber. 1,656,641; Jan. 17.
- Leinert, Charles H., assignor to Leinert Valve Company, Chicago, Ill. Valve for compressors. 1,675,566; July 3.
- Leinert Valve Company. (See Leinert, Charles H., assignor.)
- Leininger, Ivan E. (See Caps, A. W., and Leininger.)
- Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Pile fabric. Des. 74,935; Apr. 17.
- Leiper, John, assignor to New York Mills Corporation, New York Mills, N. Y. Machine for cutting textile fabrics. 1,661,765; Mar. 6.
- Leipert, August H., assignor to International Motor Company, New York, N. Y. Carrier for floating bevels. 1,657,510; Jan. 31.
- Leiss, Paul E., Youngstown, Ohio. Water softening. 1,689,036; Oct. 23.
- Leister, Fayette, assignor to The Fafnir Bearing Company, New Britain, Conn. Lubricating means for antifriction bearings. 1,691,015; Nov. 6.
- Leisy, Clifford J., assignor to The Glenn L. Martin Company, Cleveland, Ohio. Airplane. 1,695,114; Dec. 11.
- Leitch, Frank E., assignor to Stamford Wall Paper Company, Stamford, Conn. Wall paper or the like. Des. 76,141; Aug. 21.
- Leitch, William B., et al. (See Ruhren, John J., assignor.)
- Leiter, Friedrich F., assignor to Josef Leiter Fabrik Chirurgischer Instrumente, Vienna, Austria. Device for illuminating all kinds of hollow members. 1,692,554; Nov. 20.
- Leiter, Josef, Fabrik Chirurgischer Instrumente. (See Leiter, Friedrich F., assignor.)
- Leitz, E., Inc. (See Guthrie, Robert G., assignor.)
- Le Jeune, Frank H. (See Jacobi, E. R., and Le Jeune.)
- Leland Electric Company, The. (See Leland, George H., assignor.)
- Leland, George H., Dayton, Ohio. Brush lifter for electric motors or the like. 1,666,457; Apr. 17.
- Leland, George H., Dayton, Ohio. Centrifugal device. 1,666,458; Apr. 17.
- Leland, George H., Dayton, Ohio. Brush-lifting mechanism for electric motors or the like. 1,666,459; Apr. 17.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Dynamo-electric machine. 1,664,781; Apr. 3.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Short-circuiting device for motors. 1,673,518; June 12.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Short-circuiting device for motors. 1,678,437; July 24.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Motor mounting. 1,678,438; July 24.
- Leland, George H., assignor of one-half to The Leland Electric Company, Dayton, Ohio. Brush-lifting device for electric motors. 1,680,795; Aug. 14.
- Leland-Gifford Company. (See Bishop, B. S. T., and Jacobson.)
- Leland-Gifford Company. (See Gifford, A. J., and Bishop, assignors.)
- Leland-Gifford Company. (See Hirvonen, Eric J., assignor.)
- Leigemann, Willy. (See Hessle, E. T., and Leigemann.)
- Lellep, Otto, Egypt, Pa., assignor to The International Nickel Company, New York, N. Y. Fuel-heated furnace and converter using preheated air. 1,680,155; Aug. 7.
- Lelong, Lucien, Paris, France, assignor to Lucien Lelong, Inc., New York, N. Y. Bottle. Des. 75,852; July 24.
- Lelong, Lucien, Inc. (See Lelong, Lucien, assignor.)
- Lelyveld, Joseph, Rockland, Mass. Foot demonstrator. 1,692,943; Nov. 27.
- Lemaire, Louis B., Detroit, Mich., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Sinker and bait fastener. 1,656,440; Jan. 17.
- Lemansky, Alex, and S. Ziepel, Hanover, Germany. Stringed musical instrument. 1,671,532; May 29.
- Lemaster, Charles A., Kansas City, Mo. Toaster. 1,661,294; Mar. 6.
- Lemay, Arthur, Brooklyn, N. Y. Eyeglasses. 1,666,826; Apr. 17.
- Le May, Clarence C. (See Bull, Clinton H., assignor.)
- Le May, John, Aurora, Ill., assignor to Aurora Metal Company. Casting device. 1,673,415; June 12.
- Lemelin, Odilon. (See La Vallée, O., and Lemelin.)
- Lemery, Charles H., Sacramento, Calif. Thermostatic mixing valve. 1,658,726; Feb. 7.
- Le Mesurier, Charles, Campbellton, New Brunswick, Canada. Storm-window fastener. 1,684,134; Sept. 11.
- Le Mesurier, Henry E., London, England. Internal-combustion engine. 1,665,885; Apr. 10.
- Le Mesurier, Louis J., Belmont, England. Apparatus for storing fluid under pressure. 1,692,670; Nov. 20.
- Lemex, John D., Tulsa, Okla. Sucker-rod hook. 1,669,418; May 15.
- Lemex, John D., Tulsa, Okla. Link. 1,679,042; July 31.
- Lemieux, David, Lewiston, Me. Cutting mechanism for automatic looms. 1,667,261; Apr. 24.
- Lemieux, Ludger. (See Guimont, Joseph W., assignor.)
- Lemke, James Jr., Troy, N. Y. Sign. 1,661,073; Feb. 28.
- Leimm, Gotthard J., Tacoma, Wash. Sink strainer. 1,660,010; Feb. 21.
- Lemmon, Alexis W., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Automatic feeder. 1,684,675; Sept. 18.
- Lemmon, George N., Marietta, assignor to Balt Manufacturing Co., Atlanta, Ga. Electric switch. 1,694,223; Dec. 4.
- Lemmon, Rees H. (See Yerkes, J. A., and Lemmon.)
- Lemmon, Rees H., Long Beach, Calif. Pump plunger. 1,690,687; Nov. 6.
- Lemoine, Wilfrid. (See Frenette, Real, assignor.)
- Lemon, Edward B., Milwaukee, Wis. Safety feeding device for clothes wringers. 1,675,034; June 26.
- Lemp, Hermann, Erie, Pa., assignor, by mesne assignments, to Bucyrus-Erie Company, South Milwaukee, Wis. Power excavating machine. 1,670,773; May 22.
- Lempertz, Eberhard, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Gas-inflated airship. 1,665,886; Apr. 10.
- Lempke, Paul R. (See Stroth, O. C., and Lempke.)
- Le Mur, S., Company, The. (See Lewis, Wilbur S., assignor.)
- Lenander, Nils E., assignor to Orkla Grube-Aktiebolag, Løkken Verk, Norway. Recovery of zinc from zinc-bearing solutions. 1,694,710; Dec. 11.
- Lenahan, Bernard E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current device. 1,665,854; Apr. 10.
- Lenert, Willy, Chicago, Ill. Airplane. 1,696,493; Dec. 25.
- Leneschmidt, Fred, Tripp, S. Dak. Forceps. 1,682,621; Aug. 28.
- L'Enfant, Charles, New York, N. Y. Cardcase. 1,671,297; May 29.
- L'Enfant, Charles, New York, N. Y. Cardcase. 1,671,298; May 29.
- L'Enfant, Charles, New York, N. Y. Assembling device for card cases. 1,676,338; July 10.
- L'Enfant, Charles, New York, N. Y. Bill fold. 1,680,687; Aug. 14.
- L'Enfant, Charles, New York, N. Y. Cardcase and making same. 1,684,737; Sept. 18.
- L'Enfant, Charles, New York, N. Y. Combination bill fold and pass case. 1,694,186; Dec. 4.
- Lenfers, Harry, Evansville, Ind. Reversible lighting attachment for bicycles and other vehicles. 1,660,131; Feb. 21.
- Lenfers, Harry, Evansville, Ind. Reversible light for automobiles. 1,683,141; Sept. 4.
- Lengel, Julius G., Los Angeles, Calif. Lighting fixture. 1,669,478; May 15.
- Lengel, William L., assignor to The Nolde & Horst Co., Reading, Pa. Yarn-change attachment for circular-knitting machines. 1,671,597; May 29.
- Lenemann, Paul, Bremen, Germany. Foot-arch support. 1,676,398; July 10.
- Lengsfeld Brothers. (See Lengsfeld, Byron H., assignor.)
- Lengsfeld, Byron H., assignor to Lengsfeld Brothers, New Orleans, La. Garment carton. 1,661,484; Mar. 6.
- Lenher Engineering Company. (See Barrett, George E., assignor.)
- Lenish, Walter H., Chicago, Ill. Roller screen. 1,672,647; June 5.
- Lenish, Walter H., Chicago, Ill. Roller screen. 1,672,648; June 5.
- Lennard, Thomas C., Glasgow, Scotland. Endless belt conveyor. 1,663,344; Mar. 20.
- Lennartz, Andreas, near Aachen, Germany. Case-hardening. 1,671,034; May 22.
- Lenning, Alvar, Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Rectifying and condensing apparatus for refrigeration. 1,671,949; May 29.
- Lenning, Alvar, Brooklyn, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,672,265; June 5.
- Lenning, Alvar, Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,674,830; June 26.
- Lenning, Alvar, Newburgh, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,692,791; Nov. 20.
- Lennox, Ira, Grand Junction, Colo. Collapsible window shutter or shield. 1,690,644; Nov. 6.
- Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Continuous-current transformer. 1,659,110; Feb. 14.
- Lenoir, Milton C., Lombard, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,665,814; Apr. 10.
- Le Noue, Cyril W., Los Angeles, Calif. Lock. 1,676,450; July 10.

- Lenox, Inc. (See Holmes, Frank G., assignor.)
 Lenox, Russell A., et al. (See Bell, Earl R., assignor.)
 Lenston, Charles S., assignor to Hobbs Manufacturing Company, Worcester, Mass. Feed-roller support. 1,665,596; Apr. 10.
 Lentaty, Ambrose, Los Angeles, Calif. Saxophone player's stand. 1,661,805; Mar. 6.
 Lentz, Herman M., Renville, Minn. Stringed musical instrument. 1,679,834; Aug. 7.
 Lentz, Laurence E., Harrisburg, Pa., assignor to Elliott-Fisher Company. Double-platen manifold machine. 1,679,835; Aug. 7.
 Lentz, Lawrence E., Harrisburg, Pa., assignor to Elliott-Fisher Company. Cutting machine. 1,665,213; Apr. 10.
 Lentz, Lawrence E., Harrisburg, Pa., assignor to Elliott-Fisher Company, New York, N. Y. Carbon roll and core for manifold machines. 1,677,971; July 24.
 Lentz, Rea D., assignor of one-fourth to K. Mitchell, Los Angeles, Calif. Automatically-operating mechanism for elevating liquids. 1,694,421; Dec. 11.
 Lentz, Richard, Los Angeles, Calif. Automatic slicing, toasting, and buttering machine. 1,666,335; Apr. 17.
 Lentz, William L., Tuckahoe, N. Y. Locomotive smoke box. 1,656,380; Jan. 17.
 Lenz, Arnold, Saginaw, assignor to General Motors Corporation, Detroit, Mich. Booking core machine. 1,679,982; Aug. 7.
 Lenz, Jacob M., assignor to Runzel-Lenz Electric Manufacturing Company, Chicago, Ill. Insulated terminal. 1,667,598; Apr. 24.
 Leo, Albert, Chicago Ill. Pectin product. 1,675,035; June 26.
 Leo, Herbert T., St. Joseph, Mo. Making powdered or granular jellyfying compound. 1,655,398; Jan. 3.
 Leo, Herbert T., Corona, Calif. Solid flavoring material. 1,686,670; Oct. 9.
 Leo, Herbert T., Corona, Calif. Solid acid material. 1,686,703; Oct. 9.
 Leof, Charles, Detroit, Mich. Liquid dispenser. 1,667,483; Apr. 24.
 Leon, Benjamin, and M. Fow, Camden, N. J. Beetle trap. 1,682,575; Aug. 28.
 Leon, Karl O., Lidköping, Sweden. Advertising device. 1,667,210; Apr. 24.
 Leon, Lewicki J., West Chicago, Ill. Bird cage. Des. 74,891; Apr. 10.
 Leon, Lewicki J., West Chicago, Ill. Base for bird-cage or other stands. Des. 75,179; May 15.
 Leon, Lewicki J., West Chicago, Ill. Base for bird-cage or other stands. Des. 75,180; May 15.
 Leon, Lewicki J., West Chicago, Ill. Loop for bird-cage stands. Des. 75,181; May 15.
 Leon, Lewicki J., West Chicago, Ill. Bird cage. Des. 75,632; June 26.
 Leon, Lewicki J., West Chicago, Ill. Parrot stand. Des. 76,406; Sept. 25.
 Leon, Lewicki J., West Chicago, Ill. Bird cage. Des. 76,407; Sept. 25.
 Leon, Lewicki J., West Chicago, Ill. Loop for bird-cage stands. Des. 76,692; Oct. 23.
 Leon, Lewicki J., West Chicago, Ill. Loop for bird-cage stands. Des. 76,693; Oct. 23.
 Leon, Lewicki J., West Chicago, Ill. Loop for bird-cage stands. Des. 76,758; Oct. 30.
 Leon, Lewicki J., West Chicago, Ill. Parrot cage. 1,656,282; Jan. 17.
 Leon, Lewicki J., West Chicago, Ill. Parrot cage. 1,685,922; Oct. 2.
 Leon, Lewicki J., Chicago, Ill. Bird cage. 1,638,502; Oct. 23.
 Leonard, Arthur J., Oil Hill, Kans., assignor to Doherty Research Company, New York, N. Y. Derrick. 1,656,861; Jan. 17.
 Leonard, Charles H., Grand Rapids, assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Rear icing door for refrigerators. 1,688,870; Oct. 23.
 Leonard, Charles H., Grand Rapids, assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Universal water-cooler connection. 1,688,871; Oct. 23.
 Leonard, Clifford M. (See Gomory, William L., assignor.)
 Leonard, Foster A., et al. (See Thomas, William M., assignor.)
 Leonard, Francis H. (See Reid, Robert and A. S., and Leonard.)
 Leonard, George I., Chicago, Ill. Condenser for ice machines. 1,679,430; Aug. 7.
 Leonard, George I., assignor to Leonard Pump & Motor Co., Chicago, Ill. Compressor. 1,672,571; June 5.
 Leonard, Harry C. (See Whittier, W. H., and Leonard.)
 Leonard, Harry M., Rantoul, Ill. Convertible embalming table. 1,690,451; Nov. 6.
 Leonard, Howard M., South Bend, Ind., assignor to Gerandtt Motor Corporation, Chicago, Ill. Engine. 1,674,730; June 26.
 Leonard, Howard M., South Bend, Ind., assignor to Gerandtt Motor Corporation, Chicago, Ill. Fuel-injecting means. 1,674,731; June 26.
 Leonard, John B., Detroit, Mich. Sanding machine. 1,682,013; Aug. 28.
 Leonard, Joseph, assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa. Corset. 1,655,377; Jan. 3.
 Leonard, Joseph, assignor to Charis Corporation, Allentown, Pa. Supporting strap for garments. 1,672,069; June 5.
 Leonard, Peter G., West Tulsa, Okla. Tubing catcher. 1,667,733; May 1.
 Leonard Pump & Motor Co. (See Leonard, George I., assignor.)
 Leonard, Robert L., New York, N. Y., assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Towel. Des. 75,035; May 1.
 Leonard-Rooke Company. (See Nicholas, Serril W., assignor.)
 Leonard, Samuel E., jr., E. Cleveland, Ohio. Wireless signaling apparatus. 1,685,923; Oct. 2.
 Leonard, Thomas A. (See Huseman, A. W., and Leonard.)
 Leonard, Walter B., 2d, assignor to American Emery Wheel Works, Providence, R. I. Grinding machine, grinding wheel, and cooling the same. 1,689,950; Oct. 30.
 Leonardos, Elefterios S., Shreveport, La. Gardening implement. 1,661,729; Mar. 6.
 Leone, Louis B., and W. T. Murphy, St. Louis, Mo. Potato-chip frying machine. 1,674,555; June 19.
 Leonhardt, Otto, Crossen, Germany. Paper, cardboard, and pasteboard making machine. 1,689,553; Oct. 30.
 Leonhart, Henry A., Bangor, Wis. Furnace. 1,685,710; Sept. 25.
 Leonhauser, Henry A. (See Clark, A. T. Leonhauser, and Jester.)
 Leoni, Alfonso M. (See Asprooth, A. H., and Leoni.)
 Leoni, Alfonso M., Philadelphia, Pa., and HJ. Asprooth, Baltimore, Md., assignors to Electro-Motive Devices, Inc., Philadelphia, Pa. Controller for electric vehicles. 1,662,386; Mar. 13.
 Leoni, Hugo, New York, N. Y. Necktie. 1,675,768; July 3.
 Leopold, Fred, S. E. Clancy, and L. K. Garis, Pittsburgh, Pa. License-plate holder. 1,664,302; Mar. 27.
 Leopold, Frederick, jr., Harmonville, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Tire casing. Des. 75,734; May 29.
 Leopold, Frederick, jr., Harmonville, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Tire casing. Des. 76,195; Aug. 25.
 Leopold, Frederick, jr., Harmonville, and R. J. Limbert, assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa. Expansion bar. 1,673,878; June 19.
 Leopold, George O. (See Fegley, T. J., and Leopold.)
 Leopold, Henri, Paris, France. Stamp and ticket delivering machine. 1,682,084; Aug. 28.
 Leopold, Joseph, New York, N. Y., assignor to Consolidated Instrument Company of America, Straight-line indicating mechanism. 1,678,009; July 24.
 Leopold, Robert P., assignor to Wirt Company, Philadelphia, Pa. Condenser. 1,660,132; Feb. 21.
 Leopold, Samuel N., assignor to Rose Display Box Company, Chicago, Ill. Display box. 1,685,606; Sept. 25.
 Lepage, Ivan. (See De Geynst, M. and Lepage.)
 Le Pere, John G., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Handle construction. 1,687,619; Oct. 16.
 Lepler, Jacob, Providence, R. I. Clothes-pressing machine and the like. 1,694,224; Dec. 4.
 Lepow, Max, assignor to The H. A. Wilson Company, Newark, N. J. Finger ring. Des. 76,694; Oct. 23.
 Lepper, James H., Bangor, Mich. Display rack. 1,671,830; May 29.
 Leppert, Henry E., New Britain, Conn., assignor to The Truball Electric Manufacturing Company, Plainville, Conn. Electric-switch box. 1,687,165; Oct. 9.
 Leprestre, René, New York, N. Y. Steaming iron. 1,676,098; July 3.
 Le Pul, Henry J., Hempstead, N. Y. Airplane-wing structure. 1,693,449; Nov. 27.
 Lequornik, Eugene. (See Williams, J. A., and Lequornik.)
 Le Rasoir, Apollo. (See Valabréque, René-Max, assignors.)
 Lerch, William, et al. (See Stricker, Charles J., assignor.)
 Lerden, Bernard, Vienna, Austria. Spectacles with lighting device. 1,679,482; Aug. 7.
 Leren, Nels A., Minneapolis, Minn. Counterbalancing device for window sashes. 1,677,643; July 17.
 Lerner, Herman B., assignor to Hygienic Tube Co., Newark, N. J. Container. 1,656,283; Jan. 17.
 Lerner, Frank, New York, N. Y. Garment. 1,677,145; July 17.
 Lerner, Morris, assignor to A. L. Smith Iron Works, Chelsea, Mass. Stair structure. 1,655,769; Jan. 10.
 Lerouder, Henri, Lyon-Villeurbanne, France. Manufacture of oleomargarine. 1,663,913; Mar. 27.
 Le Roy, Bernard L. (See Beans, J. F., and Le Roy.)
 Le Roy, Georges, Marly le Roi, France. Lead glass-work. 1,678,439; July 24.
 Le Sauvage, George R., assignor to The Republic Metalware Co., Buffalo, N. Y. Ash can. Des. 75,375; May 29.
 Lesavoy, Isadore L., New York, N. Y. Garment. 1,677,188; July 17.
 Lesch, Ralph L. (See Dentler, A. L., and Lesch.)
 Leschhorn, Ernest. (See Wolf, J., and Leschhorn.)
 Leschhorn, Ernest, Chicago, Ill., assignor to Latham Machinery Company. Wireworking device for stitching. 1,684,838; Sept. 18.
 Leschhorn, Ernest, Chicago, Ill., assignor to Latham Machinery Company. Stitching machine. 1,692,015; Nov. 20.

- Leser, Frederick, Brooklyn, N. Y., assignor to Bright Star Battery Company. Portable electric light. 1,674,650; June 26.
- Les Etablissements Poulenc Freres. (See Fourneau, Ernest, assignor.)
- Les Fils de Emile Boudios. (See Boudios, Edmond E., assignor.)
- Lesiak, Charles C., Fullerton, Nebr.. Paintbrush. 1,694,860; Dec. 11.
- Lesieur, Maurice, Paris, France. Apparatus for the subcutaneous injection of oxygen or other gases. 1,682,344; Aug. 28.
- Leslie, Eugene H., and E. M. Baker, Ann Arbor, Mich. Treating and fractionating cracking-plant vapors. 1,684,771; Sept. 18.
- Leslie, John L., New York, N. Y. Heat-insulated vessel for food. 1,662,860; Mar. 20.
- Leslie, John W., trustee. (See Williams, Dick B., assignor.)
- Leslie, John W., Evanston, assignor to Consolidated Steel Strapping Company, Chicago, Ill. Loading freight cars. 1,666,213; Apr. 17.
- Leslie O. Parker, Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Vehicle lamp door. Des. 74,623; Mar. 6.
- Lesourd, Georges. (See Alkan, R., and Lesourd.)
- Les Petits Fils de Francois de Wendel & Cie. (See Weber, Robert, assignor.)
- Lespinnas, Victor D., Chicago, Ill. Caponizing instrument. 1,655,962; Jan. 10.
- Lesquendieu, J., Inc. (See Lesquendieu, Joseph, assignor.)
- Lesquendieu, Joseph, Paris, France, assignor to J. Lesquendieu Inc., New York, N. Y. Container for collapsible tubes. 1,680,462; Aug. 14.
- Lessard, Ernest L. (See Le Blanc, H. L., and Beaudoin, assignor.)
- Lesser, Albert D., New York, N. Y. Cap. 1,664,255; Mar. 27.
- Lessing, Samuel J., St. Joseph, Mich. Vehicle spring. 1,691,550; Nov. 13.
- Lessier, Lew W., Johnson City, N. Y., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Platform support for cameras. 1,679,613; Aug. 7.
- Lesley, George H. (See Jones, Burle R., assignor.)
- Lessmann, Herbert F. (See Laurie, Alexander, assignor.)
- Lessmann, Herbert F., Des Moines, Iowa. Stamp-affixing machine. 1,681,984; Aug. 28.
- Lestage, Elie, New Bedford, Mass. Game device. 1,687,775; Oct. 16.
- Lester-Johnson Co. (See Johnson, Roy W., assignor.)
- Lester, Leonard B. (See Lotterman, W., Lester, and Odton.)
- Lester, Nathan, Worcester, Mass. Pneumatic die-casting machine. 1,673,832; June 19.
- Lester, Nathan, Worcester, Mass. Die-casting machine. 1,673,833; June 19.
- Lester, William H., assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 1,672,649; June 5.
- Leszczynski, Leonard. (See Gies, Frank G., assignor.)
- Le Tang, Leo R., Cincinnati, Ohio. Combined frame and casing for punching machines. Des. 76,944; Nov. 20.
- Letchford, Percy H., Winnipeg, Manitoba, Canada. Heel for boots or shoes. 1,666,603; Apr. 17.
- Leth, Paul. (See Hansen, C. and Leth.)
- Lethander, Oscar L., Chicago, Ill. Swinging seat. 1,696,312; Dec. 25.
- Letson, Russell C., Los Angeles, Calif. Doll. 1,683,561; Sept. 4.
- Lett, Royal A., assignor of one-half to R. E. Hall, Miami, Fla., and one-third to G. N. Murdock, Chicago, Ill. Rod clamp. 1,659,111; Feb. 14.
- Let-Ta Poin-Ta Manufacturing Company, The. (See Mathews, Louis T., assignor.)
- Letz Manufacturing Company, The. (See Holland-Letz, Ludwig, assignor.)
- Leuchs, Otto, Elberfeld, and E. Dorr, Elberfeld-Sonnborn, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of cellulose ethers. 1,694,127; Dec. 4.
- Leuchtag, Marion, New York, N. Y. Brassière. 1,670,684; May 22.
- Leuchtenberg, Wm. E. (See Rafter, Emil, assignor.)
- Leuchtenberg, William E., New York, N. Y. Removing hydrogen sulphide from coal or water gases. Re17,162; Dec. 11.
- Leukert, Wilhelm. (See Schön, L., and Leukert.)
- Leustig, Benno B., and J. D. Petsche, Cleveland, Ohio. Handle. 1,662,316; Mar. 13.
- Leustig, Benno B., and J. D. Petsche, Cleveland, Ohio. Wire-drawing apparatus. 1,684,102; Sept. 11.
- Leuthesser, Fred W., Oak Park, Ill. Coupling for battery terminals. 1,664,692; Apr. 3.
- Leutz, Ferdinand, Hebron, N. Dak. Automobile seat hinge. 1,696,685; Dec. 25.
- Lev, Joseph A., Peoria, Ill. Device for electric therapeutic treatment. 1,655,554; Jan. 10.
- Levan, John F., Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Sash guide. 1,659,657; Feb. 21.
- Levan, John F., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash guide. 1,659,658; Feb. 21.
- Le Van, Nelson, Battle Creek, Mich. Clutch. 1,695,150; Dec. 11.
- Levedahl, Axel, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Stud driver. 1,684,281; Sept. 11.
- Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Screw or nut driving device for portable power-driven rotary tools. 1,684,633; Sept. 18.
- Leveille, Joseph D., Westfield, Mass. Toweling cabinet. 1,693,905; Dec. 4.
- Leveillee, Raphael, Esmond, R. I. Pattern-reversing mechanism. 1,678,121; July 24.
- Levenberg, Samuel P., assignor to The Levenburg Corporation, New York, N. Y. Electrical system. 1,670,893; May 22.
- Levenburg Corporation, The. (See Levenberg, Samuel P., assignor.)
- Levene, Albert H., Newark, N. J., assignor to De Luxe Metal Furniture Company. Construction in bins. 1,676,908; July 10.
- Levene, Albert H., Newark, N. J., assignor to De Luxe Metal Furniture Company. Shelving. 1,676,909; July 10.
- Levene, Albert H., Newark, N. J., assignor to De Luxe Metal Furniture Company. Movable shelf divider. 1,676,910; July 10.
- Leventhal, Mitchell, Brooklyn, N. Y. Lock frame or similar article. Des. 74,936; Apr. 17.
- Leventhal, Mitchell, Brooklyn, N. Y. Latch or similar article. Des. 75,036; May 1.
- Leventhal, Mitchell, Brooklyn, N. Y. Brief-case lock or similar article. Des. 76,695; Oct. 23.
- Leventis, Constantine, Phoenix, Ariz. Serum and producing the same. 1,676,995; July 10.
- Leventis, Constantine, Phoenix, Ariz. Gland serum. 1,676,996; July 10.
- Leventis, Constantine, Phoenix, Ariz. Antitubercular serum and producing the same. 1,676,997; July 10.
- Leveque, Charles L., Detroit, Mich. Carburetor. 1,691,487; Nov. 13.
- Léveque, Pierre H., Paris, assignor to Societe de Recherches et de Perfectionnements Industriels, Puteaux, Seine, France. Compound fuel. 1,693,790; Dec. 4.
- Levet, Walker M., Company. (See Kelm, Gustav R., assignor.)
- Levey, Thomas J., Baltimore, Md. 1,676,339; July 10.
- Levi, David B., et al. (See Rothschild, August S., assignor.)
- Levi, Ernst, et al. (See Rothschild, August S., assignor.)
- Levi, Karl, Minneapolis, Minn. Coffee urn. 1,686,283; Oct. 2.
- Levi, Louis, Winthrop, Mass. Window screen. 1,691,977; Nov. 20.
- Levi, Siegfried, et al. (See Rothschild, August S., assignor.)
- Levien, George, Des Moines, Iowa. Automobile ornament. 1,671,770; May 29.
- Levien, Louis, New York, N. Y. Serving tray. 1,681,589; Aug. 21.
- Levien, Louis, New York, N. Y. Receptacle and handle therefor. 1,682,048; Aug. 28.
- Levien, Louis, New York, N. Y. Vanity tray. 1,685,237; Sept. 25.
- Levin, Abraham S. (See Stein, M., and Levin.)
- Levin, Harold L. (See Kirschbraun, L., and Levin.)
- Levin, Isaac. (See Becher, H. M., and Levin.)
- Levin, Michael, New York, N. Y. Protein composition. 1,675,181; June 26.
- Levin, Morris, et al. (See Tuñez, Amable S., assignor.)
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining machine. 1,656,524; Jan. 17.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Headlight. 1,662,118; Mar. 13.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,675,180; June 26.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric controller. 1,677,243; July 17.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,680,386; Aug. 14.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Apparatus for loading cars. 1,681,001; Aug. 14.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Co., Columbus, Ohio. Chain and attachment therefor. 1,686,566; Oct. 9.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Material-carrying dight. 1,686,567; Oct. 9.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Terminal connecting device. 1,688,640; Oct. 23.
- Leyne, Harry D., Philadelphia, Pa. Manufacture of Javelle water. 1,694,711; Dec. 11.
- Leyne, John. (See Leyne, Samuel and J.)
- Leyne, Joseph, assignor to Met-L-Wood Corporation, Chicago, Ill. Metal-sheathed structure. 1,669,667; May 15.
- Leyne, Joseph, assignor to Met-L-Wood Corporation, Chicago, Ill. Joint for veneered panels. 1,674,288; June 19.
- Leyne, Max, Brooklyn, N. Y. Binding. 1,685,607; Sept. 25.

- Levine, Samuel and J., Brooklyn, N. Y. Window screen. 1,660,227; Feb. 21.
- Levinsky, Jacob, assignor to Capital Caps Limited, Toronto, Ontario, Canada. Motoring cap. 1,695,596; Dec. 18.
- Levinson, David, assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Combined shirt and supporter. 1,658,448; Feb. 7.
- Levinson, David, assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Athlete's protective garment. 1,660,342; Feb. 28.
- Levinson, Lawrence H., Chicago, Ill. Shade holder. 1,664,516; Apr. 3.
- Levinson, Samuel. (See Bady, L., and Levinson.)
- Levis, Edmond. (See Mayer, J. T., Levis, and Schum.)
- Levis, John H., jr., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Manual telephone system. 1,678,068. July 24.
- Levit, Max, Shenandoah, Pa. Shoe and locker bag. 1,684,232; Sept. 11.
- Levitt, Nathan V., Philadelphia, Pa. Bunion protector and arch brace. 1,668,459; May 1.
- Levitt, Samuel, Brooklyn, assignor to United Metal Hose Company, Inc., New York, N. Y. Pipe coupling. 1,676,936; July 3.
- Levitt, Samuel L., Chicago, Ill. Tire remover. 1,667,351; Apr. 24.
- Levolite Co. Inc. (See Lehrman, Charles, assignor.)
- Le Vora, Thomas, Iowa City, Iowa. Carpet-cleaning device. 1,656,208; Jan. 17.
- Levoz, Toussaint, Heer, Belgium, assignor to N. V. Handelsmaatschappij Periron, Rotterdam, Netherlands. Direct reduction of iron ores. 1,689,734; Oct. 30.
- Levron, Maurice, Ivry, France. Air heater and the like. 1,688,147; Oct. 16.
- Levy, Aaron M., assignor of one-half to M. Samburg, New York, N. Y., and J. C. Hochman, Passaic, N. J. Compression rheostat. 1,658,787; Feb. 7.
- Levy, Aaron M., New York, N. Y., assignor of one-fourth to J. Hochman and one-fourth to M. Samburg. Electrical resistance apparatus. 1,658,788; Feb. 7.
- Levy, Baruch, Brooklyn, N. Y. Sugar dispenser. 1,688,123; Oct. 16.
- Levy, Franz. (See Sauter, J., and Levy.)
- Levy, Henri G., et al. (See Levy, Henri G., assignor.)
- Levy, Henri G., assignor to The Electric Manufacturing Company, San Francisco, Calif. Electric hair drier. Des. 77,162; Dec. 11.
- Levy, Henri G., assignor to M. Abramson and H. G. Levy, doing business under the firm name and style of Electric Manufacturing Company, San Francisco, Calif. Curling-iron heater. 1,665,746; Apr. 10.
- Levy, Jacob, Boston, Mass. Device for cutting pipe. 1,665,707; Apr. 10.
- Levy, Joseph, Tulsa, Okla. Speaking tube. 1,661,485; Mar. 6.
- Levy, Joseph, Brooklyn, N. Y. Apparatus for perforating inscriptions, ornamentations, or the like on sheet material. 1,692,454; Nov. 20.
- Levy, Jules G., New York, N. Y. Figure toy. 1,658,054; Feb. 7.
- Levy, Leonard A., London, England. Manufacture of cellulose acetate. 1,655,870; Jan. 10.
- Levy, Leonard A., Cricklewood, England. Nozzle for the production of artificial filaments. 1,676,831; July 16.
- Levy, Louis J., Jersey City, N. J. Code-sending apparatus. 1,690,023; Oct. 30.
- Levy, Lucien, Paris, France. Current rectifier. 1,671,247; May 29.
- Levy, Lucien, Paris, France. Elimination of wireless parasitic currents. 1,684,103; Sept. 11.
- Lévy, Marcel, assignor to "Prodor" Fabrique de Produits Organiques S. A., Geneva, Switzerland. Forming roads and the like. 1,681,353; Aug. 21.
- Levy, Mark. (See Travis, Bertram C., assignor.)
- Levy, Mauric, Co., The. (See Fuchs, Camille H., assignor.)
- Levy, Morris, New York, N. Y. Rubber heel. 1,667,939; May 1.
- Levy, M. S., and Sons, Inc. (See Moses, Herbert L., assignor.)
- Levy, Sydney, jr., Suva, Fiji Islands. Medicine-administering device. 1,684,999; Sept. 18.
- Lew, Albert F., Baker, Oreg. Vulcanizing device. 1,656,071; Jan. 10.
- Lewando, Charles, Brooklyn, N. Y. Antitheft device. 1,678,440; July 24.
- Leweke, Eva, administratrix. (See Leweke, Fred F.)
- Leweke, Fred F., deceased, Rocky Ford, Colo.; E. Leweke, administratrix. Fruit-grading machine. 1,676,037; July 10.
- Lewellen, Albert R., assignor to General Motors Corporation, Detroit, Mich. Lighting means for instrument panels. 1,668,515; May 1.
- Lewellen, Albert R., assignor to General Motors Corporation, Detroit, Mich. Circuit-controlling device. 1,675,614; July 3.
- Lewellen, Darcy E., assignor to Lewellen Manufacturing Company, Columbus, Ind. Mechanically-operated speed-controlling device. 1,686,916; Oct. 9.
- Lewellen, Darcy E., assignor to Lewellen Manufacturing Company, Columbus, Ind. Automatic speed-controlling device. 1,687,339; Oct. 9.
- Lewellen, Darcy E., assignor to Lewellen Manufacturing Company, Columbus, Ind. Automatic speed-controlling device. 1,691,294; Nov. 13.
- Lewellen Manufacturing Company. (See Lewellen, Darcy E., assignor.)
- Lewellyn, John A., assignor, by mesne assignments, to R. L. Hinds, Toledo, Ohio. Demagnetizer. 1,667,422; Apr. 24.
- Lewin, Arthur, assignor to Kupfer Bros. Co., New York, N. Y. Wrapping paper. Des. 74,514; Feb. 21.
- Lewinnek, Georg, Berlin, Germany, assignor to General Electric Company. Commutator. 1,672,685; June 5.
- Lewinsky, Anders V. V. (See Lewinsky, Erik J. and A. V. V.)
- Lewinsky, Erik J. and A. V. V., Copenhagen, Denmark. Regulating device for central heating installations. 1,656,525; Jan. 17.
- Lewis, A., (Finsbury) Limited. (See Widmer, Harry A., assignor.)
- Lewis, Addison, Minneapolis, Minn. Suspensory. 1,686,869; Oct. 9.
- Lewis, Alfred S., assignor to The Motorfrigerator Company, West Chester, Pa. Refrigerating system. 1,673,082; June 12.
- Lewis, Anson F., deceased, by E. Lewis, administratrix, assignor to Mortarless Tile Machine Company, Santa Barbara, Calif. Block-molding machine. 1,679,483; Aug. 7.
- Lewis, Arlin A. (See Moon, Claborn F., assignor.)
- Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Chucking machine. 1,689,440; Oct. 30.
- Lewis, Benjamin M., Edinburg, Tex. Reflector. 1,655,468; Jan. 10.
- Lewis, Benjamin F., assignor to H. T. Lewis, Harry-hogan, Va. Crab trap. 1,670,039; May 15.
- Lewis, C. W., Glenside, assignor to L. H. Gilmer Co., Philadelphia, Pa. Portable merchandising case. 1,666,537; Apr. 17.
- Lewis, Carl P., Burlingame, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Froth-flotation concentration of ores. 1,668,917; May 8.
- Lewis, Charles. (See Cuddy, H., and Lewis.)
- Lewis, Charles B., and E. D. Robertson, Los Angeles, Calif. Valve equipment for oil-well pumps. 1,677,562; July 17.
- Lewis, Charles B., and E. D. Robertson, Los Angeles, Calif. Relief valve for deep-well pumps. 1,696,007; Dec. 18.
- Lewis, Claude A., Houston, Tex. Window-sash support. 1,670,417; May 22.
- Lewis, Claude A., Houston, Tex. Window pole. 1,681,990; Aug. 28.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window. Rel.7,054; July 31.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Weather strip. 1,670,414; May 22.
- Lewis, Claude A., assignor to American Window Company, Houston, Tex. Sentinel for window sashes. 1,670,415; May 22.
- Lewis, Claude A., assignor to American Window Company, Houston, Tex. Sentinel for windows. 1,670,416; May 22.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window support. 1,675,939; July 3.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window. 1,676,399; July 10.
- Lewis, Claude A., assignor to American Window Company, Houston, Tex. Mounting for window sash. 1,676,400; July 10.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window. 1,681,985; Aug. 28.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window latch. 1,681,986; Aug. 28.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window-sash support. 1,681,987; Aug. 28.
- Lewis, Claude A., assignor to American Window Company, Houston, Tex. Resiliently-mounted window sash. 1,681,988; Aug. 28.
- Lewis, Claude A., assignor to American Window Company, Houston, Tex. Top latch for windows. 1,681,989; Aug. 28.
- Lewis, Claude A., Houston, Tex., assignor to American Window Company, Window. 1,689,441; Oct. 30.
- Lewis, Edward H., Bridgeport, and C. O. Hull, New Bridgeport, Conn., assignors to General Electric Company. Nonmetallic sheathed multiple-conductor cable. 1,673,752; June 12.
- Lewis, Edward Z., Chicago, Ill., assignor to The General Manifold and Printing Company. Duplicating record book. 1,681,296; Aug. 21.
- Lewis, Elizabeth, administratrix. (See Lewis, Anson F.)
- Lewis, Ernest C., Meriden, assignor to The Tubular Products Company, Southington, Conn. Ash receptacle or similar article. Des. 76,349; Sept. 18.
- Lewis, Ernest C., Meriden, assignor to The Tubular Products Company, Southington, Conn. Ash receptacle or similar article. Des. 77,323; Dec. 25.
- Lewis, Ernest C., Meriden, assignor to The Tubular Products Company, Southington, Conn. Ash receptacle or analogous article. Des. 77,324; Dec. 25.
- Lewis, Essington. (See Power, W. P., and Lewis.)
- Lewis, Florence N., New York, N. Y. Perfume bottle. Des. 74,233; Jan. 10.
- Lewis, Floyd M., Pascagoula, Miss. Plumb bob. 1,680,297; Aug. 14.
- Lewis, Frank D. (See Widmann, E. A., and Lewis.)

- Lewis, Frank D., West Orange, N. J., assignor to Pathe Phonograph & Radio Corporation, Brooklyn, N. Y. Sound reproducer. 1,657,216; Jan. 24.
- Lewis, Frank D., Denver, Colo. Centrifugal concentrating and amalgamating apparatus of the vertical type. 1,684,870; Sept. 18.
- Lewis, Frank, H. (See Crummev, J. D., Austin, and Lewis.)
- Lewis, Frank H. (See Lisle, H. C., and Lewis.)
- Lewis, Frank M., Chicago, Ill. Clutch mechanism. 1,659,402; Feb. 14.
- Lewis, Frank M., Chicago, Ill. Differential mechanism. 1,682,886; Aug. 28.
- Lewis, G. B., Company. (See Gilles, Benjamin F., assignor.)
- Lewis, George A., Greenfield, Mass. Sandpaper holder. 1,656,981; Jan. 24.
- Lewis, George A., Chicago, Ill. Drying machine. 1,690,024; Oct. 30.
- Lewis, George C., New Dorp, N. Y., assignor to Columbian Carbon Company, Williamsport, Pa. Manufacture of pigments. 1,659,403; Feb. 14.
- Lewis, George C., New Dorp, assignor to Darco Sales Corporation, New York, N. Y. Purification of liquids. 1,673,676; July 31.
- Lewis, George F., Montclair, N. J., assignor to Foote, Pierson & Company, Inc., New York, N. Y. Sliding shoe for furniture. 1,658,244; Feb. 7.
- Lewis, George S., Springfield, Mass. Air pistol or gun. 1,692,555; Nov. 20.
- Lewis, George S., assignor, by mesne assignments, to Auto Smock and Clamp Company, Springfield, Mass. Apron holder. 1,672,165; June 5.
- Lewis, Goodrich Q., Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,683,473; Sept. 4.
- Lewis, Grover W., Macomb, Ill. Cream-separator attachment. 1,689,837; Oct. 30.
- Lewis, Harold M., Long Branch, N. J. Duplex wave signaling system. 1,688,872; Oct. 23.
- Lewis, Harrison, Beverly Hills, Calif. Adjustable handle. 1,658,883; Feb. 7.
- Lewis, Harry A., Norristown, Pa. Differential release transmission. 1,684,233; Sept. 11.
- Lewis, Harvey T. (See Lewis, Benjamin F., assignor.)
- Lewis Invisible Stitch Machine Co. (See Jänisch, Hermann, assignor.)
- Lewis Invisible Stitch Machine Company. (See Mueller, Charles W., assignor.)
- Lewis, Jacob D., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Protective device for three-phase alternating-current units. 1,665,313; Apr. 10.
- Lewis, Jacob D., and G. W. Lautrup, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Speed-control system for electric elevators. 1,681,351; Aug. 21.
- Lewis, James O., Tulsa, Okla. Method of and apparatus for grouting the walls of an oil well. 1,676,785; July 10.
- Lewis, James O., and H. R. Pierce, Tulsa, Okla. Testing device. 1,680,334; Aug. 14.
- Lewis, James O., and H. R. Pierce, Tulsa, Okla. Apparatus for supplying artificial pressure to oil sand. 1,688,556; Oct. 23.
- Lewis, James P., Howard, Kans. Purse. 1,658,294; Feb. 7.
- Lewis, Jasper R., Grace, Mo. Attachment for check-row corn planters. 1,688,724; Oct. 23.
- Lewis, John, Brownville, Me. Machine for manufacturing wooden spoons. 1,682,917; Sept. 4.
- Lewis, John M. B., Lynchburg, Va. Headlight. 1,682,387; Aug. 28.
- Lewis, John T., & Bros. Company. (See Eckfeldt, Frederick W., assignor.)
- Lewis, John V. (See Fowler, E., and Lewis.)
- Lewis, Joseph W., Jr., assignor to The Atlantic Refining Company, Philadelphia, Pa. Fractional distillation. 1,680,421; Aug. 14.
- Lewis, Leroy M., Ardmore, assignor to Central Automatic Sprinkler Company, Philadelphia, Pa. Retarding valve for automatic sprinkler systems. 1,663,136; Mar. 20.
- Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,674,782; June 26.
- Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical circuit controller. 1,674,783; June 26.
- Lewis, Morgan J., Massillon, Ohio. Door catch. 1,662,119; Mar. 13.
- Lewis, Morgan J., Massillon, Ohio. Revolving advertising apparatus. 1,670,816; May 22.
- Lewis, Morgan J., Massillon, assignor to E. F. Duquette, Hartville, Ohio. Key-locking electric switch. 1,677,719; July 17.
- Lewis, Nathan E., Plainfield, and H. J. Kerr, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Furnace wall. 1,686,976; Oct. 9.
- Lewis, Ralph S., Beverly Hills, Calif. Wheel. 1,672,131; June 5.
- Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Testing instrument. 1,694,187; Dec. 4.
- Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Mechanism for preventing lost motion. 1,694,188; Dec. 4.
- Lewis, Robert H. (See Cole, L. M., Halter, and Lewis.)
- Lewis, Saul. (See Ruck, P., and Schutz, assignors.)
- Lewis-Shepard Company. (See Shepard, F. J., Jr., and Warsaw, assignors.)
- Lewis-Shepard Company. (See Warshaw, Nathaniel, assignor.)
- Lewis, Terril G., assignor to J. T. Le Blanc, Ottawa, Ontario, Canada. Card-system filing device. 1,658,001; Jan. 31.
- Lewis, Thomas J., New York, N. Y. Bath-salt bottle. Des. 74,795; Mar. 27.
- Lewis, Warren K., Newton, Mass., assignor to The Good-year Tire & Rubber Company, Akron, Ohio. Producing carbon black. 1,669,618; May 15.
- Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Dehydrating alcohol and the like. 1,676,700; July 10.
- Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Refining oils, etc. 1,686,493; Oct. 2.
- Lewis, Warren K., Newton, Mass., and A. A. Wells, Roselle Park, N. J., assignors to Standard Oil Development Company. Fractionating hydrocarbon. 1,672,849; June 5.
- Lewis, Wilbur S., Cleveland, Ohio. Crimper. 1,667,556; Apr. 24.
- Lewis, Wilbur S., Cleveland, Ohio. Permanent-waving apparatus. 1,675,116; June 26.
- Lewis, Wilbur S., Lakewood, assignor to The S. Le Mur Company, Cleveland, Ohio. Permanent-waving apparatus. 1,682,972; Sept. 4.
- Lewis, William, Utica, N. Y. Spring cushion. 1,678,400; July 24.
- Lewis, William, Vancouver, British Columbia, Canada. Deinking process and means for performing same. 1,696,639; Dec. 25.
- Lewis, William E., West Mystic, Conn. Flexible shaft coupling. 1,682,576; Aug. 28.
- Lewis, William T. (See Flegel, B. F., and Lewis.)
- Lewis, William T., assignor to Western Coil & Electrical Company, Racine, Wis. Therapeutic lamp. 1,692,413; Nov. 20.
- Lewis, William T., assignor to Western Coil & Electrical Co., Racine, Wis. Therapeutic lamp. 1,694,067; Dec. 4.
- Lewis, Winford L., Evanston, Ill. Dispersing noxious materials. 1,675,940; July 3.
- Lewis, Winford L., Evanston, Ill., assignor by mesne assignments to Parke, Davis & Company, Detroit, Mich. Production of derivatives of arsanic acids. 1,664,123; Mar. 27.
- Lexa, George J., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Solenoid brake. 1,689,442; Oct. 30.
- Leyden, George B. (See Garner, J. B., and Leyden.)
- Leyland, John, assignor to Federal Mogul Corporation, Detroit, Mich. Float-supported measuring pot. 1,686,823; Oct. 9.
- Leyne, Helen, New York, N. Y. Rouge blended. Des. 75,501; June 12.
- Leytens, Marcel, Antwerp, Belgium. Spring suspension for lorries. 1,694,422; Dec. 11.
- Leytham, Arthur, assignor to Splitdorf Electrical Company, Newark, N. J. Lamp socket. 1,657,540; Jan. 31.
- L'Hollier, Leslie H. (See Martin, F. H., and L'Hollier.)
- Libbey, Frank E., Lennoxville, Quebec, Canada. Making wooden spoons. 1,673,519; June 12.
- Libbey Glass Manufacturing Company, The. (See Kadow, August, assignor.)
- Libbey Glass Manufacturing Company, The. (See Kadow, A., and Parker, assignors.)
- Libbey Glass Manufacturing Company, The. (See Kehl, Robert J., assignor.)
- Libbey Glass Manufacturing Company, The. (See Parker, Alvah C., assignor.)
- Libbey Glass Manufacturing Company. (See Schneider, Edward J., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Allen, Horace E., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Amsler, Walter O., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Black-shere, Lewis D., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Blair, James C., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Brown, Wilbur F., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Brownlee, William K., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Cripe, S. C., and Gipe, assignors.)
- Libbey-Owens Sheet Glass Company. (See Crowley, Joseph P., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Dieckrichs, Hugo N., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Drake, John L., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Fowle, Arthur E., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Fraser, Frank, assignor.)

- Libbey-Owens Sheet Glass Company, The. (See Gipe, John C., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Grole-mund, Lawrence A., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Mambourg, Leopold, assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Mam-bourg, Nestor, assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Randall, James W. H., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Reece, Joseph A., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Rowley, Clifford A., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Soubier, Leonard D., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See True-love, C., and Haight, assignors.)
- Libby, A. D. T. (See Norwood, Harry G., assignor.)
- Libby, Francis O., assignor to The Twitchell-Chaplin Company, Portland, Me. Oven for baking beans and the like. 1,661,766; Mar. 6.
- Libby, McNeil & Libby. (See Hanson, J., and Lee, as-signors.)
- Libby, McNeill & Libby. (See Nevills, John J., assignor.)
- Libby, Tyng M. (See Tolmie, J. R., and Libby.)
- Libberman, Alexander I., Boulogne, France. Combined back-fire and theft preventing device. 1,694,271; Dec. 4.
- Libberman Manufacturing Company. (See Loewy, Aaron E., assignor.)
- Libberman Manufacturing Company. (See Schütz, Conrad, assignor.)
- Libert, Arthur J., Green Bay, Wis. Tool holder. 1,669,137; May 8.
- Libert, Arthur J., Green Bay, Wis. Turret attachment for lathes. 1,695,926; Dec. 18.
- Liberty Gauge & Instrument Company. (See Zimmer, Ernest B., assignor.)
- Liberty Machine Tool Company, The. (See Johannesmeyer, C. G., and McCann, assignors.)
- Licht, Leonard D. (See Licht, Max and L. D.)
- Licht, Max and L. D., Knoxville, Tenn. Bottle. Des. 74,311; Jan. 24.
- Lichte, Hugo, assignor to Signal Gesellschaft mit be-schränkter Haftung, Kiel, Germany. Microphone. 1,686,385; Oct. 2.
- Lichten, Arthur S., A. Koufman, and W. Shulik, Phila-delphia, Pa. Trousers. 1,665,855; Apr. 10.
- Lichten, Arthur S., A. Koufman, and W. Shulik, Phila-delphia, Pa. Trousers. 1,665,856; Apr. 10.
- Lichten, Harold, Philadelphia, Pa. Stocking top. 1,667,352; Apr. 24.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Dipper-door control for shovels. 1,659,824; Feb. 21.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Crane attachment. 1,678,010; July 24.
- Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Multiple-tank water-supply mechanism. 1,679,614; Aug. 7.
- Lichtenberg, Erich H., assignor to Koehring Company, Mil-waukee, Wis. Easily-operated clutch. 1,681,352; Aug. 21.
- Lichtenberg, Erich H., assignor to Koehring Company, Mil-waukee, Wis. Back-movement lock for paver buckets. 1,687,299; Oct. 9.
- Lichtenberg, Erich H., and G. E. Webb, assignor to Koehring Company, Milwaukee, Wis. Water-introduc-ing means for concrete mixers. 1,665,314; Apr. 10.
- Lichtenberger-Ferguson Company. (See Ruedy, Julius M., assignor.)
- Lichtenberger, Richard, Neviges, near Velbert, Germany. Padlock. 1,681,416; Aug. 21.
- Lichtenberger, Theodor, Heilbronn, and K. Flor, Bucke-burg, Germany. Obtaining alkaline-earth-metal sul-phides from alkaline-earth-metal sulphates. 1,667,423; Apr. 24.
- Lichtendorf, Beatrice B., Brooklyn, N. Y. Match-holding wallet. 1,658,849; Feb. 14.
- Lichtenstern, Richard, Vienna, Austria. Impregnation of unpaved streets. 1,671,248; May 29.
- Lichtenthaler, Frank E., Newton Highlands, Mass. Concentrating aqueous solutions of fatty acids. 1,660,756; Feb. 28.
- Lichtscheidt, Géza, Belgrad, Serbia, assignor to General Electric Company. Electric measuring system. 1,655,276; Jan. 3.
- Lickhard, Karl, New York, N. Y. Sugar bowl. Des. 74,312; Jan. 24.
- Lickhard, Karl, New York, N. Y. Soup bowl. Des. 75,738; July 10.
- Lidback, Leonard P., Honolulu, Hawaii. Airship. 1,685,458; Sept. 25.
- Liddell, Moses V., Mattituck, N. Y. Gutter-broom attach-ment for sweeping machines. 1,687,728; Oct. 16.
- Liddell, Robert, Puteaux, France, assignor to Societe Pari-sienne des Produits de Beaute "Ganna Walska," Pantin, France. Bottle. Des. 76,142; Aug. 21.
- Liddell, Robert, Puteaux, assignor to Société Parisienne des Produits de Beaute "Ganna Walska," Pantin, France. Box. Des. 77,013; Nov. 27.
- Liddell, Robert P. F., New York, N. Y., assignor, by mesne assignments, to Central Union Trust Company of New York, trustee. Filter. 1,673,572; June 12.
- Liddell, Robert P. F., New York, N. Y., assignor, by mesne assignments, to Central Union Trust Company of New York, trustee. Filter. 1,696,313; Dec. 25.
- Liddiard, Hugh W. C., Rugby, England, assignor to Gen-eral Electric Company. Control of dynamo-electric ma-chines. 1,658,644; Feb. 7.
- Liddiard, Hugh W. C., Rugby, England, assignor to Gen-eral Electric Company. Control mechanism for hoists, lifts, and the like. 1,687,501; Oct. 16.
- Lidgerwood Manufacturing Company. (See Dickinson, Merian H. and J. H., assignors.)
- Lidgerwood Manufacturing Company. (See Meany, J. M., and Norris, assignors.)
- Lidle, William J. (See Schaller, R. F., and Lidle.)
- Lidseen, Gustave and W. J. Best, Chicago, Ill. Ham boiler. 1,657,167; Jan. 24.
- Liebau, Karl W., Los Angeles, Calif. Machine for de-treading tire carcasses. 1,668,214; May 1.
- Liebeck, Harry, Swarthmore, Pa., assignor to Scott Paper Company. Paper-stock refining. 1,676,653; July 10.
- Liebel, John G. H. (See Flarsheim, Edwin S., as-signor.)
- Liebel, John G. H., and E. S. Flarsheim, Cincinnati, Ohio. Time switch. 1,677,106; July 10.
- Liebel-Flarsheim Company, The. (See Flarsheim, Edwin S., assignor.)
- Lieber, Albert, assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Overrunning spring clutch. 1,686,455; Oct. 2.
- Lieber, William H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,656,006; Jan. 10.
- Liebergeld, Paul, Bad Thal, Germany. Mechanical time fuse with clockwork. 1,684,354; Sept. 11.
- Lieberknecht, Paul, Chemnitz, Germany, assignor of one-half to Ernst Roessneck Gesellschaft mit beschränkter Haftung, Einsiedel, near Chemnitz, Germany. Decker guide for knitting machines. 1,658,727; Feb. 7.
- Lieberman, Joseph, Bayonne, N. J. Lamp standard. Des. 77,245; Dec. 18.
- Lieberman, Leo S., New York, N. Y. Door latch. 1,655,730; Jan. 10.
- Lieberman, Leo S., New York, N. Y. Door lock. 1,671,249; May 29.
- Lieberman, Louis B., and A. M. Dunn, assignors of one-third to N. Rossini, Baltimore, Md. Soap holder. Des. 75,376; May 29.
- Liebermann, Harry A., Chicago Heights, Ill. Game. 1,694,068; Dec. 4.
- Liebert, Gustav, assignor to Süddeutschen Telephon-Apparate-Kabel-u. Drahtwerke Aktien Gesellschaft, Nu-remberg, Germany. Manufacturing electron-emitting cathodes. 1,676,701; July 10.
- Liebert, Herman R., and E. Schottel, assignors to Goodyear-Zeppelin Corporation, Akron, Ohio. Gas cell for rigid airships. 1,676,832; July 10.
- Liebert, Herman R., and W. Fischer, assignors to Good-year Zeppelin Corporation, Akron, Ohio. Landing equip-ment for airships. 1,694,861; Dec. 11.
- Liebach, G. J., Company. (See Liebach, Gustav J., as-signor.)
- Liebach, Gustav J., assignor to G. J. Liebach Company, Chicago, Ill. Plastic composition. 1,658,605; Feb. 7.
- Liebl, Henry J., Buffalo, N. Y. System of transportation. 1,664,517; Apr. 3.
- Liebowitz, Benjamin, Pennside, Pa. Wire connector. 1,675,857; July 3.
- Liebowitz, Irving. (See Stein, H. Austin, and Liebowitz.)
- Liebrecht, Arthur, Frankfort-on-the-Main, assignor to the firm Chemisch-Pharmazeutische Aktiengesellschaft Bad Homburg, Bad Homburg, Germany. Basic quinine solution. 1,692,900; Nov. 27.
- Liebrich, John E., Indianapolis, Ind. Candy package. 1,675,415; July 3.
- Liebs, L. A., Company. (See Liebs, Louis A., assignor.)
- Liebs, Louis A., Woodhaven, assignor to L. A. Liebs Com-pany, Inc., New York, N. Y. Band envelope. 1,693,791; Dec. 4.
- Liedtke, Arthur J., West Allis, and C. J. Travers, Port Washington, Wis., assignors to Beeman Tractor Com-pany, Minneapolis, Minn. Clutch. 1,691,978; Nov. 20.
- Liedtke, Hans, Hamburg, Germany. Mending fabric ar-ticles. 1,665,968; Apr. 10.
- Lienesch, Charles F., Monrovia, assignor to C. L. Stokes, Los Angeles, Calif. Filtering mechanism. 1,693,717; Dec. 4.
- Liepold, August E., St. Louis, Mo., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Apparatus for feeding glass into molds. 1,655,190; Jan. 3.
- Liese, Paul, Berlin-Tempelhof, Germany. Translucent wall, ceiling, and floor structure. 1,667,484; Apr. 24.
- Liese, Paul, Berlin-Tempelhof, Germany. Wall. 1,686,161; Oct. 2.
- Lietz, Felix E., Buffalo, N. Y., assignor to The Flintkote Company, Boston, Mass. Shingle lock. Re17,133; Nov. 13.
- Lietz, John F., Buffalo, N. Y. Roofing construction. 1,666,939; Apr. 24.
- Lievre, Joseph B., Mexico, Mexico, assignor of one-tenth to L. D. Ornsby, Bexar County, Tex. Push rod. 1,663,345; Mar. 20.
- Life, George G., Chicago, Ill. Toy vehicle. 1,667,940; May 1.

- Lifflander, Johan O., and C. J. A. Johnson, assignors to J. & C. G. Bolinders Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Machine frame. 1,665,137; Apr. 3.
- Lifflander, Johan O., assignor to J. & C. G. Bolinders Mek. Verkstads Aktiebolag, Stockholm, Sweden. Planing cutter. 1,677,898; July 24.
- Lifschutz, Louis, Buffalo, N. Y. Circuit closer for collision-indicating devices. 1,682,134; Aug. 28.
- Lifshitz, Alex M., Brooklyn, N. Y. Automatic drum. 1,685,090; Sept. 25.
- Lifter, Anna, New York, N. Y. Apparel. 1,685,091; Sept. 25.
- Liftin, Daniel, New York, N. Y. Finger ring. 1,675,715; July 3.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Roller support. 1,665,418; Apr. 10.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Stacking machine. 1,680,223; Aug. 7.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Crushing machine. 1,694,423; Dec. 11.
- Light, Albert T., New York, N. Y. Measuring apparatus. 1,662,523; Mar. 13.
- Light, Albert T., Brooklyn, N. Y. Batch-weighing device. 1,662,524; Mar. 13.
- Light, Albert T., Brooklyn, N. Y. Batch-measuring device. 1,662,525; Mar. 13.
- Light, Arthur H., Oakland, Calif. Piston structure. 1,678,151; July 24.
- Light, Arthur H., Oakland, Calif. Piston structure. 1,681,488; Aug. 21.
- Light, Floyd F., Beckley, W. Va. Bucket hanger. 1,667,211; Apr. 24.
- Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Connector. 1,674,253; June 19.
- Lighthipe, Kenneth D., East Orange, N. J., assignor to Elevator Supplies Company, Inc. Casing for an elevator signal or similar article. Des. 74,180; Jan. 3.
- Lighthipe, Kenneth D., East Orange, N. J., assignor to Elevator Supplies Company, Inc. Signal faceplate. Des. 75,128; May 8.
- Light House Rug Co., The. (See Kline, Morris, assignor.)
- Lightship Board Company. (See Scheffey, George B., assignor.)
- Lightship Cloth Board Corporation. (See Smith, Harry B., assignor.)
- Lightie, Harvey H. (See Wells, H. S., and Lightie.)
- Lightnin Tacker Company. (See La Place, Desmond R., assignor.)
- Likely, Alva C. (See Ainsworth, H. W., Likely, and Boardman.)
- Likly, Henry, and Company. (See Howland, Erwin W., assignor.)
- Lilge, Friedrich, Oberhausen, Germany. Packing or filling body. 1,676,451; July 10.
- Lilienfeld, Leon, Vienna, Austria. Cellulose solution and making same. 1,658,606; Feb. 7.
- Lilienfeld, Leon, Vienna, Austria. Viscose and making same. 1,658,607; Feb. 7.
- Lilienfeld, Leon, Vienna, Austria. Cellulose derivative and producing same. 1,672,294; Aug. 28.
- Lilienfeld, Leon, Vienna, Austria. Cellulose compound and making same. 1,674,401; June 19.
- Lilienfeld, Leon, Vienna, Austria. Cellulose thiourethane esters and ethers and making same. 1,674,402; June 19.
- Lilienfeld, Leon, Vienna, Austria. Artificial material and producing same. 1,674,403; June 19.
- Lilienfeld, Leon, Vienna, Austria. Producing artificial material. 1,674,404; June 19.
- Lilienfeld, Leon, Vienna, Austria. Cellulose compounds and making same. 1,674,405; June 19.
- Lilienfeld, Leon, Vienna, Austria. Manufacture of new cellulose derivatives. 1,680,224; Aug. 7.
- Lilienfeld, Leon, Vienna, Austria. Cellulose derivative and producing same. 1,682,292; Aug. 28.
- Lilienfeld, Leon, Vienna, Austria. Artificial material and making same. 1,682,293; Aug. 28.
- Lilienfeld, Leon, Vienna, Austria. Artificial thread and making same. 1,683,199; Sept. 4.
- Lilienfeld, Leon, Vienna, Austria. Artificial material and making same. 1,683,200; Sept. 4.
- Lilienfeld, Leon, Vienna, Austria. Making cellulose ethers and alkali cellulose. 1,683,681; Sept. 11.
- Lilienfeld, Leon, Vienna, Austria. Preparation of alkali cellulose and cellulose ethers. 1,683,682; Sept. 11.
- Lilienfeld, Leon, Vienna, Austria. Cellulose ether and making same. 1,683,831; Sept. 11.
- Liljedahl, Frans J., Oakland, Calif. Rocking-chair. 1,688,587; Oct. 23.
- Liljegen, Gunnar O., Chicago, Ill. Dry-pipe valve. 1,672,572; June 5.
- Liljenroth, Frans G., Stockholm, Sweden. Oxidizing ammonia by means of oxygen. 1,663,914; Mar. 27.
- Liljenroth, Frans G., Stockholm, Sweden. Making a mixture of nitrogen and hydrogen. 1,678,518; July 24.
- Liljenroth, Frans G., Stockholm, Sweden, and M. Larsson, Niagara Falls, N. Y., assignors to Phosphorus-Hydrogen Company. Producing hydrogen. 1,673,691; June 12.
- Lilleberg, Tideman M., assignor to The Nye Tool & Machine Works, Chicago, Ill. Pipe machine. 1,675,182; June 26.
- Lillesø-Petersen, Jens P., Copenhagen, Denmark. Tarpaulin. 1,672,338; June 5.
- Lilly Company, The. (See Williams, Charles E., assignor.)
- Lillibridge, Harry D., Zanesville, Ohio, assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Discharge loading means for tile-cleaning machines. 1,690,542; Nov. 6.
- Lillibridge, Harry D., Zanesville, Ohio, assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Screen-feeding means for tile-cleaning machines. 1,692,556; Nov. 20.
- Lillicrapp, William J., North Melbourne, D. L. O'Shea, and A. Hogan, East Brunswick, Victoria, Australia. Steering-column locking device for motor vehicles. 1,661,697; Mar. 6.
- Lilquist, Victor, et al. (See Krohn, Emil, assignor.)
- Lilly, Eli, and Company. (See Kharasch, Morris S., assignor.)
- Lilly, William, New York, N. Y. Musical instrument. 1,672,386; June 5.
- Lillyquist, John, assignor to Steward-Warner Speedometer Corporation, Chicago, Ill. Speedometer-testing device. 1,658,055; Feb. 7.
- Lima Sheet Metal Products Company. (See Ackerman, Charles L., assignor.)
- Limbert, Rolin J. (See Leopold, F., jr., and Limbert.)
- Limeres, Jesus L., Habana, Cuba. Machine for rounding gear wheels. 1,688,243; Oct. 16.
- Limoges Chicago Company, The. (See Sebring, Frank A., assignor.)
- Limoges China Company, The. (See Sebring, Frank A., assignor.)
- Lin Material Company. (See Steinmayer, Alwin G., assignor.)
- Linaker, Frederick W., and T. M. Bruback, Du Bois, Pa. Boiler soot cleaner. 1,663,851; Mar. 27.
- Linck, Joseph, and A. Joest, Newark, N. J. Collapsible garment rack. 1,685,925; Oct. 2.
- Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electric cut-out. 1,677,720; July 17.
- Lincoln, Elmer W. (See Engle, E. W., and Lincoln.)
- Lincoln Manufacturing Company. (See McFadden, Glenn E., assignor.)
- Lincoln Meter Company. (See Paine, Louis A., assignor.)
- Lincoln Meter Company Limited, The. (See Paine, Louis A., assignor.)
- Lincoln Meter Company, The. (See Drewry, George F., assignor.)
- Lincoln, Robert A., Wichita Falls, Tex. Cutting trap. 1,656,526; Jan. 17.
- Lincoln, Robert A., Tonkawa, Okla. Cock. 1,661,432; Mar. 6.
- Lincoln, Robert A., assignor of one-half to American Iron & Machine Works, Inc., Tonkawa, Okla. Casing cutter. 1,660,228; Feb. 21.
- Lincoln, Robert A., Tonkawa, assignor of one-half to American Iron & Machine Works, Inc., Oklahoma City, Okla. Rotary drilling apparatus. 1,660,714; Feb. 28.
- Lincoln, Rollo B., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-control system. 1,678,865; July 31.
- Lincoln, Rollo B., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Induction furnace. 1,682,388; Aug. 28.
- Lincoln, Rollo B., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,687,676; Oct. 16.
- Lincoln, Rollo B., Wilksburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-control system. 1,695,853; Dec. 18.
- Lincoln Scale Corporation. (See Burke, Robert J., assignor.)
- Lincoln Steel & Forge Company. (See Barks, Frank S., assignor.)
- Lind, Adolph F., Kittanning, Pa. Combined table and ironing board. 1,691,821; Nov. 13.
- Lind, Ebba, New York, N. Y. Comb. 1,676,099; July 3.
- Lind, Frederick A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Holder for tires. 1,665,887; Apr. 10.
- Lind, Otto, Dusseldorf, Germany. Urease preparation. 1,679,250; July 31.
- Lindhahl, Anders. (See Luttrupp, Conrad, assignor.)
- Lindhahl, Carl, Newark, assignor to American Gasaccumulator Company, Elizabeth, N. J. Flasher. 1,673,834; June 19.
- Lindall, John, Boston, Mass. Brush holder for electric motors. 1,671,533; May 29.
- Lindas, Henry E., Colorado Springs, Colo. Collapsible conduit core. 1,684,497; Sept. 18.
- Lindberg, Carl E., Silverdale, Wash. Hand drill. 1,667,976; May 1.
- Lindberg, John F., assignor to Reliance Die & Stamping Company, Chicago, Ill. Electrostatic condenser. 1,664,518; Apr. 3.
- Lindblad, Charles V. (See Clausen, S., and Lindblad.)
- Lindblad Corporation, The. (See Lindblad, Harmon E., assignor.)

- Lindblad, Harmon E., Brookline, Mass., assignor to The Lindblad Corporation. Apparatus for controlling sheets. 1,676,654; July 10.
- Lindbloom, Albert C., Chicago, Ill. Packing device for valve stems. 1,683,293; Sept. 4.
- Lindburg, Joseph, Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. Re16,973; May 22.
- Lindburg, Joseph, Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,867; Aug. 7.
- Lindburg, Joseph, Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,686,016; Oct. 2.
- Linde Air Products Company. (See Miller, Samuel W., assignor.)
- Linde Air Products Company, The. (See Feild, Alexander L., assignor.)
- Linde Air Products Company, The. (See Haynes, Pierre E., assignor.)
- Linde, Andrew H., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Laminated cage for antifriction bearings and manufacturing such cages. 1,677,833; July 17.
- Linde, August, Muckenberg, Nieder-Lausitz, Germany. Trolley-wire holder for electric tramways and other railways. 1,660,562; Feb. 28.
- Lindemann, A. J., & Hoverson Company. (See Lindemann, W. C., and Benson, assignors.)
- Lindemann, A. J., & Hoverson Company. (See Rutenber, Edwin A., assignor.)
- Lindemann, Clarence W., assignor to Chicago Pump Company, Chicago, Ill. Float-operated electric-switch-actuating mechanism. 1,666,498; Apr. 17.
- Lindemann, Clarence W., assignor to Chicago Pump Company, Chicago, Ill. Centrifugal pump. 1,673,151; June 12.
- Lindemann, Walter C., and A. W. Benson, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Folding portable stove frame. 1,686,620; Oct. 9.
- Lindenblad, Nils E., Shoreham, N. Y., assignor to Radio Corporation of America. Intertransposition of sound and electrical energy. 1,685,075; Sept. 18.
- Lindensmith, Harry, Walkerton, Ontario, Canada. Fence post. 1,667,424; Apr. 24.
- Linder, John L., Palo Alto, Calif. Swimming glove. 1,679,836; Aug. 7.
- Linder, Oscar, assignor to The Ideal Roller & Mfg. Co., Chicago, Ill. Roller. 1,669,942; May 15.
- Linder, Oscar B., New York, N. Y. Shock absorber for vehicle seat backs. 1,669,567; May 15.
- Linderblad, Alfonz L. (See Viberg, E. R., and Linderblad.)
- Linderholm, Oscar E. (See Soderquist, Victor E., assignor.)
- Linderman, Bert A., Muskegon, Mich. Fluid-pressure-operated device. 1,690,543; Nov. 6.
- Linderman, Bert A., New York, N. Y., assignor to Linderman & Co., Wilmington, Del. Fluid-pressure brake system. 1,659,034; Feb. 14.
- Linderman, Bert A., New York, N. Y., assignor to Linderman & Company, Wilmington, Del. Fluid-pressure device. 1,661,295; Mar. 6.
- Linderman & Company. (See Linderman, Bert A., assignor.)
- Linderman, Garrett B., jr., Bethlehem, Pa., assignor, by mesne assignments, to American Meter Company, Incorporated, New York, N. Y. Meter. 1,677,834; July 17.
- Linderman, Garrett B., jr., Erie, Pa., assignor to American Meter Company, Incorporated, New York, N. Y. Meter. 1,677,835; July 17.
- Linderman, Garrett B., jr., Erie, Pa., assignor to American Meter Company, Incorporated, New York, N. Y. Blower. 1,683,474; Sept. 4.
- Lindersmith, Francis M., Spokane, Wash. Window. 1,686,162; Oct. 2.
- Lindfors, Karl R., assignor to Michigan Sugar Company, Saginaw, Mich. Making fertilizer material. 1,657,128; Jan. 24.
- Lindgren, Alexis C., Chicago, and A. D. Gallagher, Canton, assignors to International Harvester Company, Chicago, Ill. Tractor attachment. 1,677,482; July 17.
- Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Controlling mechanism for power presses. 1,655,617; Jan. 10.
- Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Side-seaming press. 1,694,862; Dec. 11.
- Lindgren, Gottfrid E. (See Elliot, W. S., and Lindgren.)
- Lindgren, Gustaf A., Sandviken, Sweden. Rolling down hollow bodies. 1,662,680; Mar. 13.
- Lindgren, Stanley H., Maywood, Ill., assignor to American Can Company, New York, N. Y. Dredge can. 1,683,832; Sept. 11.
- Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Clutch. 1,669,256; May 8.
- Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Vacuum cleaner. 1,674,254; June 19.
- Lindgren, Waldemar L., assignor to A. A. Norton, Chicago, Ill. Handle for vacuum cleaners, etc. 1,677,721; July 17.
- Lindhal, John T., Stockholm, Sweden. Peeling machine for potatoes and the like. 1,681,737; Aug. 21.
- Lindhard, Poul T., Brooklyn, assignor to F. L. Smith & Co., New York, N. Y. Rotary kiln and cooler. 1,675,416; July 3.
- Lindhorst, Rudolph J., Cleveland, Ohio. Rug fastener. 1,681,417; Aug. 21.
- Lindig, Harry J., et al. (See Shay, James M., assignor.)
- Linding, Herman M., Ossining, N. Y. Flycatcher. 1,660,011; Feb. 21.
- Lindley, Edward S., Lahore, Ind. Meter for fluids. 1,677,189; July 17.
- Lindley, Hugh B., Hattiesburg, Miss. Automobile stopping device. 1,668,279; May 1.
- Lindley, Hugh B., assignor to one-half to A. K. McInnis, Hattiesburg, Miss. Separator. 1,673,835; June 19.
- Lindmeyer, Louis W., Butte, Mont. Pedal holder. 1,691,822; Nov. 13.
- Lindner, Arthur C. E., Middletown, Ohio. Windshield wiper. 1,660,971; Feb. 28.
- Lindner, John C., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Relay. 1,676,340; July 10, 1928.
- Lindner, Theodor, New York, assignor, by mesne assignments, to H. Hureson, Brooklyn, N. Y. Universal lock joint. 1,671,991; June 5.
- Lindner, Walther, assignor to Hohenzollern Aktiengesellschaft für Lokomotivbau, Dusseldorf-Grafenberg, Germany. Friction wheel gear. 1,662,681; Mar. 13.
- Lindquist, David L., Hartsdale, N. Y., E. L. Dunn, East Orange, N. J., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Elevator system. 1,694,712; Dec. 11.
- Lindquist, Edward, Omaha, Nebr. Sliding-jaw wrench. 1,683,201; Sept. 4.
- Lindquist, Ernest W., Helsingfors, Finland. Rotary screen for screening pulp and paper stock. 1,694,622; Dec. 11.
- Lindridge, Charles D., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for recording and reproducing sound. 1,675,894; July 3.
- Lindroos, William V., Helsingfors, Finland. Snow and ice scooter. 1,681,297; Aug. 21.
- Lindroth, Gerald J. (See Hall, E. A., and Lindroth.)
- Lindsay, Charles W., Houston, Tex. Firearm. 1,674,907; June 26.
- Lindsay, Charles W., Houston, Tex. Single-trigger mechanism for double-barrel firearms. 1,693,929; Dec. 4.
- Lindsay, David M., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tube-end trimmer. 1,669,397; May 8.
- Lindsay, Donald E., Springfield, Pa. Lantern. Des. 75,438; June 5.
- Lindsay, Donald E., Springfield, assignor to Murlin Manufacturing Company, Incorporated, Philadelphia, Pa. Lantern. 1,696,244; Dec. 25.
- Lindsay, Hamilton, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven-wire belts. 1,674,289; June 19.
- Lindsay, Harvey B., Oakland, Calif., assignor to Dry Zero Corporation, Wilmington, Del. Body formed of separate fibers. 1,679,251; July 31.
- Lindsay, Harvey B., Evanston, Ill., assignor to Dry Zero Corporation, Wilmington, Del. Thermal insulating structure. 1,694,947; Dec. 11.
- Lindsay, Homer J., assignor to Clark-Lindsey Corporation, Rochester, N. Y. Signal tab. 1,654,545; Jan. 3.
- Lindsay Light Company. (See Little, Robert L., assignor.)
- Lindsay, Lycurgus, Los Angeles, Calif. Vacuum air separator. 1,675,941; July 3.
- Lindsay, William. (See Gordon, D. D., and Lindsay.)
- Lindsay Wire Weaving Company, The. (See Lindsay, Hamilton, assignor.)
- Lindseth, Theodore, Astoria, Oreg. Cooling and freezing apparatus. 1,657,447; Jan. 24.
- Lindsey, Ernest E., San Francisco, Calif. Compound for bread making. 1,690,688; Nov. 6.
- Lindsey, Florian V., Winnipeg, Manitoba, Canada. Bottle cap. 1,667,862; May 1.
- Lindsey, George C., Los Angeles, Calif., assignor of nine thirty-seconds to R. Turner, seven thirty-seconds to M. Gozzo, one-eighth to D. Eminger, and six thirty-seconds to V. P. Hendrich. Operating unit for sound-amplifying devices. 1,654,741; Jan. 3.
- Lindsey, George C., Los Angeles, Calif., assignor of seven thirty-seconds to M. Gozzo, one-eighth to D. Eminger, six thirty-seconds to V. P. Hendricks, and four thirty-seconds to R. Turner. Sound reproducer. 1,663,256; Mar. 20.
- Lindsey, Parren D. (See Harrison, C. D., and Lindsey.)
- Lindsey, Ralph A., Minneapolis, Minn. Chest having removable liner and trays. 1,661,185; Mar. 6.
- Linsley, Benjamin F., Mansfield, Ohio. Convertible mechanism for furniture or the like. 1,656,675; Jan. 17.
- Linsley, Benjamin F., Mansfield, Ohio. Combined fabric support and brace. 1,659,778; Feb. 21.
- Linsley, William E., Brooklyn, N. Y. Electrical connector. 1,657,933; Jan. 31.
- Lindstrom, Carl G., assignor to Rice, Barton & Fales, Inc., Worcester, Mass. Calendar doctor. 1,692,747; Nov. 20.
- Lindstrom, Frank A., St. Paul, Minn. Paddle boat. 1,691,396; Nov. 13.
- Lindstrom, Frank L., Bridgeport, Conn. Toy motor boat. 1,673,701; June 12.
- Lindstrom, Frank L., Bridgeport, Conn. Spinning head for spinning tops. 1,680,423; Aug. 14.
- Lindstrom, Olof, Marquette, Mich. Electrical foot-drying machine. 1,658,489; Feb. 7.
- Lindy, Abraham E., Webster, Mass. Hand soap. 1,659,980; Feb. 21.

- Line, John M., Springfield, Mo. Portable bed for automobiles of the sedan type. 1,676,987; July 10.
- Line Material Company. (See Arndt, John P., assignor.)
- Line Material Company. (See Hendee, Lem E., assignor.)
- Line Material Company. (See Kyle, William D., assignor.)
- Line Material Company. (See Kyle, W. D., and Hendee, assignors.)
- Line Material Company. (See Steinmayer, Alwin G., assignor.)
- Line Material Co. (See Van Wagner, Paul, assignor.)
- Linendoll, Asa E., Norwalk, Ohio. Universal cut-out valve. 1,672,266; June 5.
- Linendoll, Asa E., Norwalk, Ohio. Motor-car heater. 1,672,267; June 5.
- Ling, Robert H., Conemaugh, Pa. Planetary-power transmission. 1,668,852; May 8.
- Ling, Stephen G., Cleveland, Ohio. Piston-ring compressor. 1,663,084; Mar. 20.
- Ling, Stephen G., Spokane, Wash. Piston-ring tool. 1,666,460; Apr. 17.
- Linga Company, The. (See Linga, Torbjorn, assignor.)
- Linga, Torbjorn, assignor to The Linga Company, Waukegan, Ill. Carburetor. 1,682,761; Sept. 4.
- Lingenfelder, Fred O., Lincoln Nebr. Racing toy. 1,660,715; Feb. 28.
- Lingner, Alfred, Niagara Falls, N. Y. Mirror antislare shield. 1,668,160; May 1.
- Lingner, Carl, Dessau in Anhalt, assignor to Hofbuchdruckerei Von C. Dunhaupt G. m. b. H., Dessau, Germany. Register sheet for printing presses and the like. 1,684,324; Sept. 11.
- Lingo, Archibald E., Collingswood, N. J. Flagpole construction. 1,679,313; July 31.
- Lingler, George, Fort Wayne, Ind. Pipe support. 1,667,124; Apr. 24.
- Lininger, Bertha B., Versailles, Mo. Stocking protector. 1,666,017; Apr. 10.
- Link, Albert C., Detroit, Mich. Golf club. 1,659,272; Feb. 14.
- Link, Albert C., Detroit, Mich. Golf club. 1,659,273; Feb. 14.
- Link, Albert C., assignor to The L. A. Young Company, Detroit, Mich. Golf club. 1,659,274; Feb. 14.
- Link, Albert C., assignor to The L. A. Young Company, Detroit, Mich. Golf club. 1,672,618; June 5.
- Link-Belt Company. (See Petersen, J. H. D., and Wilson, assignors.)
- Link-Belt Company. (See Pierce, Harold S., assignor.)
- Link, David C., Lawrence, N. Y. Ultra-violet lamp apparatus. 1,668,566; May 8.
- Link, George N. (See Waream, C. E., and Link.)
- Link, Rolls P., London, England. Printing bed for embossing or imprinting machines. 1,661,898; Mar. 6.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,654,690; Jan. 3.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Clutch construction. 1,663,803; Mar. 27.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,664,256; Mar. 27.
- Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,684,547; Sept. 18.
- Link, Vincent, and H. S. Pierce, Detroit, Mich., assignors to The Studebaker Corporation, South Bend, Ind. Brake. 1,689,554; Oct. 30.
- Linke, Oscar W. (See Steiert, A. F., and Linke.)
- Linley, Fred H., Duluth, Minn. Combustion control in steam-boiler furnaces. 1,695,431; Dec. 18.
- Linn, Albin T., Port Angeles, Wash. Guest indicator. 1,658,245; Feb. 7.
- Linn, Holman H., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Vehicle drive. 1,685,641; Sept. 25.
- Linn, Holman H., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Tractor. 1,685,676; Sept. 25.
- Linn Manufacturing Corporation, The. (See Linn, Holman H., assignor.)
- Linney, George B., Osceola, Mo. Elastic body belt. 1,660,451; Feb. 28.
- Linnmann, Wilhelm, jr., Essen-Altenessen, Germany. Apparatus for separating liquids of different gravity. 1,655,191; Jan. 3.
- Linnmann, Wilhelm, jr., Essen-Altenessen, Germany. Apparatus for separating liquids of different specific gravities. 1,671,115; May 29.
- Linotype & Machinery Limited. (See Bower, William M., assignor.)
- Linotype and Machinery, Limited. (See Drake, Tom, assignor.)
- Linotype and Machinery Limited. (See Shuttleworth, John, assignor.)
- Linotype and Machinery Limited. (See Spence, Fred, assignor.)
- Lins, Christian J. (See Zavitsky, E., and Lins.)
- Linsemeyer, Nettie, Yazoo City, Miss. Spoon-holding attachment. 1,657,968; Jan. 31.
- Linstrom, Eric B., Lombard, assignor of one-half to W. C. Mayland, Chicago, Ill. Typewriter-attaching device. 1,660,648; Feb. 28.
- Linthicum, Samuel W. (See Bowman, George S., assignor.)
- Linton, Chester A., Kansas City, Mo. Phonograph sound amplifier. 1,663,989; Mar. 27.
- Linville, Clarence P., Elizabeth, and C. E. Mensing, Somerville, assignors to Calco Chemical Company, Boundbrook, N. J. Globular bisulphate of soda and making the same. 1,671,866; May 29.
- Linz, John, Pittsburgh, Pa. Ventilator. 1,664,456; Apr. 3.
- Lion, Charles R., Los Angeles, Calif. Automatic sewer flusher. 1,677,352; July 17.
- Lion Electric Manufacturing Company. (See Krause, Arthur, assignor.)
- Lion, Harold S., assignor, by mesne assignments, to United Milk Crate Company, Cincinnati, Ohio. Box. 1,691,158; Nov. 13.
- Lion Match Company. (See Greenbaum, L., Van Hoofstadt, and Gustavson, assignors.)
- Lional Corporation, The. (See Bronson, Randolph F., assignor.)
- Lional Corporation, The. (See Caruso, Louis, assignor.)
- Lional Corporation, The. (See Cowen, Joshua L., assignor.)
- Lional Corporation, The. (See Gill, Aaron H., assignor.)
- Lioud, Frank, St. Etienne, France. Carburetor. 1,684,355; Sept. 11.
- Lioy, F. Paul, Passaic, N. J. Insole for boots and shoes. 1,689,398; Oct. 30.
- Lipe, Raleigh V., Cincinnati, Ohio. Vehicle brake. 1,686,870; Oct. 9.
- Lipke, Frank, Mishawaka, Ind. Dirigible headlight. 1,685,092; Sept. 25.
- Lipman, Carl E. L., assignor to National Refrigeration Corporation, Beloit, Wis. Expansion valve. 1,659,918; Feb. 21.
- Lipman, Charles B., and A. Gordon, assignors to Regents of the University of California, Berkeley, Calif. Impregnating wood with substances toxic to animal and bacterial life and fungus growths. 1,693,930; Dec. 4.
- Lipman, Estella. (See Boehme, Frances, assignor.)
- Lipner, Abe, Indiana Harbor, Ind. Culinary strainer. 1,664,564; Apr. 3.
- Lipp, Victor K., Seattle, Wash. Apparatus for drawing and steering trailer vehicles. 1,690,985; Nov. 6.
- Lippard, Herman I., Upper Darby, Pa. Sewing needle. Re16,926; Apr. 10.
- Lippard, Jesse L. (See Kitchel, R. R., Lippard, and Mullan.)
- Lippe, Martin, assignor, by mesne assignments, to Hedman Manufacturing Company, Chicago, Ill. Change-making machine. 1,673,366; June 12.
- Lipper, Clarence, assignor to Lipper Manufacturing Co., Inc., Philadelphia, Pa. Bandeau. 1,661,141; Feb. 28.
- Lipper, Clarence, assignor to Lipper Manufacturing Co., Inc., Philadelphia, Pa. Textile fabric. 1,661,142; Feb. 28.
- Lipper, Lawrence, Houston, Tex. Metal window guide. 1,663,274; Mar. 20.
- Lipper Manufacturing Co. (See Lipper, Clarence, assignor.)
- Lippert, Aloysius C., Kenosha, Wis., assignor, by mesne assignments, to The Norlipp Company, Chicago, Ill. Radiator cap. Des. 75,037; May 1.
- Lippert, Aloysius C., Kenosha, Wis., assignor to The Norlipp Company, Chicago, Ill. Radiator cap. 1,655,964; Jan. 10.
- Lippert, Aloysius C., Kenosha, Wis., assignor to The Norlipp Company, Chicago, Ill. Radiator cap. 1,663,054; Mar. 20.
- Lippert, Aloysius C., Kenosha, Wis., assignor to The Norlipp Company, Chicago, Ill. Gasket for radiator caps. 1,671,299; May 29.
- Lippert, Aloysius C., Kenosha, Wis., assignor to The Norlipp Company, Chicago, Ill. Radiator-cap-latching device. 1,692,178; Nov. 20.
- Lippert, Aloysius C., Kenosha, Wis., assignor to The Norlipp Company, Chicago, Ill. Latching device for radiator caps. 1,692,179; Nov. 20.
- Lippert, Leo W., Chippewa Falls, Wis. Tool for assembling chain links. 1,696,578; Dec. 25.
- Lippert, Samuel, Garfield Heights, assignor to The Outlook Manufacturing Company, Cleveland, Ohio. Electric switch. 1,693,608; Dec. 4.
- Lippert, Walter E., Hewlett, assignor to Samuel Bonat & Bros., New York, N. Y. Pedestal dome for permanent-hair-waving machines. Des. 76,696; Oct. 23.
- Lippert, William V., assignor to The Norlipp Company, Chicago, Ill. Radiator-locking cap. 1,655,963; Jan. 10.
- Lippincott, Carl L., Newark, Ohio. Sheet-metal crate. 1,693,906; Dec. 4.
- Lippincott, Donald K. (See Pridham, E. S., and Lippincott.)
- Lippitt, Henry. (See Schmitt, Robert A., assignor.)
- Lippold, Adolph J., assignor to Milwaukee Dairy Supply Mfg. Co., Milwaukee, Wis. Milk-bottle-draining device. 1,667,075; Apr. 24.
- Lipps, Morris, New York, N. Y. Spring-cushion construction. 1,684,234; Sept. 11.
- Lipps, William D., Frederick, Md., assignor to Ox Fibre Brush Company, New York, N. Y. Brush machine. 1,654,655; Jan. 3.
- Lipschutz, David, assignor to The L. & R. Company, Louisville, Ky. Display and vending device. 1,695,463; Dec. 18.
- Lipschutz, George, Philadelphia, Pa. Adjustable fixture strap. 1,659,404; Feb. 14.

- Lipschutz George, Philadelphia, Pa. Electric attachment plug. 1,685,608; Sept. 25.
- Lipschutz, Gus. (See Goldfinger, Hyman, assignor.)
- Lipschutz, John E. (See Peyton, J. W., and Lipschutz.)
- Lipscomb, Gaston J., Montclair, N. J. Pressure and vacuum filter. 1,676,268; July 10.
- Lipscomb, James H., Bokchito, Okla. Knockdown coop. 1,684,135; Sept. 11.
- Lipsius, Samuel, New York, N. Y. Automatic powdering machine. 1,696,171; Dec. 18.
- Lipsky, Norman, assignor to Halcolite Company, Inc., New York, N. Y. Lighting-fixture wall bracket. Des. 74,181; Jan. 3.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture wall bracket. Des. 74,232; Jan. 10.
- Lipsky, Norman, assignor to Halcolite Company, Inc., New York, N. Y. Lighting-fixture body or analogous article. Des. 74,268; Jan. 17.
- Lipsky, Norman, assignor to Halcolite Company, Inc., New York, N. Y. Lighting-fixture strap or analogous article. Des. 74,269; Jan. 17.
- Lipsky, Norman, assignor to Halcolite Company, Inc., New York, N. Y. Lighting-fixture canopy or analogous article. Des. 74,270; Jan. 17.
- Lipsky, Norman, assignor to Halcolite Company, Inc., New York, N. Y. Lighting-fixture part. Des. 74,313; Jan. 24.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company Inc. Lighting-fixture arm or analogous article. Des. 74,379; Feb. 7.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture wall bracket or analogous article. Des. 74,981; Apr. 24.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture ring or article of analogous nature. Des. 75,264; May 22.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture streamer or article of analogous nature. Des. 75,265; May 22.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture wall bracket or article of similar nature. Des. 75,266; May 22.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Candle cup or article of analogous nature. Des. 76,945; Nov. 20.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture plate or article of analogous nature. Des. 77,014; Nov. 27.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture streamer or article of analogous nature. Des. 77,015; Nov. 27.
- Lipsky, Norman, New York, N. Y., assignor to Halcolite Company, Inc. Lighting-fixture wall bracket or article of similar nature. Des. 77,016; Nov. 27.
- Liptak Fire-Brick Arch Co. (See Boyd, William H., assignor.)
- Liptak, Michael, Minneapolis, Minn. Fire-tile door-frame. 1,665,555; Apr. 10.
- Liptak, Michael, St. Paul, Minn. Fire wall. 1,665,556; Apr. 10.
- Liptak, Michael, St. Paul, Minn. Fire-wall construction. 1,688,192; Oct. 16.
- Liquid Carbonic Co. (See De Stefani, Tully, assignor.)
- Liquid Carbonic Co. (See Kantor, J., Fick, and Traxel, assignors.)
- Liquid Carbonic Corporation, The. (See Mohler, Valentine J., assignor.)
- Liquid Dispensing Systems, Inc. (See Hawxburst, John J., assignor.)
- Liquid Dispensing Systems, Inc. (See Stedwell, George W., assignor.)
- Liquid Veneer Corporation. (See Schaedel, Henry V., assignor.)
- Liquo-Gas Company. (See Wood, James A., assignor.)
- Lischke, John B., Lancaster, Ky. Vault-door safety device. 1,692,044; Nov. 20.
- Lisenby Manufacturing Company. (See Low, Charles L., assignor.)
- Lisk, George K., Richmond Hill, N. Y. Lubricating system. 1,659,954; Feb. 21.
- Lisle, Howard C., Lansing, Mich., and F. H. Lewis, assignors to Bean Spray Pump Co., San Jose, Calif. Elevator. 1,686,825; Oct. 9.
- Liss, August S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article-forming apparatus. 1,687,574; Oct. 16.
- Lissauer, Adolph W., assignor to Louisville Drying Machinery Co., Inc., Louisville, Ky. Drier control. 1,676,786; July 10.
- Lissauer, Adolph W., assignor to Louisville Drying Machinery Co., Inc., Louisville, Ky. Heat exchanger. 1,676,787; July 10.
- Lissfelt, Harry L., New York, N. Y., assignor to Macbeth-Evans Glass Company, Charleroi, Pa. Glass tumbler. Des. 75,853; July 24.
- Lissy, William, Spokane, Wash. Miter square. 1,691,118; Nov. 13.
- List, Lorenz C., et al., trustees. (See Fisher, W. Reuen, assignor.)
- List, Raymond F., assignor to National Sewing Machine Company, Belvidere, Ill. Lighting attachment for sewing machines. 1,685,850; Oct. 2.
- Lister, James F., and H. W. Smallwood, Birmingham, England. Automatically-oscillating electric fan. 1,684,325; Sept. 11.
- Lister, R. A., & Company. (See Ashworth, Percy B., assignor.)
- Lister, R. A., & Company Limited. (See Grist, George, assignor.)
- Lister, Samuel W. (See Lister, Victor and S. W.)
- Lister, Victor and S. W., Woolwich, England. Rotary washing machine. 1,695,089; Nov. 27.
- Listing, Friedrich W. O. (See Boelkow, F. E., and Listing.)
- Litchfield, Edgar C., et al. (See Litchfield, E. C., Hermann, and Speer, assignors.)
- Litchfield, Edgar C., Cedar Falls, C. C. Hermann, Waterloo, and V. Speer, Cedar Falls, assignors to H. L. Litchfield, Waterloo, and E. C. Litchfield, Cedar Falls, Iowa. Converted manure spreader. 1,662,010; Mar. 6.
- Litchfield, Edgar C., Cedar Falls, C. C. Hermann, Waterloo, and V. Speer, Cedar Falls, assignors to H. L. Litchfield, Waterloo, and E. C. Litchfield, Cedar Falls, Iowa. Distributor for mineral fertilizers. 1,668,516; May 1.
- Litchfield, George F., Killara, New South Wales, Australia. Fruit grader. 1,656,210; Jan. 17.
- Litchfield, Henry L., et al. (See Litchfield, E. C., Hermann, and Speer, assignors.)
- Lichtenstadt, Charles, Chicago, Ill. Protecting and fire-proofing materials. 1,691,726; Nov. 13.
- Lithographic Technical Foundation, Inc., The. (See Reed, R. F., and Scholl, assignors.)
- Lithoprintex Corporation. (See Jones, Harry C., assignor.)
- Little, Thomas J., jr., assignor to Copeland Products, Inc., Detroit, Mich. Compressor. 1,661,433; Mar. 6.
- Little, Thomas J., jr., assignor to Copeland Products, Inc., Detroit, Mich. Refrigerator freezing device. 1,684,590; Sept. 18.
- Litovich, B. I., et al. (See Evans, Jack, assignor.)
- Littell, Frank E., Peoria, Ill. Elevated runway for vehicles. 1,656,748; Jan. 17.
- Littell, Nelson, New York, N. Y. Process and apparatus for casting. 1,683,475; Sept. 4.
- Litten, Ira E., Orange, Calif. Snubber. 1,693,281; Nov. 27.
- Litter, Frederick A., Columbus, Ohio. Holding and turning apparatus. 1,674,208; June 19.
- Litter, Frederick A., Columbus, Ohio. Reamer grinder. 1,675,858; July 3.
- Little, Alice, Santa Cruz, Calif. Cover for toilets. Des. 75,922; July 31.
- Little, Benjamin P. (See Pike, R. D., West, and Little.)
- Little, Charles C., deceased; G. E. Little, administrator, assignor to E. F. Distel, San Jose, Calif. Measuring and computing device. 1,661,151; Feb. 28.
- Little, Donald G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving system. 1,667,863; May 1.
- Little, Donald G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Tube support. 1,671,476; May 29.
- Little, Donald G., Edgewood, Pa., assignor to Radio Corporation of America. Radio apparatus. 1,682,703; Aug. 28.
- Little, Donald G., Edgewood, and R. L. Davis, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Radio system. 1,695,966; Dec. 18.
- Little, Edwin O., Aledo, Ill. Casing for advertising device. Des. 75,739; July 10.
- Little, Francis M., Youngstown, Ohio. Hair-curling appliance. 1,682,345; Aug. 28.
- Little, Frederick B., assignor to J. C. Deagan, Inc., Chicago, Ill. Musical-sound-producing instrument. 1,691,295; Nov. 13.
- Little, George E., administrator. (See Little, Charles C.)
- Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,680,422; Aug. 14.
- Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor and making the same. 1,687,67; Oct. 16.
- Little, Harold B., Baltimore, Md. Sign-supporting frame. 1,656,150; Jan. 10.
- Little, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating cores. 1,666,214; Apr. 17.
- Little, John V., Kerto, near Taft, Calif. Device for inducing a flow of oil in oil wells. 1,658,345; Feb. 7.
- Little, John W., Hamilton, Ohio. Foldable suspension hook. 1,661,837; Mar. 6.
- Little, Robert L., assignor to Lindsay Light Company, Chicago, Ill. Canopy for ceiling fixtures. 1,687,166; Oct. 9.
- Little, Thomas P., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Beveling and sealing clamp. 1,687,340; Oct. 9.
- Little, William F., Nepperhan Heights, N. Y. Tail light for automobiles. 1,694,660; Dec. 11.
- Little, William M., and J. L. Sherman, Norphlet, Ark. Separator. 1,663,411; Mar. 20.
- Little, William T., Westfield, N. J. Separating tin and arsenic compound. 1,670,307; May 22.

- Littlefield, Arthur S. (See Thackery, Thomas W., assignor.)
- Littlefield, Arthur S., Winnetka, assignor to Littlefield Manufacturing Company, Chicago, Ill. Toy cannon. 1,673,945; June 19.
- Littlefield, Henry B., Cleveland Heights, Ohio. Companion bed. 1,682,577; Aug. 28.
- Littlefield Manufacturing Company. (See Littlefield, Arthur S., assignor.)
- Littlehales, George W., Washington, D. C. Mechanical means for use in finding geographical position in navigation. 1,673,836; June 19.
- Littlejohn, Dana M., Pana, Ill. Toggle-squeeze hemostat forceps. 1,659,112; Feb. 14.
- Littler, James H., assignor to S. Cheney & Son, Manlius, N. Y. Rotary grinder. 1,664,693; Apr. 3.
- Littleton, George N., Portland, Oreg. Fixture bracket. 1,688,193; Oct. 16.
- Littleton, George N., Portland, Oreg. Canopy or fixture securing device. 1,693,396; Nov. 27.
- Littleton, Jesse T., jr., assignor to Corning Glass Works, Corning, N. Y. Detecting and measuring strains. 1,681,991; Aug. 28.
- Littman, Zeno. (See Davis, Robert W., assignor.)
- Littman, Zeno, New York, N. Y. Pneumatic tire. 1,686,977; Oct. 9.
- Littman, Zeno, assignor to Cohoes Envelope Co., Inc., New York, N. Y. Paper bag. 1,661,143; Feb. 28.
- Littmann, Edward A., Cudahy, Wis. Ice-cream dispenser. Des. 75,129; May 8.
- Litton, Moses P. (See Godsey, R. D., and Litton.)
- Litty, John R., Philadelphia, Pa. Cake-splitting machine. 1,665,888; Apr. 10.
- Litty, John R., and T. B. Lundin, Philadelphia, Pa. Subdividing attachment for measuring machines. 1,685,425; Sept. 25.
- Litty, John R., and T. B. Lundin, Philadelphia, Pa. Filling machine. 1,687,944; Oct. 16.
- Litty, John R., and T. B. Lundin, Philadelphia, Pa. Fruit-cleaning machine. 1,691,727; Nov. 13.
- Litvinchev, Ivan I., Moscow, Russia. Automatic train-switching device. 1,691,296; Nov. 13.
- Litwin, Julia, Buffalo, N. Y. Fish lifter. Des. 76,143; Aug. 21.
- Litzenberg, William R. (See Keller, Graydon M., assignor.)
- Litzner, Adam L., Allenville, Mich. Well-drilling machine. 1,682,295; Aug. 28.
- Livance, Frank E., jr., Grandville, Mich. Automobile hood latch. 1,670,116; May 15.
- Livance, Frank E., jr., Grandville, Mich. Hood latch. 1,670,117; May 15.
- Livergood, Gerald R., Houston, Tex. Pipe-supporting device. 1,661,838; Mar. 6.
- Livergood, Gerald R., Houston, assignor of one-fourth to W. L. Pearson, Harris County, Tex. Detachable pilot for pump plungers. 1,683,683; Sept. 11.
- Livergood, Gerald R., Houston, Tex. Well-drilling apparatus. 1,693,609; Dec. 4.
- Livmore, Frank D., Far Rockaway, N. Y., assignor to Screenless Colortone Corporation. Reproducing pictures and the like. 1,668,686; May 8.
- Livmore, George A., Joplin, Mo., assignor to The B. F. Goodrich Company, New York, N. Y. Blasting-cap protector. 1,678,257; July 24.
- Livmore, Kenneth C., Ithaca, N. Y. Two-way plow. 1,666,016; Apr. 10.
- Livmore, William T., Allentown, Pa., assignor to Graham Brothers, Evansville, Ind. Brake mechanism. 1,657,541; Jan. 31.
- Livers, John F., Kansas City, Mo., assignor to The Bailey-Reynolds Chandelier Company. Lighting-fixture banding or article of similar nature. Des. 74,681; Mar. 13.
- Livers, John F., Kansas City, Mo., assignor to The Bailey-Reynolds Chandelier Company. Lighting-fixture ring or article of similar nature. Des. 74,682; Mar. 13.
- Livers, John F., Kansas City, Mo., assignor to The Bailey-Reynolds Chandelier Company. Plate for lighting fixtures or articles of similar nature. Des. 74,683; Mar. 13.
- Livers, John F., Kansas City, Mo., assignor to The Bailey-Reynolds Chandelier Company. Lighting-fixture backplate or article of similar nature. Des. 74,684; Mar. 13.
- Livesay, Andrew J., White Sulphur Springs, W. Va. Folding rack or holder. 1,681,418; Aug. 21.
- Livesay, Everett G., Dayton, Ohio. Towing apparatus. 1,690,372; Nov. 6.
- Livieri, Dan. (See Grilli, Angelo, assignor.)
- Livingston, Alvan V., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Vehicle driving apparatus and system. 1,655,231; Jan. 3.
- Livingston, Edward G., et al. (See Martin, Robert E., assignor.)
- Livingston, Eugene, Cass City, Mich. Litter-handling mechanism. 1,668,815; May 8.
- Livingston, Fremont P., Denver, Colo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor unloader. 1,690,304; Nov. 6.
- Livingston, Gilbert R., Ocean Park, Calif. Baseball game apparatus. 1,662,317; Mar. 13.
- Livingston, Julian M., Chicago, Ill. Conveyer equipment. 1,669,060; May 8.
- Livingston, Louis L., et al. (See Martin, Robert E., assignor.)
- Livingston, Stanley D., Freeport, assignor to Eisemann Magneto Corporation, New York, N. Y. Impulse starter for magnetos. 1,655,965; Jan. 10.
- Livingston, Stanley D., Freeport, assignor to Eisemann Magneto Corporation, Brooklyn, N. Y. Transformer for radiocircuits. 1,656,209; Jan. 17.
- Ljunglof, George L. (See Baker, N. M., and Ljunglof.)
- Ljunglof, George L., assignor to American Optical Company, Southbridge, Mass. Workholder. 1,685,167; Sept. 25.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Angturbin, Lidings-Brevik, Sweden. Turbine aggregate. 1,686,218; Oct. 2.
- Llanelly Foundry & Engineering Company Limited et al. (See Corbin, Francis D., assignor.)
- Llauradó, Bartolomé, Santiago, Cuba. Electric lamp. 1,688,549; Oct. 23.
- Llewellyn, Frederick T., Montclair, N. J. Structural section. 1,657,628; Jan. 31.
- Lloyd, Alfred, London, England, assignor to M. F. Pratt, Rochester, N. Y. Electrical hair or massage brush. 1,664,457; Apr. 3.
- Lloyd, Arthur J., Oak Park, assignor to W. G. Lloyd Company, Chicago, Ill. Loose-leaf binder. 1,673,411; June 12.
- Lloyd, Burt E., Woodcliff, N. J. Toy. 1,667,353; Apr. 24.
- Lloyd, Burt E., Montclair, N. J. Sounding figure toy. 1,691,443; Nov. 13.
- Lloyd, E. E., Paper Co. (See Gailer, Louis, assignor.)
- Lloyd, Harold M., Los Angeles, Calif. Ready-built lamp post. 1,693,760; Dec. 4.
- Lloyd, John, Paterson, assignor of forty per cent to P. S. McLean, Bloomfield, N. J. Envelope fastening. 1,677,867; July 17.
- Lloyd, John U., Cincinnati, Ohio. Medicine dropper or syringe. 1,662,682; Mar. 13.
- Lloyd, Lewis C., Wilmington, Calif. Protractor. 1,690,645; Nov. 6.
- Lloyd, Marshall B., Menominee, Mich. Machine for producing wooden articles. 1,659,574; Feb. 21.
- Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Thrown-shuttle weaving machine. 1,672,268; June 5.
- Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Thrown pinch shuttle. 1,672,269; June 5.
- Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed-weaving machine. 1,678,011; July 24.
- Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed-weaving machine. 1,678,012; July 24.
- Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Machine for weaving reed fabric. 1,689,531; Oct. 30.
- Lloyd, Richard B., Aneroid, Saskatchewan, Canada. Snap hook. 1,677,592; July 17.
- Lloyd, Thomas. (See Dean, Horace, assignor.)
- Lloyd, W. G., Company. (See Lloyd, Arthur J., assignor.)
- Lloyd, William. (See Hall, C. H., and Lloyd.)
- Loadometer Company, The. (See Troll, Frederick J., assignor.)
- Loafoa, Samuel, Oakland, Calif. Air-tight heater. 1,692,180; Nov. 20.
- Lobdell-Emery Manufacturing Company. (See Kenrick, Charles H., assignor.)
- Lober, George H., Toledo, Ohio, assignor to The Beck-Frost Corporation, Detroit, Mich. Windshield-wiper-operating mechanism. 1,679,674; Aug. 7.
- Loberg, Andrew, Albert Lea, Minn. Reflector. 1,681,298; Aug. 21.
- Lobit, Jean M., Brooklyn, N. Y. Mold for line-casing machines. 1,671,116; May 29.
- Lobit, Jean M., Brooklyn, N. Y. Slug-trimming knife for line-casting machines. 1,674,651; June 26.
- Lobner, Charles, New York, N. Y. Tie case or container. 1,677,146; July 17.
- Lochen, Frank J., Chicago, Ill., assignor to Ideal Oil Saver Company. Baffle plate for boiler flues. 1,691,979; Nov. 20.
- Lochhead, Andrew, Oakland, Calif. Door securer. 1,672,166; June 5.
- Lochhead, Andrew, Oakland, Calif. Nail-holding attachment for hammers. 1,695,339; Dec. 18.
- Lochok, Andrew, Los Angeles, Calif. Cover. 1,679,775; Aug. 7.
- Lochrie, Thomas, et al. (See Adams, Ervin, assignor.)
- Lock, John A., Buffalo, N. Y. Chimney flashing. 1,680,298; Aug. 14.
- Lock, John B., Lowell, Mass., assignor to U S Bobbin & Shuttle Company, Providence, R. I. Traffic indicator. 1,671,831; May 29.
- Lock, Michael, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Radio signaling system. 1,665,632; Apr. 10.
- Lock, Michael, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Wireless telegraphy and telephony. 1,674,784; June 26.
- Lockard, Earl K., Santa Barbara, Calif. Lamp post. Des. 76,196; Aug. 28.
- Lockard, Obe, assignor of one-half to M. Crawford, Commodore, Pa. Rail joint. 1,679,162; July 31.

- Locke, Albert R., Chicago, Ill. Electric switch and system. 1,661,434; Mar. 6.
- Locke, Albert V., Belmont, Mass. Vehicle alarm. 1,684,591; Sept. 18.
- Locke, Clara H., Plainfield, N. J. Eyelash curler. 1,692,341; Nov. 20.
- Locke, Edwin A., jr., Arlington, Mass., assignor to The Nevius Church Press, New York, N. Y. Display stand. 1,692,748; Nov. 20.
- Locke, Emery A. (See Berzquist, Charles H., assignor.)
- Locke, George A., Glen Cove, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,670,461; May 22.
- Locke, George A., Glen Cove, and H. H. Haglund, assignors to Bell Telephone Laboratories, Incorporated, and The Western Union Telegraph Company, New York, N. Y. Signaling system. 1,681,489; Aug. 21.
- Locke Insulator Corporation. (See Christensen, Oscar, assignor.)
- Locke Insulator Corporation. (See Goddard, Walter T., assignor.)
- Locke Insulator Corporation. (See Gouverneur, Minor F. H., assignor.)
- Locke Insulator Corporation. (See Gouverneur, M. F. H. and F. H., assignors.)
- Locke Insulator Corporation. (See Hawley, Kent A., assignor.)
- Locke Insulator Corporation et al. (See Plimpton, Bentley A., assignor.)
- Locke Insulator Corporation. (See Robertson, John C., assignor.)
- Locke, Sylvanus D., Bridgeport, Conn. Ash tray and receiver and support therefor. 1,673,083; June 12.
- Locke, William S., assignor of one-half to Portland Realty and Trust Co., Portland, Oreg. Liquid-supply tank. 1,688,279; Oct. 16.
- Locker, John B., St. Louis, Mo. Antislip device. 1,679,314; July 31.
- Lockerie and Wilkinson, Birmingham Limited. (See Vardell, Sydney H., assignor.)
- Lockett, A. M., & Company. (See Nelson, Bernard S., assignor.)
- Lockett, Fred, Vancouver, British Columbia, Canada. Cattle guard. 1,694,128; Dec. 4.
- Lockett, Ralph G., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,686,753; Oct. 9.
- Lockhart, James, assignor to The Coe Manufacturing Company, Painesville, Ohio. Conveyor. 1,671,534; May 29.
- Lockhart, James, assignor to The Coe Manufacturing Company, Painesville, Ohio. Conveyor. 1,695,115; Dec. 11.
- Lockit Cap Company. (See Eller, Lou C., assignor.)
- Lockrow, Laurice L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,675,567; July 3.
- Lockrow, Laurice L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical measuring apparatus. 1,688,932; Oct. 23.
- Lockstein, Rudolph, Gillett, Wis. Automobile timer. 1,670,534; May 22.
- Lock-Stub Check Company. (See Rider, Granville S., assignor.)
- Lockwood, Alvin M., et al. (See Malone, Adolph W., assignor.)
- Lockwood Ash Motor Co. (See Irgens, Finn T., assignor.)
- Lockwood, Dorothy, Merton Park, and A. J. Searle, London, England. Line-stretching apparatus. 1,691,397; Nov. 13.
- Lockwood, George D. (See Soderberg, J. G., Lockwood, and Robertson.)
- Lockwood, Louis S., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. 1,654,592; Jan. 3.
- Lockwood, Louis S., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Tracker mechanism for musical instruments. 1,669,391; May 8.
- Lockwood, Mary A., Margaretville, N. Y. Windshield for automobiles. 1,679,252; July 31.
- Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
- Locomotive Firebox Company. (See Hawley, Charles G., assignor.)
- Locomotive Firebox Company. (See Nicholson, John L., assignor.)
- Locomotive Lubricator Company. (See Schlacks, William J., assignor.)
- Locomotive Pulverized Fuel Company. (See Caracristi, Virgilus Z., assignor.)
- Locomotive Stoker Company. (See Crawford, David F., assignor.)
- Locomotive Stoker Company. (See Lower, Nathan M., assignor.)
- Locomotive Stoker Company. (See Lower, N. M., and Ketchpel, assignors.)
- Locomotive Stoker Company. (See Lower, N. M., and Turner, assignors.)
- Locomotive Stoker Company. (See Turner, E. A., and Chalk, assignors.)
- Locomotive Terminal Improvement Company, The. (See Graham, Leslie B., assignor.)
- Locomotive Terminal Improvement Company, The. (See Otis, Spencer, assignor.)
- Lo Conte, Salvatore, Cleveland, Ohio. Radiator-cap ornament. Des. 74,182; Jan. 3.
- Lodding, Frederick W., assignor to Rice, Barton & Fales, Inc., Worcester, Mass. Controlling means for calendar doctors. 1,675,363; July 3.
- Lodewick, Sally M., New York, N. Y. Lady's pocketbook. Des. 77,011; Nov. 27.
- Lodge & Shipley Machine Tool Company, The. (See Cockburn, Francis B., assignor.)
- Loeb, Albert, Richmond Hill, N. Y. Tow bar. 1,654,939; Jan. 3.
- Loeck, Günther, assignor to the firm: Georg Wolf G. m. b. H., Berlin, Germany. Optical tube for cystoscopes, gastroscopes, and the like. 1,667,630; Apr. 24.
- Loeck, Günther, assignor to the firm George Wolf G. m. b. H., Berlin, Germany. Optical apparatus for examining cavities and tubes in the body. 1,675,364; July 3.
- Loederer, Richard A., New York, N. Y. Moving-picture book. 1,665,747; Apr. 10.
- Loeffler, William, Sheboygan, Wis. Automatic sanding machine. 1,675,183; June 26.
- Loening, Grover, New York, N. Y. Construction for airplane floats. 1,684,187; Sept. 11.
- Loepfe, Charles M. (See Loepfe, Louis H. and C. M.)
- Loepfe, Charles M., assignor to Cottonwood Fiber Company, St. Louis, Mo. Oil burner. 1,655,232; Jan. 3.
- Loepfe, Louis H. and C. M., assignors to Cottonwood Fiber Company, St. Louis, Mo. Oil burner. 1,660,796; Feb. 28.
- Loepsinger, Albert J., assignor, by mesne assignments, to General Fire Extinguisher Company, Providence, R. I. Heat-responsive apparatus. 1,667,425; Apr. 24.
- Loepsinger, Albert J., Providence, R. I., assignor to General Fire Extinguisher Company. Fire-extinguisher sprinkler system. 1,675,184; June 26.
- Loescher, Frederick E., assignor of one-third to C. J. Lappley, Harrisburg, and one-third to R. C. Bobb, Carlisle, Pa. Casement-window screen. 1,659,955; Feb. 21.
- Loesel, Nicholas, Richmond Hill, assignor to American Can Company, New York, N. Y. Sifter-top-closing device. 1,676,615; July 10.
- Loeser, David. (See Konwiser, A. L., and Loeser.)
- Loetscher, Emil C., Dubuque, Iowa. Lumber-returning device for ripaws. 1,661,767; Mar. 6.
- Loetscher, Emil C., Dubuque, Iowa. Wood door construction. 1,662,151; Mar. 13.
- Loetscher, Emil C., Dubuque, Iowa. Power clamp. 1,684,548; Sept. 18.
- Loewe, Siegmund, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Method of and apparatus for telephony. 1,664,220; Mar. 27.
- Loewe, Siegmund, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge tube. 1,668,724; May 8.
- Loewe, Siegmund, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube circuits. 1,686,018; Oct. 2.
- Loewe, Siegmund, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Operate electrostatic telephones. 1,676,452; July 10.
- Loewe, Siegmund, Berlin-Friedenau, Germany, assignor to Radio Corporation of America. Station scale. 1,685,426; Sept. 25.
- Loewe, Siegmund, Berlin, Friedenau, Germany, assignor to Radio Corporation of America. Radio receiving circuit. 1,686,621; Oct. 9.
- Loewenbach, Erwin B., Milwaukee, Wis. Stitch-down shoe. 1,690,737; Nov. 6.
- Loewenbach, Hugo, Milwaukee, Wis. Mask. Des. 77,246; Dec. 18.
- Loewenbach, Oscar, Milwaukee, Wis. Loose-leaf binder. 1,693,242; Nov. 27.
- Loewy, Aaron E., Philadelphia, Pa., assignor to Liberman Manufacturing Company. Controller actuation. 1,686,754; Oct. 9.
- Löffler, Stephan, Berlin-Charlottenburg, Germany. Fluid-level indicator for high-pressure vessels or containers. 1,658,449; Feb. 7.
- Löffler, Stephan, Berlin-Charlottenburg, Germany. Fluid-level indicator and leading-in arrangement for electrodes in hot high-pressure rooms. 1,683,362; Sept. 4.
- Lofgren, John, assignor to Ralco Manufacturing Company, Chicago, Ill. Electric switch. R-17,009; June 26.
- Lofgren, John, assignor to Ralco Manufacturing Company, Chicago, Ill. Electric switch. 1,675,185; June 26.
- Lofland, Emil M., Chicago, Ill. Manufacture of ferrous hydroxide. 1,689,951; Oct. 30.
- Lofman, Charles, assignor to Roberti Bros., Los Angeles, Calif. Portable folding bed. 1,665,668; Apr. 10.
- Lofman, Charles, Los Angeles, Calif., assignor to Roberti Bros. Closet or recess bed. 1,693,090; Nov. 27.
- Löfström, Johannes and O., Östersund, assignors of one-half to A. Eriksson, Boda, Lit., Sweden. Motor sleigh. 1,682,622; Aug. 28.
- Löfström, Olof. (See Löfström, Johannes, and O.)
- Loflin, Edward H., trustee. (See Loflin, Edward H., assignor.)
- Loflin, Edward H., trustee. (See Loflin, E. H., and Grimes, assignors.)
- Loflin, Edward H., New York, assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train-control system. 1,660,133; Feb. 21.

- Loftin, Edward H., New York, assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train-control system for railroads. 1,678,617; July 24.
- Loftin, Edward H., New York, N. Y., assignor to E. H. Loftin, trustee. Method of and apparatus for operating electrical amplifiers. 1,686,755; Oct. 9.
- Loftin, Edward H., Washington, D. C., assignor to E. H. Loftin, trustee. Amplifier of electrical currents. 1,683,083; Sept. 4.
- Loftin, Edward H., and W. F. Grimes, Washington, D. C., assignors to E. H. Loftin, trustee. Amplifier of high-frequency electrical currents. 1,675,186; June 26.
- Loftus, Fred H., Pittsburgh, Pa. Furnace-roof construction. 1,686,386; Oct. 2.
- Loftus, Fred H., Pittsburgh, Pa. Roof and wall construction for open-hearth furnaces. 1,686,387; Oct. 2.
- Loftus, Fred H., Pittsburgh, Pa. Checkerwork for open-hearth and blast furnaces. 1,686,826; Oct. 9.
- Lofy, Cecilia, et al., executrices. (See Lofy, Peter.)
- Lofy, Magdalena, et al., executrices. (See Lofy, Peter.)
- Lofy, Peter, deceased, by C. and M. Lofy, executrices, Springfield, Ill. Railway-track sander. 1,681,419; Aug. 21.
- Logan, Byron E. (See Skaggs, C. E., and Logan.)
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall-bracket electric fixture. Des. 75,267; May 22.
- Logan, Charles W., Kenmore, N. Y. Chandelier. Des. 77,012; Nov. 27.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall-bracket electric fixture. Des. 75,268; May 22.
- Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall-bracket electric fixture. Des. 75,269; May 22.
- Logan, George A., New York, N. Y. Combination tool. 1,667,462; Apr. 24.
- Logan, Henry H., Chicago, Ill. Shock absorber. 1,687,620; Oct. 16.
- Logan, Henry H., Chicago, Ill. Automatic brake operator for incline hoists. 1,687,621; Oct. 16.
- Logan, Henry H., Chicago, Ill. Shock absorber. 1,693,340; Nov. 27.
- Logan, J. A. (See Humason, G. A., and Childs, assignors.)
- Logan, James W., Chicago, Ill., assignor to The Vulcan Oil Burner Corporation, New York, N. Y. Oil-burning apparatus. 1,667,042; Apr. 24.
- Logan, Lee E., Milwaukee, Wis. Car seal. 1,660,797; Feb. 28.
- Logan, Tom P., Columbus, Ohio. Battery terminal. 1,663,013; Mar. 20.
- Logan, William H. (See Parker, Charles A., assignor.)
- Logg, Wendell, Los Angeles, Calif. Tool support. 1,662,152; Mar. 13.
- Logg, Wendell, Los Angeles, Calif., assignor to Independent Lock Company, Fitchburg, Mass. Keyhole lock. 1,692,671; Nov. 20.
- Logsdon, Sanford A. (See Craig, M. A., Steen, and Logsdon.)
- Logue, Paul. (See Booth, C. F., Gerber, and Logue.)
- Logue, Charles H., Syracuse, N. Y., assignor to The Gear Grinding Machine Company, Detroit, Mich. Apparatus for testing bevel-gear teeth. 1,663,085; Mar. 20.
- Logue, Charles H., Syracuse, N. Y. Gear-lapping machine. 1,684,872; Sept. 18.
- Logwood, Charles V. (See de Forest, L., and Logwood.)
- Logwood, Charles V., assignor to De Forest Radio Telephone & Telegraph Company, New York, N. Y. Electrical signal system. 1,688,820; Oct. 23.
- Loiseau, Louis M. J. (See Verdun, C., and Loiseau.)
- Loiselle, Guy L., Evanston, Ill. Toothbrush. 1,680,558; Aug. 14.
- Lolizillon, Jean J. B., La Caubie, France. Application of cold to the manufacture of flour. 1,687,300; Oct. 9.
- Loken, Gilbert, Seattle, Wash. Shake-sawing machine. 1,673,084; June 12.
- Lokey, Allen T., Memphis, Tex. Cotton-boll-cleaning machine. 1,658,409; Feb. 7.
- Lokey, Stiles O., Birmingham, Ala. Ammonia condenser. 1,669,943; May 15.
- Lollis, Benjamin F., Berwyn, assignor of one-half to O. S. Flath, Chicago, Ill. Focusing device. 1,679,577; Aug. 7.
- Lollis, Benjamin F., Berwyn, assignor of one-half to O. S. Flath, Chicago, Ill. Switch and signal rod or pipe carrier support. 1,681,617; Aug. 21.
- Loman, Arthur J., assignor of one-half to W. Brown, Uncasville, Conn. Controlling device for pulp-refining engines. 1,686,217; Oct. 2.
- Lomax, Albert H. (See Turner, V., and Lomax.)
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,658,450; Feb. 7.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,665,708; Apr. 10.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,673,367; June 12.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,674,652; June 26.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Company, Chicago, Ill. Telephone system. 1,675,502; July 3.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic battery-charging system. 1,677,644; July 17.
- Lomax, Clarence E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,681,703; Aug. 21.
- Lomax, Clarence E., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,685,547; Sept. 25.
- Lomax, Clarence E., Oak Park, and N. H. Saunders, Homewood, Ill., assignors to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,688,588; Oct. 23.
- Lomax, Ernest L. (See Lucas, O. D., and Lomax.)
- Lomax, Frank B., Chicago, Ill. Making sirups. 1,681,490; Aug. 21.
- Lombard Carburetor Company. (See Lombard, Nathaniel, assignor.)
- Lombard, Fred, Santa Rosa, Calif. Extension for fly swatters. 1,694,069; Dec. 4.
- Lombard, Nathaniel, assignor to Lombard Carburetor Company, Worcester, Mass. Carburetor. 1,693,792; Dec. 4.
- Lombard, Nathaniel, assignor to Lombard Carburetor Company, Worcester, Mass. Carburetor. 1,693,793; Dec. 4.
- Lombardi, Giovanni, Derby, Conn. Variable condenser. 1,662,505; Mar. 13.
- Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,687,132; Oct. 9.
- Lombardi, Vincent, Brooklyn, N. Y. Pattern mechanism for knitting machines. 1,689,592; Oct. 30.
- Lommen, Fred W., Pittsburgh, Pa., assignor to Carbide & Carbon Chemicals Corporation. Making olefine alcohol. 1,688,083; Oct. 16.
- Lonas, Frank E., New York, N. Y. Lubricating system for internal-combustion engines. 1,686,824; Oct. 9.
- Londagin, Frederick G., Seattle, Wash. Purifying device. 1,681,002; Aug. 14.
- Lonet, Thomas, Oakland, Calif. Automobile signal-light casing. Des. 75,633; June 26.
- Loug, Albert E. (See Crook, C. M., and Long.)
- Long, Albert E., assignor to Stromberg Electric Company, Chicago, Ill. Corrective device for secondary clock mechanism. 1,679,534; Aug. 7.
- Long, Allen T., assignor to Atkinson & Long Mfg. Co., Petersburg, Va. Trunk lock. 1,655,378; Jan. 3.
- Long, Arthur D., El Paso, Tex. Tire-carrying rim support. 1,681,864; Aug. 21.
- Long, Bernard, Paris, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Uniting vitreous pieces. 1,668,853; May 8.
- Long, Bernard, assignor to Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Glass. 1,669,908; May 15.
- Long, Charles A., Jr., Philadelphia, Pa. Advertising and display device. 1,678,475; July 24.
- Long, Charles T., Eureka, Calif. Coffee-making device. 1,683,786; Sept. 11.
- Long, Clarence P., assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass. Oil can. 1,671,771; May 29.
- Long, Clyde R., Smethport, Pa. Golf-ball marker. 1,684,038; Sept. 11.
- Long, Edward A., New Castle, Pa. Attachment for concrete-block machines. 1,688,627; Oct. 23.
- Long, Eli M., assignor, by mesne assignments, to The Standard Optical Company, Geneva, N. Y. Lens-edging machine. 1,657,720; Jan. 31.
- Long, Eli M., assignor, by mesne assignments, to Shur-On Standard Optical Company, Inc., Geneva, N. Y. Lens-cutting machine. 1,676,566; July 10.
- Long, Emery H., Muncie, Ind. Chair. Des. 75,270; May 22.
- Long, Everett N., Jr., Avalon, Calif. Tire-changing tool. 1,658,451; Feb. 7.
- Long, George M., Boston, Mass., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 77,163; Dec. 11.
- Long, George M., Boston, Mass., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 77,164; Dec. 11.
- Long, George R. (See Cordley, H. G., and Long.)
- Long, George W. H., Indianapolis, Ind. Dirigible mounting and control mechanism therefor. 1,694,477; Dec. 11.
- Long, Harry B., Paterson, N. J. Schedule-checking apparatus. 1,690,738; Nov. 6.
- Long, Harry E. (See Kurtz, Charles F., assignor.)
- Long, Helene L., Spokane, Wash. Combined smoker's outfit and receptacle for game accessories. Des. 77,107; Dec. 4.
- Long, Herbert J. (See Schneider, F. D., and Long.)
- Long, John E., Multnomah, Ore. Portable electric control apparatus. 1,668,161; May 1.
- Long, John E., Multnomah, Ore. Electric sign. 1,681,491; Aug. 21.
- Long, Leland E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,659,368; Feb. 14.
- Long Manufacturing Company. (See Hawkins, Raymond L., assignor.)
- Long Manufacturing Company. (See Higgins, Harry A., assignor.)

- Long Manufacturing Company. (See Swank, Arthur L., assignor.)
- Long, Maurice B. (See Ives, H. E., and Long.)
- Long, Maurice B., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Indicating frequency changes. 1,663,086; Mar. 20.
- Long, Melvin J., assignor of one-half to T. H. Cooper, Brea, Calif. Shock-absorbing bumper. 1,691,898; Nov. 13.
- Long, Ralph A., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Commercial blasting explosive. 1,689,674; Oct. 30.
- Long, Raymond V., assignor to Richmond Equipment Supplies, Incorporated, Richmond, Va. Ventilation system. 1,654,981; Jan. 3.
- Long, Timothy F., Portland, Oreg., assignor to Home Utilities Corporation, Des Moines, Iowa. Drier. 1,659,532; Feb. 14.
- Long, W. E. Co., The. (See Long, William E., assignor.)
- Long, Wilber L., assignor of one-fourth to W. F. Blake, one-fourth to W. T. Minor, one-eighth to W. E. Davis, and one-eighth to J. M. Wattenbarger, Kirksville, Mo. Air heater. 1,694,351; Dec. 4.
- Long, William B., and N. E. Hanson, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 1,655,066; Jan. 3.
- Long, William B., Chicago, and L. Sliwa, Cicero, assignors to Union Special Machine Company, Chicago, Ill. Feeding mechanism for stocking-seaming machines. 1,692,130; Nov. 20.
- Long, William E., assignor to The W. E. Long Co., Chicago, Ill. Label blank. Des. 76,621; Oct. 16.
- Longcor, William H., assignor of one-half to O. Nialson, Dinuba, Calif. Fruit-gatherer's knife. 1,678,570; July 24.
- Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Diaphragm pump. 1,665,709; Apr. 10.
- Longfellow, Anna C., Larchmont, N. Y. Removable button. 1,655,555; Jan. 10.
- Longfield, Archibald N. and B. I., St. Paul, Minn. Ventilating device. 1,668,854; May 8.
- Longfield, Bertha I. (See Longfield, Archibald N. and B. I.)
- Longino, Hugh A., Ringling, Okla. Corn popper. 1,679,431; Aug. 7.
- Longley, Frank E., Lynn, Mass. Valve-resurfacing machine. 1,687,374; Oct. 9.
- Longstreth, Alfred E. and P. M., Collingswood, N. J. Molding candy. 1,656,590; Jan. 17.
- Longstreth, Charles B., Denver, Colo. Refrigerator. 1,686,568; Oct. 9.
- Longstreth, Paul M. (See Longstreth, Alfred E. and P. M.)
- Longtin, John S., et al. (See Biette, Henry C., assignor.)
- Longvall, Raymond C., assignor to Warp Compressing Machine Company, Worcester, Mass. Arrangement of spindles for creels. 1,676,864; July 10.
- Longyear, E. J., Manufacturing Company. (See Anderson, Olof B., assignor.)
- Lonsdale, William, Roselle Park, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Heat exchanger. 1,672,650; June 5.
- Lonsinger, Charles L., Walhonding, Ohio. Walking beam. 1,691,770; Nov. 13.
- Lonsway, Herve A., Berwick, Ohio. Shears for cutting jar rings and similar circular washers. 1,691,980; Nov. 20.
- Loockerman, Nathan R., Hampton, Va., assignor of one-half to R. L. Loockerman, Jackson Heights, N. Y. Cushion bed. 1,657,804; Jan. 31.
- Loockerman, Robert L. (See Loockerman, Nathan R., assignor.)
- Look, Frank L., Lamanda Park, Calif. Beverage cooler. Des. 75,740; July 10.
- Lookabaugh, Harry C., Jacksonville, Fla. Safety guard for dangerous highways. 1,677,038; July 10.
- Loomis, Alfred L., Tuxedo Park, assignor to R. W. Byerly, New York, N. Y. Fire extinguisher, container for fire-extinguishing liquids and other fluids, and making the same. 1,663,665; Mar. 27.
- Loomis, Allen, Elkhart, Ind. Wood-wind instrument. 1,662,195; Mar. 13.
- Loomis, Allen, Elkhart, Ind. Octave-key mechanism for wood-wind instruments. 1,662,196; Mar. 13.
- Loomis, Allen, Elkhart, Ind. Triple automatic octave mechanism for wood-wind instruments. 1,670,774; May 22.
- Loomis, Allen, Elkhart, Ind. Compound key mechanism for wood-wind instruments. 1,670,775; May 22.
- Loomis, Allen, Elkhart, Ind. Octave key mechanism for wood-wind instruments. 1,677,563; July 17.
- Loomis, Chauncey C., Yonkers, assignor, by mesne assignments, to Latex Products, Inc., New York. Floating. 1,682,530; Aug. 28.
- Loomis, Chauncey C., Yonkers, and G. E. Perry, Brooklyn, N. Y., assignors, by mesne assignments, to United States Rubber Company. Use of latex for forming fabric seams. 1,673,573; June 12.
- Loomis, Crawford C. (See Brennan, J. E., and Loomis.)
- Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearms. 1,682,704; Aug. 28.
- Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearm. 1,686,332; Oct. 2.
- Loomis, Evarts G., Newark, N. J. Vacuum mixing machine. 1,673,085; June 12.
- Loomis, Evarts G., Newark, N. J. Method and apparatus for purifying camphor and similar volatile substances. 1,693,243; Nov. 27.
- Loomis, Howard W. (See Barrier, William C., assignor.)
- Loomis, Nathaniel E. (See Howard, F. A., and Loomis.)
- Loomis, Nathaniel E., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing hydrocarbon products. 1,694,272; Dec. 4.
- Loomis, Virgil V., assignor to United States Glass Company, Pittsburgh, Pa. Goblet. Des. 74,685; Mar. 13.
- Lomis, Virgil V., assignor to United Glass Company, Pittsburgh, Pa. Goblet. Des. 75,271; May 22.
- Loomis, Virgil V., assignor to United States Glass Company, Pittsburgh, Pa. Goblet. Des. 75,439; June 5.
- Loomis, Virgil V., assignor to United States Glass Company, Pittsburgh, Pa. Lemon reamer. 1,674,475; June 19.
- Looney, Walter C., Danville, Ky. Space band. 1,657,629; Jan. 31.
- Loopo, Jacob, New York, N. Y. Lace. 1,673,629; June 12.
- Looser, Joseph. (See Marwedel, J. E., and Looser.)
- Loosley, Henry R., East St. Louis, Ill. Beverage dispensing and cooling box. 1,692,672; Nov. 20.
- Looshi, Albert. (See Mackey, Gaylord G., assignor.)
- Loper, Gilbert H. (See Kattell, Majorie J. and S. M., assignors.)
- Lopez, Francisco. (See Nieto, Manuel, assignor.)
- Lopez, Nicolas A., Glencoe, Ill. Controlling device. 1,668,413; May 1.
- Loposer, Napoleon H., Gulfport, Miss. Liquid-dispensing device. 1,685,880; Oct. 2.
- Loranger, Hubert R., Highland Park, Mich. Detachable cover for ice-tray compartments in refrigerating apparatus. 1,679,615; Aug. 7.
- Loranger, Hubert R., Hillsdale, Mich., and D. D. Parshall, Albany, N. Y. Thermostat. 1,673,255; June 12.
- Loranger, Ubald R. (See Thayer, Allan C., assignor.)
- Lorant, Hugo, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Metal tube and bar press. 1,676,401; July 10.
- Lorber, Charles, Louisville, Ky. Inclosed transparent window. 1,679,578; Aug. 7.
- Lorber, Charles, Louisville, Ky. Combined bill fold, card-case, and key case. 1,686,756; Oct. 9.
- Lorch, Henry, Milwaukee, Wis. Antiskid device. 1,660,798; Feb. 28.
- Lorcak, Viktor, Jersey City, N. J. Expressing machine. 1,670,894; May 22.
- Lord & Burnham Company. (See Hart, Stephen H., assignor.)
- Lord & Burnham Company. (See Terhune, Edwin W., assignor.)
- Lord, Charles A., Los Angeles, Calif. Apparatus for sinking oil wells. 1,666,461; Apr. 17.
- Lord, Charles R., et al. (See Christie, Walter, assignor.)
- Lord, Chester R., Mineral City, Ohio. Ice-cream cone receptacle. 1,674,209; June 19.
- Lord, Edwin C. E., Washington, D. C. Waterproofing compound and making the same. 1,693,718; Dec. 4.
- Lord, Erskine D., Cambridge, assignor to McLaurin-Jones Co., Brookfield, Mass. Meltable adhesive. 1,684,873; Sept. 18.
- Lord, Fred W., assignor The Oaks Manufacturing Company, Tipton, Ind. Poultry feeder. 1,656,122; Jan. 10.
- Lord, Fred W., assignor to The Oaks Manufacturing Company, Tipton, Ind. Storage brooder. 1,665,102; Apr. 3.
- Lord, Fred W., assignor to The Oaks Manufacturing Company, Tipton, Ind. Furnace brooder. 1,676,194; July 3.
- Lord, Herbert Coventry, England. Gaiter for use on suspension springs. 1,683,363; Sept. 4.
- Lord, Hugh C., Erie, Pa. Universal joint. 1,695,116; Dec. 11.
- Lord, James H., Methuen, Mass. Incubating apparatus. 1,675,895; July 3.
- Lord, Selden. (See Kroeger, Edwin J., assignor.)
- Lord, Thomas S., Dunedin, Fla. Water-closet accessory. 1,674,116; June 19.
- Lorentz, John, Bergen, Norway. Belt fastener. 1,659,883; Feb. 21.
- Lorentz, William, assignor to Chicago Rhopac Products Company, Chicago, Ill. Packing-forming apparatus. 1,660,514; Feb. 28.
- Lorentzen, Hans K., New York, N. Y. Coin box. 1,685,219; Sept. 25.
- Lorentzen, Hans K., New York, N. Y. Coin-controlled vending machine. 1,686,978; Oct. 9.
- Lorenz, C., Aktiengesellschaft. (See Bock, Walther, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Gerth, Felix, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter, assignor.)
- Lorenz, C., Aktiengesellschaft. (See Pungs, L., and Herzog, assignors.)
- Lorenz, C., Aktiengesellschaft. (See Schmidt, Karl, assignor.)
- Lorenz, Charles F., East Orange, N. J., assignor to Westinghouse Lamp Company. Arc incandescent lamp. 1,655,966; Jan. 10.
- Lorenz, Edward H. (See Peiler, K. E., and Lorenz.)

- Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for handling glassware. 1,657,680; Jan. 31.
- Lorenz, Frank and J. S., Chicago, Ill. Game. 1,657,511; Jan. 31.
- Lorenz, John M., Los Angeles, Calif. Glare shield. 1,664,124; Mar. 27.
- Lorenz, Joseph S. (See Lorenz, Frank and J. S.)
- Lorenz, Phoebe B., executrix. (See Lorenz, William A.)
- Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper-crinkling machine. 1,654,656; Jan. 3.
- Lorenz, William A., West Hartford, assignor to The Otaka Fabric Company, Hartford, Conn. Machine for making elastic paper. 1,667,292; Apr. 24.
- Lorenz, William A., Hartford, Conn., assignor, by mesne assignments, to B. Arkell, New York, N. Y. Barrel lining. 1,674,974; June 26.
- Lorenz, William A., assignor to The Otaka Fabric Company, West Hartford, Conn. Paper-making machine. 1,676,655; July 10.
- Lorenz, William A., West Hartford, assignor to The Otaka Fabric Company, Hartford, Conn. Paper-crinkling apparatus. 1,680,797; Aug. 14.
- Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper fabric. 1,682,346; Aug. 28.
- Lorenz, William A., West Hartford, assignor to The Otaka Fabric Company, Hartford, Conn. Machine and drying crinkled paper. 1,685,427; Sept. 25.
- Lorenz, William A., assignor to The Otaka Fabric Company, West Hartford, Conn. Paper-crinkling machine. 1,686,388; Oct. 2.
- Lorenz, William A., assignor to The Otaka Fabric Company, West Hartford, Conn. Machine for making elastic paper. 1,689,037; Oct. 23.
- Lorenz, William A., deceased, West Hartford, Conn.; P. B. Lorenz, executrix. Machine for making elastic paper. 1,690,172; Nov. 6.
- Lorenz, Luigi, and A. Colombo, San Francisco, Calif. Sole construction for rubber boots. 1,684,676; Sept. 18.
- Lorenz-Zeiss-Zugsicherungs-G. m. b. H. (See Bäseler, Wolfgang, assignor.)
- Loring, Joseph B. (See Moore, W. D., Loring, and Bowers.)
- Lormor, Henry W., assignor to Willard Storage Battery Company, Cleveland, Ohio. Acid dipper for storage-battery plates. 1,672,327; June 5.
- Lormor, Henry W., assignor to Willard Storage Battery Company, Cleveland, Ohio. Brushing machine. 1,691,399; Nov. 13.
- Lorraine, David G., Los Angeles, Calif. Oil and gas separator. 1,670,728; May 22.
- Lorraine, David G., Los Angeles, Calif. Oil and gas separator. 1,693,849; Dec. 4.
- Lorrman, Frederick R. (See Calcott, W. S., Parmelee, and Lorrman.)
- Lorton, Frank D., St. Louis, Mo., assignor to E. Nathan, trustee. Camp-fire outfit. 1,666,293; Apr. 17.
- Lorusso, William, Waterbury, Conn. Sled. 1,658,490; Feb. 7.
- Los Angeles Chemical Company. (See Wood, Charles D., assignor.)
- Los Angeles Manufacturing Company. (See Himes, William D., assignor.)
- Los Angeles Manufacturing Company. (See Shipley, M. R., and Trout, assignors.)
- Los Angeles Manufacturing Company. (See Trout, Oliver C., assignor.)
- Los Angeles Wall Bed Company. (See Cocks, Edgar, assignor.)
- Lose, James E., Wilkesburg, Pa. Tuyère cooler. 1,675,811; July 3.
- Losee, Joseph S., Hebron, Ill. Automobile heater. 1,670,776; May 22.
- Lösel, Franz, Brunn, Czechoslovakia. Steam-turbine power plant and system. 1,661,296; Mar. 6.
- Lösel, Franz, Brunn, Czechoslovakia. Elastic-fluid multistage disk-wheel turbine. 1,666,625; Apr. 17.
- Lösel, Franz, Brunn, Czechoslovakia. Elastic-fluid turbine. 1,666,626; Apr. 17.
- Lösel, Franz, Brunn, Czechoslovakia. High-pressure-turbine casing or housing. 1,666,627; Apr. 17.
- Lösel, Franz, Brunn, Czechoslovakia. Method and device for determining the expansion line of steam turbines. 1,666,628; Apr. 17.
- Lösel, Franz, Brunn, Czechoslovakia. Steam plant in connection with turbines. 1,674,049; June 19.
- Lösel, Franz, Brunn, Czechoslovakia. Turbine locomotive. 1,680,025; Aug. 7.
- Lösel, Franz, Brunn, Czechoslovakia. Labyrinth gland construction. 1,689,735; Oct. 30.
- Lösel, Franz, Brunn, Czechoslovakia. Multistage disk-wheel turbine. 1,688,933; Oct. 23.
- Losey, Arthur, Bay Shore, N. Y., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Apparatus for casting pipe and other annular articles centrifugally. 1,675,716; July 3.
- Losey, John B., and W. R. Stone, Syracuse, N. Y. Rubber-composition flooring. 1,678,948; July 31.
- Losey, Thornton W., Silver Grove, Ky. Combination tool. 1,682,694; Aug. 28.
- Loshbough, James E., Elkhart, Ind. Tripping mechanism for punch presses. 1,686,622; Oct. 9.
- Losi, Lee F., Newark, assignor of one-fifth to M. Mercolino, one-fifth to P. Fuoco, one-fifth to P. Paris, and one-fifth to G. Lardone, Bayonne, N. J. Brake mechanism. 1,681,354; Aug. 21.
- Lostetter, Edward H., assignor to T. F. Costello, Cincinnati, Ohio. Vehicle washer. 1,680,796; Aug. 14.
- Loth, Julius, Köslin, Germany. Manufacturing artificial limbs and similar devices. 1,693,091; Nov. 27.
- Loth, William A., Paris, France. Electromagnetic underground prospecting. 1,672,328; June 5.
- Loth, William A., assignor to Société Industrielle des Procédés W. A. Loth, Paris, France. System of radiogoniometry. 1,678,737; July 31.
- Lotsch, John L. (See Strindberg, Rickard, assignor.)
- Lotterman, William, L. B. Lester, and M. K. Orton, Grand Rapids, Mich. Automatic woodworking machine. 1,676,738; July 10.
- Lotz, Albert, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Magnetic separator. 1,673,837; June 19.
- Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch-operating mechanism. 1,672,494; June 5.
- Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Rheostat. 1,680,744; Aug. 14.
- Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch-operating mechanism. 1,692,045; Nov. 20.
- Lotz, Henry J., McKenna, Wash. Block-letter holder. 1,668,918; May 8.
- Loucks, Albert H., assignor to Marion Machine Foundry & Supply Co., Marion, Ind. Oiling mechanism for band-wheel power. 1,687,622; Oct. 16.
- Loucks, James F., assignor to Holorib, Inc., Cleveland, Ohio. Clamping device. 1,674,210; June 19.
- Loucks, James F., assignor to Holorib, Inc., Cleveland, Ohio. Clamping device. 1,674,211; June 19.
- Loucks, James F., assignor to Holorib, Inc., Cleveland, Ohio. Clamping device. 1,674,212; June 19.
- Loucks, James F., Cleveland, assignor of one-half to H. Gillett, Gates Mills, Ohio. Clamping device. 1,683,364; Sept. 4.
- Loud, George A., assignor to Loud Slide Valve Engine Co., Fitchburg, Mass. Cam mechanism for actuating valves. 1,666,709; Apr. 17.
- Loud, George A., Brookline, assignor to Loud Slide Valve Engine Co., Fitchburg, Mass. Internal-combustion engine. 1,666,710; Apr. 17.
- Loud Slide Valve Engine Co. (See Loud, George A., assignor.)
- Loud, William C., assignor to Glassmobile Company, Detroit, Mich. Automobile curtain. 1,673,914; June 19.
- Loud, William H. (See Roehrich, Frank N., assignor.)
- Louden Machinery Company, The. (See Hassler, Paul M., assignor.)
- Loudenslager, Henry and W. J., Columbus, Ohio. Street-manhole cover. 1,683,365; Sept. 4.
- Loudenslager, Walter J. (See Loudenslager, Henry and W. J.)
- Loudon, Warren P., Springfield, Mass, assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Lighting and ignition switch. 1,657,129; Jan. 24.
- Loughead, Malcolm, Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Brake shoe and mounting therefor. 1,679,484; Aug. 7.
- Loughead, Malcolm, assignor to Hydraulic Brake Company, Detroit, Mich. Brake shoe. 1,680,911; Aug. 14.
- Loughery, Joseph F., Philadelphia, Pa. Inking mechanism for multiple-color-printing machines. 1,657,542; Jan. 31.
- Loughlin, Raymond P., Brooklyn, N. Y. Drifting valve and control mechanism. 1,661,806; Mar. 6.
- Loughran, Patrick J., Wilkes-Barre, Pa. Mine-car-door shield. 1,659,206; Feb. 14.
- Loughridge, Howard R., Castle Shannon, Pa. Building block. 1,686,757; Oct. 9.
- Loughridge, Matthew H., Bogota, N. J., and J. S. Holliday, deceased, New York, N. Y.; J. M. Holliday, administratrix. Radio apparatus. 1,663,635; Mar. 27.
- Loughrin, James A., West Toronto, Ontario, Canada. Scale for dispensing apparatus. 1,671,432; May 29.
- Lougovoy, Boris N., Montclair, N. J., assignor to Chadeloid Chemical Company. Paint and varnish remover containing an alkali-metal benzoate as a thickening agent. 1,691,771; Nov. 13.
- Louis Allis Company, The. (See Barr, John M., assignor.)
- Louis, Charles J., St. Louis, Mo., assignor of two-thirds to N. T. Erlinger, East St. Louis, Ill. Attachment for reshaping tubular members. 1,693,850; Dec. 4.
- Louis, Terrence G., Springfield, assignor to Wico Electric Company, West Springfield, Mass. Magneto. 1,674,050; June 19.
- Louisot, Felix, Hasbrouck Heights, N. J. Pulp mold of laminate structure. 1,689,555; Oct. 30.
- Louisville Drying Machinery Co. Inc. (See Credo, Julius, assignor.)
- Louisville Drying Machinery Co. (See Lissauer, Adolph W., assignor.)
- Louisville Drying Machinery Co. Inc. (See Vermilye, Sherwood, assignor.)

- Lounsbury, Harvey J., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake for railway cars. 1,660,452; Feb. 28.
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Release spring arrangement for foundation brake rigging. 1,674,831; June 26.
- Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,692,273; Nov. 20.
- Lourens, Cornelius, assignor to General Norit Company, Limited, Amsterdam, Netherlands. Gas-treating process. 1,667,426; Apr. 24.
- Louth, Herbert, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Safety device for laundry machines. 1,656,007; Jan. 10.
- Louth, Maurice E. (See Young, A. W., and Louth.)
- Loutrel, Cyrus H., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Compression spring washer. 1,655,018; Jan. 3.
- Loutrel, Cyrus H., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Compression spring washer. 1,691,444; Nov. 13.
- Louzon, Duffey B. (See Shilling, C. S., and Louzon.)
- Love, Edgar P., St. Louis, Mo. Garment protector and seat pad. 1,659,405; Feb. 14.
- Love, Francis B., and B. H. Smith, assignors to The Autocall Company, Shelby, Ohio. Case for fire-alarm signaling mechanism and the like. 1,661,258; Mar. 6.
- Love, James L., Los Angeles, Calif. Automatic garage-door opener. 1,660,621; Feb. 28.
- Love, John H., Pawhuska, and K. C. Love, Muskogee, Okla. Bottle. Des. 76,350; Sept. 18.
- Love, Joseph E., Schenectady, N. Y., assignor to General Electric Company. Automatic antenna regulator. 1,684,235; Sept. 11.
- Love, Kit C. (See Love, John H. and K. C.)
- Love, Nelson R. (See Stenger, E., and Love.)
- Love, Nelson R., Denver, Colo. Railway-track construction. 1,655,770; Jan. 10.
- Love, Nelson R., Denver, Colo. Seam-welded railway joint. 1,671,535; May 29.
- Lovegrove, Clara S. (See Lovegrove, Thomas G., assignor.)
- Lovegrove, Thomas G., assignor to C. S. Lovegrove, Philadelphia, Pa. Magnetic sharpener for razor blades. 1,683,981; Sept. 11.
- Lovejoy, Arthur W., Lowell, Mass. Toilet-paper holder. 1,695,432; Dec. 18.
- Lovejoy Development Corporation. (See Lovejoy, Dimmitt R., assignor.)
- Lovejoy, Dimmitt R., assignor to Lovejoy Development Corporation, New York, N. Y. Connecting rod for sound reproducers. 1,673,574; June 12.
- Lovejoy, Dimmitt, New York, N. Y., assignor, by mesne assignments, to American Bosch Magneto Corporation, Springfield, Mass. Volume control and switch for radio-circuits. 1,687,133; Oct. 9.
- Lovejoy, Frank W., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture-film strip. 1,687,100; Oct. 9.
- Lovejoy, Louis B., assignor, by mesne assignments, to Clark Metal Products, Incorporated, Bridgeport, Conn. Floor and ceiling plate for pipes. 1,689,952; Oct. 30.
- Lovejoy, Ralph M., Boston, Mass. Shock absorber. 1,676,147; July 3.
- Lovell, Kenneth H., Libertyville, Ill. Collapsible reinforcement for concrete. 1,659,035; Feb. 14.
- Lovell Manufacturing Company. (See Gehrlein, Vincent, assignor.)
- Lovell Manufacturing Company. (See Misner, Edgar D., assignor.)
- Lovell, William V., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Automatically-controlled vapor-converter substation. Re-17,041; July 17.
- Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Auxiliary grooving or facing attachment for Fay lathes. 1,679,043; July 31.
- Loveman Brothers. (See Loveman, Emile M., assignor.)
- Loveman, Emile M., Flushing, assignor to Loveman Brothers, New York, N. Y. Textile fabric and producing the same. 1,686,630; Oct. 9.
- Lovenwirth, Samuel, Philadelphia, Pa. Machine for applying paste to paper sheets. 1,681,992; Aug. 28.
- Loveridge, Charles, and A. E. Cox, Portland, Oreg. Precious-metal-recovery machine. 1,668,162; May 1.
- Loveridge, George W., Republic, Wash. Chair attachment. 1,690,025; Oct. 30.
- Lovett, Michael V., Castanea, Pa. Rendering apparatus. 1,686,017; Oct. 2.
- Lovis, William. (See Tully, E. E., and Lovis.)
- Lovvorn, Robert L., Gadsden, Ala. Valve-stem protector. 1,664,694; Apr. 3.
- Low, Archie E., Ottawa, Ontario, Canada. Printing device. 1,656,489; Jan. 17.
- Low, Archie E., Ottawa, Ontario, Canada. Sealing means. 1,679,315; July 31.
- Low, Archie E., Ottawa, Ontario, Canada. Mail-bag lock. 1,683,294; Sept. 4.
- Low, Arthur B., Denver, Colo. Fuel composition. 1,669,341; May 8.
- Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Top holddown mechanism for paper feeders. 1,668,816; May 8.
- Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Ink fountain for printing presses. 1,681,299; Aug. 21.
- Low, Dave D., Mont Helena, Miss. Cultivator blade or sod scraper. 1,694,099; Dec. 4.
- Low, Frank K., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,668,687; May 8.
- Low, James F., Toronto, Ontario, Canada. Pulp suction die. 1,680,892; Aug. 14.
- Low, James F., Toronto, Ontario, Canada. Vacuum control mechanism for pulp-molding machines and the like. 1,680,893; Aug. 14.
- Low, Wilson H. (See Black, J. C., and Low.)
- Lowe, Clyde E., East Cleveland, Ohio. Apparatus for making inner tubes. 1,660,343; Feb. 28.
- Lowe, Clyde E., East Cleveland, Ohio. Machine for making mandrels. 1,662,428; Mar. 13.
- Lowe, Edgar L., assignor to Phenolic Products Corporation, Rockford, Ill. Hinge construction for toilet seats and covers. 1,673,915; June 19.
- Lowe, Edward L., Palo Alto, assignor to J. W. Clune Co., Los Angeles, Calif. Burner and valvular control therefor. 1,693,931; Dec. 4.
- Lowe, Edward L., Palo Alto, assignor to J. W. Clune Co., Los Angeles, Calif. Time control of fuel injection for internal-combustion engines. 1,693,932; Dec. 4.
- Lowe, James T. (See Gordon, C. S., and Lowe.)
- Lowe, Joseph N. (See Grossman, M. L., and Lowe.)
- Lowe, Joseph N., New York, N. Y. Hand bag. 1,684,839; Sept. 18.
- Lowe Machinery Company, The. (See Lowe, Thomas L., assignor.)
- Lowe, Russell E., assignor to Doherty Research Company, New York, N. Y. Bonded refractory. 1,694,924; Dec. 11.
- Lowe, Sherwin P. (See Phelan, R. E., and Lowe.)
- Lowe, Thomas L., Devon, assignor to The Lowe Machinery Company, Bridgeport, Conn. Automatic feeder for laundry machinery. 1,684,451; Sept. 18.
- Lowe, Thomas L., Devon, assignor to The Lowe Machinery Company, Bridgeport, Conn. Laundry-distributing apparatus. 1,684,452; Sept. 18.
- Lowe, William Q., Akron, Ohio. Clothes tongs. 1,664,935; Apr. 3.
- Lowell, William, Maplewood, N. J., assignor to The Nieblo Mfg. Co., Inc., New York, N. Y. Golfing tee. 1,670,627; May 22.
- Lowell-Wintsch Automatic Train Control Corp., The. (See Wintsch, Max T., assignor.)
- Lowenfeld, Henri, Paris, France. Shaving stick. 1,681,355; Aug. 21.
- Lowenstein, Harry F. (See Clement, E. E., and Lowenstein.)
- Lowenstein, Harry F., Washington, D. C. Intermittent thermal switch. 1,684,709; Sept. 18.
- Lowenstein, Harry F., assignor to E. F. Colladay, Washington, D. C. Radio receiving station. 1,695,175; Dec. 11.
- Lower, Melvin S., Barberton, Ohio, assignor to Sun Rubber Company. Tip for hydrometer syringes. 1,678,600; July 24.
- Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Stoker. 1,663,637; Mar. 27.
- Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Locomotive boiler. 1,673,152; June 12.
- Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Locomotive stoker. 1,684,874; Sept. 18.
- Lower, Nathan M., and P. A. Ketchpel, Pittsburgh, Pa., assignors to Locomotive Stoker Company. Stoker. 1,658,246; Feb. 7.
- Lower, Nathan M., and P. A. Ketchpel, Pittsburgh, Pa., assignors to Locomotive Stoker Company. Elevator casing. 1,658,247; Feb. 7.
- Lower, Nathan M., and P. A. Ketchpel, Pittsburgh, Pa., assignors to Locomotive Stoker Company. Stoker. 1,663,636; Mar. 27.
- Lower, Nathan M., and P. A. Ketchpel, Pittsburgh, Pa., assignors, by mesne assignments, to The Standard Stoker Company Inc., New York, N. Y. Elevator casing. 1,690,789; Nov. 6.
- Lower, Nathan M., and A. R. Shalker, Pittsburgh, Pa. Fuel distributor. 1,675,187; June 26.
- Lower, Nathan M., and E. A. Turner, assignors to Locomotive Stoker Company, Pittsburgh, Pa. Locomotive stoker. 1,665,748; Apr. 10.
- Lowery, William, Hammond, Ind., assignor, by mesne assignments, to Hammond Bolt & Nut Company. Automatic feed mechanism for heading machines. 1,676,567; July 10.
- Lowey, Edward R., Huntington, Ind. Arch support. 1,655,319; Jan. 3.
- Lowinger, Eugene, New York, N. Y. Illuminated sign. 1,685,822; Oct. 2.
- Lowkrantz, Gunne, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Film-moving mechanism. 1,676,037; July 3.
- Lowkrantz, Gunne, assignor to Ansco Photo-Products, Inc., Binghamton, N. Y. Edge-fog preventive for photographic-film strips. 1,688,050; Oct. 16.
- Lowkrantz, Gunne, assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Light lock for photographic film strips. 1,690,739; Nov. 6.

- Lowman, Malden C., and G. E. Pentress, Los Angeles, and R. Bane, Fullerton, Calif. Well-underreaming tool. 1,663,014; Mar. 20.
- Lowrey, John R., San Francisco, Calif. Hose coupling. 1,664,125; Mar. 27.
- Lowrie, Edward D., Detroit, assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Forming tapered cross-section disks. 1,677,722; July 17.
- Lowry, Henry L., Morrill, Kans. Vending machine. 1,696,494; Dec. 25.
- Lowry, Horace, et al. (See Smith, William J., assignor.)
- Lowry, Julius C., Detroit, Mich. Lighting fixture. Des. 74,440; Feb. 14.
- Lowry, Julius C., Detroit, Mich. Backplate for lighting fixtures. Des. 74,441; Feb. 14.
- Lowry, Julius C., Detroit, Mich. Electric-lighting fixture. Des. 74,442; Feb. 14.
- Lowry, Michael J., Los Angeles, Calif. Toy baseball game. 1,685,428; Sept. 25.
- Lowthrop, James W., Lawrenceburg, Tenn. Dishwasher. 1,696,640; Dec. 25.
- Lowy, Alexander, Pittsburgh, Pa. Process of and apparatus for locating obstructions in pipe lines carrying fluids. 1,662,429; Mar. 13.
- Löwy, Ludwig, assignor to Schloemann Aktiengesellschaft, Düsseldorf, Germany. Mandrel-upsetting press. 1,691,075; Nov. 13.
- Lowy, Samuel, New York, N. Y. Partition pilaster. 1,669,479; May 15.
- Lowy, Samuel, New York, N. Y. Extensible pilaster. 1,676,616; July 10.
- Lox Seal Corporation, The. (See Behrman, Marcus B., assignor.)
- Lox Seal Corporation, The. (See Kondolf, Henry E., assignor.)
- Lox Seal Corporation, The. (See Kramer, Joseph, assignor.)
- Loy, George S., Paris, France. Pulverizing apparatus for solid fuels. 1,656,862; Jan. 17.
- Loyal Order of Moose, The. (See Davis, James J., assignor.)
- Loyd, Lee G., Ardmore, Okla. Storage-battery tool. 1,675,812; July 3.
- Loyd, William C., and A. R. McArthur, Gary, Ind., assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Grease-melting furnace. 1,675,813; July 3.
- Loyer, Fernand, and M. Gosselin, New York, N. Y. Hat holder. 1,693,341; Nov. 27.
- Loynes, Owen H. (See Demarest, C. S., and Loynes.)
- Loynes, Owen H., Woodridge, N. J., assignor to American Telephone and Telegraph Company. Modulating arrangement. 1,677,190; July 17.
- Loynes, Owen H., Woodridge, N. J., assignor to American Telephone and Telegraph Company. Modulating arrangement. 1,677,191; July 17.
- Lubbers & Bell Manufacturing Co. (See Lubbers, John A., assignor.)
- Lubbers, John A., assignor to Lubbers & Bell Manufacturing Co., Clinton, Iowa. Fly swatter. 1,665,270; Apr. 10.
- Lubbers, John A., assignor to Lubbers & Bell Manufacturing Company, Clinton, Iowa. Display stand. 1,665,271; Apr. 10.
- Lübeck, Karl H. O., Tslinge, Sweden. Electric automobile. 1,690,199; Nov. 6.
- Lubin, Joseph I., et al. (See Newmark, Aaron S., assignor.)
- Lübke, Aloys, Altena, Germany. Air blower for dental purposes. 1,696,440; Dec. 25.
- Lubonia, Sotir K. (See Mas, G. N., and Lubonia.)
- Lubowsky, Kurt, Berlin, Germany, assignor to General Electric Company. Electric measuring system. 1,687,575; Oct. 16.
- Lubowsky, Simon J., Jersey City, N. J. Electrically-conductive titanium oxide. 1,675,117; June 26.
- Lucarelle, Joseph M., assignor to Dictaphone Corporation, Bridgeport, Conn. Ejector. 1,687,375; Oct. 9.
- Lucas, Charles. (See Koontz, Albert D., and A. R., assignors.)
- Lucas, Clarence W. (See Mueller, P., Schuermann, and Lucas.)
- Lucas, Emil A., Washington, assignor to Molybdenum Corporation of America, Pittsburgh, Pa. Molybdenum alloying compound. 1,681,123; Aug. 14.
- Lucas, Emil A., Washington, assignor to Molybdenum Corporation of America, Pittsburgh, Pa. Manufacturing molybdenum alloying compounds. 1,681,124; Aug. 14.
- Lucas, Eugene, Babylon, N. Y. Building block. 1,657,861; Jan. 31.
- Lucas, Francis F., East Orange, N. J. Photomicrographic camera. 1,666,499; Apr. 17.
- Lucas-Girardville, Paul N., Paris, France. Storing and transporting gases. 1,680,873; Aug. 14.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn-Loom Corporation, New York, N. Y. Loom. 1,659,275; Feb. 14.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn-Loom Corporation, New York, N. Y. Harness mechanism for looms. 1,662,931; Mar. 20.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Loom. 1,674,732; June 26.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Loom. 1,677,192; July 17.
- Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Automatic stop mechanism for looms. 1,677,899; July 24.
- Lucas-Lamborn-Loom Corporation. (See Lucas, Jonathan, assignor.)
- Lucas, Milo W., Sherburn, Minn. Evener. 1,667,790; May 1.
- Lucas, Noah E., Norwich, Conn. Underclearer roll. 1,654,940; Jan. 3.
- Lucas, Owen D., Westminster, assignor to Vickers Limited, Westminster, London, England. Percussion firing mechanism. 1,675,118; June 26.
- Lucas, Owen D., and E. L. Lomax, Broadway, Westminster, assignors to V. L. Oil Processes Limited, Westminster, England. Cracking of liquid hydrocarbons. 1,690,416; Nov. 6.
- Lucas, Samuel M., Pittsburgh, assignor to Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,656,947; Jan. 24.
- Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,658,491; Feb. 7.
- Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,676,788; July 10.
- Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,690,235; Nov. 6.
- Lucas, Samuel M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa., Reactance device. 1,693,178; Nov. 27.
- Lucas, Zana R., and G. E. Carpenter, West Chicago, Ill.; said Carpenter assignor to said Lucas. Manicuring buffer. 1,665,710; Apr. 10.
- Luca Cane Harvester Corporation. (See Flynn, Francis K., assignor.)
- Luca Cane Harvester Corporation. (See Wilkes, F. C. D., and Flynn, assignors.)
- Luca, Charles R., New York, N. Y. Stick-candy wrapper. Des. 74,982; Apr. 24.
- Lucek, Charles W. (See Fowler, C. B., and Lucek.)
- Lucey Manufacturing Corporation of Tennessee. (See Evans, William S., assignor.)
- Lucey Manufacturing Corporation of Tennessee. (See Woodbury, Robert W., assignor.)
- Lucey, Patrick J., Chicago, Ill., assignor to D. A. Weir, receiver for Lucey Slicing Machine Co., South Bend, Ind. Slicing machine. 1,687,729; Oct. 16.
- Lucia, Louis V. (See Beveridge, F. S., and Lucia.)
- Lucia, Louis V. (See Rudolph, W. H., and Lucia.)
- Lucian, Arsene N., Philadelphia, Pa. Cathode construction. 1,667,977; May 1.
- Luck, Charles A., Detroit, Mich. Preventing leakage around stay wires of concrete walls. 1,657,217; Jan. 24.
- Luck, William F., Portland, assignor, by mesne assignments, to F. W. Chausse, Salem, Oreg. Printing press. 1,684,592; Sept. 18.
- Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,662,153; Mar. 13.
- Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condensing apparatus. 1,662,154; Mar. 13.
- Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser. 1,662,155; Mar. 13.
- Lucke, Charles E., New York, N. Y., assignor to The Hoover Company. Refrigerator construction. 1,684,549; Sept. 18.
- Lucke, Stephen, Taunton, Mass. Cushioning running board for automobiles. 1,669,876; May 15.
- Luckenbach, Royer, Brooklyn, N. Y. Flotation oil. 1,688,975; Oct. 23.
- Luckey, George P. (See Hegenberger, A. F., and Luckey.)
- Luckey, George P., Dayton, Ohio. Mechanical differential movement and tachometer embodiment. 1,693,485; Nov. 27.
- Luckiesh, Matthew, Cleveland, Ohio. Lighting fixture. 1,680,225; Aug. 7.
- Luckiesh, Matthew, Cleveland, Ohio, L. C. Doane, Meriden, Conn., and A. Miller, Cleveland Ohio; said Doane and said Miller assignors to The Miller Company, Meriden, Conn. Shade holder. 1,682,918; Sept. 4.
- Luckweil, Arthur, Mannheim-Neckarau, Germany. Process and apparatus for weaving together the ends of similarly woven belts and bands. 1,681,856; Aug. 21.
- Lucy, Thomas A., Asheville, N. C., assignor to Ingalls Steel Products Company, Birmingham, Ala. Bar joist. 1,662,752; Mar. 13.
- Ludeke, William A., Rochester, N. Y. Weather strip. 1,682,389; Aug. 28.
- Ludeman Brothers Incorporated. (See Ludeman, Oscar H., assignor.)
- Ludeman, Oscar H., Glen Ridge, N. J., assignor to Ludeman Brothers, Incorporated, New York, N. Y. Controlling mechanism. 1,679,044; July 31.
- Ludeman, Oscar H., Glen Ridge, N. J., assignor to Ludeman Brothers Incorporated, New York, N. Y. Safety stop mechanism. 1,691,630; Nov. 13.
- Lüdenscheider Metall-Werke Akt.-Ges. vorm. Jul. Fischer & Basse. (See Fecher, Jacob, assignor.)
- Ludgin, Michael. (See McElroy, William, assignor.)
- Ludington, C. T. (See Miller, Roy G., assignor.)

- Ludington, Donald G., Masontown, Pa. Valve lifter. 1,688,280; Oct. 16.
- Ludlow, Edward H., Evanston, Ill., assignor to Wire-bounds Patents Company. Sealing means and method for wire-bound boxes. 1,662,011; Mar. 6.
- Ludlow, James M., Carrollton, Ohio. Window ventilator. 1,681,420; Aug. 21.
- Ludlow, John L., Maplewood, N. J. Electron-tube circuits. 1,661,698; Mar. 6.
- Ludlow Manufacturing Associates, trustees. (See Williamson, William P., assignor.)
- Ludlum Manufacturing Company, The. (See Hake, Elmer C., assignor.)
- Ludlum Valve Manufacturing Company, The. (See Brooks, Joseph, assignor.)
- Ludlum, Albert C., New York, N. Y., assignor to New York Engineering Company. Suction elevator. 1,668,855; May 8.
- Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)
- Ludowici, Johann W., Munich, Germany. Photographic-plate-changing means. 1,670,861; May 22.
- Ludowici, Russell, Schenectady, N. Y. Traction rim for automobiles, trucks, and the like. 1,688,051; Oct. 16.
- Ludw. Loewe & Co. Actiengesellschaft. (See Storck, Walter, assignor.)
- Ludwick, Herbert V., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. 1,691,488; Nov. 13.
- Ludwig, Frederick. (See Wuest, J., and Ludwig.)
- Ludwig, George, Milwaukee, Wis., assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Electric-light fixture. Des. 74,686; Mar. 13.
- Ludwig, George, Milwaukee, Wis., assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Electric wall bracket. Des. 74,687; Mar. 13.
- Ludwig, George, Milwaukee, Wis., assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Electric wall bracket. Des. 74,688; Mar. 13.
- Ludwig, George, Milwaukee, Wis., assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Electric-light fixture. Des. 74,689; Mar. 13.
- Ludwig, George, Milwaukee, Wis., assignor to Mutual Metal Manufacturing Company, Chicago, Ill. Chandelier. Des. 75,377; May 29.
- Ludwig, Hans, Homburg, assignor of one-half to Stempelwerk G. m. b. H., Mainkur, near Frankfort-on-the-Main, Germany. Driver for free-wheel hubs. 1,657,265; Jan. 24.
- Ludwig, Louis, Brooklyn, N. Y. Trouble light. 1,672,651; June 5.
- Ludwig, Otto R., Garvin, Minn. Folding trunk. 1,696,853; Dec. 25.
- Ludwig, Otto R., Garvin, Minn. Corn ventilating and drying device. 1,696,854; Dec. 25.
- Ludwig, William C., Chillicothe, assignor to The Mead Pulp & Paper Company, Dayton, Ohio. Apparatus and method for packaging paper. 1,696,008; Dec. 18.
- Luebbe, Fred H. L., Philadelphia, Pa. Hosiery. Des. 77,017; Nov. 27.
- Luebbers, Gerhardt L., Parma, Mo. Stump-pulling machine. 1,682,973; Sept. 4.
- Luebbert, Joseph, Margate City, assignor, by mesne assignments, of one-half to H. M. Curran, Atlantic City, N. J. Vehicle rim. 1,660,998; Feb. 28.
- Luebecker Maschinenbau-Gesellschaft. (See Wenzel, Reinhold, assignor.)
- Lueck, Roger H., Oak Park, Ill., assignor, by mesne assignments, to the Public of the United States of America. Enamel for coating cans. 1,667,212; Apr. 24.
- Luedinghaus, Herbert H., assignor to St. Louis Malleable Castings Company, St. Louis, Mo. Subway-cable rack. 1,656,211; Jan. 17.
- Luedke, August J., assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Support for plaster bases. 1,667,701; Apr. 24.
- Luehrs, Daniel M., Cleveland, Ohio. Heater for liquid heat-transmission systems. 1,684,963; Sept. 18.
- Luellen, Lawrence W., Mountain Lakes, N. J., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Receptacle. 1,654,982; Jan. 3.
- Luery, Michael, Chicago, Ill. Garment bag and hanger. 1,679,091; July 31.
- Luery, Michael, Chicago, Ill. Adjustable radiator cover. 1,690,740; Nov. 6.
- Lueth, Ernst. (See Jaeger, O., and Lueth.)
- Luethemeyer, John A., and J. Wieberg, St. Elizabeth, Mo. Saw. 1,656,490; Jan. 17.
- Luettscher, Oliver P., Pittsburgh, Pa. Stoker. 1,688,338; Oct. 23.
- Luft-Fahrzeug Gesellschaft m. b. H. (See Nattag, Hermann, assignor.)
- Luft, Hans, Providence, R. I. Coupler. 1,667,557; Apr. 24.
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, K., and Lehman, assignors.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Doerr, W. E., and Lehmann, assignors.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dorr, Wilhelm E., assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Klemperer, Wolfgang, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Lempertz, Eberhard, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Rieger, Leonz, assignor.)
- Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Siller, Karl, assignor.)
- Luftschiffbau Zeppelin G. m. b. H. (See Strobl, Hans, assignor.)
- Lugt, Gerard J., assignor to Naamlooze Vennootschap Nederlandsche Fabrik van Werktuigen en Spoorwegmaterieel genaamd "Werkspoor." Amsterdam, Netherlands. Scavenging device for double-acting two-stroke internal-combustion engines. 1,663,638; Mar. 27.
- Lugt, Gerard J., Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Nederlandsche Fabrik van Werktuigen en Spoorwegmaterieel genaamd "Werkspoor." Amsterdam, Netherlands. Construction and mounting of the cylinder of a double-acting two-stroke motor. 1,674,832; June 26.
- Luijpersbek, Frank, Boundbrook, N. J. Banister-construction joint. 1,663,203; Mar. 20.
- Luijpersbek, Frank, Boundbrook, N. J. Wind vane. 1,685,134; Sept. 25.
- Luitwieler Pumping Engine Company. (See Minor, William A., assignor.)
- Lujan, Manuel L., Los Angeles, Calif. Antenna support. 1,679,675; Aug. 7.
- Lukachovic, Joseph C., Chicago, and H. C. Peters, Oak Park, Ill. Carriage for concrete mixers and distributors. 1,689,143; Oct. 23.
- Luke, Edwin H. (See Dietz, Frank L., assignor.)
- Luke, Edwin H. (See Noble, George E., assignor.)
- Luke, Howard J., administrator. (See Luke, James A.)
- Luke, James A., deceased; H. J. Luke, administrator, Cleveland, Ohio. Spring suspension for vehicles. 1,664,478; Apr. 3.
- Lukens, Alan R., Wyoming, assignor to The Richardson Company, Lockland, Ohio. Storage-battery container. 1,656,072; Jan. 10.
- Lukens, Alan R., Wyoming, assignor to The Richardson Company, Cincinnati, Ohio. Deinking paper. 1,680,949; Aug. 14.
- Lukens, Francis J., Washington, D. C. High-speed trackway. 1,682,974; Sept. 4.
- Lukens, William L., and R. R. Carey, Bethlehem, Pa., assignors to Bethlehem Steel Company. Fuse for projectiles. 1,687,341; Oct. 9.
- Lukens, William L., and N. Greenwell, Bethlehem, Pa., assignors to Bethlehem Steel Company. Detonating fuse. 1,692,455; Nov. 20.
- Lukes, John. (See Kranz, H. W., Edwards, and Lukes.)
- Lukomski, John B., Detroit, Mich. Molding apparatus. 1,663,455; Mar. 20.
- Lulofs, Warner, Amsterdam, Netherlands. Furnace burning pulverized fuel. 1,689,675; Oct. 30.
- Lum, Charles E., Yakima, Wash. Fruit-treating machine. 1,655,871; Jan. 10.
- Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,670,777; May 22.
- Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmitter mounting. Des. 76,622; Oct. 16.
- Lum, George R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diaphragm for a loud speaker. Des. 77,165; Dec. 11.
- Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Audiphone. 1,688,976; Oct. 23.
- Lum, Walter O., New York, N. Y., assignor to Blo-Dry Incorporated, Syracuse, N. Y. Circuit interrupter. 1,654,983; Jan. 3.
- Lum, Walter O., New York, assignor to Blo-Dry Incorporated, Syracuse, N. Y. Fan blower. 1,657,758; Jan. 31.
- Lum, Walter O., New York, assignor to Blo-Dry Incorporated, Syracuse, N. Y. Nozzle for electric driers. 1,673,050; June 12.
- Lumb, Louis N., Astoria, N. Y. Bed lock. 1,666,424; Apr. 17.
- Lumen Bearing Company. (See Bierbaum, Christopher H., assignor.)
- Lumiere, Louis, Lyons, France. Talking machine employing large diaphragm. 1,671,536; May 29.
- Lumiere, Louis, Lyons, France. Talking machine employing large diaphragm. 1,689,286; Oct. 30.
- Lu-Mi-Nus Signs, Inc. (See Wesley, Joseph A., assignor.)
- Lumley, Frank E., Omaha, Nebr. Valve. 1,666,629; Apr. 17.
- Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,655,320; Jan. 3.
- Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,659,493; Feb. 14.
- Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,666,604; Apr. 17.
- Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,676,148; July 3.
- Lumsden, Edward, et al. (See Cervevol, Albert, assignor.)

- Lumsden, William G. G. P., assignor to R. Stephens, liquidator of The Fibright Company Limited (in liquidation), London, England. Separating liquids of different specific gravity and means therefor. 1,690,741; Nov. 6.
- Lunati, Peter J., Memphis, Tenn. Turntable lift. 1,689,144; Oct. 23.
- Lunati, Peter J., Memphis, Tenn. Turntable lift. 1,689,145; Oct. 23.
- Luneford, Earl E. (See Harrison, W., and Luneford.)
- Lund, George H., assignor to Made-Ready Plate Corporation, Chicago, Ill. Printer's register apparatus. 1,662,830; Mar. 20.
- Lund, Gustav A., Milwaukee, Wis. Aeroplane. 1,675,759; July 3.
- Lund, Hans, Berlin-Schoneberg, and H. Laub, Berlin-Tegel, Germany, assignors to General Electric Company. Electric train control. 1,669,377; May 8.
- Lund, Isaac, Chicago, Ill. Radiocabinet. Des. 76,408; Sept. 25.
- Lund, Isaac A., Chicago, Ill. Radiocabinet. Des. 76,488; Oct. 2.
- Lund, Isaac A., Chicago, Ill. Radiocabinet. Des. 76,489; Oct. 2.
- Lund, John A., assignor to Challenge Company, Batavia, Ill. Machine for converting rotary into reciprocating motion. 1,655,151; Jan. 3.
- Lund, Oscar J., Omaha, Nebr. Cradle. 1,676,100; July 3.
- Lund, Ross S. (See King, J. M. S., and Lund.)
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-presenting device. 1,655,427; Jan. 10.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail. 1,656,333; Jan. 17.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,656,357; Jan. 17.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail distributor. 1,657,630; Jan. 31.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blank-assembling machine. 1,676,341; July 10.
- Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,685,368; Sept. 25.
- Lundahl, Frederick A., East Moline, Ill. Railway track and forming the same. 1,669,257; May 8.
- Lundberg, Charles A., Chicago, Ill. Outlet-box support. 1,675,942; July 3.
- Lundberg, Elov K. H., Saltsjobaden, assignor to Sesam Aktiebolag, Stockholm, Sweden. Water-closet. 1,696,855; Dec. 25.
- Lundberg, Everett E., assignor to Brigs Manufacturing Company, Detroit, Mich. Adjustable striker plate. Re17,083; Sept. 11.
- Lundberg, Gustave E., Kewanee, Ill. Battery-charging connection for potential charging. 1,673,086; June 12.
- Lundberg, Nils I., assignor to Gisholt Machine Company, Madison, Wis. Metal-working tool. 1,666,500; Apr. 17.
- Lundberg, Olof, Saltsjobaden, Sweden, and J. M. Bernström, Arabia, Helsingfors, Finland. Water-closet. 1,688,977; Oct. 23.
- Lundberg, Oscar, San Diego, Calif. Resistance switch. 1,694,330; Dec. 4.
- Lundborg, Joseph, assignor to Surface Combustion Company, New York, N. Y. Recuperator. 1,672,864; June 5.
- Lundeen, August A., Lynbrook, N. Y. Jar cap. 1,696,719; Dec. 25.
- Lundell, George A. E., deceased, New York, N. Y.; J. D. Lundell, executrix. Electromagnetic relay. 1,685,953; Oct. 2.
- Lundell, Jeannette D., executrix. (See Lundell, George A. E.)
- Lundgaard, Ivar, Hartford, Conn., assignor, by mesne assignments, to Devon Manufacturing Company, Boston, Mass. Refrigerating machine. 1,688,589; Oct. 23.
- Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Furnace. 1,679,364; Aug. 7.
- Lundgren, Edwin, Frederick, Md., assignor to International Combustion Engineering Corporation, New York, N. Y. Furnace-wall structure. 1,688,339; Oct. 23.
- Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Balancing machine. 1,665,138; Apr. 3.
- Lundgren, William E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box motion for looms. 1,679,616; Aug. 7.
- Lundholm, Carl O., Molesse, Mont. Measuring device for containers. 1,665,139; Apr. 3.
- Lundin, Oscar R. (See Öberg, Edwin C. G., assignor.)
- Lundin, Ragnar O. W., assignor to Barber Electric Manufacturing Company, North Attleboro, Mass. Electric switch. 1,686,494; Oct. 2.
- Lundin, Trued B. (See Litty, J. R., and Lundin.)
- Lundius, Eric R., Brooklyn, N. Y., assignor, by mesne assignments, to M. G. Pittman, Washington, D. C. Bookholder. 1,674,975; June 26.
- Lundius, Eric R., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Pulsing system. 1,695,050; Dec. 11.
- Lundmark, John A., Chicago, Ill. Air cooler and humidifier. 1,690,417; Nov. 6.
- Lundsten, Olof. (See Johnson, E. L., and Lundsten.)
- Lundstrom, Arthur G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Fuel-oil pump. 1,668,919; May 8.
- Lundy, Beverly A. (See Lavarack, W. H. B., and Lundy.)
- Lundy, Robert R., South Bend, Ind. Golf-ball tee. 1,679,579; Aug. 7.
- Lundy, Wilson T., and H. S. Burns, assignors, to The Freeport Sulphur Company, Freeport, Tex. Mining sulphur. 1,673,879; June 19.
- Lunge, Ernest, assignor to Courtaulds Limited, London, England. Pump and like device for controlling the delivery rate of fluids. 1,672,070; June 5.
- Lunken, Eshelby F., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Nozzle. 1,669,419; May 15.
- Lunkenheimer Company, The. (See Hellwig, Bernhard J., assignor.)
- Lunkenheimer Company, The. (See Lunken, Eshelby F., assignor.)
- Lunz, Franz, New York, N. Y. Motor-driven cylinder. 1,674,516; June 19.
- Lunz, Franz, New York, and L. Stawinski, Bronx, N. Y. Toy pistol. 1,670,895; May 22.
- Lunz, George A., Buffalo, N. Y. Spring suspension for vehicles. 1,689,038; Oct. 23.
- Luoma, Matt, Portland, Ore. Angle indicator. 1,669,258; May 8.
- Lupien, Henry B., Manchester, N. H. Apparatus for manufacturing ornamental shoe uppers. 1,689,633; Oct. 30.
- Lupien, Henry J. (See Gay, Alfred F., assignor.)
- Lupien, Louis A., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Container or box. 1,667,354; Apr. 24.
- Lupton's, David, Sons Company. (See Brogden, Joah, assignor.)
- Lurcott, Charles E., assignor to Philadelphia Last & Pattern Co., Philadelphia, Pa. Last. 1,687,623; Oct. 16.
- Lurgi Apparatebau-Gesellschaft m. b. H. (See Bayerle, Karl, assignor.)
- Lürken, Matthias, assignor to H. Junkers, Dessau, Germany. Air heater. 1,668,537; May 1.
- Lurry, Abner J., New Orleans, La. Drier. 1,692,749; Nov. 20.
- Lüscher, Emil, Basel, assignor to The Company Elektrizitätswerk Lonza, Gampel and Basel, Switzerland. Manufacture of crotonaldehyde from acetaldehyde and aldol. 1,693,907; Dec. 16.
- Lüscher, Emil, and H. Steiger, Basel, assignors to the firm: Elektrizitätswerk Lonza, Gampel and Basel, Switzerland. Production of metaldehyde. 1,693,204; Nov. 27.
- Luscombe, J. T., La Grange, and T. Windle, Decatur, Ill.; said Windle assignor to said Luscombe. Wearing element for crossheads. 1,658,019; Jan. 31.
- Luscombe, John T., La Grange, and T. Windle, Decatur, Ill.; said Windle assignor to said Luscombe. End-thrust bearing for locomotive journal boxes. 1,672,329; June 5.
- Lusebrink, Wilhelm. (See Ernestus, C., and Lusebrink.)
- Lush, Arthur J., Waltham, assignor to Rawson Electrical Instrument Company, Cambridge, Mass. Electric meter. 1,669,619; May 15.
- Lusher, Albert C., assignor to Scovill Manufacturing Co., Waterbury, Conn. Producing tubular articles. 1,693,610; Dec. 4.
- Lusher, Edgar H., Portland, Ore. Razor-blade holder. 1,673,412; June 12.
- Lusk, Charles H., Newton, Mass. Compressor and pump. 1,676,789; July 10.
- Lusse Brothers. (See Lusse, Joseph, assignor.)
- Lusse, Joseph, assignor to the firm of Lusse Brothers, Philadelphia, Pa. Vehicle controlling apparatus. 1,665,103; Apr. 3.
- Lusse, Joseph C. and R. J., Philadelphia, Pa. Amusement car. Des. 75,802; July 17.
- Lusse, Robert J. (See Lusse, Joseph C. and R. J.)
- Lustig, Alex, assignor to Idealite Electric Lamp Shade Mfg. Co., Inc., New York, N. Y. Lamp-shade frame. 1,683,585; Sept. 4.
- Lustre Co., The. (See Green, Fred P., assignor.)
- Lutch, Anthony F., Hays, Pa. Hammer. 1,663,886; Mar. 27.
- Luth & Rosens Elektriska Aktiebolag. (See Wallgren, August G. F., assignor.)
- Luthander, Thure A., San Diego, Calif. Suds-producing means. 1,677,645; July 17.
- Luther, Fritz, assignor to the firm G. Polysius, Dessau, Germany. Rotary kiln for burning, roasting, and sintering of mineral materials. 1,673,051; June 12.
- Luther, Fritz, assignor to G. Polysius, Dessau, Germany. Drying apparatus for rotary kilns. 1,675,717; July 3.
- Luther, Martin, K. Pieroh, and E. Kranepuhl, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Catalytic dehydrogenation. 1,684,634; Sept. 18.
- Lutschg, Arnold, Great Bend, Kans. Shoe-stitcher attachment. 1,667,427; Apr. 24.
- Lutter, Clemens. (See Schranz, K., and Lutter.)
- Luttrell, Nicholas, J., Liverpool, N. Y. Electrothermostatic switch. 1,678,401; July 24.

- Luttrupp, Conrad, assignor of one-half to A. Lindahl, Stockholm, Sweden. Calculating machine. 1,662,526; Mar. 13.
- Luttrupp, Conrad, assignor of one-half to A. Lindahl, Stockholm, Sweden. Calculating machine. 1,671,537; May 29.
- Lüty, Willi. (See Schertel, L., and Lüty.)
- Lutz, Adam N., assignor of one-half to E. J. Rosino, Sandusky, Ohio. Corpse-supporting rest. 1,661,377; Mar. 6.
- Lutz, Alfred, Seehof, near Teltow, Germany, assignor, by mesne assignments, to Ronald C. Lee, Bedford, N. Y. Treating fibrous material. 1,682,390; Aug. 28.
- Lutz, Ernest T., New York, N. Y. Combined toothpick and dental floss holder. Des. 76,490; Oct. 2.
- Lutz, Friedrich. (See Maier, K., and Lutz.)
- Lutz, George A., Cranford, N. J., assignor to American Circular Loom Company, Pittsburgh, Pa. Resistance welding electrode. 1,676,656; July 10.
- Lutz, Julius H., New York, N. Y. Suction element and suction ventilator for automobiles. 1,676,269; July 10.
- Lutz, Martin H., jr., Nelsonville, Ohio. Engine piston. 1,689,953; Oct. 30.
- Lutzner, Frank. (See Oehmig, J., jr., and Lutzner.)
- Luukkonen, Wilhelm A., Brooklyn, N. Y. Attachment for motor exhausts. 1,670,200; May 15.
- Lux Clock Manufacturing Company, The. (See Lux, Paul, assignor.)
- Lux, Leo A., Rocky River, Ohio. Container. 1,665,711; Apr. 10.
- Lux, Paul, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Pendulum desk clock. Des. 75,182; May 15.
- Luxor Electrical Fixture Corp. (See Binder, Harry, assignor.)
- Luyben, Joseph A. (See Ferber, H. G., and Luyben.)
- Luyken, Hugo, Bielefeld, Germany. Cupola with forehearth. 1,681,043; Aug. 14.
- Luzzi, August F., Houston, assignor to J. B. Akers, Breckenridge, Tex. Truss. 1,658,133; Feb. 7.
- Luzzi, August F., Houston, assignor to J. B. Akers, Breckenridge, Tex. Truss. 1,676,657; July 10.
- Lyall, John, Leith, Scotland. Control or change-over valve mechanism. 1,675,982; July 3.
- Lyans, Cecil K., Baldwin, N. Y., and A. H. Dunn, Du Bois, Pa. Phonograph. 1,676,101; July 3.
- Lyback, Peter J., Chicago, Ill. Clutch mechanism. 1,659,036; Feb. 14.
- Lycke, Nestor B. (See Larson, Albert G., assignor.)
- Lyda, Arthur W., North Canton, Ohio. Releasing hook. 1,675,896; July 3.
- Lyda, Arthur W., North Canton, assignor to The American Safety Navigation Company, Canton, Ohio. Davit for lifeboats. 1,691,245; Nov. 13.
- Lyddane, Mortimer C., Yonkers, assignor to L. Ottinger, New York, N. Y. Handle attaching means for door latches. 1,671,117; May 29.
- Lydon, Patrick C., assignor to Des Moines Silo & Manufacturing Company, Des Moines, Iowa. Agitator for feeders. 1,695,927; Dec. 18.
- Lyell, Joseph S. J. (See Monger, Clayton C., assignor.)
- Lynn, Andrew C. (See Morgan, Charles W., assignor.)
- Lynn, Andrew C., and C. W. Morgan, Chicago, Ill. Inserting or seating the outer races of ball bearings, bushings, and the like in machine housings. 1,675,568; July 3.
- Lyes, James, New York, N. Y. Trap for drains and sewers. 1,686,415; Oct. 2.
- Lyford, Chauncey A., East Aurora, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Sublimation apparatus. 1,661,070; Mar. 13.
- Lyhne, Anker S., Bridgeport, Conn. Flash light. 1,696,720; Dec. 25.
- Lyjak, Wladyslaw, Braddock, Pa. Necktie stretcher. 1,695,927; Dec. 18.
- Lykgas Auto Renewal System, Inc. (See McGee, Harry O., assignor.)
- Lykken, Henry G. (See Wilson, W. E., and Lykken.)
- Lykken, Henry G., Minneapolis, Minn. Kiln. 1,656,642; Jan. 17.
- Lykken, Henry G., Minneapolis, Minn. Constructing concrete surfaces. 1,679,535; Aug. 7.
- Lykken, Henry G., Minneapolis, Minn. Pulverizer. 1,680,894; Aug. 14.
- Lykken, Henry G., Minneapolis, Minn. Low-temperature distillation apparatus. 1,685,496; Sept. 25.
- Lyle, Andrew E., Hamilton, Ontario, Canada, assignor to Westinghouse Lamp Company. Cleaning up residual gases. 1,659,207; Feb. 14.
- Lyman, Albert T. (See Lyman, Howard F., assignor.)
- Lyman, Howard F., Mitchell, assignor of one-half to A. T. Lyman, Mount Vernon, S. Dak. Attachment for corn binders. 1,686,284; Oct. 2.
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,659,369; Feb. 14.
- Lyman, Kenneth E., assignor to Motor Industries, Inc., Chicago, Ill. Transmission. 1,668,163; May 1.
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake-applying means. 1,670,730; May 22.
- Lyman, Kenneth E., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,696,314; Dec. 25.
- Lyman, Kent E., Cleveland, Ohio. Spring-actuated lubricator. 1,664,936; Apr. 3.
- Lyman, Louis, Cleveland, Ohio. Toy boat. Des. 76,250; Sept. 4.
- Lyman, Ray J. (See Malloy, W. S., and Lyman.)
- Lymburner, Armand, Verdun, Quebec, Canada, assignor of one-half to J. J. Driscoll, Chicago, Ill. Car replacer. 1,680,895; Aug. 14.
- Lymeogene. (See Hally-Smith, Daniel, assignor.)
- Lynam, Thornton L., Dartmouth, Mass. Lemon squeezer. 1,676,102; July 3.
- Lynch, Charles J., San Francisco, Calif. Alarm mechanism. 1,685,329; Sept. 25.
- Lynch, Charles W., Perry, Okla., assignor to Pickering Lumber Company, Kansas City, Mo. Corner plate for derricks. 1,685,711; Sept. 25.
- Lynch, Ernest E., and M. E. Mitchell, Alameda, Calif., said Mitchell assignor to said Lynch. License-tag holder for motor vehicles. 1,674,406; June 19.
- Lynch, George B., Tucson, Ariz. Figure wheeled toy. 1,678,519; July 24.
- Lynch, George G. (See Tillery, L. B., and Lynch.)
- Lynch, Henry P. (See Clifford, P. J., Gibbs, and Lynch.)
- Lynch, James A., Los Angeles, Calif. Tie lug. 1,684,136; Sept. 11.
- Lynch, James H., jr. (See Patterson, J. C., and Lynch.)
- Lynch, John M., Oakville, and W. S. Gilmour, assignors to Blake & Johnson Company, Waterbury, Conn. Machine for feeding headed blanks. 1,687,134; Oct. 9.
- Lynch, John M., Oakville, and W. S. Gilmour, assignors to Blake & Johnson Company, Waterbury, Conn. Machine for feeding headed blanks. 1,692,456; Nov. 20.
- Lynch, Joseph H., Asbury Park, N. J. Laundry-checking device. 1,675,718; July 3.
- Lynch, Laurence P., Lansing, Mich. Sleet remover. 1,658,984; Feb. 7.
- Lynch, Patrick H., assignor to The John A. McKay Manufacturing Company, Inc., Dunn, N. C. Cotton planter. 1,688,934; Oct. 23.
- Lynch, William B., assignor to Arcadia Lubricator Company, Long Beach, Calif. Air-trapping device for lubricating cups. 1,675,036; June 26.
- Lynch, William H., Los Angeles, Calif. Rotary sand baller. 1,668,326; May 1.
- Lydon, Edward, New York, N. Y. Electric-battery container. 1,663,887; Mar. 27.
- Lynds, Fred H., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh machine. 1,666,745; Apr. 17.
- Lynds, Fred H., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh machine. 1,666,940; Apr. 24.
- Lynds, Mabel R., Long Beach, Calif. Juice extractor. 1,657,721; Jan. 31.
- Lyne, Frederick C., Westminster, London, and J. Etchells, Aston, Birmingham, assignors to Vickers Limited, Westminster, London, England. Automatic regulation in electric-lighting systems. 1,664,519; Apr. 3.
- Lynn, Edward W., Denver, Colo., assignor to The Consolidated Steel and Iron Company. Automatic weight control. 1,674,015; June 19.
- Lynn, Frederick E., Springdale, Pa. Grease extractor. 1,679,728; Aug. 7.
- Lynn, Frederick E., Springdale, Pa. Refrigerating system. 1,679,729; Aug. 7.
- Lynn, George L. (See Balke, C., and Lynn.)
- Lynn, Harry E. (See Vock, W. A., and Lynn.)
- Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,659,533; Feb. 14.
- Lynn, John P., assignor to Dur-O-Lite Pencil Company, Chicago, Ill. Pencil. 1,669,387; May 8.
- Lynn, John P., assignor to Autopoint Products Company, Chicago, Ill. Pencil. 1,684,635; Sept. 18.
- Lynn, Ralph B., La Salle, N. Y., assignor to National Carbon Company, Incorporated. Primary cell. 1,657,543; Jan. 31.
- Lynn, Robert C. (See McKeeney, Fred Y., assignor.)
- Lynn, Thomas H., Williamsport, Pa. Tire carrier. 1,664,754; Apr. 3.
- Lynton Wheel and Tyre Company. (See Smith, Robert T., assignor.)
- Lyon, Charles D., Oak Park, Ill. Sanding device for automobiles. 1,661,125; Feb. 28.
- Lyon, Charles D., Oak Park, assignor of one-half to M. A. Fredericks, Chicago, Ill. Portable garbage container. 1,671,832; May 29.
- Lyon, Charles E., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Heat-producing composition. 1,679,432; Aug. 7.
- Lyon, Charles H., Chicago, Ill. Smoke pipe. 1,658,728; Feb. 7.
- Lyon, Claude A., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,666,260; Apr. 17.
- Lyon, George A., Allenhurst, N. J., assignor, by mesne assignments, to American Chain Company, Inc. Bumper. 1,656,212; Jan. 17.
- Lyon, George A., Allenhurst, N. J., assignor, by mesne assignments, to American Chain Company, Inc. Duplex buffer construction. 1,687,376; Oct. 9.
- Lyon, Goffrey A., Miami, Fla., R. W. Erwin, Flushing, and G. W. Heise, Bayside, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Container for granular depolarizers and making the same. 1,670,585; May 22.

- Lyon, Gustave, assignor to Société Anonyme Pleyel, Paris, France. Mechanical construction of pianos. 1,687,984; Oct. 16.
- Lyon, Gustave, Paris, France. Apparatus for treating wood with ozone. 1,693,486; Nov. 27.
- Lyon, Harry, Brockton, assignor to J. A. Barbour, Brookline, and P. E. Barbour, Quincy, a copartnership doing business under the name of Barbour Welting Company, Brockton, Mass. Welting and making the same. 1,656,564; Jan. 17.
- Lyon, Harry, Brockton, assignor to J. A. Barbour, Brookline, and P. E. Barbour, a copartnership under the name of Barbour Welting Company, Brockton, Mass. Beaded welting. 1,656,565; Jan. 17.
- Lyon, Harry, Brockton, assignor to J. A. Barbour, Brookline, and P. E. Barbour, Quincy, doing business as Barbour Welting Company, Brockton, Mass. Welt and making the same. 1,687,459; Oct. 9.
- Lyon, Harry, assignor to Barbour Welting Company, Brockton, Mass. Beaded welting and method of making. 1,687,460; Oct. 9.
- Lyon, Harry, Brockton, assignor to J. A. Barbour, Brookline, and P. E. Barbour, Quincy, doing business as a copartnership under the name and style of Barbour Welting Company, Brockton, Mass. Welt and method of making. 1,695,967; Dec. 18.
- Lyon, Harry, Holbrook, assignor to P. E. Barbour, Quincy, doing business as Barbour Welting Company, Brockton, Mass., Beaded welting and making the same. 1,664,891; Apr. 3.
- Lyon, Harry, Holbrook, assignor to P. E. Barbour, Quincy, Mass. Welting. 1,687,461; Oct. 9.
- Lyon, Harry, Holbrook, assignor to P. E. Barbour, Quincy, Mass. Beaded welting. 1,687,462; Oct. 9.
- Lyon, Harry, Holbrook, assignor to P. E. Barbour, Quincy, Mass. Beaded welting. 1,695,968; Dec. 18.
- Lyon, Harry, Holbrook, assignor to P. E. Barbour, Quincy, Mass. Reverse welting and method of making. 1,695,969; Dec. 18.
- Lyon, Harry, Holbrook, Mass., assignor to P. E. Barbour, Quincy, Mass., doing business as Barbour Welting Company. Welting and making the same. 1,695,970; Dec. 18.
- Lyon & Healy, Inc. (See Healy, Marquette A., assignor.)
- Lyon, Henry H., deceased, Buffalo, N. Y.; H. L. Lyon, administrator. Electrical measuring instrument. 1,686,019; Oct. 2.
- Lyon, Henry L., administrator. (See Lyon, Henry H.)
- Lyon Metal Products, Incorporated. (See Gerberich, Clarence E., assignor.)
- Lyon, Robert H. (See Falkenwalde, Oscar, assignor.)
- Lions, Arthur C., Brantford, Ontario, Canada. Washing-machine wringer. 1,663,767; Mar. 27.
- Lions, Edward, assignor to Parke, Davis & Company, Detroit, Mich. Organic mercury compound. 1,663,204; Mar. 20.
- Lions, Edward, assignor to Parke, Davis & Company, Detroit, Mich. Organic mercury compound. 1,663,205; Mar. 20.
- Lions, Ellis C., Portland, Oreg. Vacuum head for casting machines. 1,669,767; May 15.
- Lions, George W., Oak Park, Ill. Radioconsole. Des. 74,613; Mar. 6.
- Lions, George W., Oak Park, Ill. Radioconsole. Des. 74,614; Mar. 6.
- Lions, George W., Oak Park, Ill. Sound-reproducing apparatus. Des. 74,615; Mar. 6.
- Lions, Harry C., Mount Vernon, N. Y. Fluid-measuring faucet. 1,693,719; Dec. 4.
- Lions, Harry C., Mount Vernon, N. Y. Measuring faucet. 1,693,720; Dec. 4.
- Lions, Harry J., assignor to Geneva Heater Company, Geneva, Ill. Automatic water heater. 1,663,559; Mar. 27.
- Lions, J., and Company. (See Coyte, William A., assignor.)
- Lions, James, jr., assignor to self and L. H. Schwabacher, trustees, New York, N. Y. Variable condenser. 1,684,964; Sept. 18.
- Lions, James W., Oak Park, Ill. Differential-power transmission device. 1,688,194; Oct. 16.
- Lions Manufacturing Company, The. (See Gregory, Ernest, assignor.)
- Lions, Michael J., Philadelphia, Pa. Tire filler. 1,681,357; Aug. 21.
- Lions, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Button-sewing machine. 1,654,593; Jan. 3.
- Lions, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Work support for button-sewing machines. 1,655,067; Jan. 3.
- Lions, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Button-sewing machine. 1,671,197; May 29.
- Lions, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Needle guard for sewing machines. 1,684,453; Sept. 18.
- Lions, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Button clamp for button-attaching machines. 1,686,528; Oct. 9.
- Lions, Robert L., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Button-sewing machine. 1,691,246; Nov. 13.
- Lysinger, William H. (See Fleetwood, C. A., and Lysinger.)
- Lyth, John J., Valleyfield, Quebec, Canada. Bleachery reel. 1,680,387; Aug. 14.
- Lytle, Robert W., assignor to The Formica Insulation Company, Cincinnati, Ohio. Silent gear and method of manufacture. 1,663,576; Apr. 17.
- Lytle, William O., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Glass-inspection apparatus. 1,671,772; May 29.
- Lytton, Walter, Chicago, Ill. Compensating means for oscillating radiocircuits. 1,670,586; May 22.
- M & H. Mfg. Co., The. (See Hood, Ralph O., assignor.)
- M S Co. (See Nittel, Frederick W., assignor.)
- Maag, August, Company, The. (See Will, A. J., and Feldman, assignors.)
- Maag Gear Wheel and Machine Company. (See Aepli, Albert, assignor.)
- Maag, Gustav C., Duisburg, Germany. Automatic coupling device for transmission of power. 1,686,827; Oct. 9.
- Maag, Max, Schwamendingen, near Zurich, Switzerland. Production of sounds. 1,681,546; Aug. 21.
- Maag, Max, Schwamendingen, Switzerland. Organ action. 1,681,547; Aug. 21.
- Maas, Arthur J., Madison, Wis. Screen means for automobiles. 1,681,300; Aug. 21.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Chafing-strip applicator. 1,665,889; Apr. 10.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tread-applying device. 1,669,620; May 15.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Control device. 1,673,521; June 12.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for unwrapping tubes. 1,683,787; Sept. 11.
- Maas, Elov F., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Aligning device. 1,691,772; Nov. 13.
- Maas, Frederick, assignor, by mesne assignments, to Natural Flower Metalizing Co., Inc., New York, N. Y. Incrusting galvanoplasty and the object produced thereby. 1,662,430; Mar. 13.
- Maas, Georg, Nuremberg, Germany. Sectional water-tube boiler. 1,657,266; Jan. 24.
- Maas, George H., assignor of one-half to S. Karger, Milwaukee, Wis. Safety feeding device for compression rolls. 1,660,678; Feb. 28.
- Maass, Arthur L. (See Hess, Edward C., assignor.)
- Maatschappij tot Beheer en Exploitatie van Octrooien. (See Bicheroux, Max, assignor.)
- Maatschappij tot Beheer en Exploitatie van Octrooien. (See von Reis, Lambert, assignor.)
- Mabag, The, Langenthal Machine Works, Limited. (See Müller-Zöllinger, Rudolf, assignor.)
- Mabbs, J. M. (See Blanchard, Julius M., assignor.)
- Mabbs, John W. (See Blanchard, Julius M., assignor.)
- Mabee, Alexander C. (See Diener, J. A., and Mabee.)
- Mabee, Charles R., Buffalo, N. Y., assignor to Mabee Patents Corporation, Dover, Del. Apparatus for producing livestock feeds. 1,671,118; May 29.
- Mabee, Charles R., Buffalo, N. Y., assignor to Mabee Patents Corporation, Dover, Del. Manufacture of livestock feeds. 1,693,611; Dec. 4.
- Mabee, Charles R., Buffalo, N. Y., assignor to Mabee Patents Corporation, Dover, Del. Manufacture of livestock feeds. 1,693,612; Dec. 4.
- Mabee, Elliott B., Brooklyn, N. Y. Dark-room developing unit. 1,671,477; May 29.
- Mabee, Elliott B., Brooklyn, N. Y. Mounting negatives for diagnoses. 1,680,299; Aug. 14.
- Mabee Patents Corporation. (See Mabee, Charles R., assignor.)
- Mabee, Clinton L., Providence, R. I. Battery-box clamp. 1,677,789; July 17.
- Mabey, Herbert S., assignor to Universal Oil Products Company, Chicago, Ill. Dephlegmator. 1,670,118; May 15.
- Macallen Company, The. (See McCarthy, Louis, assignor.)
- Macao-Walzenmühlen-Gesellschaft mit beschränkter Haftung. (See Bragard, Theodor, assignor.)
- Macartney, John H. (See Duisenberg, W., and Macartney.)
- MacAulay, William T., Brooklyn, assignor to The Carborundum Company, Niagara Falls, N. Y. Segmental grinding wheel. 1,663,310; Mar. 20.
- Macbeth, Bruce, Engine Company, The. (See Bassett, Alvin J., assignor.)
- Macbeth, Colin, Birmingham, assignor to The Dunlop Rubber Company, Limited, Regents Park, London, England. Machine for making pneumatic-tire covers or casings. 1,657,267; Jan. 24.
- Macbeth-Evans Glass Company. (See Langenbaker, Sylvester A., assignor.)
- Macbeth-Evans Glass Company. (See Lissfelt, Harry L., assignor.)
- Macbeth-Evans Glass Company. (See Sloan, Theodore H., assignor.)
- Macbeth, Harry G. (See Cunningham, E. L., and Macbeth.)
- Macallum, James, jr., University City, Mo. Maintaining constant volume in the air chamber of liquid-quantity indicating devices. 1,673,520; June 12.

- Maccallum, James, jr., St. Louis, Mo. Quantity indicator for liquids. 1,673,753; June 12.
- MacCallum, William A. F., Philadelphia, Pa. Golf practice device. 1,669,204; May 8.
- MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Doormat. 1,674,833; June 26.
- MacChesney, Chester M., and R. H. Norton, assignors to Acme Steel Company, Chicago, Ill. Electric welding machine. 1,694,512; Dec. 11.
- MacChesney, Harold S., assignor to American Car and Foundry Company, New York, N. Y. Producing clutch drums. 1,665,375; Apr. 10.
- MacClain, Edwin K., Houston, Tex. Sand wedge. 1,695,598; Dec. 18.
- MacClatchie, John W., Compton, Calif. Coupling. 1,685,459; Sept. 25.
- MacClatchie, John W., Compton, Calif. Piston packing. 1,686,090; Oct. 2.
- Macdonald, Alexander, Inverell, New South Wales, Australia. Shoe-cleaning device for use on motor cars. 1,693,305; Nov. 27.
- Macdonald, Angus S., Great Neck, N. Y., and C. C. Waite, Roselle Park, assignors to Snead & Company, Jersey City, N. J. Electrical heating apparatus. 1,671,300; May 29.
- Macdonald, Angus S., Great Neck, N. Y., and C. C. Waite, Roselle Park, assignors to Snead & Company, Jersey City, N. J. Electrical heating apparatus and method. 1,679,730; Aug. 7.
- Macdonald, Angus S., Great Neck, N. Y., assignor to Snead & Company. Heat treatment of metals. 1,695,433; Dec. 18.
- MacDonald, Archie A., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Rolling milling tool. 1,666,711; Apr. 17.
- Macdonald, Benjamin J., et al. (See Cabrera, Charles T., assignor.)
- MacDonald, Clayton F., Asheville, N. C. Hydraulic vacuum cleaning device. 1,678,258; July 24.
- MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding leather. 1,661,571; Mar. 6.
- MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding. 1,661,572; Mar. 6.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Container. 1,658,205; Feb. 7.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for shaping plastic material. 1,658,564; Feb. 7.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for forming articles of plastic material. 1,658,565; Feb. 7.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for molding articles. 1,658,566; Feb. 7.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making formed articles from moldable material. 1,658,567; Feb. 7.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making footwear. 1,663,456; Mar. 20.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making footwear. 1,663,457; Mar. 20.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Lasting machine. 1,663,458; Mar. 20.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Lasting machine. 1,663,459; Mar. 20.
- MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making footwear. 1,663,460; Mar. 20.
- MacDonald, Frank J., Ellet, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manipulating device for sheet material. 1,663,461; Mar. 20.
- MacDonald, Frank J., Ellet, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for forming shoe linings or the like. 1,663,462; Mar. 20.
- Macdonald, John K., Ridgewood, assignor to Hittings & Company, Elizabeth, N. J. Greenhouse. 1,675,719; July 3.
- Macdonald, John N., Wethersfield, Conn., assignor to H. St. Pierre, Worcester, Mass. Tire-chain tool. 1,658,995; Feb. 14.
- Macdonald, Laurie S., and J. E. Small, Brockton, Mass. Boot and shoe. 1,678,739; July 31.
- MacDonald, Lester S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming unattached heels. 1,687,576; Oct. 16.
- Macdonald, Maynard F., Victoria, British Columbia, Canada, assignor to Jupiter Spark Plug Company, Seattle, Wash. Spark plug. 1,659,037; Feb. 14.
- Macdonald, Murdock, Cleveland, Ohio. Autographic register. 1,674,016; June 19.
- Macdonald, Rob R., New York, assignor of one-half to L. O. Smith, Brooklyn, N. Y. Connector. 1,667,435; Apr. 24.
- MacDonald, William, Dennison, Ohio. Inking attachment. 1,688,281; Oct. 16.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Receiving system. 1,660,930; Feb. 28.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Electron-discharge device. 1,677,355; July 17.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Amplifying system. 1,680,424; Aug. 14.
- MacDonald, William A., Little Neck, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Electron-discharge device. 1,683,202; Sept. 4.
- MacDonald, William W., Chicopee, Mass. Sport ball. 1,662,527; Mar. 13.
- MacDonell, James A., Lima, Ohio. Well-drilling apparatus. 1,660,999; Feb. 28.
- MacDougall, Alexander, Baker, Oreg. Display container. 1,660,876; Feb. 28.
- MacDougall, Ernest E. (See Bultman, Charles E., assignor.)
- MacDougall, Harold, Maplewood, and W. G. Kendall, Newark, N. J. Magazine buffer. 1,685,333; Sept. 25.
- MacDowell, Charles H., Chicago, Ill., and H. H. Meyers, Pittsburgh, Pa., assignors to Armour Fertilizer Works, Chicago, Ill. Production of sulphur dioxide and hydrogen. 1,693,244; Nov. 27.
- MacFarland, Allis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic welding apparatus. 1,689,882; Oct. 30.
- MacFarland, Allis M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic electric welding apparatus. 1,695,694; Dec. 18.
- MacFarland, Florence, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating device. 1,657,479; Jan. 31.
- MacFarlane, John, Riverside, Calif. Clothes drier. 1,695,151; Dec. 11.
- Macfarren, Walter W., Pittsburgh, Pa. Chain hydraulic mining machine. 1,682,296; Aug. 28.
- Macfie, William L. (See Andrew, N. P., Macfie, and Rose.)
- MacGahan, Paul, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,687,624; Oct. 16.
- MacGahan, Paul, Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Instrument structure. 1,685,951; Oct. 2.
- MacGregor, B. L. (See Vaile, Pembroke A., assignor.)
- MacGregor, Halbert P., Clayton, assignor to MacGregor Valve Company, St. Louis, Mo. Lubricated plug valve. 1,677,525; July 17.
- MacGregor, Peter G., Pequannock, assignor to Pyrene Manufacturing Company, Newark, N. J. Relief valve for fire-extinguisher pumps. 1,667,262; Apr. 24.
- MacGregor, Peter G., Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,688,195; Oct. 16.
- MacGregor Valve Company. (See MacGregor, Halbert P., assignor.)
- Macgregor, Wallace, Berkeley, Calif. Portable folding fire-monitor stand. 1,674,693; June 26.
- MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Combination harvester thrasher. 1,662,431; Mar. 13.
- MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Combination harvester thrasher. 1,686,828; Oct. 9.
- MacGregor, Wallace F., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Combination cotton harvester. 1,689,443; Oct. 30.
- MacGuire, Elmer E., Anaconda, Mont. Traction lug for vehicles. 1,676,453; July 10.
- Mach, Frank C., Dillonvale, Ohio. Fountain comb. 1,667,631; Apr. 24.
- Machin, William A. (See Lane, F., and Machin.)
- Machlet, Adolf W., Elizabeth, N. J. Cloth-singeing apparatus. 1,655,233; Jan. 3.
- Machlett, Raymond R., New York, N. Y., assignor to Rainbow Light, Inc. Argon-mercury discharge tube. 1,680,271; Aug. 7.
- Machlett Raymond R., New York, assignor to Rainbow Light, Inc. Long Island City, N. Y. Luminous tube and manufacturing the same. 1,680,272; Aug. 7.
- Machlett, Raymond R., New York, N. Y., assignor to Rainbow Light, Inc. Neon tube. 1,689,146; Oct. 23.
- Machris, Alfred P., Los Angeles, Calif. Oil-well packer. 1,692,181; Nov. 20.
- Machtolf, Josef, assignor to the firm Chr. Hostmann-Steinberg'sche Farbenfabriken G. m. b. H., Celle, Germany. Valve. 1,658,810; Feb. 14.
- MacIldowie, John C., assignor to Asbestos Wood & Shingle Co., Nashua, N. H. Finishing the surfaces of bonded asbestos and the like and resulting product. 1,695,253; Dec. 11.
- MacIndoe, John F., East Falls, Pa. Lubricator. 1,675,189; June 26.
- MacIndoe, John F., Philadelphia, Pa. Grease cup. 1,686,241; Oct. 2.
- MacInerney, J. L. (See Chesley, Frank P., assignor.)
- MacInerney, James L. (See Kellar, Francis A., assignor.)
- MacInerney, James L., Grand Rapids, Mich. Spring mat for upholstered articles. 1,683,684; Sept. 11.

- MacInerney, James L., Grand Rapids, Mich. Spring mat for upholstered articles. 1,683,685; Sept. 11.
- MacInerney, James L., Grand Rapids, Mich. Machine for placing springs in fabric pockets. 1,685,851; Oct. 2.
- Mack, Carl, assignor, by mesne assignments, to S. Bonat and H. Bonat, constituting the firm of Samuel Bonat & Bro., New York, N. Y. Hair winder. 1,676,402; July 10.
- Mack, David F., Winnipeg, Manitoba, Canada. Price-indicating machine. 1,663,168; Mar. 20.
- Mack, George K., and W. J. Berryman, Edenton, N. C. Metal drain for roadways. 1,655,321; Jan. 3.
- Mack, John R., Caldwell, N. J., assignor to Quigley Furnace Specialties Company, Inc. Apparatus for spraying plastic or comminuted materials. 1,668,080; May 1.
- Mack, Joseph, assignor to Elias Reiss and Company, New York, N. Y. Textile fabric. Des. 74,271; Jan. 17.
- Mack, Joseph, assignor to Elias Reiss and Company, New York, N. Y. Textile fabric. Des. 74,796; Mar. 27.
- Mack, Joseph, assignor to Elias Reiss and Company, New York, N. Y. Textile fabric. Des. 74,797; Mar. 27.
- Mack, Joseph, assignor to Elias Reiss and Company, New York, N. Y. Textile fabric. Des. 75,574; June 19.
- Mack, Maggie. (See Mack, Sebastian, assignor.)
- Mack, Martin, assignor to Cannstatter Misch- und Knetmaschinen-Fabrik, Cannstatter Dampf-Backofen-Fabrik, Werner & Pfleiderer, Cannstatt-Stuttgart, Germany. Safety appliance for hydraulic accumulators. 1,679,433; Aug. 7.
- Mack, Mortimer J., Summit, N. J. Imparting a wool finish to cotton cloth. 1,689,208; Oct. 30.
- Mack, Perry E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Governor for motors. 1,660,079; Feb. 21.
- Mack, Richard, Berlin-Templehof, Germany. Electric spot-welding machine. 1,663,137; Mar. 20.
- Mack, Sebastian, assignor to M. Mack, Minneapolis, Minn. Signal for automobiles. 1,663,715; Mar. 27.
- Mackall, Kenneth W. (See Buchanan, F., and Mackall.)
- MacKay, George, Hollywood, Calif. Tent attachment for vehicles. 1,659,825; Feb. 21.
- MacKay, Robert G., Chicago, Ill. Fireplace. 1,671,434; May 29.
- MacKean, Emroe A., Saugus, Mass. Throttle control for automobiles. 1,664,479; Apr. 3.
- Mackenzie, Alexander S., assignor to Clayton Gin Compress Company, Houston, Tex. Speed-changing mechanism. 1,673,838; June 19.
- Mackenzie, Donald, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Photographic-printing machine. 1,668,856; May 8.
- Mackenzie, Donald G., Montreal, Quebec, Canada. Vehicle frame. 1,676,342; July 10.
- Mackenzie, Donald G., assignor to Johnson & Johnson, New Brunswick, N. J. Strip diaper. 1,674,600; June 19.
- Mackenzie, Duncan G., Ilford, England. Brick-molding machine. 1,672,619; June 5.
- Mackenzie, Fred L. (See Goddu, G., and Mackenzie.)
- Mackenzie, Fred L. (See Spinney, C. N., and Mackenzie.)
- Mackenzie, Fred L., of Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,675,569; July 3.
- Mackenzie, John, assignor of one-half to W. Heynacher, Minneapolis, Minn. Gas burner. 1,688,641; Oct. 23.
- Mackenzie, John, assignor of one-half to W. Heynacher, Minneapolis, Minn. Gas producing and heating appliance. 1,695,854; Dec. 18.
- Mackenzie, Katherine M., assignor to J. S. Berliner, New York, N. Y. Toilet preparation. 1,687,625; Oct. 16.
- Mackenzie, Kenneth. (See Blood, Burr B., assignor.)
- Mackenzie, Roderick A., Dishman, Wash. Grading machine. 1,663,257; Mar. 20.
- Mackenzie, Roy J., and L. L. Haas, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 1,683,084; Sept. 4.
- Mackenzie, William A., assignor to Mathews Brothers, Los Angeles, Calif. Battery seal. 1,673,463; June 12.
- Mackeown, Samuel S., Ithaca, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-wave producer. 1,687,220; Oct. 9.
- Mackert, Albert A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose-coupling gasket. 1,685,852; Oct. 2.
- Mackert, Charles, St. Anthony, Idaho. Pulley attachment. 1,683,562; Sept. 4.
- Mackey, Gaylord G., assignor of one-half to A. Loosli, Detroit, Mich. Test indicator. 1,668,857; May 8.
- Mackey, James C., Paterson, N. J., and J. S. Kaufman, New York, assignors of one-third to V. Lansingh, Pelham, N. Y. Treating silk. 1,666,501; Apr. 17.
- Mackey, Leland. (See Barnard, T. V., and Mackey.)
- Mackey, Leonard. (See Barnard, T. V., and Mackey.)
- Mackey, Ray. (See Barnard, T. V., and Mackey.)
- MacKey, Washington O., Sodertalle, Sweden. Mud protector for automobiles and the like. 1,669,138; May 8.
- Mackie, George O., J. S., and J. C., Winnipeg, Manitoba, Canada. Combination luggage carrier, table, and bench. 1,684,039; Sept. 11.
- Mackie, James C. (See Mackie, George O., J. S., and J. C.)
- Mackie, James, and Sons, Limited. (See Mackie, John P., assignor.)
- Mackie, John P., commonly known as Jack P. Mackie, assignor to James Mackie and Sons, Limited, Belfast, Ireland. Doffing mechanism for spinning, twisting, and like machines. 1,695,659; Dec. 18.
- Mackie, John S. (See Mackie, George O., J. S., and J. C.)
- Mackie, Mitchell, Waukesha, Wis. Internal-combustion engine. 1,674,290; June 19.
- Mackie, Mitchell, Waukesha, assignor to Mitchell Mackie Company, Milwaukee, Wis. Carburetor attachment. 1,663,804; Mar. 27.
- Mackie, William, Glasgow, Scotland. Roll for sugar cane and like mills. 1,667,632; Apr. 24.
- Mackin, Charlotte K. (See Mackin, James F., assignor.)
- Mackin, James F., assignor to C. K. Mackin, Chicago, Ill. Hatch cover. 1,692,782; Nov. 20.
- MacKinnon, Daniel G., Pleasantville, N. J. Pad for artificial teeth and preparing same. Re16,962; May 15.
- Mackintosh, Eric V., New Malden, and C. French, Hampton Wick, Kingston-on-Thames, England. Diaphragm for telephone instruments. 1,696,807; Dec. 25.
- Mackintosh, Frederick, Schenectady, N. Y., assignor to General Electric Company. Electric terminal equipment. 1,693,303; Nov. 27.
- Mackie, John H., Watervliet, N. Y. Lubricating oil. 1,677,244; July 17.
- Mackres, Vasilios S., Brockton, Mass. Glass washer. 1,681,003; Aug. 14.
- MacLagan, Hector P., Oak Park, assignor to McIntosh Electrical Corporation, Chicago, Ill. Infra-red-ray generator. 1,688,124; Oct. 16.
- MacLagan, Hector P., Oak Park, assignor to McIntosh Electrical Corporation, Chicago, Ill. Clock-controlled switch. 1,693,721; Dec. 4.
- MacLaren Electric Appliance Corporation, The. (See MacLaren, Frederick B., assignor.)
- MacLaren, Fred B., Malba, assignor to C. H. Braselton, New York, N. Y. Separating material. 1,657,405; Jan. 24.
- MacLaren, Fred B., Jamaica, assignor to C. H. Braselton, New York, N. Y. Pump-modifying mechanism for fuel-feeding devices. 1,676,038; July 3.
- MacLaren, Frederick B., Jamaica, assignor to The MacLaren Electric Appliance Corporation, New York, N. Y. Refrigerating machine. 1,673,153; June 12.
- MacLaren, James G., Mamaroneck, N. Y. Electrically-controlled dumb-waiter. 1,683,391; Sept. 4.
- MacLean, J. Showles. (See Segar, Adolph M., assignor.)
- MacLean, Leonard A., Reading, Mass. Machine for patching shipping tags, etc. 1,691,773; Nov. 13.
- MacLean, William G., Jr., Arnprior, Ontario, Canada. Animal-mouth tongs. 1,694,713; Dec. 11.
- MacLean, William J., Bridgewater, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on the soles of boots and shoes. 1,659,147; Feb. 14.
- MacLeod, Charles E. (See Lapworth, Charles A., assignor.)
- MacLeod, Daniel T., assignor to Perfex Corporation, Racine, Wis. Radiator. 1,694,352; Dec. 4.
- MacLeod, Donald K., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Forming machine for plastic materials. 1,664,178; Mar. 27.
- Macloskie, George, Erie, Pa., assignor to General Electric Company. Fluid-pressure brake. 1,661,839; Mar. 6.
- Macloskie, George, and C. A. Ives, Erie, Pa., assignors to General Electric Company. Car-door-control equipment. 1,683,142; Sept. 4.
- MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Hypochlorite composition. 1,678,987; July 31.
- MacMicking, William P., St. Paul, Minn. Automobile signal. 1,671,732; May 29.
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Power system. 1,655,469; Jan. 10.
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,655,470; Jan. 10.
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Power system. 1,667,633; Apr. 24.
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. System of electric ship propulsion. 1,684,236; Sept. 11.
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Power system. 1,689,493; Oct. 30.
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Power system. 1,689,532; Oct. 30.
- MacMillan, Daniel J., Brooklyn, N. Y. Pneumatic-dispatch carrier. 1,679,223; July 31.
- MacMillan, Harry, Philadelphia, Pa. Safety check valve. 1,669,007; May 8.
- MacMillan, Harry, assignor to National Metal Products Company, Philadelphia, Pa. Lavatory fixture. Re16,913; Mar. 20.
- MacNeill, John B., Wilkinsburg, and A. H. Bakken and C. A. Tucker, Edgewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,686,706; Oct. 9.

- Macomb Manufacturing Company. (See Wright, Charles R., assignor.)
- Macomber, James K., West New York, N. J. Sausage-linking machine. 1,674,785; June 26.
- Macomber, Lynn W., assignor to United Steel and Wire Co., Battle Creek, Mich. Bottle crate. 1,690,418; Nov. 6.
- Macomber, Stanley, Massillon, assignor to The Macomber Steel Company, Canton, Ohio. Rocking structural brace. 1,662,197; Mar. 13.
- Macomber, Stanley, Massillon, Ohio, assignor to The Macomber Steel Company, Canton, Ohio. Structural unit. 1,669,095; May 8.
- Macomber, Stanley, Massillon, assignor to The Macomber Steel Company, Canton, Ohio. Bank-vault reenforcing. 1,669,988; May 15.
- Macomber, Stanley, Massillon, assignor to The Macomber Steel Company, Canton, Ohio. Making fireproof floor construction. 1,670,462; May 22.
- Macomber, Stanley, Massillon, assignor to The Macomber Steel Company, Canton, Ohio. Structural element. 1,678,738; July 31.
- Macomber, Stanley, Massillon, assignor to The Macomber Steel Company, Canton, Ohio. Bar-bending machine. 1,683,366; Sept. 4.
- Macomber, Stanley, Massillon, assignor to The Macomber Steel Company, Canton, Ohio. Bar-bending machine. 1,687,776; Oct. 16.
- Macomber, Stanley, Edgefield District, assignor to The Macomber Steel Company, Canton, Ohio. Post. 1,675,188; June 26.
- Macomber Steel Company, The. (See Macomber, Stanley, assignor.)
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Stuffing-box construction for pumps. 1,670,368; May 22.
- MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Damper. 1,670,369; May 22.
- Macpherson, Thomas G., et al. (See Kaser, Walter I., assignor.)
- MacQuaid, John. (See Ross, C., and MacQuaid.)
- MacRae, James N. (See Fesler, M. A., and MacRae.)
- Macrae, James N., Stamford, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 1,673,290; June 12.
- Macrae, James N., Jersey City, N. J., assignor to Petroleum Heat and Power Company, New York, N. Y. Oil burner. 1,682,531; Aug. 28.
- MacRae, Malcolm, Long Beach, Calif. Swimmer's paddle. 1,658,730; Feb. 7.
- MacRae, Thomas, Florence, Ariz. Making and delivering quantitative mixtures. 1,663,206; Mar. 20.
- Macripio, Domenic, Hazleton, Pa. Meat-cutting board. 1,693,761; Dec. 4.
- Macristy, Walter, New Britain, assignor to Keeney Manufacturing Company, Newington, Conn. Floor or ceiling plate. 1,675,983; July 3.
- MacTaggart, Andrew M. (See Owen, Dudley, assignor.)
- MacVeigh, John G., and P. B. Collins, Omaha, Nebr. Building tile. 1,687,342; Oct. 9.
- Macway, Ignace, Brussels, Belgium. Lubricating device for axle boxes. 1,678,294; July 24.
- MacWilliams, James F., Cresson, Pa. Apparatus for testing coils. 1,676,195; July 3.
- Macy, Barnett W., assignor to The Commercial Clearing Corporation, Jacksonville, Fla. Heating device. 1,690,986; Nov. 6.
- Macy, R. H., and Co., Inc. (See Wilmot, Ruth, assignor.)
- Madden, Charles L. (See Affleck, T. H., and Madden.)
- Madden, Daniel D., Portland, Ore. Imprinting device. 1,666,029; Apr. 10.
- Madden, Daniel D., Portland, Ore. Imprinted paper. 1,666,030; Apr. 10.
- Madden, Daniel D., assignor to Pacific Northwest Paper Mills, Inc., Portland, Ore. Producing imprinted paper. 1,666,031; Apr. 10.
- Madden, James P., Bethlehem, Pa., assignor to Bethlehem Steel Company. Gearing mechanism. 1,686,020; Oct. 2.
- Madden, James P., assignor to Bethlehem Steel Company, Bethlehem, Pa. Metal tank-joint construction. 1,687,343; Oct. 9.
- Madden, James P., and R. E. Wilder, Bethlehem, Pa., assignors to Bethlehem Steel Company. Tank car. 1,661,000; Feb. 28.
- Madden, James P., and R. E. Wilder, Bethlehem, Pa., assignors to Bethlehem Steel Company. Tank car. 1,661,001; Feb. 28.
- Madden, Jeremiah E. (See Pomeroy, T. C., and Johnson, assignors.)
- Madden, Mary M., St. Louis, Mo. Garbage-can-cover holder. 1,672,819; June 5.
- Maddock & Miller, Inc. (See Miller, John M., assignor.)
- Maddy, Edward, Wichita, Kans. Stabilizer. 1,672,820; June 5.
- Made-Ready Plate Corporation. (See Lund, George H., assignor.)
- Mader, Joseph, assignor, by mesne assignments, to New Beeman Tractor Company, Minneapolis, Minn. Clutch. 1,663,015; Mar. 20.
- Madge, Norman G., Providence, R. I., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Paving construction. 1,673,630; June 12.
- Madigan, Thomas J., Brooklyn, N. Y. Current-controlling device. 1,659,779; Feb. 21.
- Madigan, Thomas J., Brooklyn, N. Y. Eraser. 1,675,570; July 3.
- Madigan, Thomas J., Brooklyn, N. Y. Thermoelectric control device. 1,683,252; Sept. 4.
- Madison, Benjamin F., and E. C. Krume, Council Bluffs, Iowa. Feed-water-heating system. 1,684,965; Sept. 18.
- Madison, Charles W. (See Armbruster, A. L., and Madison.)
- Madison, Harry, Council Bluffs, Iowa. Bath-curtain support. 1,684,284; Sept. 11.
- Madison-Kipp Corporation. (See Coles, Wilfred G., assignor.)
- Madland, Gabriel. (See Tobin, K. J., Wasberg, and Madland.)
- Madsen, Christen P., Los Angeles, Calif. Interlocking sectional sheet-metal construction. 1,674,908; June 26.
- Madsen, Fred T., Forest Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Testing equipment for automatic telephone systems. 1,679,316; July 31.
- Madsen, George E., Weston, Iowa. Train-order-hoop holder. 1,696,279; Dec. 25.
- Madsen, Gustav N., Minneapolis, Minn. Electrical heating system. 1,655,277; Jan. 3.
- Madsen, Gustav N., Minneapolis, Minn. Velocipede. 1,690,342; Nov. 6.
- Madsen, Hans C., Milwaukee, Wis. Toy jig saw. 1,694,070; Dec. 4.
- Madsen, Mads, Minneapolis, Minn. Device for use in leveling concrete. 1,668,858; May 8.
- Madsen, Martin, Monterey Park, Calif. Pug mill. 1,662,120; Mar. 13.
- Madsen, Martin, Monterey Park, Calif. Oil and gas burner. 1,663,667; Mar. 27.
- Madsen, Ralph L., Persia, Iowa. Clinching tool for wire clips. 1,669,096; May 8.
- Madsen, Sern, Clinton, Iowa. Machine for sanding window sashes. 1,669,939; May 15.
- Madsen, Sern, assignor to Curtis Companies, Inc., Clinton, Iowa. Universal carving machine. 1,674,602; June 19.
- Madsen, Soren, Astoria, N. Y. Fare register. 1,660,799; Feb. 28.
- Madsen, Tage, Gottenborg, Sweden. Piston ring. 1,667,941; May 1.
- Madson, Leo A., Elk River, Minn. Radio loud speaker. 1,655,910; Jan. 10.
- Madson, Nels, Coeur d'Alene, Idaho. Scraper. 1,680,156; Aug. 7.
- Madvig, Gunnar, Oakland, Calif. Center ornament for drapery poles and rods. Des. 75,440; June 5.
- Madvig, Gunnar, Oakland, Calif. Bracket for drapery pole or rod. Des. 75,503; June 12.
- Madvig, Gunnar, Oakland, Calif. Center ornament for drapery poles and rods. Des. 75,855; July 24.
- Madvig, Gunnar, Oakland, Calif. Center ornament for drapery poles and rods. Des. 75,856; July 24.
- Madvig, Gunnar, Oakland, Calif. Center ornament for drapery poles and rods. Des. 75,857; July 24.
- Madvig, Gunnar, Oakland, Calif. Bracket for drapery pole or rod. Des. 75,923; July 31.
- Madvig, Gunnar, Oakland, Calif. Bracket for drapery pole or rod. Des. 75,924; July 31.
- Madvig, Gunnar, Oakland, Calif. Bracket for drapery pole or rod. Des. 75,925; July 31.
- Madvig, Gunnar, Oakland, Calif. End for drapery poles or rods. Des. 75,977; Aug. 7.
- Madvig, Gunnar, Oakland, Calif. Center ornament for drapery poles or rods. Des. 76,026; Aug. 14.
- Madvig, Gunnar, Oakland, Calif. Center ornament for drapery poles or rods. Des. 76,027; Aug. 14.
- Madvig, Gunnar, Oakland, Calif. End ornament for drapery poles and rods. Des. 76,144; Aug. 21.
- Madvig, Gunnar, Oakland, Calif. End ornament for drapery poles and rods. Des. 76,145; Aug. 21.
- Madvig, Gunnar, Oakland, Calif. End ornament for drapery poles and rods. Des. 76,146; Aug. 21.
- Madvig, Gunnar, Oakland, Calif. Metal holdback for curtains and draperies. Des. 76,197; Aug. 28.
- Madvig, Gunnar, Oakland, Calif. Bracket for drapery pole or rod. Des. 76,546; Oct. 9.
- Machren, George, New Monterey, assignor of one-half to R. Elio, Monterey, Calif. Striking and boring mechanism. 1,661,666; Mar. 6.
- Maennlein, Max, Vienna, Austria. Metallic playing card. 1,684,372; Sept. 11.
- Maerten, Christian, assignor to Artizan Factories, Inc., North Tonawanda, N. Y. Mechanical musical instrument. 1,660,172; Feb. 21.
- Maerz, Frederick K., assignor to B. F. Klein, doing business as The Kayline Co., Cleveland, Ohio. Lamp shade. Des. 74,314; Jan. 24.
- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,575; June 19.
- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,576; June 19.
- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,577; June 19.
- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,578; June 19.
- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,579; June 19.

- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,580; June 19.
- Maerz, Frederick K., assignor to The Kayline Company, Cleveland, Ohio. Lighting fixture or similar article. Des. 75,581; June 19.
- Maescher, Albert, assignor of one-half to H. J. Wrape, St. Louis, Mo. Ironing machine. 1,671,035; May 22.
- Maestro, Giovanni, New Kensington, Pa. Cheese-grating machine. 1,661,076; Feb. 28.
- Magann, Merritt W., assignor to St. Louis Steel Ball Corporation, St. Louis, Mo. Ball-forming machine. 1,695,195; Dec. 11.
- Magazine Repeating Razor Company. (See Shick, Jacob, assignor.)
- Magaziner, Frank, Springfield, Mass. Bread-roll press. 1,680,463; Aug. 14.
- Magazzini, John, New York, and F. J. Dowd, Suffern, N. Y. Faucet. 1,688,391; Oct. 23.
- Magdeburger, Edward C., Washington, D. C. Internal-combustion engine. 1,664,782; Apr. 3.
- Magee, Frederick W., assignor of one-half to T. W. Baker, London, Ontario, Canada. Eyeshield for motorists. 1,659,324; Feb. 14.
- Magee, George R. (See Butner, William R., assignor.)
- Magee, William H., assignor to Fostoria Glass Co., Moundsville, W. Va. Candy jar. Des. 74,443; Feb. 14.
- Magee, William H., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. Des. 76,878; Nov. 13.
- Magee, William H., assignor to Fostoria Glass Company, Moundsville, W. Va. Bowl. Des. 76,879; Nov. 13.
- Magee, William H., assignor to Fostoria Glass Company, Moundsville, W. Va. Candlestick. Des. 76,880; Nov. 13.
- Magee, William H., assignor to Fostoria Glass Co., Moundsville, W. Va. Display stand. 1,680,226; Aug. 7.
- Magerstadt, E. J. (See Hartwig, William G., assignor.)
- Maggi, Sabatino, Passaic, N. J. Dipping and painting machine. 1,681,301; Aug. 21.
- Maggio, Henry D., assignor of one-half to G. R. Roberts, Los Angeles, Calif. Dishwashing machine. 1,657,310; Jan. 24.
- Maggiore, Ernesto, Turin, Italy. Explosion-engine cylinder. 1,657,631; Jan. 31.
- Magic Coffee Company. (See Slocum, F. L., and Troutman, assignors.)
- Magic Device Corporation. (See Goodchild, W., and Sclar, assignors.)
- Magic Grain Dump Company. (See Hancock, W. G., and Stromswold, assignors.)
- Magic Hair Curler Company. (See Sexton, Augustus H., assignor.)
- Magid, Harry M., Chicago, Ill. Desk fountain-pen holder. 1,655,911; Jan. 10.
- Magid, Harry M., Chicago, Ill. Canopy for automobile windows. 1,692,457; Nov. 20.
- Magidson, Frank, Pittsburgh, Pa., assignor to Star Service Hanger Company, Detroit, Mich. Machine for manufacturing wire garment hangers. 1,695,603; Dec. 18.
- Magill, Donald G., Brooklyn, assignor to American Can Company, New York, N. Y. Milk-bottle closure and applying same. 1,664,635; Apr. 3.
- Magill, Donald G., Brooklyn, assignor to American Can Company, New York, N. Y. Fiber board for containers and the like. 1,676,617; July 10.
- Magill, Donald G., Brooklyn, assignor to American Can Company, New York, N. Y. Process and apparatus for forming grease-proof fiber containers. 1,689,593; Oct. 30.
- Magill, John, Milford, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Beam lock for looms. 1,658,492; Feb. 7.
- Magill, Paul L., and P. J. Carlisle, Niagara Falls, assignors to The Roessler & Hasslacher Chemical Co., New York, N. Y. Manufacture of hydrocyanic acid from formamide. 1,675,366; July 3.
- Magill, Urwin J., Rye, N. Y. Areaway construction. 1,695,810; Dec. 18.
- Magill-Weinsheimer Company. (See Backmyer, Christopher F., assignor.)
- Magn, John, South Milwaukee, Wis. Boring bar. 1,659,370; Feb. 14.
- Magna, Joao, New Bedford, Mass. Harness-operated stop-motion device for looms. 1,664,520; Apr. 3.
- Maginnis, William J., assignor to Royal Electryte Company, Philadelphia, Pa. Plate and preparation of plate for electrolyzing. 1,676,653; July 10.
- Magis, Auguste A. G., Paris, France, assignor to The Superheater Company, New York, N. Y. Joining pipes. 1,678,740; July 31.
- Magnavox Company, The. (See Albertus, Carl R., assignor.)
- Magnavox Company, The. (See Greaves, Valentine F., assignor.)
- Magnavox Company, The. (See Metcalf, Herbert E., assignor.)
- Magnavox Company, The. (See Metcalf, H. E., and Greaves, assignors.)
- Magnavox Company, The. (See Pridham, E. S., and Lippincott, assignors.)
- Magnavox Company, The. (See Schoenfeld, Joseph, assignor.)
- Magnet Knitting Mills. (See Toms, W. P., and Fowler, assignors.)
- Magnétas Lucifer Société Anonyme. (See Pattay, M. A., and Jaquemot, assignors.)
- Magnetic Analysis Corporation. (See Berlowitz, Max E., assignor.)
- Magnetic Analysis Corporation. (See Burrows, Charles W., assignor.)
- Magnetic Analysis Corporation. (See Imes, Elmer S., assignor.)
- Magnetic Mfg. Co. (See Stearns, Roswell H., assignor.)
- Magnetic Separator Company. (See Bethke, John P., assignor.)
- Magnet-Werk G. m. b. H. Eisenach, Spezialfabrik für Elektromagnet-Apparate. (See Bing, Julius, assignor.)
- Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate. (See Phillipp, Richard, assignor.)
- Magni, Karl G., Linköping, assignor to Aktiebolaget Baltic, Stockholm, Sweden. Audible speed indicator. 1,678,402; July 24.
- Magnin, Pierre, Paris, France. Siphon. 1,661,699; Mar. 6.
- Magnus Company. (See Croft, W. H., and Shoemaker, assignors.)
- Magnus Fruit Products Co. (See Leibing, William E., assignor.)
- Magnus, Philip, Leichhardt, near Sydney, New South Wales, Australia. Manufacture of artificial leather. 1,694,129; Dec. 4.
- Magnussen, Erik, assignor to Gorham Mfg. Co., Providence, R. I. Plate or similar article. Des. 77,108; Dec. 4.
- Magnussen, Erik, assignor to Gorham Mfg. Co., Providence, R. I. Bowl or similar article. Des. 77,109; Dec. 4.
- Magrath, Arthur C. (See Booth, W. T., and Magrath.)
- Magrath, George H., assignor to Whitin Machine Works, Whitinsville, Mass. Thread guide for spinning and twisting machines. 1,665,063; Apr. 3.
- Magrath, George H., assignor to Whitin Machine Works, Whitinsville, Mass. Tool for removing waste from spindles. 1,665,064; Apr. 3.
- Magrath, Homer A. (See Van Brimer, G., Magrath, Klancher, and Soots.)
- Magrisso, Rafael, New York, N. Y. Soldering iron. 1,664,367; Mar. 27.
- Magruder, Willett C., Louisville, Ky. Tiling. 1,677,039; July 10.
- Maguire, Joseph T., Chevy Chase, Md. Tank cover. 1,669,877; May 15.
- Maguire, Sam F., et al. (See Mullins, Ed., assignor.)
- Maguire, Samuel J., Montreal, Quebec, Canada. Dust-sealing device. 1,667,896; May 1.
- Magusiak, Daniel, Detroit, Mich. Engine. 1,677,483; July 17.
- Maguth, Michael J., Carlstadt, N. J. Feeding mechanism. 1,696,549; Dec. 25.
- Mahan, Frank M., et al. (See Bowers, Arlan L., assignor.)
- Mahan, Frederic O., Eugene, Oreg. Overalls. Re17,047; July 24.
- Mahan, Joseph R. (See Wright, C. S., and Mahan.)
- Mahan, Joseph R., and J. B. Picard, assignors to The National Supply Company, Toledo, Ohio. Driving means for rotary devices. 1,688,084; Oct. 16.
- Mahannah, Everett A. (See Maxim, W. D., and Mahannah.)
- Mahar, Merton E., assignor to Milwaukee Stamping Company, West Allis, Wis. Reinforcing frame for wardrobe-trunk sections. 1,675,654; July 3.
- Maher, Joseph, Stockton, Ill. Brake-valve-bleeding device. 1,689,077; Oct. 23.
- Maher, William A., Yakima, Wash. Piston. 1,674,733; June 26.
- Mahin, James E., Stockton, Calif. Gasket cutter. 1,670,628; May 22.
- Mahler, Ernst, Neenah, Wis., assignor, by mesne assignments, to International Cellulocotton Products Co., Chicago, Ill. Process and apparatus for applying deodorizing and disinfecting powder to sanitary pads. 1,670,587; May 22.
- Mahler, George T. (See Bunce, E. H., and Mahler.)
- Mahler, John J., New York, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 1,688,466; Oct. 23.
- Mahlstedt, John F., Los Angeles, Calif. Orchard heater. 1,670,544; May 22.
- Mahon, Edward, Vancouver, British Columbia, Canada. Bulletin rack. 1,672,389; June 5.
- Mahoney, Patrick J., Sharon, Pa. Wire-drawing mechanism. 1,683,906; Sept. 11.
- Mahr Manufacturing Co. (See Hortvet, Richard M., assignor.)
- Maickel, Joseph, and R. L. Dyas, assignors to Hawkesworth Drill Company, Butte, Mont. Demountable drill bit. 1,670,896; May 22.
- Maier, Charles, New York, N. Y. Flowerpot holder. 1,678,988; July 31.
- Maier, Friedrich, Elizabeth, N. J. Bottle closure. 1,661,126; Feb. 28.
- Maier, George, Evansville, Ind. Combination desk and dressing table. Des. 74,937; Apr. 17.
- Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Sewing and edging machine. 1,687,377; Oct. 9.
- Maier, Karl, and F. Lutz, assignors to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Intermediate gearing for sewing machines and the like. 1,655,152; Jan. 3.

- Maler, William, St. Louis, Mo. Cutting machine. 1,662,387; Mar. 13.
- Maignen, Prosper J. A., Philadelphia, Pa. Preparation of cellulose. 1,672,895; June 12.
- Majgren, Thorvald, Rochester, N. Y. Cystoscope. 1,688,295; Oct. 16.
- Mailey, Roy D., East Orange, N. J., assignor to Cooper Hewitt Electric Company. Seal. 1,660,649; Feb. 28.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Seal. 1,660,650; Feb. 28.
- Mailey, Roy D., East Orange, N. J., assignor to Cooper Hewitt Electric Company. Time switch. 1,666,904; Apr. 24.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Varnish-treating apparatus. 1,672,331; June 5.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric lamp. 1,676,790; July 10.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company. Switching apparatus. 1,676,791; July 10.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric lamp. 1,676,792; July 10.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric vapor lamp. 1,676,793; July 10.
- Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Thermostatically-controlled switch. 1,676,794; July 10.
- Mailey, Roy D., East Orange, and W. J. Winninghoff, South Orange, assignors to Cooper Hewitt Electric Company, Hoboken, N. J. Glass-working machinery. 1,676,795; July 10.
- Maimin, H., Company Incorporated. (See Maimin, Hyman, assignor.)
- Maimin, Hyman, assignor to H. Maimin Company Incorporated, New York, N. Y. Cloth-cutting machine. 1,678,989; July 31.
- Main, Charles E., Kansas City, Mo. Hydrocarbon burner. 1,681,302; Aug. 21.
- Main, Frank L., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Split-rim tool. 1,686,021; Oct. 2.
- Main, Fred F., Chicago, Ill. Power drive for motor-vehicle steering mechanism. 1,669,259; May 8.
- Main, William J., Westport, Conn., assignor to C. Errett, New York, N. Y. Collapsible paper cup. 1,690,586; Nov. 6.
- Maina, Joseph. (See Brown, W. S. F., and Maina.)
- Maintenance Equipment Company. (See Hamilton, Perry H., assignor.)
- Maintenance Equipment Company. (See Overmier, Emmons, assignor.)
- Mair, James, Philadelphia, Pa., assignor to Hemphill Company, Central Falls, R. I. Yarn-plaiting tensioning means for knitting machines. 1,662,046; Mar. 6.
- Mairich, Carl, Berlin, Germany. Bakehouse oven. 1,675,943; July 3.
- Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Hinge construction for deck lids. 1,656,441; Jan. 17.
- Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Vehicle body and constructing the same. 1,682,532; Aug. 28.
- Maise, Herman C. and W. Marshall, assignors to Briggs Manufacturing Company, Detroit, Mich. Rear-quarter construction. 1,657,019; Jan. 24.
- Maitland, Charles L., Jasper, Ontario, Canada. Hoisting and supporting bracket. 1,672,332; June 5.
- Maitland, Frances A., Peekskill, N. Y. Spool holder. 1,656,008; Jan. 10.
- Maitland, Harold T., Sharon Hill, assignor to Sun Oil Company, Philadelphia, Pa. Refining mineral oil. 1,668,920; May 8.
- Maiurano, Francesco, et al. (See Sabatini, Andy, assignor.)
- Majestic Company, The. (See Redrup, William D., assignor.)
- Majestic Electric Appliance Co. (See Mulvany, Harry A., assignor.)
- Majestic Lamp Works. (See Cricchio, Paul, assignor.)
- Majestic Lamp Works. (See Silberhartz, Jacob and P., and Rosenblatt, assignors.)
- Majestic Lamp Works. (See Silberhartz, Philip, assignor.)
- Majestic Metal Specialties, Inc. (See Kasdan, N., and Pollack, assignors.)
- Majestic Metal Specialties, Inc. (See Pollack, Daniel, assignor.)
- Majewski, Constantly, Detroit, Mich. Sounding device for toy animal figures. 1,667,125; Apr. 24.
- Majewski, Clara, Chicago, Ill. Brush cleaner. 1,689,209; Oct. 30.
- Majewski, Stanley, Chicago, Ill. Camp stove. Des. 76,697; Oct. 23.
- Majláth, Andrew. (See Székely, G., Gyulay, and Majláth.)
- Major, William W., and J. C. Carpenter, jr., Clifton Forge, Va. Tie nipper. 1,695,660; Dec. 18.
- Makela, Charles R. (See Ellertsen, N. A., and Makela.)
- Maki, Albin, Toivola, Mich. Trap gun. 1,677,394; July 17.
- Makin, John S., Philadelphia, Pa. Auxiliary water heater. 1,666,660; Apr. 17.
- Malbay, Raphaël, Paris, France. Rotary compressor. 1,660,563; Feb. 28.
- Malbay, Raphaël, Paris, France. Apparatus for the carbonization and distillation of wood. 1,684,875; Sept. 18.
- Malcher, Otto, Chicago, Ill. Weighing scale. 1,690,123; Nov. 6.
- Malcolm, John A., Cleveland, Ohio. Lock nut for electrical conduits. 1,689,248; Oct. 30.
- Malcolm, Thomas J., Natchez, Miss. Piano-bridle-strap fastener. 1,685,001; Sept. 18.
- Malcolm, William. (See Thropp, F. W., and Malcolm.)
- Male, André, called Male-Fosse, assignor to R. Male (called Male-Fosse), Arcueil, France. Machine for stacking biscuits. 1,658,531; Feb. 7.
- Male, René (called Male-Fosse). (See Male, André, called Male-Fosse, assignor.)
- Malenković, Basilius R. V., Neulengbach, Austria. Preservation of wood. 1,656,863; Jan. 17.
- Maley, Thomas, assignor to Ohmer Fare Register Company, Dayton, Ohio. Yieldable driving mechanism. 1,667,864; May 1.
- Maley, Thomas C., assignor to Ohmer Fare Register Company, Dayton, Ohio. Bell-ringing mechanism. 1,688,392; Oct. 23.
- Malicki, Roman H., Chicago, Ill. Electrically-controlled combination mechanism for locks. 1,661,127; Feb. 28.
- Malik, Emanuel, Everson, Pa. Safety trigger for pneumatic tools. 1,681,044; Aug. 14.
- Malinowski, Harry A., assignor to Frank M. Whiting & Company, North Attleboro, Mass. Spoon or like article. Des. 76,946; Nov. 20.
- Malkin, Bernard A. (See Russell, A. N., and Malkin.)
- Malkin, Bernard A., Lachine, Quebec, Canada. Drive for paper-drying machines and the like. 1,692,901; Nov. 27.
- Mail Tool Company. (See Gaston, Ralph M., assignor.)
- Mallach, Lillian, Los Angeles, Calif. Rack cover. 1,661,667; Mar. 6.
- Mallard, Logan L., Norfolk, Va. Toy target game. 1,666,336; Apr. 17.
- Mallard, Logan L., Norfolk, Va. Rocker toy. 1,688,282; Oct. 16.
- Mallaroni, Jean, Marseille, France. Steel for metal binders. 1,671,250; May 29.
- Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
- Mallette, Lyle, Los Angeles, Calif., assignor to Claude Neon Lights, Inc., New York, N. Y. Spring clip. 1,656,982; Jan. 24.
- Malley, Charles E. (See Kling, F. E., and Malley.)
- Mallick, Hermann, Duren, Germany. Pulping machine. 1,657,218; Jan. 24.
- Malling, Malte J., Grand Rapids, Mich. Bumper for vehicles. 1,686,829; Oct. 9.
- Malling, Malte J., Grand Rapids, Mich. Electric appliance. 1,696,495; Dec. 25.
- Mallins, Arnold B., Brooklyn, N. Y. Socket and vacuum tube. 1,672,033; June 5.
- Mallinson, H. R., & Company. (See Heinke, Alfred J., assignor.)
- Mallinson, H. R., & Co. Inc. (See Heinke, Alfred J., assignor.)
- Mallison, Samuel M. (See Koonce, Z. T., and Mallison.)
- Mallon, Paul, assignor to The Societe D. Parville & Cie., Paris, France. Storage battery. 1,660,229; Feb. 21.
- Mallory, Bonnie L., Cleveland Heights, Ohio. Shock absorber. 1,666,261; Apr. 17.
- Mallory, Charles M., Chattanooga, Tenn., assignor of one-half to E. C. Mallory, Indianapolis, Ind. Making molds. 1,694,130; Dec. 4.
- Mallory, Earl C. (See Mallory, Charles M., assignor.)
- Mallory, Edward B., Tenafly, N. J., assignor to Westinghouse Electric & Manufacturing Company. Escutcheon plate. Des. 75,130; May 8.
- Mallory, George P., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Container or wrapper. 1,687,678; Oct. 16.
- Mallory, Gladys F., Martins Ferry, Ohio. Combined window shade and drapery support. 1,676,403; July 10.
- Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Power system. 1,658,089; Feb. 7.
- Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Engine-cooling system. 1,658,090; Feb. 7.
- Mallory, Harry C., deceased; S. R. Mallory, administratrix. Bellport, N. Y. Expandible-collapsible element. 1,659,038; Feb. 14.
- Mallory, Harry C., deceased, Long Island City, N. Y.; S. R. Mallory, administratrix. Cooling system for internal-combustion engines. 1,678,644; July 31.
- Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Engine-cooling system. 1,687,679; Oct. 16.
- Mallory, Harry C., deceased, New York, N. Y., S. R. Mallory, administratrix. Cooling system for aircraft engines. 1,694,071; Dec. 4.
- Mallory, Harry C., deceased; S. R. Mallory, administratrix, Bellport, N. Y.; Harry C. Mallory, assignor, by mesne assignments, to American Radiator Company, Chicago, Ill. Producing expandible-collapsible elements. 1,656,213; Jan. 17.

- Mallory, Louis V., assignor of one-half to R. F. Best, Kansas City, Mo. Cylinder-saddle milling machine. 1,680,300; Aug. 14.
- Mallory, Marion, Toledo, Ohio. Engine ignition system. 1,663,207; Mar. 20.
- Mallory, Marion, Toledo, Ohio. Carburetor. 1,684,550; Sept. 18.
- Mallory, Marion, Toledo, Ohio. Carburetor. 1,684,840; Sept. 18.
- Mallory, Marion, Toledo, assignor, by mesne assignments, to The K-W Ignition Corporation, Cleveland, Ohio. Timer. 1,633,392; Sept. 4.
- Mallory, Sue R., administratrix. (See Mallory, Harry C.)
- Mallouk, Salim N., Brooklyn, N. Y. Lace tray cover or the like. Des. 74,616; Mar. 6.
- Malloy, James T., Oakland, R. I., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Weft-replenishing loom. 1,662,198; Mar. 13.
- Malloy, James T., Oakland, R. I., assignor to Draper Corporation, Hopedale, Mass. Dobby for looms. 1,682,791; Sept. 4.
- Malloy, Michael J., and E. A. Buck, assignors to Great Northern Paper Company, Millinocket, Me. Device for removing caps from paper cores. 1,692,274; Nov. 20.
- Malloy, Wesley S., Oakland, and R. J. Lyman, Berkeley, Calif. Hydraulic boring device. 1,659,826; Feb. 21.
- Malloy, William W., San Pedro, Calif. Centrifugal machine. 1,665,065; Apr. 3.
- Malm, Carl J. (See Clarke, H. T., and Malm.)
- Malm, Frank S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric cable. 1,654,546; Jan. 3.
- Malm, Walter R., San Francisco, Calif. Luggage carrier and bumper. 1,661,486; Mar. 6.
- Malmquist, Adolph K., South Bellingham, Wash., assignor, by mesne assignments, to Thermokept Corporation, New York, N. Y. Canning apparatus. 1,670,862; May 22.
- Malmquist, Adolph K., South Bellingham, Wash., assignor, by mesne assignments, to Thermokept Corporation, New York, N. Y. Canning apparatus. 1,670,863; May 22.
- Malmquist, John O., assignor to American Can Company, San Francisco, Calif. Oval-gear double-seamer head. 1,689,634; Oct. 30.
- Malone, Adolph W., Fillmore, Utah, assignor of one-third to A. H. Vestal, Anderson, Ind., and one-third to A. M. Lockwood, San Antonio, Tex. Cross-arm clamp. 1,667,558; Apr. 24.
- Malone, Adolph W., Fillmore, Utah, assignor of one-third to A. H. Vestal, Anderson, Ind., and one-third to E. S. Healy, New York, N. Y. Pole. 1,696,772; Dec. 25.
- Malone, Adolph W., Fillmore, Utah, assignor of one-third to A. H. Vestal, Anderson, Ind., and one-third to E. S. Healy, New York, N. Y. Pole. 1,696,773; Dec. 25.
- Malone, Frank J., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Work fixture. 1,674,291; June 19.
- Malone, J. H. (See Hinchman, Alva K., assignor.)
- Malone, James G. (See Donner, J. A., and Malone.)
- Malone, James P., Pittsburgh, Pa. Fuel-mixing device. 1,676,958; July 10.
- Malone, John C., Beaver Falls, Pa. Straightening machine. 1,657,311; Jan. 24.
- Malone, Levi D. (See Hubbs, H. E., and Malone.)
- Malone, Robert H., Eaton, Tenn. Cotton-picking sack. 1,689,399; Oct. 30.
- Malone, William V., Joplin, Mo. Water heater. 1,671,036; May 22.
- Maloney, Daniel, et al. (See Walsh, William E., assignor.)
- Maloney, Edward J., Long Island City, N. Y. Steering mechanism. 1,689,924; Oct. 30.
- Maloney, John F., deceased, Woonsocket, R. I.; M. M. Maloney, administratrix. Knitting machine. 1,683,586; Sept. 4.
- Maloney, Mary M., administratrix. (See Maloney, John F.)
- Maloney, Michael. (See Davis, R. H., Milewski, and Maloney.)
- Maloney, Stephen F., assignor of one-half to E. R. Widen, Scranton, Pa. Smoker's appliance. 1,664,937; Apr. 3.
- Malonyay, Joseph, assignor to J. Donner, Budapest, Hungary. 1,693,150; Nov. 27.
- Malott, Ervin E. (See Fries, S. W., and Malott.)
- Malouf, Edward F., Marysville, Calif. Nail setter. 1,665,669; Apr. 10.
- Malouf, Edward F., Marysville, Calif. Nail setter. 1,690,987; Nov. 6.
- Maltner, Heinrich, Offenbach, Germany. Pocket lighter. 1,669,308; May 8.
- Malý, Josef, Melnik, Czechoslovakia. Device for producing oscillatory motion. 1,671,301; May 29.
- Mambourg, Leopold, Lancaster, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass-protecting means and method. 1,680,227; Aug. 7.
- Mambourg, Nestor, Lancaster, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-drawing apparatus. 1,673,916; June 19.
- Mambourg, Nestor, Lancaster, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass apparatus. 1,692,673; Nov. 20.
- Mammen, Lawrence W., Chicago, Ill. Airship. 1,658,452; Feb. 7.
- Mammen, Lawrence W., Chicago, Ill. Airship. 1,664,565; Apr. 3.
- Mammen, Lawrence W., Chicago, Ill. Ornamental light. 1,684,922; Sept. 18.
- Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for soldering cable-bonding devices. 1,637,378; Oct. 9.
- Mample, Adolph Z., Glen Rock, and E. R. Harrall, Englewood, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Fastening device for guy ropes and other tensioning members. 1,671,867; May 29.
- Management Engineering and Development Company, The. (See Hedgcock, James A., assignor.)
- Manauha, Carl J. (See Cummings, James D., assignor.)
- Mancini, Donato, Saxonville, Mass. Valve grinder. 1,679,983; Aug. 7.
- Manros, George E., Richmond, Va. Inner-tube tester. 1,666,712; Apr. 17.
- Mandel, Louis, Chicago, Ill. Single-dial control for radio receiving apparatus. 1,656,442; Jan. 17.
- Mander, James L., Winnipeg, Manitoba, Canada. Cup and saucer. 1,666,389; Apr. 17.
- Manderfeld, Emanuel C., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating system. 1,662,071; Mar. 13.
- Manders, Theodor J. J. A. (See Bergmans, J., and Manders.)
- Manderson, Oswald G., Footscray, assignor of one-half to B. Williams, Yarraville, Victoria, Australia. Cigarette-making appliance. 1,681,738; Aug. 21.
- Mandery, Roy J. (See Dudek, B. F., and Mandery.)
- Mandery, Roy J., Lincoln, Nebr. Combined scooter, side car, and wagon. 1,679,045; July 31.
- Mandi, Mary A., Leavenworth, Kans. Pie pan. 1,670,971; May 22.
- Mandolini, Caesar A., assignor to Remington Automotive Corporation, New York, N. Y. Fuel system. 1,662,614; Mar. 13.
- Manell Building Block & Tile Company, The. (See Eisenmann, John, assignor.)
- Manent, Jean P. and M., Lyon, France. Machine for the manufacture of wire spiral. 1,690,452; Nov. 6.
- Manent, Marius. (See Manent, Jean P. and M.)
- Maneschi, Egidio E., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for determining the energy losses in dielectric materials. 1,683,833; Sept. 11.
- Maney, Thomas, Louisville, Ky. Claw bar. 1,676,149; July 3.
- Mangan, Michael J., Des Plaines, Ill. Cigarette-package holder. 1,685,765; Sept. 25.
- Mangialetti, Gaetano, Brooklyn, N. Y. Cover back and hinge. 1,676,865; July 10.
- Mangiaracina, Giorgio, Brooklyn, N. Y. Safety device for gas meters. 1,684,179; Mar. 27.
- Mangini, Norman J., Rochester, N. Y. Device used in the making of garment collars. 1,681,189; Aug. 21.
- Mangold, William B., Chicago, Ill., assignor to The Vortex Mfg. Co. Cup dispenser. 1,673,917; June 19.
- Manhattan Button Machine Co. Inc. (See Kuzma, J. R., and Ostrochovsky, assignors.)
- Manhattan Electrical Supply Company. (See Hendry, William F., assignor.)
- Manhattan Electrical Supply Company. (See Smith, Henry, assignor.)
- Manheim, Solomon, Bridgeport, Conn. Self-winding clock and the like. 1,659,208; Feb. 14.
- Manick, Joseph P., McDonald, Pa. 1,668,460; May 1.
- Manierre, George, Milwaukee, Wis. Power-operated portable loader. 1,687,841; Oct. 16.
- Manierre, George, Milwaukee, Wis. Truck. 1,692,848; Nov. 27.
- Manifold Impression Corporation. (See Sinclair, William H., assignor.)
- Manifold Supplies Company. (See Foster, Arthur L., assignor.)
- Manifold Supplies Company. (See Hughes, William J., assignor.)
- Manion, Charles H. (See Kinter, C. W., and Manion.)
- Manion, Cyrus R., Milwaukee, Wis. Flush valve. 1,694,072; Dec. 4.
- Mankedick, Elmer D., Indianapolis, Ind. Wall construction. 1,661,128; Feb. 28.
- Manker, Forrest W., Jackson Heights, assignor to Surface Combustion Company, New York, N. Y. Continuous slab-heating furnace. 1,673,771; June 12.
- Manker, Forrest W., Jackson Heights, assignor to Surface Combustion Company, New York, N. Y. Wire-annealing furnace. 1,674,407; June 19.
- Manker, Forrest W., Jackson Heights, N. Y., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Furnace. 1,688,393; Oct. 23.
- Manker, Forrest W., Jackson Heights, N. Y., assignor to The Surface Combustion Company, Inc., Toledo, Ohio. Sheet and pair heating furnace. 1,688,394; Oct. 23.
- Mankin, James B., North Chattanooga, Tenn. Rotary-valve internal-combustion engine. 1,686,758; Oct. 9.
- Mankin, Lynn S. (See Shaffer, J. C., and Mankin.)
- Manley, Fred B., Paterson, N. J., assignor to Textiles Development Corporation, New York, N. Y. Weftless fabric. 1,677,359; July 17.
- Manley, Jason B., Oakland, assignor to Wesley M. Wooten, San Francisco, Calif. Staple nail. 1,668,776; May 8.

- Manley, John. (See Fread, Guy, assignor.)
- Manley, Lee L., Brooklyn, N. Y., assignor to Radio Corporation of America. Loop antenna. 1,689,400; Oct. 30.
- Manley, Ralph B., Newark, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive paper or cloth. 1,688,623; Sept. 11.
- Manly, Basil M., et al., executors. (See Manly, Charles M.)
- Manly, Charles M., Richmond Hill, deceased; J. M. W. G. and B. M. Manly, executors, assignors to Overman Cushion Tire Company, Inc., New York, N. Y. Tire. 1,678,014; July 24.
- Manly, Charles M., Richmond Hill, N. Y., assignor to Overman Cushion Tire Company, Inc. Making vehicle tires. 1,678,866; July 31.
- Manly, Fred G., assignor, by mesne assignments, to G. I. and H. Goldwyn, Chicago, Ill., copartners doing business as Goldwyn Brothers. Folding cot. 1,696,245; Dec. 25.
- Manly, John M., et al., executors. (See Manly, Charles M.)
- Manly, William G., et al., executors (See Manly, Charles M.)
- Mann, Amelia, et al. (See Nye, Sherman G., assignor.)
- Mann, Charles W., Los Angeles, Calif., and A. G. Galloway, Washington, D. C. Cooling of fruits and vegetables in refrigerator cars. 1,696,441; Dec. 25.
- Mann, Freda, et al. (See Nye, Sherman G., assignor.)
- Mann, Frederick E., Cherrydale, Va. Crystal detector. 1,666,462; Apr. 17.
- Mann, Helen, et al. (See Nye, Sherman G., assignor.)
- Mann, James H., jr., St. Petersburg, Fla. Spurious-coin segregator. 1,657,888; Jan. 31.
- Mann, James H., jr., St. Petersburg, Fla., assignor to Southwestern Sales Corporation, New York, N. Y. Spurious-coin segregator. 1,685,551; Sept. 25.
- Mann, James H., jr., Mont Eagle, Tenn., assignor to Southwestern Sales Corporation, New York, N. Y. Mountable and demountable casing for coin-controlled devices. 1,682,135; Aug. 28.
- Mann, James H., jr., Mont Eagle, Tenn., assignor to Southwestern Sales Corporation, New York, N. Y. Coin-detecting vending machine. 1,685,550; Sept. 25.
- Mann, John E., Snohomish, Wash. Indicating device. 1,683,907; Sept. 11.
- Mann, John V., and L. B. Hasbrouck, Elmira, assignors to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Bobbin support. 1,692,458; Nov. 20.
- Mann, John V., and L. B. Hasbrouck, Elmira, assignors to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Bobbin support. 1,692,459; Nov. 20.
- Mann, Joseph, Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Center-plait folder. 1,664,079; Mar. 27.
- Mann, Julian A., New York, N. Y. Duster. Des. 74,571; Feb. 28.
- Mann, Lester B., assignor to The Universal Draft Gear Attachment Company, Chicago, Ill. Brake mechanism for railway cars. 1,655,322; Jan. 3.
- Mann, Martin F. (See Pope, L. B. and Mann.)
- Mann, Nelson E., New Britain, and A. M. Young, Meriden, Conn., assignors, by mesne assignments, to Manning, Bowman & Co., Wilmington, Del. Electric soldering iron. 1,674,653; June 26.
- Mann, Randolph M., Nyack, N. Y. Connecting plug. 1,687,167; Oct. 9.
- Mann, Regina, New London, Conn. Citrus-fruit-serving dish. Des. 74,938; Apr. 17.
- Mann, Richard E., New Brighton, N. Y. Thermometer. Des. 74,798; Mar. 27.
- Mann, William, et al. (See Nye, Sherman G., assignor.)
- Mann, Zolatus T., Caviness, Tex. Weevil destroyer. 1,684,040; Sept. 11.
- Mannborg, Theodor, Leipzig-Lindenau, Germany. Belows-regulating device. 1,671,992; June 5.
- Manner, Christian E., Homestead, Fla. Cotton-picker's sack. 1,687,577; Oct. 16.
- Mannes, Leopold D., and L. Godowsky, jr., New York, N. Y. Color photograph and producing same. 1,659,148; Feb. 14.
- Manneschmidt, Jacob, jr., Brooklyn, N. Y. Conduit-cover clamp. 1,661,840; Mar. 6.
- Mannesmann-Licht-A.-G. (See Stamm, Karl, assignor.)
- Mannich, Charles, Frankfurt-on-the-Main, Germany. Alkyl derivatives of cyclo-trimethylene-aryl-pyrazolones and the manufacture of same. 1,657,544; Jan. 31.
- Mannich, Charles, Frankfurt-on-the-Main, Germany. Di-cyclic derivatives of pentamethylene and manufacture of same. 1,685,407; Sept. 25.
- Manning, Bowman & Co. (See Mann, N. E., and Young, assignors.)
- Manning, Bowman & Co. (See Savage, George E., assignor.)
- Manning, Edward, assignor to Manning Manufacturing Company, Rutland, Vt. Drip valve. 1,666,243; Apr. 17.
- Manning, Elmer J., Janesville, assignor of one-half to A. S. Krotz, Janesville, Wis. Internal-combustion-engine cooling system. 1,663,016; Mar. 20.
- Manning, Fred W., Berkeley, Calif. Process of and apparatus for the continuous countercurrent treatment of liquids and solids. 1,686,092; Oct. 2.
- Manning, Fred W., Berkeley, Calif. Process of and apparatus for continuous pressure filtration. 1,686,093; Oct. 2.
- Manning, Fred W., Berkeley, Calif. Process of and apparatus for continuous countercurrent filtration. 1,686,094; Oct. 2.
- Manning, Fred W., Berkeley, Calif. Continuous expelling and clarifying process. 1,686,095; Oct. 2.
- Manning, Fred W., Berkeley, Calif. Continuous expelling and clarifying process and apparatus. 1,686,096; Oct. 2.
- Manning, Fred W., Berkeley, Calif., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Magazine filter. 1,669,718; May 15.
- Manning, Fred W., Berkeley, Calif., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Magazine filter. 1,695,811; Dec. 18.
- Manning, Harvey E., Little Rock, Ark. Molded article and preparing the same. 1,690,305; Nov. 6.
- Manning, H., assignor of one-half to L. M. Prince, Dallas, Tex. Well-drilling and vacuum clean-out machine. 1,668,327; May 1.
- Manning, Howard H., assignor to McCrosky Tool Corporation, Meadville, Pa. Boring bar. 1,684,772; Sept. 18.
- Manning, Landon C., New York, N. Y. Vending-machine casing. Des. 74,315; Jan. 24.
- Manning, Landon C., assignor to Pack Shops, Inc., New York, N. Y. Vending-machine cabinet. 1,686,091; Oct. 2.
- Manning Manufacturing Company. (See Manning, Edward, assignor.)
- Manning Manufacturing Company. (See Manning, Roy A., assignor.)
- Manning Manufacturing Company (Incorporated), et al. (See Brooks, Clarence H., assignor.)
- Manning, Margia. (See Nixon, J. D., and Manning.)
- Manning, Maxwell & Moore, Inc. (See Moore, George E., assignor.)
- Manning, Rodney W., Riverside, R. I. Tappet for valves. 1,693,651; Dec. 4.
- Manning, Roy A., assignor to Manning Manufacturing Company, Rutland, Vt. Bottle-washing machine. 1,680,106; Aug. 7.
- Manning, Sanford E., Snrackover, Ark. Cementing apparatus. 1,684,551; Sept. 18.
- Mannl, Rudolf, Karlsbad, Czechoslovakia. X-ray screen for taking skiagrams. 1,662,528; Mar. 13.
- Manns, Albert G., Oconomowoc, assignor to A. O. Trostel, Milwaukee, Wis. Embossing leather. 1,657,889; Jan. 31.
- Manofsky, Herman E., Chicago, Ill. Line holder. 1,678,344; July 24.
- Manovill, Hugo, Jackson Heights, N. Y. Decorating articles and decorated article. Re16,963; May 15.
- Mansell, Sam B., Dover, Ohio. Roll polisher. 1,672,462; June 5.
- Mansfield, Fanny M., Haverhill, Mass. Toy cat. Des. 75,038; May 1.
- Mansfield, George H., Cuyahoga Falls, Ohio. Rolling stay-bolt iron. 1,662,506; Mar. 13.
- Mansfield, George H., Cuyahoga Falls, Ohio. Hollow-stay bolt manufacturing. 1,693,487; Nov. 27.
- Mansfield, James F., Floral Park, N. Y. Motor clock mounting. 1,678,990; July 31.
- Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Tie-ading machine. 1,672,652; June 5.
- Mansfield, Virgil D., Columbus, Ohio. Power-driven billing machine. 1,695,769; Dec. 18.
- Manshel, Charles, Newark, N. J. Order ticket or coupon. 1,689,444; Oct. 30.
- Mansker, Benjamin H., Pinckneyville, Ill. Road grader. 1,687,626; Oct. 16.
- Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Electrical switch. 1,669,877; Feb. 28.
- Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Pawl-and-ratchet mechanism. 1,678,069; July 24.
- Manson, Thomas M., Toronto, Ontario, Canada, assignor to Service Station Equipment Company, Bryan, Ohio. Air-service equipment. 1,661,186; Mar. 6.
- Manson, Thomas M., and C. H. Ward, assignors to Clear Vision Pump Company, Limited, Toronto, Ontario, Canada. Liquid dispenser. 1,682,705; Aug. 28.
- Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Nonmetallic gear. 1,655,278; Jan. 3.
- Mansure, E. L., Company. (See Shults, Herbert O., assignor.)
- Mansuy, William G., Detroit, Mich. Plastic material forming and smoothing device. 1,687,344; Oct. 9.
- Manthe, Archie. (See Rose, H. D., and Manthe.)
- Mantius, Otto, Englewood, N. J. Apparatus for concentrating acids. 1,655,019; Jan. 3.
- Mantle Engineering Company. (See Munford, Theodore W., assignor.)
- Manton, Frank W., Toronto, Ontario, Canada. Inking means for printing machines. 1,680,559; Aug. 14.
- Mantor, Inc. (See Oiler, Frank E., assignor.)
- Mantz, Aloysius F., Los Angeles, Calif. Spring sash balance. 1,669,990; May 15.
- Manuel, Frederick R. (See De Laporte, A. V., Dallyn, and Manuel.)
- Manufacturers' Machine Company. (See Perdue, John C., assignor.)
- Manville, E. J., Machine Company, The. (See Pracny, John E., assignor.)
- Manville, Keith R., Elmhurst, assignor to International Motor Company, New York, N. Y. Internal-combustion engine jacket. 1,657,512; Jan. 31.

- Manzel, Charles W., Buffalo, N. Y. Hydraulic shock absorbers. 1,656,744; Jan. 17.
- Manzel, Charles W., Buffalo, N. Y. Combined low and high pressure oil pump. 1,665,670; Apr. 10.
- Manzel, Charles W., Buffalo, N. Y. Hydraulic shock absorber. 1,675,760; July 3.
- Manzel, Charles W., Buffalo, N. Y., assignor to Alemite Manufacturing Corporation, Chicago, Ill. Lubricating gun. 1,696,497; Dec. 25.
- Mapel, George, Seattle, Wash. Trolling spoon. 1,692,674; Nov. 20.
- Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Fitting for indicating devices. 1,658,930; Feb. 14.
- Mapel, Lewis A., assignor to Automatic Appliance Company, St. Louis, Mo. Device for dispensing liquids. 1,672,983; June 12.
- Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Indicating device for internal-combustion engines. 1,680,425; Aug. 14.
- Mapes Consolidated Manufacturing Company. (See De Reamer, William J., assignor.)
- Mapes Consolidated Manufacturing Company et al. (See Koppelman, M., and Mapes, assignors.)
- Mapes, Oscar W., Middletown, N. Y. Egg factory. 1,663,479; Mar. 20.
- Mapes, Winfield H. (See Koppelman, M., and Mapes.)
- Maple, William S., Los Angeles, Calif. Radio ground antenna. 1,681,644; Aug. 21.
- Mapson, Robert L., Los Angeles, Calif. Ornamental iron stair-rail structure. 1,664,080; Mar. 27.
- Maranda, Vincent, Montreal, Quebec, Canada. Tooth extractor. 1,666,860; Apr. 17.
- Maranov, Sydney. (See Bartlett, Raymond L., assignor.)
- Marans, Samuel, Atlantic City, assignor of one-half to C. P. Proffatt, Ocean City, N. J. Embossed-printing machine. 1,656,824; Jan. 17.
- Maranville, Harvey F., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for removing fabric strips from cutting machines. 1,675,954; July 3.
- Marathon Company. (See Metcalf, Alpha H., assignor.)
- Marathon Company. (See Wojciechowski, Frank M., assignor.)
- Marathon Electric Mfg. Co. (See Gilburg, Roy O., assignor.)
- Marathon Paper Mills Company. (See Gaylord, George S., assignor.)
- Marathon Paper Mills Company. (See Merrin, Samuel A., assignor.)
- Marbelite Corporation of America. (See Barkschat, Henry, assignor.)
- Marbelite Corporation of America. (See Waggoner, Ralph, assignor.)
- Marble, Edwin H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Locking protective covers of rotating picking cylinders or the like. 1,658,020; Jan. 31.
- Marble, Edwin H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Sewing machine. 1,667,326; Apr. 24.
- Marburg Brothers, Inc. (See Kuzelewski, Adalbert R., assignor.)
- Marbury, Harbert B., Atlanta, Ga. Tent. 1,684,237; Sept. 11.
- Marbury, Lucian B., Metropolis, Ill. Cigarette-package dispenser. 1,675,814; July 3.
- Marbury, Ralph E., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser for grid leaks. 1,671,478; May 29.
- Marbury, Ralph E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistors for shunted condensers. 1,686,022; Oct. 2.
- Marcalus, Nicholas. (See Deale, R. C., and Marcalus.)
- Marcalus, Nicholas. (See Randolph, C. F., Rausch, and Marcalus.)
- Marcalus, Nicholas, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Planer-control mechanism. 1,674,976; June 26.
- Marcalus, Nicholas, and R. H. Rausch, Plainfield, assignors to Automatic Paper Machinery Co., Inc., Newark, N. J. Web-winding machine. 1,669,832; May 15.
- Marcel, Francois R., Brooklyn, N. Y. Hair-waving device. 1,694,073; Dec. 4.
- Marcell, Carroll K., Springfield, Ohio, assignor to Metal Package Corporation of New York, Brooklyn, N. Y. Wire feeding and cutting device. 1,655,471; Jan. 10.
- Marcellus, Aaron, Ballston Lake, N. Y. Signaling attachment for typewriters. 1,658,532; Feb. 7.
- March, Carl, Chicago, Ill. Confectioner's pattern-making device. 1,662,710; Mar. 13.
- March, Carl, Chicago, Ill. Compound tool. 1,664,783; Apr. 3.
- March, Carl, Chicago, Ill. Flycatcher. 1,666,785; Apr. 17.
- March, Carl, Chicago, Ill. Case. 1,672,766; June 5.
- March, Carl, Chicago, Ill. Match-box holder. 1,681,865; Aug. 21.
- Marchant, Guy O., et al. (See Walker, Jay P., assignor.)
- Marchetti Motor Patents, Incorporated. (See Marchetti, Paul, assignor.)
- Marchetti, Paul, Stockton, Calif., assignor to Marchetti Motor Patents, Incorporated. Internal-combustion motor. 1,667,213; Apr. 24.
- Marchev, Alfred, et al. (See Temple, Fred W., assignor.)
- Marchev, Alfred, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tension-measuring device. 1,659,919; Feb. 21.
- Marchev, Alfred, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working mechanism. 1,672,984; June 12.
- Marchev, Alfred, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for twisting strands. 1,690,373; Nov. 6.
- Marchus, Amos S., Oakland, Calif. Combination air nozzle and gauge. 1,695,018; Dec. 11.
- Markworth, Otto S., Columbus, Ohio. Applying, blending, and setting colors. 1,676,739; July 10.
- Markworth, Otto S., Columbus, Ohio. Ornamental in-laid work. 1,687,578; Oct. 16.
- Marcotte, Oscar F. (See Russell, C. H. C., Marcotte, and Hugues.)
- Marcoux, Arcade, New Bedford, Mass. Clothes returner for ironing machines. 1,696,609; Dec. 25.
- Marcum, Arthur I., Oakland, assignor to E. Winship, San Francisco, Calif. Drive axle. 1,670,119; May 15.
- Marcum, Green L. (See Cantrell, I., and Marcum.)
- Marcum, Harvey B., Dodge City, Kans. Automatic air-brake test signal. 1,659,884; Feb. 21.
- Marcus, Charles L., New York, N. Y. Atomizer. Des. 74,272; Jan. 17.
- Marcus, Charles L., New York, N. Y. Perfume container. Des. 74,617; Mar. 6.
- Marcus, Charles L., New York, N. Y. Display package. 1,672,034; June 5.
- Marcus, Charles L., New York, N. Y. Vanity case. 1,672,270; June 5.
- Marcus, Jacob, Brooklyn, N. Y. Sandal. 1,681,548; Aug. 21.
- Marcus, Jacob, Holland, Mich., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming the soles of boots and shoes. 1,657,632; Jan. 31.
- Marcus, Joseph K., New York, N. Y. Extracting the non-saponifiable and difficultly saponifiable matter from fatty material. 1,690,091; Oct. 30.
- Marcus, Samuel, Brooklyn, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Artificial eyes for dolls, display figures, and the like. 1,687,478; Oct. 9.
- Marcus, Samuel, Brooklyn, assignor, by mesne assignments, to Markon Manufacturing Co., Inc., New York, N. Y. Tongue and teeth for doll heads. 1,639,925; Oct. 30.
- Marcuse, Moses M., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Dispensing cabinet. Re17,092; Oct. 2.
- Marcuse, Moses M., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Dispensing cabinet. 1,658,608; Feb. 7.
- Marcuson, Henry, Chicago, Ill. Coffee urn. 1,694,548; Dec. 11.
- Marcy, Ernest H., Belmont, Mass. Collapsible ampul syringe. 1,687,502; Oct. 16.
- Marcy, Frank E., San Diego, Calif. Casing for mechanical exercisers. Des. 77,166; Dec. 11.
- Marcy, Frank E., San Diego, Calif. Mill. 1,690,493; Nov. 6.
- Marcy, Frank E., San Diego, Calif. Mill. 1,690,494; Nov. 6.
- Marcy, Frank E., San Diego, Calif. Mill. 1,690,495; Nov. 6.
- Marcy, Frank E., San Diego, Calif. Mill. 1,690,496; Nov. 6.
- Marczinko, Joseph, Passaic, N. J. Bowling game board. 1,681,590; Aug. 21.
- Marden, Clarence S., Albany, N. Y. Toy. 1,673,413; June 12.
- Marden, John W. (See Rentschler, H. C., and Marden.)
- Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Production of rare-metal powders. 1,659,209; Feb. 14.
- Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Preparation of metal halides. 1,665,634; Apr. 10.
- Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Purification of metal powders. 1,665,635; Apr. 10.
- Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. X-ray tube. 1,665,637; Apr. 10.
- Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron-emission material and method of preparation. 1,670,463; May 22.
- Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Manufacture of articles of refractory metal or metallic mixtures. 1,675,119; June 26.
- Marden, John W., East Orange, and J. E. Conley, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Activation of electron-emission material. 1,665,636; Apr. 10.
- Marden, John W., East Orange, and H. K. Richardson, Newark, N. J., assignors to Westinghouse Lamp Company. Refractory cement. 1,695,812; Dec. 18.
- Marden, John W., East Orange, T. P. Thomas, and J. E. Conley, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Deposition of thorium from its vaporizable compounds. 1,675,120; June 26.

- Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Dial indicator for gasoline pumps, etc. 1,663,100; Apr. 17.
- Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Irrigation meter. 1,670,308; May 22.
- Marden, William L., Elmhurst, assignor to Neptune Meter Company, New York, N. Y. Liquid-dispensing apparatus. 1,673,880; June 19.
- Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Gasoline filling station and plate for boilers. 1,678,923; July 24.
- Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Device for indicating variation in flow of liquids. 1,687,627; Oct. 16.
- Marder, Morris. (See Hasskari, W. S., and Marder.)
- Mardis, Paul L. (See Hall, A. J., and Mardis.)
- Mares, Cres, Corona, N. Mex. Anchor plate. 1,664,458; Apr. 3.
- Mares, Matthew, Racine, Wis. Plow. 1,678,741; July 31.
- Margason, William T., Maryville, Tenn. Oil burner. 1,670,516; May 22.
- Margerison, W. H. & A. E., & Co. (See de Tirtoff, Romain (Erté), assignor.)
- Margerison W. H. & A. E., & Co. (See Leonard, Robert L., assignor.)
- Margerison, W. H. & A. E., & Co. (See Weber, Sarah S., assignor.)
- Margerison, W. H. & A. E., & Co. (See Wilson, Edward A., assignor.)
- Margeson, Frank J., Miami, Fla. Ledger tray and card holder. 1,655,839; Jan. 10.
- Margles, Samuel G., Brooklyn, and A. E. Handy, Lynbrook, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Safety device for conveyers. 1,682,014; Aug. 28.
- Marietta Mfg. Co. (See Burgess, Martin L., assignor.)
- Marietta Manufacturing Company. (See Uhl, William, assignor.)
- Marin, Joseph M. I., Jersey City, N. J. Wearing apparel. 1,684,876; Sept. 18.
- Marine Equipment & Supply Company. (See Troth, Clement A., assignor.)
- Marinsky, Davis, Bronx, N. Y. Coupling member for attaching devices. 1,681,549; Aug. 21.
- Marinsky, Davis, New York, N. Y. Coupling member for separable fasteners. 1,681,550; Aug. 21.
- Ma Riojas, José, Eagle Pass, Tex. Wheel and tire therefor. 1,661,502; Mar. 6.
- Marion Machine, Foundry & Supply Company. (See Cook, William A., assignor.)
- Marion Machine, Foundry & Supply Company. (See Cook, W. A., and Stroup, assignors.)
- Marion Machine, Foundry & Supply Company. (See Erlewine, Walter W., assignor.)
- Marion Machine Foundry & Supply Co. (See Loucks, Albert H., assignor.)
- Marion Steam Shovel Company, The. (See Ferguson, Berlin S., assignor.)
- Marion Steam Shovel Company, The. (See Holmes, Grant, assignor.)
- Marion Steam Shovel Company, The. (See Russell, Louis R., assignor.)
- Mariotti, D. Charles, et al. (See Galterio, Elia, assignor.)
- Mariotti, Joseph J., assignor to Daprato Statuary Company, Chicago, Ill. Safe lock. Re16 919; Apr. 3.
- Mariotti, Tony, Lorain, Ohio. Surveying instrument. 1,667,599; Apr. 24.
- Mark, Abraham F., Cedar Rapids, Iowa. Humidifier. 1,685,198; Sept. 25.
- Mark, Florence G., San Diego, Calif. Sanitary garment. 1,661,952; Mar. 6.
- Mark, Hermann. (See Hoffman, H., Mark, and Herzog.)
- Mark, Wilver F., Butler, Ind. Combined heater and muffler device. 1,687,168; Oct. 9.
- Markatos, Spiros C., New York, N. Y. Supporting iron plate for boilers. 1,678,295; July 24.
- Markatos, Spiros C., New York, N. Y. Combination steam chamber. 1,679,253; July 31.
- Markel Electric Products, Inc. (See Logan, Charles W., assignor.)
- Markel Electric Products, Inc. (See Yokel, Frank, assignor.)
- Markels, Leonard, New York, N. Y. Exhaust purifier. 1,695,554; Dec. 18.
- Markem Machine Company. (See Putnam, Carl E. and F. A., assignors.)
- Markem Machine Company. (See Putnam, Fred A., assignor.)
- Markey, John J., Washington, Pa. Tinning pot. Re16,922; Apr. 3.
- Markey, Peter L., Chicago, Ill. Cuff fastener. 1,667,791; May 1.
- Markey, Peter L., Chicago, Ill. Cuff fastener. 1,670,588; May 22.
- Markham, Charles M., Indianapolis, Ind. Column clamp. 1,692,675; Nov. 20.
- Markin, Joseph, Chicago, Ill. Combination raincoat and jacket. 1,654,691; Jan. 3.
- Markman, Milton K., Crystal Lake, Ill. Sign support. Des. 75,378; May 29.
- Markon Manufacturing Co. (See Marcus, Samuel, assignor.)
- Markon Mfg. Co. Inc. (See Whitehouse, John N., assignor.)
- Markon Manufacturing Co. Inc. (See Wilhelm, John H., assignor.)
- Markow, Bernard, Brooklyn, assignor to Art Cage Manufacturing Company, Inc., New York, N. Y. Bird-cage latch. 1,657,578; Jan. 31.
- Markow, Bernard, Brooklyn, N. Y. Birdcage and the construction thereof. 1,686,242; Oct. 2.
- Marks, Albert J., assignor to Ajax Time Stamp Company, Boston, Mass. Stamping device. 1,665,597; Apr. 10.
- Marks, Alexander A., Philadelphia, Pa. Gas-fired boiler. 1,681,045; Aug. 14.
- Marks, Charles E., Hollywood, Calif. Automatically-folding trestle or horse. 1,659,113; Feb. 14.
- Marks, Edward S., Syracuse, N. Y. Tire gauge. 1,670,685; May 22.
- Marks, Edward S., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Vibration-absorbing element. 1,684,773; Sept. 18.
- Marks, Emanuel S., Brooklyn, N. Y. Electrically-illuminated artificial tree. 1,677,972; July 24.
- Marks, Isidore, Dorchester, assignor to Keystone Mfg. Co., Boston, Mass. Pump. 1,680,157; Aug. 7.
- Marks, Jacob M., New York, N. Y. Loud speaker. Des. 76,028; Aug. 14.
- Marks, John W., Oakland, Calif. Fireplace structure. 1,681,670; Aug. 21.
- Marks, Leonard V. (See Blades, N., and Marks.)
- Markus, Peter, Kansas City, Mo. Inflatable life preserver. 1,694,714; Dec. 11.
- Markwell, Harry D. (See Arrasmith, C. C., and Markwell.)
- Markwick, Frederick, Falls, Pa. Antiskidding link. 1,681,125; Aug. 14.
- Marlatt, George E., Pasadena, Calif. Typographical machine. 1,659,885; Feb. 21.
- Marlatt, George E., Pasadena, Calif. Typographical distributing machine. 1,659,886; Feb. 21.
- Marlatt, George E., Pasadena, Calif. Slug-casting mold for typographical machines. 1,670,545; May 22.
- Marlatt, George E., Pasadena, Calif. Typographical distributing machine. 1,674,684; June 26.
- Marlatt, George E., Pasadena, Calif. Typographical distributing bar. 1,676,196; July 3.
- Marlatt, George E., Pasadena, Calif. Typographical machine. 1,676,959; July 10.
- Marlatt, George E., Pasadena, Calif. Typographical machine. 1,679,317; July 31.
- Marlatt, George E., Pasadena, Calif. Typographical assembling and distributing machine. 1,679,318; July 31.
- Marlatt, George E., Pasadena, Calif. Typographical machine. 1,681,671; Aug. 21.
- Marlatt, George E., Pasadena, Calif. Typographical machine. 1,681,672; Aug. 21.
- Marles, Henry, assignor to Gemmer Manufacturing Company, Detroit, Mich. Worm-gear adjustment for motor-vehicle steering gears. 1,686,704; Oct. 9.
- Marley, Donald, Los Angeles, Calif. Vehicle brake system. 1,666,390; Apr. 17.
- Marley, Robert E., Culver City, Calif. Billiard-cue-tip holder. 1,693,037; Nov. 27.
- Marley, Samuel P., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Detonation indicator. 1,656,879; Jan. 17.
- Marley, Samuel P., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Motor fuel. 1,690,988; Nov. 6.
- Marlow, Reidar, Greenwich, Conn. Windshield wiper. 1,670,266; May 15.
- Marmion, Louis G. (See Gunther, L., and Marmion.)
- Marmion, Louis G. (See Sohn, F., and Marmion.)
- Marmion, Louis G. (See Sohn, F., Marmion, and Gibian.)
- Maruell, Joseph A., Flint, Mich. Clamp. 1,663,602; Mar. 27.
- Marohn, Albert H. F., Hamburg, Germany. Cupboard. 1,663,990; Mar. 27.
- Marois, Maurice, St. Eustache, Quebec, Canada. Cashier-protection device. 1,654,692; Jan. 3.
- Maroney, John M., Oakland, Calif. Direction-indicating signal. 1,685,330; Sept. 25.
- Marple, Rollo, assignor to Hancock Manufacturing Co., Charlotte, Mich. Locking door handle. 1,660,800; Feb. 28.
- Maquard, Frank F., Clairton, Pa. Quenching coke. 1,677,973; July 24.
- Maquard, Frank F., Clairton, Pa. Preparing flue dust for smelting in blast furnaces. 1,680,107; Aug. 7.
- Marquardt, Julius H., Chicago, Ill. Pole-strengthening means. 1,668,020; May 1.
- Marquart, Charles V., Sandusky, Ohio. Safety appliance for brake beams. 1,694,100; Dec. 4.
- Marquette Manufacturing Company. (See Burandt, Gustav A., assignor.)
- Marquette Manufacturing Company. (See Burandt, G. A., and Nordgren, assignors.)
- Marquette Manufacturing Company. (See Heimbürger, Douglas D., assignor.)
- Marquette Manufacturing Company. (See Nordgren, Algot W., assignor.)
- Marquette Manufacturing Company. (See Nordgren, A. W., and Burandt, assignors.)
- Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire building. 1,687,945; Oct. 16.
- Marquette Tool & Mfg. Company. (See Rode, Frederick J., assignor.)

- Marr, Earl, et al. (See Fletcher, George V., assignor.)
- Marr, Earl, Philadelphia, Pa., assignor to Marr Oil Heat Machine Corporation, Minneapolis, Minn. Oil-feeding mechanism for oil burners. 1,655,506; Jan. 10.
- Marr Oil Heat Machine Corporation. (See Marr, Earl, assignor.)
- Marr, Robert A., Norfolk, Va. Manufacture of fiber board. 1,680,896; Aug. 14.
- Marr, William P., Toronto, Ontario, Canada. Ground connection. 1,673,946; June 19.
- Marr, William P., Toronto, Ontario, Canada. Electric-wire connector. 1,692,414; Nov. 20.
- Marran, Vincent P., Holyoke, Mass. Snowplow. 1,687,169; Oct. 9.
- Marran, Vincent P., Holyoke, Mass. Tractor-driven scraper. 1,692,750; Nov. 20.
- Marrec Limited. (See Marrec, Yves, assignor.)
- Marrec Limited. (See Marrec, Y., and Fulda, assignors.)
- Marrec, Yves, London, England, assignor to Marrec Limited, London, England. Telegraphy and radio-telegraphy. 1,675,038; June 26.
- Marrec, Yves, Suresnes, and R. Fulda, Paris, France, assignors, by mesne assignments, to Marrec Limited, London, England. Receiving system for electric waves or currents of constant frequency. 1,682,533; Aug. 28.
- Marresford, William F., Niagara Falls, N. Y. Paper-rolling machine. 1,681,046; Aug. 14.
- Marrian, William L., Birmingham, England. Ink bottle or container. 1,657,168; Jan. 24.
- Marrinan, John, Washington, D. C. Ground anchor. 1,676,197; July 3.
- Marrison, Warren A., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Translating circuits. 1,695,051; Dec. 11.
- Marron, Paul F., Santa Barbara, Calif. Arch-support marker. 1,689,040; Oct. 23.
- Mars, Ernest P., Chicago, Ill. Finishing grinding stone. 1,658,248; Feb. 7.
- Mars, Thomas H., Chicago, Ill., assignor to Superior Engineering Company, Pump. 1,658,850; Feb. 14.
- Marsat, Antoine, J.-B., Verrieres le Buillon, France. Vehicle headlight. 1,661,077; Feb. 28.
- Marschalek, Alexander, East Rutherford, assignor to Becton, Dickinson & Co., Rutherford, N. J. Plunger clip for syringes. 1,678,991; July 31.
- Marschalk, Charles H., Paris, France. Manufacture of perylene. 1,684,738; Sept. 18.
- Marschall, Gustav, Far Rockaway, N. Y. Advertising device. 1,688,317; Oct. 16.
- Marschner, Max A., Willow Grove, Pa. Making full-fashioned hosiery and product thereof. 1,663,087; Mar. 20.
- Marsden, George, Los Angeles, Calif. Vending machine. 1,689,039; Oct. 23.
- Marsden, John E. (See Milliken, John A., assignor.)
- Marsden, John E., Philadelphia, Pa. Cushioned glass receptacle. 1,653,453; Feb. 7.
- Marsden, John E., Philadelphia, Pa. Combination electric heater and fan. 1,674,017; June 19.
- Marsden, John E., Philadelphia, Pa. Molded-glass receptacle. 1,684,498; Sept. 18.
- Marsden, John E., Philadelphia, Pa. Electric heater fan. 1,688,052; Oct. 16.
- Marse, John P. (See Pfister, L. A., Heughan, and Marse.)
- Marsh, Edward E., Wilkes-Barre, Pa. Tool for applying antiskid chains. 1,674,691; June 26.
- Marsh, Frank A. E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing tool. 1,662,251; Mar. 13.
- Marsh, Hylan N., Los Angeles, Calif. Tandem gas anchor. 1,655,817; Jan. 10.
- Marsh, Harry V., Chicago, Ill. Box. 1,656,919; Jan. 24.
- Marsh, Harry V., Chicago, Ill. Display card. 1,670,464; May 22.
- Marsh, Herbert R., Philadelphia, assignor of one-half to D. F. Ryan, Kirklyn, Pa.; Mutual Trust Company of Philadelphia, executor of said D. F. Ryan, deceased. Method of and apparatus for burning liquid fuel. 1,692,557; Nov. 20.
- Marsh, Howard E., Lompoc, Calif., assignor to J. F. Frick and E. J. Talbott, trustees. Fluid-pressure brake. 1,692,676; Nov. 20.
- Marsh, Howard E., Lompoc, Calif. Tunneling machine. 1,693,954; Dec. 4.
- Marsh, James. (See Aycock, Francis M., assignor.)
- Marsh, Jasper. (See Lee, Howard S., assignor.)
- Marsh, Jas. P., & Company. (See Rose, Alexander D., assignor.)
- Marsh, Jas. P., & Company. (See Rudolph, Walter J., assignor.)
- Marsh, Jas. P., & Company. (See Thompson, Orville W., assignor.)
- Marsh, Joseph R. C., Arlington Heights, assignor to F. N. Bard, Chicago, Ill. Steel and its manufacture. 1,684,841; Sept. 18.
- Marsh, Odessa G. (See Frasier, Harry E., assignor.)
- Marsh, Thomas A., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Furnace. 1,656,643; Jan. 17.
- Marshak, Isidore, assignor to A. Amitin, Brooklyn, N. Y. Fern stand. Des. 77,247; Dec. 18.
- Marshak, Isidore, assignor to A. Amitin, Brooklyn, N. Y. Fern stand. Des. 77,248; Dec. 18.
- Marshall, Arthur J., Dalton, assignor of one-fourth to E. T. Heaphy, Lee, and one-fourth to W. A. Heaphy, Pittsfield, Mass. Side light. 1,678,261; July 24.
- Marshall, Charles A. (See Boynton, Jesse L., assignor.)
- Marshall, Charles O., assignor to Toledo Scale Company, Toledo, Ohio. Indicating mechanism for weighing scales. 1,660,679; Feb. 28.
- Marshall, Charles O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale mechanism. 1,675,944; July 3.
- Marshall, Clinton E., Brooklyn, N. Y. Fountain pen. 1,684,402; Sept. 18.
- Marshall, Clyde E., Peach Creek, W. Va. Air-brake bleed-er valve. 1,679,837; Aug. 7.
- Marshall, David O., assignor to Mound City Wood Heel and Mfg. Co., St. Louis, Mo. Heel-blank-grooving machine. 1,689,494; Oct. 30.
- Marshall, Draper T., Vancouver, British Columbia, Canada. Food cabinet. 1,685,712; Sept. 25.
- Marshall, Edith E., Port Huron, Mich. Wrap. 1,661,768; Mar. 6.
- Marshall Field & Company. (See Nelson, Daniel, assignor.)
- Marshall Field & Company. (See Relihen, Ralph M., assignor.)
- Marshall Field & Company. (See Seitzinger, William M., assignor.)
- Marshall Field Mills Corporation. (See Stairs, Walter S., assignor.)
- Marshall Field & Company. (See Thompson, John W., assignor.)
- Marshall, Frank O., Chicago, Ill. Belting. 1,690,453; Nov. 6.
- Marshall, George G., Cleveland, Ohio. Air-regulating device for automobile radiators. 1,696,208; Dec. 25.
- Marshall, Holmes, Cleveland Heights, Ohio. Safety-deposit box. 1,657,691; Jan. 31.
- Marshall, Horace M., Vicksburg, Miss. Sheet piling. 1,679,319; July 31.
- Marshall, Ira W., assignor to Blaw-Knox Company, Pittsburgh, Pa. Adjustable leg extension for towers. 1,688,340; Oct. 23.
- Marshall, James V., assignor to New Castle Refractories Company, New Castle, Pa. Ladle lining. 1,681,943; Aug. 28.
- Marshall, John, Swarthmore, Pa., and F. H. Bergelm, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitration process. 1,660,651; Feb. 28.
- Marshall, John R., McKean, Pa. Electric switch. 1,667,293; Apr. 24.
- Marshall, John R., McKean, Pa. Conductor suspension apparatus. 1,669,719; May 15.
- Marshall, John R., McKean, Pa. Insulator. 1,678,992; July 31.
- Marshall, John R., McKean, Pa. Hook. 1,678,993; July 31.
- Marshall, John W., Chicago, Ill. Window screen. 1,672,896; June 12.
- Marshall, Norman, Waltham, Mass., assignor to Remington Arms Company, Inc. Conveying and drying apparatus. 1,677,526; July 17.
- Marshall, Thomas, Chicago, Ill. Pressure-boosting fire hydrant. 1,669,668; May 15.
- Marshall, Thomas, Jr., Chicago, Ill. Truck for storage batteries. 1,681,944; Aug. 28.
- Marshall, Thomas A., Hagerstown, assignor of one-half to The Floorola Corporation and one-half to E. J. Newcomer, Baltimore, Md. Wax distributor for floor-polishing machines. 1,693,908; Dec. 4.
- Marshall, Walter C. (See Juneau, C. G., and Marshall.)
- Marshall-Wells Company. (See Hokanson, Martin, assignor.)
- Marshall, William. (See Maise, H. C., and Marshall.)
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable striker plate. 1,655,556; Jan. 10.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Fastener. 1,664,566; Apr. 3.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Drip molding for vehicle bodies. 1,670,465; May 22.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Finish-strip assembly. 1,670,466; May 22.
- Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. All-metal door construction. 1,688,085; Oct. 16.
- Marshall, William, and P. M. Camiener, assignors to Briggs Manufacturing Company, Detroit, Mich. Finish strip for door pillars and the like. 1,670,467; May 22.
- Marshall, William H. (See Elsel, C., and Marshall.)
- Marsilius, Newman M., assignor, by mesne assignments, to The Product Machine Company, Bridgeport, Conn. Milling machine. 1,689,635; Oct. 30.
- Marstin Adhesive Company. (See Lanzendorfer, George, assignor.)
- Marston, Anson, assignor to Iowa State College of Agriculture and Mechanic Arts, Ames, Iowa. Increasing the supporting strength of conduits. 1,671,679; May 29.
- Marston, Charles F., Brooklyn, N. Y. Bumper. 1,673,692; June 12.

- Marston, Richard E., Fairport, assignor, by mesne assignments, to J. T. Bryan, Garden City, Long Island, N. Y. Vehicle shock absorber. 1,674,292; June 19.
- Marston, William P., jr., Lake Crystal, Minn. Cutter. 1,687,869; Oct. 16.
- Mart, Leon T., Kansas City, Mo. Spray-cooling-cone device. 1,658,533; Feb. 7.
- Mart, Leon T., Kansas City, Mo. Air preheater for furnaces. 1,695,434; Dec. 18.
- Marteau, Ralph L., and G. A. Schroeter, Brooklyn, N. Y. Shoe construction. 1,689,350; Oct. 30.
- Martel, Edgar J., Laconia, N. H. Locking device for automobiles. 1,693,762; Dec. 4.
- Martell, Alphonse. (See Borden, E., and Martell.)
- Martell, Charles, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine cable core and insulation therefor. 1,672,821; June 5.
- Martelle, Louis J. G., et al. (See Lapiere, G. J., and Gilligan, assignor.)
- Marten, Elmer W., Los Angeles, assignor to Monolith Hollow Wall Company, San Diego, Calif. Method of and apparatus for forming hollow concrete walls. 1,694,826; Dec. 11.
- Martens, David A., assignor to S. L. Martens, New York, N. Y. Combined door and mirror support. 1,661,899; Mar. 6.
- Martens, Sarah L. (See Martens, David A., assignor.)
- Martersteck, William T., Jackson, Mich., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Flying shear. 1,668,777; May 8.
- Marthey, Clarence T., Bowdli, Ohio. Wrench. 1,693,304; Nov. 27.
- Martien, Bertha L., Washington, D. C. Educational game board. 1,668,328; May 1.
- Martiensen, Ernst E., Hamburg, Germany. Drainage system for playing grounds. 1,665,104; Apr. 3.
- Martin, Abner R., Chester, Vt. Adjustable lamp holder. 1,688,148; Oct. 16.
- Martin, Alfred M., Chicago, Ill. Partition sheet for loose-leaf devices. 1,663,017; Mar. 20.
- Martin, Allan F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Rheostat. 1,687,628; Oct. 16.
- Martin, Arthur, Pittsburgh, Pa. Shaft coupling. 1,661,226; Mar. 6.
- Martin, Arthur H. (See Charlebois, F. J., and Martin.)
- Martin, Bert B., Marion, Ohio. Toy vehicle. 1,686,389; Oct. 2.
- Martin, Bruno, Saginaw, Mich. Blowtorch and fire pot. 1,656,745; Jan. 17.
- Martin, Bruno, Saginaw, Mich. Blowtorch. 1,662,072; Mar. 13.
- Martin, Bruno, Saginaw, Mich. Blowtorch. 1,667,429; Apr. 24.
- Martin, Charles L., Madison, N. C. Article of furniture. 1,655,153; Jan. 3.
- Martin, Claude W., Gold Hill, Ore. Registering apparatus. 1,694,763; Dec. 4.
- Martin-Colvin Co., The. (See Martin, Otto V., assignor.)
- Martin-Copeland Company. (See Pendleton, Pyam L.)
- Martin, David, Milwaukee, Wis. Furnace. 1,662,583; Mar. 13.
- Martin, Delbert J., Sacramento, Calif. Marcel iron. 1,691,895; Nov. 13.
- Martin, De Loss K. (See Blackwell, O. B., and Martin.)
- Martin, De Loss K. (See Espenschied, L., and Martin.)
- Martin, De Loss K., Orange, N. J., assignor to American Telephone and Telegraph Company. Directive radio repeating system. 1,658,851; Feb. 14.
- Martin, De Loss K., Orange, N. J., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,667,792; May 1.
- Martin, Dorr R., Detroit, Mich. Automatic cut-off device for fuel-oil burners. 1,679,163; July 31.
- Martin, Edgar W., et al, trustees. (See Pendleton, Pyam L., assignor.)
- Martin, Emile, Grenoble, France. Self-feeding lubricator. 1,696,774; Dec. 25.
- Martin, Eugene P. (See Ostendorf, John A., assignor.)
- Martin, Felix E., Los Angeles, Calif. Door controller. 1,678,122; July 24.
- Martin, Floy S. (See Stapleton, Earl M., assignor.)
- Martin, Francis G., Higher Bebington, England. Manufacture of mild-steel plates, sections, and the like. 1,675,190; June 26.
- Martin, Fred J., Oakland, Calif. Crystal detector. 1,670,589; May 22.
- Martin, Fred N., Portland, Ore. Refreshment booth. Des. 74,515; Feb. 21.
- Martin, Frederick C., Delphi, Ind. Speed boat. Des. 76,623; Oct. 16.
- Martin, Frederick H., and L. H. L'Hollier, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Slide-fastener boot and making the same. 1,670,468; May 22.
- Martin, Frederick W., Bronxville, N. Y. Container. 1,670,864; May 22.
- Martin, Frederick W., Bronxville, N. Y., assignor to Franklin Railway Supply Company. Locomotive booster. 1,689,676; Oct. 30.
- Martin, Frederick W., Manhattan Beach, N. Y., assignor to Franklin Railway Supply Company. Railway booster. 1,675,571; July 3.
- Martin, Frederick W., Brooklyn, N. Y., assignor to Franklin Railway Supply Company. Power-reverse gear. 1,689,677; Oct. 30.
- Martin, George C., Los Angeles, Calif. Device for forming slabs. 1,663,805; Mar. 27.
- Martin, George C., Los Angeles, Calif. Treating and forming pipe. 1,669,768; May 15.
- Martin, George C., Los Angeles, Calif. Pump. 1,675,945; July 3.
- Martin, George C., Los Angeles, Calif. Shock absorber. 1,685,497; Sept. 25.
- Martin, Glenn L., Co., The. (See Benson, Lester, assignor.)
- Martin, Glenn L., Company, The. (See Leisy, Clifford J., assignor.)
- Martin, Harold G., Philadelphia, Pa., and M. H. Newgirk, assignors to Martin & Newgirk, Inc., Baltimore, Md. Bearing. 1,678,152; July 24.
- Martin, Harold M., assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y. Engine-starting apparatus. 1,672,071; June 5.
- Martin, Harold S., Garfield, Utah. Concentrating mixed sulphide ores. 1,678,259; July 24.
- Martin, Harold W., San Bernardino, Calif. Adjustable tray for child's chair. 1,675,985; July 3.
- Martin, Henry, Eddyville, Ky. Hat brace. 1,696,047; Dec. 18.
- Martin, Herbert Q., Milwaukee, Wis. Safe lock. 1,659,299; Feb. 14.
- Martin, Hugh, et al, trustees. (See Smith, William J., assignor.)
- Martin, Ida K., Minneapolis, Minn. Flag stand. Des. 74,939; Apr. 17.
- Martin Iron Works. (See Cronkhite, Charles M., assignor.)
- Martin, J. B., Company. (See Hussey, C. L., and Stebbins, assignors.)
- Martin, James V., Garden City, N. Y. Hydroaeroplane. 1,672,985; June 12.
- Martin, James V., Garden City, N. Y. Vehicle speed control. 1,682,297; Aug. 28.
- Martin, James W., Milwaukee, assignor to Joannes Bros. Company, Green Bay, Wis. Collapsible box. 1,669,139; May 8.
- Martin, James W., jr., Tuckahoe, assignor to Dryice Corporation of America, New York, N. Y. Apparatus for solidifying carbon dioxide. 1,659,434; Feb. 14.
- Martin, James W., jr., Yonkers, assignor to Dryice Corporation of America, New York, N. Y. Method of and apparatus for making carbon-dioxide snow. 1,659,435; Feb. 14.
- Martin, Jesse C., jr., San Francisco, assignor to J. Morris, Los Angeles, Calif. Boiler. 1,663,806; Mar. 27.
- Martin, John D., New Straitsville, Ohio. Furnace grate. 1,673,575; June 12.
- Martin, John E. (See Kendrick, S. W., and Martin.)
- Martin, John H., Central Park, N. Y. Preparation of fur for shrinking and felting. 1,685,168; Sept. 25.
- Martin, John H., Central Park, N. Y. Preparation of fur for shrinking and felting. 1,685,169; Sept. 25.
- Martin, John R., assignor of one-half to J. S. Abercrombie and one-fourth to A. C. (Tex) Bayless, Houston, Tex. Pipe holder. 1,658,864; Jan. 17.
- Martin, Karl, Rathenow, Germany. Price-indicating balance. 1,678,153; July 24.
- Martin, Lawrence C., et al, trustees. (See Pendleton, Pyam L., assignor.)
- Martin, Lloyd M., Pekin, Ind. Induction unit. 1,668,414; May 1.
- Martin, Mark H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Truck bolster. 1,657,934; Jan. 31.
- Martin, Mark H., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Side frame. 1,673,754; June 12.
- Martin, Mark H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Side frame for car trucks. 1,681,303; Aug. 21.
- Martin, Morris, Curl Curl, near Sydney, and W. R. Werner, Nymagee, New South Wales, Australia. Internal-combustion engine. 1,666,941; Apr. 24.
- Martin & Newgirk, Inc. (See Martin, H. G., and Newgirk, assignors.)
- Martin, Norman M., Alfriston, England. Sparking plug. 1,669,487; May 15.
- Martin, Otto V., San Springs, Okla., assignor to The Martin-Colvin Co. Production of salts from brines and solutions. 1,657,633; Jan. 31.
- Martin-Parry Corporation. (See Blauser, John M., assignor.)
- Martin-Parry Corporation. (See Jacques, J., and Cosgrove, assignors.)
- Martin-Parry Corporation. (See Jeffers, Clarence E., assignor.)
- Martin-Parry Corporation. (See Small, Frederick M., assignor.)
- Martin-Parry Corporation. (See Weaver, H. A., and Smith, assignors.)
- Martin, Paul E. (See Hughes, D. P., and Martin.)
- Martin, Perry S., Harrisonburg, Va. Thermostat. 1,683,908; Sept. 11.
- Martin, Perry S., Harrisonburg, Va. Automatic temperature-controlling device for incubators. 1,694,513; Dec. 11.
- Martin, Rutherford B., assignor to Minerals Separation North American Corporation, New York, N. Y. Production of oxidized products. 1,678,403; July 24.

- Martin, Rhetherford B., Colonia, N. J., assignor to Minerals Separation North American Corporation, New York, N. Y. Froth-floatation concentration of ores. 1,686,529; Oct. 9.
- Martin, Robert E., Crozet, Va. Fruit-packing device. 1,692,677; Nov. 20.
- Martin, Robert E., assignor of three one-hundredths to L. L. Livingston and one-twentieth to E. G. Livingston, Sheridan County, Wyo. Spark arrester. 1,655,036; Apr. 3.
- Martin, Robert J., North Asbury Park, assignor to B. M. C. Patent Company, Trenton, N. J. Control mechanism for radio apparatus. 1,694,601; Dec. 11.
- Martin, Royal E., Mansfield, Ohio. Antiskid device. 1,677,353; July 17.
- Martin, Scott O., Denver, Colo. Ditching plow. Re17,117; Oct. 23.
- Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic Telephone system. Re16,975; May 22.
- Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Substation telephone circuits. 1,657,634; Jan. 31.
- Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Substation telephone circuits. 1,657,635; Jan. 31.
- Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,693,613; Dec. 4.
- Martin, Ted, et al. (See Sherrod, Robert L., assignor.)
- Martin, Thomas, assignor of one-half to C. A. Jorgensen, Piedmont, Calif. Combination license plate and tail light. 1,667,126; Apr. 24.
- Martin, Thomas B., Bell, Calif. Double cooling fan for automobiles or the like. 1,671,373; May 29.
- Martin, Thomas J., Brooklyn, N. Y. Fluid-measuring device. 1,660,757; Feb. 28.
- Martin, Thomas P., Oklahoma City, Okla. Grease cup. 1,668,510; May 1.
- Martin, Virgil L. (See Smith, J. W., Sawyer, and Martin.)
- Martin, Welcome C., Chicago, Ill. Changeable exhibitor. 1,691,551; Nov. 13.
- Martin, Wendell L., Cleveland, Ohio. Drier. 1,660,801; Feb. 28.
- Martin, Wendell L., Cleveland, Ohio. Drier. 1,660,802; Feb. 28.
- Martin, Wilbert L., Tulsa, Okla. Well flowing device. 1,692,131; Nov. 20.
- Martin, William A., Fort Worth, assignor of 50 per cent to J. R. Nelson, Grandview, Tex. Cotton-boll puller. 1,673,576; June 12.
- Martin, William C., Chicago, assignor of one-fifth to J. H. Lee, Oak Park, Ill. Wheel construction. 1,696,405; Dec. 25.
- Martin, William F. (See Tibbens, Samuel K., assignor.)
- Martin, William H., et al. (See Hansen, John, assignor.)
- Martin, William L., assignor to General Motors Corporation, Detroit, Mich. Control mechanism. 1,675,615; July 3.
- Martin, William L., assignor to General Motors Corporation, Detroit, Mich. Motor-vehicle brake mechanism. 1,690,843; Nov. 6.
- Martinat, Jean, New York, N. Y. Vanity case. 1,682,534; Aug. 28.
- Martindale, Charles A., assignor to The Reliable Machine Company, Anderson, Ind. Oil burner. 1,695,152; Dec. 11.
- Martindale, Homer D., Middletown, Ohio. Apparatus for making pulp or the like. 1,680,912; Aug. 14.
- Martindale, Homer D., Middletown, assignor, by mesne assignments, to The Black-Clawson Company, Hamilton, Ohio. Jordan-engine shell lining. 1,696,641; Dec. 25.
- Martine, A. R., Company. (See Martine, Alvin R., assignor.)
- Martine, Alvin R., Cleveland, Ohio, assignor to A. R. Martine Company, Inc., New York, N. Y. Savings bank. 1,655,390; Jan. 3.
- Martineau, Clarence R., Albany, N. Y. Shirt-sleeve supporter. 1,671,251; May 29.
- Martineau, Clarence R., assignor to I. P. C. Universal Corporation, Albany, N. Y. Seal for railway cars, etc. 1,654,547; Jan. 3.
- Martineau, Henry F., Solvay, N. Y. Grate. 1,657,683; Jan. 31.
- Martinek, Michael, Lyons, assignor to Western Wire & Iron Works, Inc., Chicago, Ill. Sliding-door lock. 1,667,600; Apr. 24.
- Martinelli, Lloyd A., and F. E. Culverwell, San Francisco, Calif. Vehicle brake construction. 1,661,435; Mar. 6.
- Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Suction cleaning apparatus. 1,694,273; Dec. 4.
- Martinet, Guy M. (See Krell, G., and Martinet.)
- Martinez, Frederick, and A. Gomez, New York, N. Y. Hemostatic. 1,690,869; Nov. 6.
- Martini, Biagio, Pittsburgh, Pa. Guide for rail-cutting torches. 1,658,811; Feb. 14.
- Martini & Huneke Maschinenbau Aktien-Gesellschaft. (See Hurlbrink, Ernst, assignor.)
- Martini, Marco, Oakmont, Pa. Calendar clock. 1,675,761; July 3.
- Martino, Letterio, Everett, Mass. Automobile signal. 1,667,165; Apr. 24.
- Martino, Natale, P. Frasca, and J. E. Oster, New York, N. Y. Humidor. 1,678,260; July 24.
- Martinson, Andrew E., New York, N. Y. Skee handle. 1,684,326; Sept. 11.
- Martinussen, Johannes P., Copenhagen, Denmark. Apparatus for cleaning boiler tubes. 1,677,836; July 17.
- Martocello, Joseph A., Philadelphia, Pa. Raw-water ice-making system. 1,681,190; Aug. 21.
- Martone, Jeremiah, Waterbury, Conn. Attachment for grinding machines. 1,694,074; Dec. 4.
- Martus, Martin L., Woodbury, and E. H. Becker, Waterbury, Conn. Primary cell. 1,673,198; June 12.
- Marty, Amos R., Ada, Ohio. Lifting jack. 1,680,228; Aug. 7.
- Martz, Charles C., assignor to Sayford Paper Specialty Company, Vineland, N. J. Sanitary headrest cover. 1,696,775; Dec. 25.
- Martz, Morris L., New York, N. Y. Thread-supporting device. 1,692,132; Nov. 20.
- Martz, Nicholas L., Chicago, Ill. Cap. 1,670,972; May 22.
- Marvel Carburetor Company. (See Guthrie, William S., assignor.)
- Marvel Carburetor Company. (See Rayfield, Charles L., assignor.)
- Marvel Carburetor Company. (See Redmond, Albert G., assignor.)
- Marvel Company, The. (See Jackson, Benjamin B., assignor.)
- Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
- Marvel, Orin E., Dayton, Ohio. Vibrometer. 1,686,138; Oct. 2.
- Marvel, Orin E., assignor to The Day-Fan Electric Company, Dayton, Ohio. Adjustable core transformer. 1,636,381; Jan. 17.
- Marvellum Company, The. (See Bracewell, Russell S., assignor.)
- Marvin, Richard H., assignor to The R. Thomas & Sons Company, East Liverpool, Ohio. Multiple-string insulator suspension. 1,690,989; Nov. 6.
- Marvin, W. H., Company, The. (See Johnson, William M., assignor.)
- Marvin, Ward W., Royal Oak, Mich. Internal-combustion engine. 1,666,295; Apr. 17.
- Marwedel, Johann E., and J. Looser, Honningen-on-the-Rhine, assignors to the firm Rhenania-Kunheim Verein Chemischer Fabriken A. G., Berlin, Germany. Purifying barium carbonate. 1,673,985; June 19.
- Marx, David H., New York, N. Y. Amusement device. 1,673,631; June 12.
- Marx, George. (See Hewitt, E. W., Maus, and Marx.)
- Marx, Harry A., Bywood, Pa., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Porcelain-root teeth. 1,682,298; Aug. 28.
- Marx, Julian C., et al. (See Lapiere, G. J., and Gilligan, assignor.)
- Marx, Léon, London, England. Support or holder for cut flowers and the like. 1,689,954; Oct. 30.
- Marx, Louis. (See Ekstein, Joseph, assignor.)
- Marx, Louis, Brooklyn, N. Y. Traffic-simulating amusement device. 1,660,716; Feb. 28.
- Marx, Louis, Brooklyn, N. Y. Toy vehicle. 1,663,169; Mar. 20.
- Marx, Louis, Brooklyn, N. Y. Roundabout toy. 1,663,379; Mar. 20.
- Marx, Louis, Brooklyn, N. Y. Traffic-simulating toy. 1,674,293; June 19.
- Marx, Louis, Brooklyn, N. Y. Circus toy. 1,681,304; Aug. 21.
- Marx, Richard, Philadelphia, Pa. Device for cutting weft threads of woven fabrics. 1,659,436; Feb. 14.
- Marx, W. & Co. (See Scholz, Richard, assignor.)
- Maryan, Colin C., Lawrence Park, Pa., assignor to General Electric Company. Flux for welding cast iron. 1,676,988; July 10.
- Maryland Baking Company. (See Shapiro, Joseph, assignor.)
- Marymont, Max J., Brooklyn, N. Y. Woman's hand bag or pocketbook. 1,680,464; Aug. 14.
- Marzetti, Manlio, Milan, Italy. Universal parallel drafting device. 1,661,538; Mar. 6.
- Marzolf, John A., Seattle, Wash. Automobile jack. 1,687,027; Oct. 9.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 74,690; Mar. 13.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 74,691; Mar. 13.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 75,379; May 29.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 75,504; June 12.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 75,741; July 10.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 76,147; Aug. 21.
- Mas, George N., Washington, D. C., assignor to American Ornamental Bottle Corporation, Lynchburg, Va. Bottle. Des. 76,819; Nov. 16.
- Mas, George N., and S. K. Lubonia, Washington, D. C. Bottle. Des. 75,854; July 24.

- Mascali, Joseph, and P. Roma. Brooklyn, N. Y.; said Roma assignor to said Mascali. Shoe tie clamping device. 1,668,415; May 1.
- Masche, Lawrence. (See Schultz, W. F., and Masche.)
- Maschinen- und Apparatebau-Arztalt G. m. b. H. (See Pferdenges, Heinrich, assignor.)
- Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Geiger, Josef, assignor.)
- Maschinenfabrik Augsburg-Nuernberg A. G. (See Jag-schitz, Konrad, assignor.)
- Maschinenfabrik Augsburg-Nuernberg A.-G. (See Ploch-mann, Maximilian, assignor.)
- Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Pielstick, Gustav, assignor.)
- Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Riehm, Wilhelm, assignor.)
- Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft. (See Wilhelm, Ottmar, assignor.)
- Maschinenfabrik Benninger A. G. (See Weiss-Oeschger, Hans, assignor.)
- Maschinenfabrik Laube, Kurt u. Rudolf Laube. (See Uhlig, Albert, assignor.)
- Maschinenfabriken Tilm Gerber Söhne & Gebr. Wansleben. (See Gerber, Wilhelm, assignor.)
- Maschmann, Rudolph, Paterson, N. J., assignor of one-half to F. W. Stellwagen, Brooklyn, N. Y. Perpetual calendar. 1,668,280; May 1.
- Masel, Simon, New York, N. Y. Fur-cutting machine. 1,660,387; Feb. 28.
- Masel, Simon, New York, N. Y. Engine transmission mechanism. 1,679,580; Aug. 7.
- Masengarb, Emil G. (See Wallin, G. E., and Masengarb.)
- Maserang, John B., Belleville, Ill. Railway tie. 1,695,770; Dec. 18.
- Masing, Georg, Berlin, and O. Dahl, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Improving the qualities of nickel beryllium alloy. 1,685,570; Sept. 25.
- Maskow, Abe, Brooklyn, N. Y. Picture-cord hood and ornament. 1,657,088; Jan. 24.
- Masl, Emil F. (See Richardson, W. H., and Masl.)
- Masley, Frank S., and A. P. Wasil, Homestead, Pa. Radio tube socket. 1,696,406; Dec. 25.
- Mason Alfalfa Process Company. (See Mason, Arthur J., assignor.)
- Mason, Arthur C., Hawthorne, N. J. Cloth-inspecting machine. 1,664,368; Mar. 27.
- Mason, Arthur J., Homewood, Ill., assignor to Mason Alfalfa Process Company. Agriculture. 1,667,428; Apr. 24.
- Mason, Arthur J., Homewood, Ill., assignor to Mason Alfalfa Process Company. Field wagon and unloading apparatus. 1,673,466; June 12.
- Mason, Arthur J., jr., Taft, Calif. Earth sampler. 1,674,117; June 19.
- Mason, Arthur R., and O. C. Failing, Medford, Oreg., assignors to Accurate Gasoline Recording Company. Recording and sales-check mechanism for fluid-dispensing pumps. 1,676,198; July 3.
- Mason, Arthur R., and O. C. Failing, Medford, Oreg., assignors to Accurate Gasoline Recording Company. Recording and sales-check mechanism for fluid-dispensing pumps. 1,693,092; Nov. 27.
- Mason, Arthur R., and O. C. Failing, Medford, Oreg., assignors to Accurate Gasoline Recording Company. Safety means for fluid-dispensing pumps. 1,694,827; Dec. 11.
- Mason Box Company, The. (See Berthold, Kenneth F., assignor.)
- Mason Box Company, The. (See Harden, Ralph L., assignor.)
- Mason, Carl T., East Orange, assignor to Tiffany Manufacturing Co., Newark, N. J. Electrical measuring instrument. 1,680,465; Aug. 14.
- Mason, Charles T., Sumter, S. C. Control mechanism. 1,664,459; Apr. 3.
- Mason, Charles T., Sumter, assignor of one-half to H. L. Buck, Conway, and one-half to R. P. Yates, Sumter, S. C. Lubricating and sealing system for rotary compressors. 1,676,103; July 3.
- Mason, Claude D. (See Bradley, C. E., and Mason.)
- Mason Corporation, The. (See Mason, Richard C., assignor.)
- Mason, Eugene G., Washington, D. C., assignor to Continental Can Company, Inc., Syracuse, N. Y. Sealed metal container. 1,672,722; June 5.
- Mason Fibre Company. (See Mason, William H., assignor.)
- Mason, Frank B., New Providence, N. J. Oil-viscosity tester. 1,659,534; Feb. 14.
- Mason, Frank C., assignor to Metal Stampings Corporation, Streator, Ill. Wood-center sweeper wheel. 1,680,950; Aug. 14.
- Mason, Frank N., assignor to W. P. John, South Brownsville, Pa. Rod packing. 1,656,880; Jan. 17.
- Mason, Frederick A. (See Dyson, G. M., Mason, and Renshaw.)
- Mason, George E. (See McLeod, R. S., Mason, and Stansfield.)
- Mason, George N., assignor to Reading Hardware Corporation, Reading, Pa. Door lock. 1,678,994; July 31.
- Mason, Harold L., London, England. Full-way or gate valve. 1,675,986; July 3.
- Mason, Hobart, Westfield, N. J. Elevator system. 1,693,851; Dec. 4.
- Mason, Howard, Saxonville, Mass. Pile-fabric loom. 1,676,039; July 3.
- Mason, Howard, Saxonville, Mass. Woven pile fabric. 1,688,341; Oct. 23.
- Mason, Joe E. (See Branum, Solomon C., assignor.)
- Mason, John G., and J. Shaw, Durham, England. Drawing device for removing wheels, pulleys, and other like objects from shafts, axles, and the like. 1,668,688; May 8.
- Mason, Mattie N. (See Gardner, Florida, assignor.)
- Mason, Max. (See Hanks, M. W., and Mason.)
- Mason, Max. (See Hayes, H. C., and Mason.)
- Mason, Max, Chicago, Ill. Determining the nature of subsoil. 1,692,849; Nov. 27.
- Mason, Max, New London, Conn., assignor to Submarine Signal Company, Portland, Me. Determination of wave-energy direction. 1,682,706; Aug. 28.
- Mason, Max C., Boston, Mass. Rotary pump. 1,686,285; Oct. 2.
- Mason, Rheiner S. (See Harrington, Bert G., assignor.)
- Mason, Richard C., et al. (See Beck, Matthias A., assignor.)
- Mason, Richard C., assignor to The Mason Corporation, Tulsa, Okla. Gas burner. 1,668,596; May 8.
- Mason, Richard C., assignor to The Mason Corporation, Tulsa, Okla. Tube or rod pulling mechanism. 1,668,649; May 8.
- Mason, Thomas, East Orange, N. J. Lavatory support. 1,657,020; Jan. 24.
- Mason, Ulysses G., Birmingham, Ala. Garment support. 1,686,830; Oct. 9.
- Mason, Warren P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system and method. 1,684,403; Sept. 18.
- Mason, William H., assignor to Mason Fibre Company, Laurel, Miss. Apparatus for and process of explosion fibrillation of ligno-cellulose material. 1,655,618; Jan. 10.
- Mason, William H., assignor to Mason Fibre Company, Laurel, Miss. Making structural insulating boards of exploded ligno-cellulose fiber. 1,663,503; Mar. 20.
- Mason, William H., assignor to Mason Fibre Company, Laurel, Miss. Press-dried structural insulating board and making same. 1,663,504; Mar. 20.
- Mason, William H., assignor to Mason Fibre Company, Laurel, Miss. Hard grainless fiber products and making same. 1,663,505; Mar. 20.
- Mason, William H., assignor to Mason Fibre Company, Laurel, Miss. Integral insulating board with hard welded surfaces. 1,663,506; Mar. 20.
- Masone, Nicholas. (See Guerra, Joseph and J., and Masone.)
- Massa, Robert F., assignor to Carbide & Carbon Chemicals Corporation, New York, N. Y. Refrigerant lubricant and lubricating refrigerating machinery. 1,696,642; Dec. 25.
- Massa, Robert F., New York, N. Y., assignor by mesne assignments, to R. and A. Penn, Des Moines, Iowa. Thermostat. Re16,940; Apr. 24.
- Massarella, John, Cincinnati, Ohio. Confectionery-coating machine. 1,688,149; Oct. 16.
- Massey, Alexander J., Los Angeles, Calif. Vehicle signal. 1,665,315; Apr. 10.
- Massey Concrete Products Corporation. (See Alexander, Earl C., assignor.)
- Massey, Cyril, Bridgeton, N. J. Convertible swing. 1,658,729; Feb. 7.
- Massey-Harris Company. (See Carlton, James A., assignor.)
- Massey-Harris Harvester Company. (See Baseman, Ernest, assignor.)
- Massey, John F., Chicago, Ill. Window. 1,696,498; Dec. 25.
- Massey, Peter J., River Forest, assignor to W. F. Hall Printing Company, Chicago, Ill. Book wrapper. 1,670,371; May 22.
- Massing, Charles A., Millcreek Township, Erie County, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa. Cooking utensil. Re17,005; June 19.
- Massing, Charles A., Millcreek Township, Erie county, assignor to The Griswold Manufacturing Company, Erie, Pa. Skillet. 1,665,037; Apr. 3.
- Massiot, Georges, Paris, France. Apparatus for checking the profiles of gear wheels, the pitch of screws, and similar articles. 1,687,946; Oct. 16.
- Masson, Charles P., Nancy, France. Support for the pylons of staging and the like. 1,679,254; July 31.
- Masson, Marcel, Vincennes, France. Plastic display. 1,688,196; Oct. 16.
- Masson, Pierre, Villeurbanne, France. Diaphragm valve for automobiles. 1,656,214; Jan. 17.
- Massopust, Herbert F., Milwaukee, Wis. Automobile trunk. 1,689,736; Oct. 30.
- Massuere, Mark H., Hollywood, Calif. Attachment for hydraulic brake systems. 1,678,677; July 31.
- Master Electric Company, The. (See Larsh, Everett P., assignor.)
- Master Products Corporation. (See Cronk, Wesley M., assignor.)
- Master, Shavuksha D., Bombay, India. Tide pump. 1,665,140; Apr. 3.
- Masters, Edwin G., Anderson, Ind. Novelty device. 1,664,695; Apr. 3.

- Maston, Edward E., assignor to Mid-West Box Company, Chicago, Ill. Device for holding rolls of paper. 1,659,276; Feb. 14.
- Mastrangel, Louis, West Hoboken, N. J. Shock absorber. 1,657,834; Jan. 31.
- Masuoka, Frank E., Shoshone, Idaho. Strainer holder. 1,658,002; Jan. 31.
- Masury, Alfred F. (See Hewitt, E. R., and Masury.)
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Seat. 1,666,391; Apr. 17.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Seat. 1,666,392; Apr. 17.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Vehicle heating system. 1,668,689; May 8.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Bus curtain. 1,668,690; May 8.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Oiling system for internal-combustion engines. 1,674,685; June 26.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Seat. 1,674,686; June 26.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Brake. 1,685,429; Sept. 25.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Suspension for electric railway motors. 1,685,430; Sept. 25.
- Masury, Alfred F., and C. Froesch, assignors to International Motor Company, New York, N. Y. Vehicle body. 1,661,187; Mar. 6.
- Masury, Alfred F., and C. Froesch, assignors to International Motor Company, New York, N. Y. Power plant mounting. 1,664,040; Mar. 27.
- Masury, Alfred F., and C. Froesch, assignors to International Motor Company, New York, N. Y. Multiwheel drive for vehicles. 1,682,299; Aug. 28.
- Masury, Alfred F., and C. Froesch, assignors to International Motor Company, New York, N. Y. Brake mechanism. 1,684,404; Sept. 18.
- Masury, Alfred F., and E. R. Gurney, Beechhurst, assignors to International Motor Company, New York, N. Y. Vehicle spring construction. 1,684,041; Sept. 11.
- Matchabelli, George, assignor to Prince Matchabelli Perfumery, Inc., New York, N. Y. Bottle or similar container. Des. 74,618; Mar. 6.
- Matchett, George H., Cleveland, Ohio. Periodical-vending machine. 1,688,821; Oct. 23.
- Matchette, Frank J., New York, N. Y. Service cabinet. 1,673,291; June 12.
- Matchette, Frank J., assignor to The Servidor Co., New York, N. Y. Service door. 1,670,372; May 22.
- Matchette, Frank J., assignor to The Servidor Company, New York, N. Y. Service cabinet. 1,686,831; Oct. 9.
- Matcchik, Joseph, Weatherly, Pa. Piston-ring tool. 1,688,467; Oct. 23.
- Matthai, Henry, San Francisco, Calif. Aeroplane. 1,668,416; May 1.
- Mathe, Vincent. (See Babitzky, S., and Mathe.)
- Mathe, William H., assignor to Johnson & Johnson, New Brunswick, N. J. Counter display appliance. Des. 75,858; July 24.
- Mather, George L., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Core. 1,657,835; Jan. 31.
- Mather, George L., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building apparatus. 1,667,263; Apr. 24.
- Mather, Gurdon C., Detroit, Mich., and O. S. Hershey, Chicago, Ill., assignors to Hershey Manufacturing Company, Denver, Colo. Automobile lock. 1,660,931; Feb. 28.
- Mather Spring Company, The. (See Nilsson, Robert W., assignor.)
- Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading system. 1,654,890; Jan. 3.
- Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier circuits. 1,655,557; Jan. 10.
- Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier circuits. 1,658,346; Feb. 7.
- Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical transmission. 1,671,302; May 29.
- Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric wave transmission. 1,678,188; July 24.
- Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way radio signaling system. 1,691,076; Nov. 13.
- Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,693,955; Dec. 4.
- Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,695,813; Dec. 18.
- Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,696,246; Dec. 25.
- Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission system. 1,696,315; Dec. 25.
- Matheson, Arthur M. (See Herlry, C. J., and Matheson.)
- Matheson, Avery A., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Display receptacle. 1,663,088; Mar. 20.
- Matheson, Donald E. (See Matheson, James H., assignor.)
- Matheson, Howard W., assignor to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Making acetic acid. 1,676,454; July 10.
- Matheson, Howard W., and J. C. Smith, Montreal, Quebec, Canada. Electrode. 1,693,794; Dec. 4.
- Matheson, Howard W., Montreal, and K. G. Blaikie, Shawinigan Falls, assignors to Canadian Electro Products Company Limited, Montreal, Quebec, Canada. Manufacture of hydroxy acid esters. 1,682,347; Aug. 28.
- Matheson, James H., Wyomissing, assignor to D. E. Matheson, Edgewood, Pa. Apparatus for making lap-welded tubes. 1,664,373; Mar. 27.
- Matheson, Martin H., Detroit, Mich. Manufacturing automobile fenders. 1,680,467; Aug. 14.
- Matheson, William A., assignor to Roll-A-Way Bed Corporation, Chicago, Ill. Convertible bed. 1,689,737; Oct. 30.
- Matheson, William A., assignor to Roll-A-Way Bed Corporation, Chicago, Ill. Hinge. 1,694,885; Dec. 11.
- Mathews, Benjamin A., Shreveport, La. Life-saving and salvaging apparatus for use with marine vessels. 1,663,412; Mar. 20.
- Mathews Brothers. (See MacKenzie, William A., assignor.)
- Mathews Conveyer Company. (See Anderson, Martin J., assignor.)
- Mathews Conveyer Company. (See Jaenicke, William H., assignor.)
- Mathews, Fred. (See Strid, Sven J., assignor.)
- Mathews Gravity Carries Company. (See Adams, Charles A., assignor.)
- Mathews, Louis T., assignor to The Let-Ta Poin-Ta Manufacturing Company, Houston, Tex. Position indicator for typing machines. 1,655,428; Jan. 10.
- Mathews, Oralee, Detroit, Mich. Hair-straightening device. 1,675,762; July 3.
- Mathews, Theodore A., assignor of 40 per cent to F. D. Johnson and W. N. Butler, trustees, Washington, Pa. Air compressor. 1,675,457; July 3.
- Mathews, William E., Birmingham, Ala. Chair for supporting and spacing concrete beam and slab reinforcing steel. 1,674,476; June 13.
- Mathewson, Maxwell I. (See Copland, A. W., and Mathewson.)
- Mathewson, Wilfred B. (See Tervo, Oscar, assignor.)
- Mathewson, Wilfred B., North Weymouth, Mass., assignor to Simmons Company, Kenosha, Wis. Mattress and side stitching the same. 1,695,736; Dec. 13.
- Mathey, Nicholas W. (See Cooke, John M., assignor.)
- Mathez, Samuel, Brooklyn, N. Y. Dial for watches or clocks. 1,670,074; May 15.
- Mathias, Margaret E., Montclair, N. J. Easel. 1,680,056; Aug. 7.
- Mathieson Alkali Works, The. (See Leach, William B., jr., assignor.)
- Mathieson Alkali Works, The. (See MacMahon, James D., assignor.)
- Mathieson Alkali Works, Inc., The. (See Mauran, Max, assignor.)
- Mathieu, Albert E., Natick, Mass. Lining for boots and shoes. 1,694,388; Dec. 11.
- Mathieu, Frank Z., Midland, Mich. Cooling and filling cap for radiators. 1,681,775; Aug. 21.
- Mathis, Herbert A. (See Ellis, H. G., and Mathis.)
- Mathisen, Kristian M., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Machine for squaring spoke stock. 1,664,861; Apr. 3.
- Mathison, Frederick C., assignor of one-third to C. L. Redfield, Chicago, Ill. Bonding metal. 1,677,354; July 17.
- Matlock, Chauncey, Brooklyn, N. Y., assignor to Monroe-Louisiana Carbon Company, Monroe, La. Apparatus for producing carbon. 1,681,945; Aug. 28.
- Matranga, Vincent J., Elizabeth, N. J. Weatherproof hinge. 1,685,002; Sept. 18.
- Matré, Victor G., Chicago, Ill. Collection box. 1,662,432; Mar. 13.
- Matson, Carl A., Lynnfield, Mass. Safety locking device for automobiles. 1,691,774; Nov. 13.
- Matson, Carl E., Chicago, Ill. Window device. 1,687,870; Oct. 16.
- Matson, Charles I., Chicago, Ill. Cuff link. 1,680,158; Aug. 7.
- Matson, Donald F., Monessen, Pa. Card. 1,696,808; Dec. 25.
- Matson, Victor A., Chicago, Ill. Sanitary fruit bowl. 1,657,862; Jan. 31.
- Matte, Andrew L., Summit, N. J., assignor to American Telephone and Telegraph Company. System of synchronizing signaling apparatus. 1,660,388; Feb. 28.
- Matte, Andrew L., Summit, N. J., assignor to American Telephone and Telegraph Company. Synchronizing signaling apparatus. 1,660,389; Feb. 28.
- Mattern, George A., Berkeley, Calif. Knit-fabric-pressing machine. 1,671,646; May 29.
- Mattern, George W., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Handle grip. 1,687,170; Oct. 9.
- Mattern, William G. (See Heeter, A., and Mattern.)

- Mattes, Leo A., Berkeley, Calif. Insect-poison feeder. 1,666,538; Apr. 17.
- Matteson, George F., Rockyhill, assignor to The F. B. Shuster Company, New Haven, Conn. Wireworking machine. 1,695,255; Dec. 11.
- Matteson, George F., Rockyhill, assignor to The Fuller Brush Company, Hartford, Conn. Stop-motion mechanism. 1,689,287; Oct. 30.
- Matteson, George F., Rockyhill, assignor to The Fuller Brush Company, Hartford, Conn. Wire-bending machine. 1,691,159; Nov. 13.
- Matteson, Jesse V., Jr., Santa Rosa, Calif. Ortho rotot plane. 1,665,171; Apr. 3.
- Matteson, Jesse V., Jr., Santa Rosa, Calif. Practice device for golfers. 1,680,897; Aug. 14.
- Matthael, Frederick C. (See Snell, Samuel A., assignor.)
- Matthal, John C., assignor to The Homeland Mfg. Co., Baltimore, Md. Miniature or toy fence section. 1,691,728; Nov. 13.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley frog. 1,682,136; Aug. 28.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-wire clamp. 1,685,431; Sept. 25.
- Matthew, Francis H., M. A. Broadbent, and F. C. B. Vosgerau; said Vosgerau assignor of his right to L. H. Barknrecht, Venice, Calif. Current-conducting apparatus. 1,692,087; Nov. 20.
- Matthews, Albert K., Oak Park, Ill. Wall fixture. 1,661,188; Mar. 6.
- Matthews, Albert T., Thomaston, Ga. Ring-lubricating means for spinning and twisting frames. 1,671,198; May 29.
- Matthews, Blanche E., Los Angeles, Calif. Electric iron-cord control. 1,665,316; Apr. 10.
- Matthews, Edgar M., Jamaica, N. Y., assignor to American Telephone and Telegraph Company. Cable terminal. 1,654,657; Jan. 3.
- Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,655,967; Jan. 10.
- Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic switch. 1,680,426; Aug. 14.
- Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Temperature-control system. 1,682,391; Aug. 28.
- Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Control device. 1,687,680; Oct. 16.
- Matthews, Howard D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Measuring temperature. 1,691,247; Nov. 13.
- Matthews, Howard D., and R. F. Bisbee, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company. Testing electric heating devices. 1,664,221; Mar. 27.
- Matthews, Howard W., assignor to Dexdale Hosiery Mills, Lansdale, Pa. Yarn-cleaning device. 1,659,956; Feb. 21.
- Matthews, Howard W., assignor to Dexdale Hosiery Mills, Lansdale, Pa. Yarn-cutting means for knitting machines. 1,691,887; Nov. 13.
- Matthews, J. Marsh. (See Mohler, Valentin J., assignor.)
- Matthews, Jesse, Absecon, N. J. Speed-warning device. 1,679,320; July 31.
- Matthews, Orville S., assignor of one-third to L. E. Lamm, Parsons, Kans. Locomotive-tender tank valve. 1,690,742; Nov. 6.
- Matthews, Ralph G., Toronto, Ontario, Canada, assignor to Colgate and Company, Jersey City, N. J. Shaving-stick holder. 1,654,693; Jan. 3.
- Matthews, Ransdell, San Francisco, Calif. Bottle stopper. Des. 76,547; Oct. 9.
- Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)
- Matthews, W. N., Corporation. (See Hart, Ira B., assignor.)
- Matthews, W. N., Corporation. (See Heinrich, Walter A., assignor.)
- Matthias, Gilbert L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making laminated strips. 1,667,009; Apr. 24.
- Matthies, Otto. (See Dieterle, W., Matthies, and Reistötter.)
- Matthies, Otto, Dessau, P. Wulff, Starnberg, and W. Dieterle, and B. Wendt, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Manufacturing photographic silver halide emulsions and products obtained thereby. 1,673,522; June 12.
- Matthiessen & Hegeler Zinc Co. (See Gerlach, O., and Ostman, assignors.)
- Matthiessen, Paul, and A. D. Möller, Hamburg, Germany. Testing dock for submarines. 1,663,346; Mar. 20.
- Matthiessen, Ralph H., and W. B. Eddison, Irvington, N. Y. Device for checking the operation of vehicles. 1,690,827; Nov. 6.
- Matthyssen, George, Inglewood, Calif. Lighting fixture. 1,658,206; Feb. 7.
- Matti, Jean, Pully, Switzerland. Making baked food products. 1,680,898; Aug. 14.
- Mattinen, John, Bellefonte, Pa. Boat. 1,655,472; Jan. 10.
- Mattingly Automatic Valve Company. (See Mattingly, Charles F., assignor.)
- Mattingly, Charles F., assignor to Mattingly Automatic Valve Company, St. Louis, Mo. Master cylinder for hydraulic brakes. 1,696,721; Dec. 25.
- Mattingly, Edward H., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Railway car. 1,694,424; Dec. 11.
- Mattingly, Julia B., Washington, D. C. Device for securing together pieces of material. 1,691,775; Nov. 13.
- Mattis, Frank, Dayton, Ohio. Radio loud speaker. 1,692,994; Nov. 27.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Double-belt sander. 1,665,749; Apr. 10.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Wood-turning machine. 1,666,906; Apr. 24.
- Mattison, Carl L., assignor to Mattison Machine Works, Rockford, Ill. Detachable bearing head for cutter shafts and the like. 1,692,460; Nov. 20.
- Mattison Machine Works. (See Mattison, Carl L., assignor.)
- Mattison Machine Works. (See Medholdt, Louis T., assignor.)
- Mattison Machine Works. (See Vivarttas, William O., assignor.)
- Mattison Machine Works. (See Vivarttas, W. O., and Medholdt, assignors.)
- Mattison, Norman D., Montclair, N. J. Golf club. 1,676,270; July 10.
- Mattison, Norman D., New York, N. Y. Arch-controlling device. 1,688,642; Oct. 23.
- Mattison, Richard V., Ambler, Pa., assignor to Keasbey & Mattison Company. Millboard product and process. 1,678,345; July 24.
- Mattison, Richard V., Ambler, Pa., assignor to Keasbey & Mattison Company. Millboard product and process. 1,678,346; July 24.
- Mattison, Richard V., Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company. Cement product. 1,687,681; Oct. 16.
- Mattison Engine Works. (See Chuse, Harry A., assignor.)
- Mattison, Alfred, et al. (See Weed, Harley D., assignor.)
- Mattison, David, et al. (See Weed, Harley D., assignor.)
- Mattison, Victor C., Loomis, Nebr. Rotary engine. 1,673,632; June 12.
- Mattsson, Alfred G. (See McCarten, J., and Mattsson.)
- Mattsson, Alfred G., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,666,905; Apr. 24.
- Matzdorf, Georg. (See Reddelien, G., and Matzdorf.)
- Matzelle, Ferdinand, Saginaw, Mich. Dough cutter. 1,688,283; Oct. 16.
- Matzner, Hyman, New York, N. Y. Radiodial. 1,674,603; June 19.
- Ma, Edward A., and O. F. Hutchinson, New Haven, Conn., assignors, by mesne assignments, to Rockbestos Products Corporation. Insulated wire. 1,685,369; Sept. 25.
- Mauborgne, Joseph O., and G. Hill, Washington, D. C. System of radio communication. 1,676,404; July 10.
- Mauck, Victor, Merion, Pa. Apparatus for exchange of heat. 1,667,450; Apr. 24.
- Mauck, Victor, Merion, Pa. Gas water heater. 1,687,101; Oct. 9.
- Maude, William, Fergus, Ontario, Canada. Stool. 1,663,603; Mar. 27.
- Maudslay, Reginald W., Coventry, England. Roof for closed vehicle bodies. 1,678,262; July 24.
- Maughlin, Harry P., Columbus, Ohio. Identification sign. 1,657,089; Jan. 24.
- Maughmer, John W. (See Bonner, C. E., and Maughmer.)
- Maulme, Fernando, Guayaquil, Ecuador. Typewriter. 1,656,491; Jan. 17.
- Maupin, Graves R., assignor to The J. Faessler Manufacturing Company, Moberly, Mo. Aligning device. 1,677,837; July 17.
- Maupin, Graves R., assignor to The J. Faessler Manufacturing Company, Moberly, Mo. Flaring expander. 1,680,798; Aug. 14.
- Mauran, Max, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Heat exchanger. 1,673,918; June 19.
- Mauran, Max, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Multiunit tank car. 1,685,926; Oct. 2.
- Maurel, Henry F., Providence, R. I. Preparing a fuel product. 1,682,680; Aug. 28.
- Maurer, Asher, Newark, N. J. Headlight. 1,677,678; July 17.
- Maurer, Darwin W., et al. (See Parrish, Benjamin E., assignor.)
- Maurer, E. W. (See Parrish, Benjamin E., assignor.)
- Maurer, Elmer B. (See Bloss, R. R., Pfeil, and Maurer.)
- Maurer, Franz, assignor to the firm Landis & Gyr A.-G., Zug, Switzerland. Chart-recording meter. 1,663,807; Mar. 27.
- Maurer, Jakob, Konstanz, Germany. Process and device for operating upon human teeth. 1,664,369; Mar. 27.
- Maurer, John H., Long Beach, Calif. Combination fastener. 1,664,696; Apr. 3.
- Maurer, John M., Oakland, Calif. Vehicle mounting. 1,673,467; June 12.
- Maurer, Louis A., Irvington, N. J., assignor to General Electric Company. Exhaust-tube remover. 1,667,001; Apr. 24.

- Maurichi-Goshikaisha. (See Fukagawa, Kijiro, assignor.)
 Mauro, Benoit, Brooklyn, N. Y. Organ. 1,666,032; Apr. 10.
 Maury, Alfred D., Ilion, assignor, by mesne assignments, of one-third to G. A. Braun, Syracuse, N. Y. Actuating mechanism for pressing machines. 1,676,866; July 10.
 Maus, Frank J. (See Hewitt, E. W., Maus, and Marx.)
 Mauser, Alfons, Cologne-Marienburg, Germany. Contalner. 1,664,985; Apr. 3.
 Mauser, Alfons, Cologne-Marienburg, Germany. Welding machine. 1,665,815; Apr. 10.
 Mauser, Alfons, Cologne-Marienburg, Germany. Reenforcing the walls of packing cases. 1,667,793; May 1.
 Mauser, Alfons, Cologne-Marienburg, Germany. Barrel and like container. 1,678,010; June 12.
 Mauser, Alfons, Cologne-Marienburg, Germany. Closure for receptacles. 1,673,011; June 12.
 Mauser, Alfons, Cologne-Marienburg, Germany. Container such as barrel, drum, or the like. 1,683,788; Sept. 11.
 Maussner, Frederick C., Collingswood, N. J. Ice-saving pad. 1,689,351; Oct. 30.
 Mauterer, Arthur, Dortmund, Germany. Making piles. 1,689,678; Oct. 30.
 Mauthe, Gustav. (See Thauss, A., Mauthe, and Günther.)
 Mautner, Charles, Brooklyn, N. Y. Frame-joint construction. 1,665,816; Apr. 10.
 Mautner, Louis, Brooklyn, N. Y. Bowl or similar article of silverware. Des. 75,978; Aug. 7.
 Mauz, Karl, Wurttemberg, Germany. Machine for sorting bristles, hairs, fibers, and the like according to desired lengths. 1,689,679; Oct. 30.
 Mavis Bottling Company of America. (See Sindall, Robert A., assignor.)
 Mavis, Firn C., and G. B. Sampair, Tacoma, Wash. Sawyer's indicator for sawmill log carriages. 1,683,909; Sept. 11.
 Mayor & Coulson, Limited. (See Davies, Albert W., assignor.)
 Mayor and Coulson, Limited. (See Thomson, James, assignor.)
 Mavrogenis, Aristote, Milwaukee, Wis. Wireless receiving apparatus. 1,660,803; Feb. 28.
 Mavrogenis, Aristote, Milwaukee, Wis. Rectifier. 1,671,598; May 29.
 Mavrogenis, Aristote, Milwaukee, Wis. Electron-discharge device. 1,684,104; Sept. 11.
 Maw, Francis R., assignor to Rice & Adams Corporation, Buffalo, N. Y. Bottle-advancing mechanism. 1,679,939; Aug. 7.
 Mawby, John H., West Midland, Western Australia, Australia. Pneumatically-driven ship. 1,676,150; July 3.
 Mawhinney Last Company. (See Lawton, Andrew S., assignor.)
 Mawson, John, Vine Place, Sunderland, England, assignor, by mesne assignments, to C. T. Knapp, Chicago, Ill. Gas producer. 1,658,789; Feb. 7.
 Max Ams Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)
 Max Ams Machine Company, The. (See Brenzinger, Julius, assignor.)
 Max Ams Machine Company, The. (See Lange, Paul H., assignor.)
 Maxey, Robert E. L., New York, N. Y. Railroad tie. 1,686,097; Oct. 2.
 Maxfield, Joseph P., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Phonograph system. 1,661,539; Mar. 6.
 Maxim, Hiram H., assignor to The Maxim Silencer Company, Hartford, Conn. Controlling the exhaust of internal-combustion engines. 1,673,414; June 12.
 Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,695,435; Dec. 18.
 Maxim, Hudson, deceased, Hopatcong Borough, N. J.; L. Maxim, executrix. Generating motive fluid. 1,683,085; Sept. 4.
 Maxim, Lillian, executrix. (See Maxim, Hudson.)
 Maxim Silencer Company, The. (See Maxim, Hiram H., assignor.)
 Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
 Maxim, William D., and E. A. Mahannah, New York, N. Y., assignors to International Paper Company. Mechanism for the control of electric steam generators. 1,678,995; July 31.
 Maximoff, Alexander T., New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacture of erythrene. 1,682,919; Sept. 4.
 Maximoff, Alexander T., New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacture of thiuram monosulphides. 1,682,920; Sept. 4.
 Maximoff, Juvenal, and M. S. De Costa, born Vincent, Versailles, and R. P. D. Krebs, otherwise known as Luc Gallicanne, Paris, France. Apparatus for refining metals. 1,681,191; Aug. 21.
 Maximoff, Juvenal, and M. S. De Costa, née Vincent, Huningue, France. Centrifugal liquid crucible. 1,684,800; Sept. 18.
 Maxmoor Corporation. (See Moore, Arlington, assignor.)
 Maxon, Curtis, Sawtelle, Calif. Latch. 1,660,515; Feb. 28.
 Maxon, Harry R., Muncie, Ind. System for gathering gas from oil tanks, etc., of refineries. 1,689,352; Oct. 30.
 Maxon, Samuel L., assignor to Oneida Community, Limited, Oneida, N. Y. Mark-exhibiting device for tableware. 1,670,159; May 15.
 Maxson, Frank P., Chicago, Ill. Coping saw. 1,665,317; Apr. 10.
 Maxson, Joe E. (See Essex, F. C., and Maxson.)
 Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,795; Mar. 13.
 Maxson, Louis A., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,679,133; July 31.
 Maxwell, Cora B. (See Field, Cyrus W., assignor.)
 Maxwell, Cora B., executrix. (See Field, Cyrus W.)
 Maxwell, Francis, Wallington, England. Machine for crushing and shredding sugar cane and like material. 1,690,823; Nov. 6.
 Maxwell, Herbert C. (See Crumbach, H., and Maxwell.)
 Maxwell, Howard, Schenectady, N. Y., assignor to General Electric Company. Induction motor. 1,680,688; Aug. 14.
 Maxwell, Howard, Schenectady, N. Y., assignor to General Electric Company. Induction motor. 1,685,677; Sept. 25.
 Maxwell, James D., Brooklyn, N. Y. Salinometer, test, and gauge cock. 1,679,485; Aug. 7.
 Maxwell, Joel M., Sedalia, Mo. Bird trap. 1,677,723; July 17.
 Maxwell, John, P. C. Hoffmann, and C. E. McCoy, assignors, by mesne assignments, to Virginia-Carolina Chemical Corporation, Richmond, Va. Preparing purified phosphoric acid. 1,688,822; Oct. 23.
 Maxwell, John S., assignor to Starr Plano Company, Richmond, Ind. Pneumatic action. 1,664,041; Mar. 27.
 Maxwell, Maxwell C., assignor to The Yale and Towne Manufacturing Company, Stamford, Conn. Padlock. 1,690,938; Nov. 6.
 Maxwell, William, Conway, N. Dak. Swimming device. 1,673,292; June 12.
 May, Adam J., assignor, by mesne assignments, to Ritter Dental Mfg. Company, Inc., Rochester, N. Y. Headrest. 1,686,631; Oct. 9.
 May & Baker Limited. (See Stickings, Ralph W. E., assignor.)
 May, Clarence L., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 1,679,617; Aug. 7.
 May, David T., Port Washington, and C. G. McCormick, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Cable-splicing machine. 1,681,245; Aug. 21.
 May, Eugene, Jr., Washington, D. C., and R. J. Bullen, Arlington, Va., assignors to the Government and the People of the United States of America. Plant-propagating device. 1,655,731; Jan. 10.
 May, Frederick T., Montclair, N. J., assignor to Westinghouse Lamp Company. Electron-emission device. Des. 76,947; Nov. 20.
 May, Heinz, Hannover, Germany. Restretchable tennis racket. 1,665,598; Apr. 10.
 May Hosiery Mills. (See Perry, Napoleon J., assignor.)
 May, Jesse G., Pueblo, Colo. Shoe-display rack. 1,670,973; May 22.
 May, John W. (See Olsen, T., and May.)
 May, John W., Belmont, Mass. Box-toe blank and material for use in making the same. 1,659,827; Feb. 21.
 May, Karl H., Berlin, Germany, assignor to General Electric Company. Synchronoscope. 1,659,606; Feb. 21.
 May, Karl H., Berlin, Germany, assignor to General Electric Company. Electric apparatus. 1,674,477; June 19.
 May Oil Burner Corporation. (See Webber, Joseph T., assignor.)
 May, Otto A., Albuquerque, N. Mex. Lock. 1,666,786; Apr. 17.
 Maybach, Karl, Friedrichshafen, assignor to Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Free-wheel mechanism. 1,663,380; Mar. 20.
 Maybach, Karl, assignor to the firm Maybach Motorenbau Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Controlling the transmission gear of motor vehicles. 1,674,557; June 19.
 Maybach Motorenbau Gesellschaft mit beschränkter Haftung. (See Maybach, Karl, assignor.)
 Maycen, Othmar, New York, N. Y. Washing machine. 1,691,523; Nov. 13.
 Maycen, Othmar, New York, N. Y. Washing machine. 1,691,524; Nov. 13.
 Mayer, Alexander, et al. (See Bekesch, Anna, assignor.)
 Mayer, Alfred, Duluth, Minn. Screen. 1,685,823; Oct. 2.
 Mayer, Augustine, St. Augustine, Fla. Cooling device. 1,664,636; Apr. 3.
 Mayer, Bertram, and H. Stebenbürger, assignors to the firm: Society of Chemical Industry in Basle, Basel, Switzerland. Vat dyestuffs by dehalogenating polyhalogenvioletanthrones. 1,658,003; Jan. 31.
 Mayer, Bertram, Basel, and J. Grimmer, Neuwelt, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Trisazo dyes derived from dehydro-thio-p-toluidine-sulphonie acid and resorcinol and making same. 1,667,327; Apr. 24.
 Mayer, Charles P., Elizabeth, N. J. Flow meter. 1,665,141; Apr. 3.

- Mayer, Clarence, assignor to Natures Rival Co., Chicago, Ill. Garment. 1,655,818; Jan. 10.
- Mayer, David E. (See Hinger, J. A., Mayer, and Wilson.)
- Mayer, Emil, Vienna, Austria, assignor to Drem Products Corporation, New York, N. Y. Device for optically measuring light, photometer. Re16,879; Feb. 14.
- Mayer, Emil, Vienna, Austria, assignor to Drem Products Corporation, New York, N. Y. Exposure meter. 1,662,156; Mar. 13.
- Mayer, Emil, Vienna, Austria, assignor to Drem Products Corporation, New York, N. Y. Bromoil brush. 1,663,208; Mar. 20.
- Mayer, Emil, Berlin, Germany. Starting connection for alternating motors. 1,672,897; June 12.
- Mayer, Emil, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arrangement for use in telephony. 1,694,131; Dec. 4.
- Mayer, Emil M., Cincinnati, Ohio. Handle attachment for baby walkers. 1,668,650; May 8.
- Mayer, Frank, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Inserting tubular rivets. 1,692,182; Nov. 20.
- Mayer, Fred, Philadelphia, Pa. Pocket construction. 1,664,460; Apr. 3.
- Mayer, Fred W., Chicago, Ill. Gear-ratio-changing mechanism. 1,664,303; Mar. 27.
- Mayer, George, Bronx, N. Y. Attachment for moving-picture projectors. 1,658,454; Feb. 7.
- Mayer, George A., Lakewood, Ohio, assignor to United Autographic Register Company, Chicago, Ill. Transfer cylinder for offset printing. 1,670,418; May 22.
- Mayer, George F., Chicago, Ill. Permutation padlock. 1,686,632; Oct. 9.
- Mayer, Godfried J., Buffalo, N. Y. Mechanism for operating screw machines and the like. 1,688,197; Oct. 16.
- Mayer, Herman, Philadelphia, Pa. Apparatus for softening silk, yarn, and the like. 1,684,925; Sept. 18.
- Mayer, Julian T., E. Levis, New York, and H. Schum, Bronx, assignors, by mesne assignments, to Rudolph Wuritzer Mfg. Co., North Tonawanda, N. Y. Piano. 1,687,028; Oct. 9.
- Mayer, Leo, assignor to Henry Cole Company, Boston, Mass. Electric-lamp socket. 1,684,356; Sept. 11.
- Mayer, Matthew A., et al. (See Stricker, Charles J., assignor.)
- Mayer, Milton M. (See Buckingham, Benjamin J., assignor.)
- Mayer, Paul, Vienna, Austria. Device for holding and applying cosmetics and the like. 1,693,151; Nov. 27.
- Mayer, Waldemar F., assignor to The Alba Corporation, St. Albans, Vt. Doubling machine. 1,670,974; May 22.
- Mayer, Walter S., Philadelphia, Pa. Blasting gun. 1,670,419; May 22.
- Mayer, William, New York, N. Y. Trailer hoist and coupler. Re17,124; Nov. 6.
- Mayer, William H., Jr., New York, N. Y. Textile fabric. Des. 76,029; Aug. 14.
- Mayer, William J., Roxborough, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch-mechanism handle. 1,684,499; Sept. 18.
- Mayers, Alfred C., assignor of one-half to H. W. Garman and one-half to B. S. Settrini, San Jose, Calif. Hinge. 1,658,386; Feb. 7.
- Mayers, Horace C. (See Montgomery, Leon F., assignor.)
- Mayers, Wilbur S., Fairmont, W. Va. Universal sand damper for hot-gas conduits. 1,663,915; Mar. 27.
- Mayes Brothers Tool Manufacturing Company. (See Mayes, John, assignor.)
- Mayes, John, assignor to Mayes Brothers Tool Manufacturing Company, Port Austin, Mich. Line and surface level. 1,670,267; May 15.
- Mayes, John, assignor to Mayes Brothers Tool Manufacturing Company, Port Austin, Mich. Spirit level. 1,691,776; Nov. 13.
- Mayes, John, assignor to Mayes Brothers Tool Manufacturing Company, Port Austin, Mich. Plasterer's float. 1,691,777; Nov. 13.
- Mayes, John, assignor to Mayes Brothers Tool Manufacturing Company, Port Austin, Mich. Cementing compound. 1,693,488; Nov. 27.
- Mayette, Anne D., Cleveland, Ohio. Cushion for sink strainers. 1,664,521; Apr. 3.
- Mayette, Edgar, Canisteo, N. Y. Amusement apparatus. 1,666,018; Apr. 10.
- Mayfield, Monroe S., East St. Louis, Ill. Rock-candy confection. Des. 74,380; Feb. 7.
- Mayhew, James E., New York, N. Y. Pocket instrument. 1,655,429; Jan. 10.
- Mayhew, Joseph H., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Aspirator. 1,659,695; Feb. 21.
- Mayhew, Ralph, New York, N. Y. Interchangeable selective controlling means including player for musical instruments. 1,657,169; Jan. 24.
- Mayhew, Sanford B., Marietta Township, Whatcom County, Wash. Spits used in preparing salmon for barbecue. 1,683,834; Sept. 11.
- Mayhew, Sidney W., Waitua, New Zealand. Direction indicator for vehicles. 1,688,086; Oct. 16.
- Mayhood, Reginald G. W., San Leandro, Calif. Combination ventilator and canopy. 1,666,101; Apr. 17.
- Mayland, Walter C. (See Linstrom, Eric B., assignor.)
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens-surfacing machine. 1,659,277; Feb. 14.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens-grinding machine. 1,662,157; Mar. 13.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Fluid-abradant-supplying means. 1,666,713; Apr. 17.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Bevel-edging machine. 1,666,746; Apr. 17.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Grindstone mounting. 1,672,573; June 5.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Surfacing machine. 1,672,574; June 5.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Edging machine. 1,679,224; July 31.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens cutter. 1,683,295; Sept. 4.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Grindstone. 1,688,468; Oct. 23.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Stapling machine or tacker. 1,671,733; May 29.
- Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Stapling machine or tacker. 1,687,871; Oct. 16.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tube manufacture. 1,669,260; May 8.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Producing rubber tubes. 1,682,923; Sept. 4.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for tube manufacture. 1,687,872; Oct. 16.
- Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Inserting valves in annular tubes. 1,694,225; Dec. 4.
- Maynard, Howard E. (See Freeman, L. C., Maynard, and Breer.)
- Maynard, Howard E., Detroit, assignor of one-half to Chrysler Corporation, Highland Park, Mich., and one-half to Aluminum Company of America, Pittsburgh, Pa. Piston. 1,655,968; Jan. 10.
- Maynard, John E., assignor to The Draper-Maynard Company, Plymouth, N. H. Baseball. 1,668,969; May 8.
- Maynard, John E., assignor to The Draper-Maynard Company, Plymouth, N. H. Padded guard for athletes' wear. 1,670,935; May 22.
- Maynard, Milton A., Suisun, Calif. Signaling device. 1,662,711; Mar. 13.
- Mayne, Daniel I. (See Ulrey, D., and Mayne.)
- Maynes, Emma C. (See Maynes, Hyla F., assignor.)
- Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Knockdown support. 1,674,734; June 26.
- Mayo, Benjamin F., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on pieces of sheet material. 1,695,555; Dec. 18.
- Mayo, Milford C., assignor of one-half to F. Forest, Canton, Ohio. Humidifier for internal-combustion engines. 1,654,984; Jan. 3.
- Mayock, Michael, et al. (See Ganny, L. C., and Goldberg, assignors.)
- Mayock, Thomas J., et al. (See Ganny, L. C., and Goldberg, assignors.)
- Mayol, Frank E., Youngstown, Ohio. Lead pencil. 1,669,342; May 8.
- Mayol, Frank E., Franconia, N. H. Magazine lead pencil. 1,692,981; Nov. 20.
- Mayone Brick Co., Inc. (See Mayone, John B., assignor.)
- Mayone, John B., Saugerties, N. Y., assignor to Mayone Brick Co., Inc. Brick-pallet-setting installation. 1,668,118; May 1.
- Mays, James J. (See Heagerty, W. H., and Mays.)
- Mays, James M., Pittsburgh, Pa. Mop holder. 1,656,948; Jan. 24.
- Mays Manufacturing Co., The. (See Mays, William C. S., assignor.)
- Mays, William C. S., assignor to The Mays Manufacturing Co., Inc., Providence, R. I. Forming a tapered plate member. 1,656,123; Jan. 10.
- Mays, William C. S., assignor to The Mays Manufacturing Co., Inc., Providence, R. I. Clip for writing instruments. 1,662,073; Mar. 13.
- Maytag Company, The. (See Blanks, W. C., Snyder, and Mikulasek, assignors.)
- Maytag Company, The. (See Snyder, Howard F., assignor.)
- Maze, Augustus E., Orange, N. J. Resinous composition of matter and making same. 1,683,835; Sept. 11.
- Maze, Gail D. (See Werner, Earl W., assignor.)
- Mazzocco, Dante V., assignor to The Surface Combustion Co. Incorporated, New York, N. Y. Regulating apparatus. 1,690,829; Nov. 6.
- Mazzocco, James, Gallup, N. Mex. Beet-topping machine. 1,687,730; Oct. 16.

- Mazzur, Amedee S., Waban, Mass. Signal system. 1,685,853; Oct. 2.
- McAbee, Louis A., Baltimore, Md. Safety razor. 1,670,309; May 22.
- McAbee, Louis U., Oakland, assignor to California Transit Company, Stockton, Calif. Body and chassis construction for motor vehicles. 1,684,677; Sept. 18.
- McAdam, Dunlap J., jr., Annapolis, Md., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Testing machine. 1,660,270; Feb. 21.
- McAdam, Josiah W., Vancouver, British Columbia, Canada. Drawing-board support. 1,654,594; Jan. 3.
- McAdam, Josiah W., Vancouver, British Columbia, Canada. Copyholder. 1,668,970; May 8.
- McAdam, Josiah W., Vancouver, British Columbia, Canada. Closed automobile body. 1,671,433; May 29.
- McAdams, Harry, Philadelphia, Pa., assignor of one-half to J. W. Starr, 3d, Atlantic City, N. J. Circular-knitting machine. 1,683,203; Sept. 4.
- McAdams, William L., Coquille, Oreg. Magnetic ore separator. 1,686,917; Oct. 9.
- McAfee, Almer M., and G. I. Roberts, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Making aluminum chloride. 1,690,990; Nov. 6.
- McAleer, Charles H., Detroit, Mich. Cleansing and polishing compound. 1,662,582; Mar. 13.
- McAllen, Anna I., Portland, Oreg. Automatic coffee-making machine. 1,668,540; May 1.
- McAllister, Hugh, Wishaw, Scotland. Utensil for molding sugar sweetmeats. 1,661,227; Mar. 6.
- McAllister, Lemuel E., Quincy, Ill. Headlight shield. 1,656,983; Jan. 24.
- McAlpine, Robert, St. Mary's, Ontario, Canada. Telephone-mouthpiece sanitary cap. 1,671,734; May 29.
- McArdle, Michael W., Chicago, Ill. Storage and carrying case. Des. 76,198; Aug. 28.
- McArdle, Michael W., Chicago, Ill. Sheep-shear blade. 1,669,420; May 15.
- McArdle, Michael W., Chicago, Ill. Razor strop. 1,694,389; Dec. 11.
- McArdle, Michael W., Chicago, Ill. Contact device for electrically-energized implements. 1,694,715; Dec. 11.
- McArthur, Arthur R. (See Loyd, W. C., and McArthur.)
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Apparatus for packing doubled sheets and plates. 1,683,982; Sept. 11.
- McArthur, Arthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Doubling apparatus. 1,696,097; Dec. 18.
- McArthur Brothers Mercantile Co. (See McArthur, Warren, jr., assignor.)
- McArthur, Charles D., Pittsburgh, Pa. Machine for boring tapering holes. 1,668,119; May 1.
- McArthur, Charles D., Berkeley, Calif. Joint for furniture and the like. 1,690,124; Nov. 6.
- McArthur, Clyde E. (See Schmidt, J. E., and McArthur.)
- McArthur R., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Apparatus for crowning annealing boxes. 1,696,686; Dec. 25.
- McArthur, Warren, jr., assignor to McArthur Brothers Mercantile Co., Phoenix, Ariz. Motometer mounting and lock. 1,679,908; Aug. 7.
- McAtee, John L., New York, N. Y., assignor, by mesne assignments to Scovill Manufacturing Company, Waterbury, Conn. Sifter top. 1,656,746; Jan. 17.
- McAtee, John L., New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip stick. 1,675,365; July 3.
- McAtee, John L., Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box and compact therefor. 1,690,587; Nov. 6.
- McAuley, Patrick F., Buckner, Ill. Pen and pencil holder. 1,663,055; Mar. 20.
- McAuliff, Florence, Mandan, N. Dak. Rotary screen cleaner for conical and cylindrical screens. 1,681,422; Aug. 21.
- McAuliffe, Patrick D., Los Angeles, Calif. Cabinet door. 1,668,595; May 8.
- McAvoy, Daniel E., Long Island City, N. Y. Building construction. 1,692,508; Nov. 20.
- McBean, Douglas M. (See Howe, D. W., Pickett, and McBean.)
- McBee Binder Company, The. (See Roe, Alexander B., assignor.)
- McBee Binder Co., The. (See Welk, Nelson S., assignor.)
- McBride, Arthur C., San Diego, Calif. Vehicle steering wheel. 1,679,164; July 31.
- McBride, Arthur C., San Diego, Calif. Vehicle brake-pedal-holding means. 1,681,192; Aug. 21.
- McBride, Arthur C., and F. W. Renworth, assignors of one-third to C. H. E. Remondino, San Diego, Calif. Automobile engine-hood retaining and locking means. 1,692,558; Nov. 20.
- McBride, James H., Spokane, Wash. Annunciator. 1,670,629; May 22.
- McBride, Marva, San Francisco, Calif. Pillow. Des. 74,381; Feb. 7.
- McBride, Sarah R., Royersford, Pa. Lady's undergarment. 1,674,909; Jan. 26.
- McBride, William B., Akron, Ohio. Dust cap for tire-inflating tubes. 1,673,293; June 12.
- McBrien, Roger W., Alton, Ill. Thermostatically-operated electric switch. 1,689,210; Oct. 30.
- McBurney, John D., and E. H. Nollau, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather substitute. 1,656,284; Jan. 17.
- McCabe, Edward B., assignor to Carbondale Machine Company, Carbondale, Pa. Heat interchanger. 1,663,209; Mar. 20.
- McCabe, Eugene H., assignor to French Battery Company, Madison, Wis. Dry cell. 1,670,040; May 15.
- McCabe, Frank E., Chagrin Falls, assignor to The Rathbone Machine Company, Cleveland, Ohio. Molding machine. 1,666,577; Apr. 17.
- McCabe, Frank E., Chagrin Falls, assignor to The Rathbone Machine Company, Cleveland, Ohio. Automatic control for the ramming heads of molding machines. 1,666,578; Apr. 17.
- McCabe, Ira C. (See Armstrong, R. W., and McCabe.)
- McCabe, Ira E., Chicago, Ill. Safety overload device. 1,657,681; Jan. 31.
- McCabe, Ira E., Chicago, Ill. Pressure-actuated circuit control. 1,662,122; Mar. 13.
- McCabe, Ira E., Chicago, Ill. Control for electrically-operated heat-generating systems. 1,674,051; June 19.
- McCabe, Ira E., Chicago, Ill. Safety electric control device. 1,675,897; July 3.
- McCabe, Ira E., Chicago, Ill. Housing for light-actuated switches. 1,675,898; July 3.
- McCabe, Ira E., Chicago, Ill. Thermal safety device. 1,681,421; Aug. 21.
- McCabe, Ira E., Chicago, Ill. Temperature-actuated electric control device. 1,686,286; Oct. 2.
- McCabe, Ira E., Chicago, Ill. Expandable and contractible element and mounting therefor. 1,687,842; Oct. 16.
- McCabe, Ira E., Chicago, Ill. Pressure-actuated electric-circuit control. 1,690,689; Nov. 6.
- McCabe, Ira E., and R. W. Armstrong, Chicago, Ill., said Armstrong assignor to The Arcless Contact Company. Mercury switch. 1,674,601; June 19.
- McCabe, Ira E., Chicago, and R. W. Armstrong, Wilmette, Ill.; said Armstrong assignor to The Arcless Contact Company. Temperature-control switch. 1,691,016; Nov. 6.
- McCabe, Raleigh, Chicago, Ill. Combination undergarment. 1,659,406; Feb. 14.
- McCaffrey, Henry G., Galt, Ontario, Canada. Air-circulating device for air ducts. 1,677,974; July 24.
- McCahan, Ralph, Canton, Ohio. Printing-press chase. 1,682,762; Sept. 4.
- McCahey, George F., assignor to J-M-Braider Co., Providence, R. I. Carrier for braiding machines. 1,657,219; Jan. 24.
- McCain, Albert B., Reward, Calif. Grip cage grab for deep-well pumps. 1,693,764; Dec. 4.
- McCain, Paul H., assignor to Economy Screw Corporation, Chicago, Ill. Making nuts. 1,684,238; Sept. 11.
- McCain, Paul H., assignor to Economy Screw Corporation, Chicago, Ill. Machine for heading blanks. 1,690,419; Nov. 6.
- McCain, William J., Livingston, Ala. Air-circulating fire-back. 1,693,614; Dec. 4.
- McCaleb, Albert G., Chicago, Ill., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield-cleaner motor. 1,667,559; Apr. 24.
- McCalister, Jacob. (See Caldwell, William A., assignor.)
- McCall, Arthur B. (See Richards, Silas G., assignor.)
- McCall, Arthur B., Springfield, Ill. Loud-speaker extension. Des. 75,859; July 24.
- McCall, Arthur B., Springfield, Ill. Terminal connector. Des. 76,030; Aug. 14.
- McCall, George, Woodside, and J. E. Reid, assignors to International Motor Company, New York, N. Y. Container bogie. 1,693,700; Dec. 4.
- McCall, William B., Cincinnati, Ohio. Power-transmission device. 1,680,899; Aug. 14.
- McCallum, Guyl, Silverdale, assignor of one-half to J. Signal, Kitsap County, Wash. Brake-band-riveting tool. 1,672,271; June 5.
- McCallum Hosiery Company. (See Egan, J. J., and Gregor, assignors.)
- McCallum, John, Glasgow, and H. P. H. Anderson, Lanarkshire, Scotland. Steam-power installation. 1,661,900; Mar. 6.
- McCallum, John, Glasgow, and H. P. H. Anderson, Calderbank, Scotland. Reciprocating pump. 1,688,978; Oct. 23.
- McCallum, Wallace, Minburn, Iowa. Ventilating attachment for milk-can covers. 1,675,503; July 3.
- McCalmont, Albertus W., assignor, by mesne assignments, to V. E. Nelson, Pontiac, Mich. Carburetor. 1,681,358; Aug. 21.
- McCandless, Byron, Annapolis, Md. Roll-holding camera. 1,695,382; Dec. 18.
- McCandless, Henry W., New Albany, Ind. Stanchion. 1,676,568; July 10.
- McCandless, Edgar S., Topeka, Kans. Road-grading machine. 1,690,374; Nov. 6.
- McCann, Alfred R. (See Johannesmeyer, C. G., and McCann.)
- McCann, Clyde F., San Francisco, Calif. Slow-closing faucet. 1,668,165; May 1.
- McCann, Clyde F., San Francisco, Calif. Machine switching system for telephone exchanges. 1,688,725; Oct. 23.
- McCann, George M., Newcastle, Del. Breech-opening mechanism. 1,662,977; Mar. 20.

- McCann, George M., New Castle, Del. Gun. 1,673,294; June 12.
- McCann, Harry P., Cleveland, Ohio. Apparatus for heating and transfer of articles. 1,668,164; May 1.
- McCann, James J., Kearny, N. J., and C. G. Birdsall, Elmhurst, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,670,690; May 22.
- McCann, John F. (See Johnson, C. E., and McCann.)
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,681,993; Aug. 28.
- McCarten, John, and A. G. Mattson, Detroit, Mich. Furnace. 1,669,720; May 15.
- McCarthy, Charles S., Toledo, Ohio. Vehicular toy. 1,654,985; Jan. 3.
- McCarthy, Charles T., South Weymouth, assignor of one-half to E. R. Wharton, Medford, Mass. Handles for portable incandescent lamps. 1,675,763; July 3.
- McCarthy, Charlotte E., et al. (See Auble, Lawrence, assignor.)
- McCarthy, Daniel J., Elgin, assignor to Chicago Railway Signal & Supply Company, Carpentersville, Ill. Signal-light-supporting structure. 1,666,102; Apr. 17.
- McCarthy, Henry T., Los Angeles, Calif. Sink and garbage receptacle. 1,654,742; Jan. 3.
- McCarthy, Hugh E. (See Mettler, Arthur L., assignor.)
- McCarthy, John A., St. Joseph, Mo. Shingle. 1,658,685; Feb. 7.
- McCarthy, John A., St. Joseph, Mo. Shingle. 1,670,469; May 22.
- McCarthy, John E., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Damper for blanket and curtain drying machines. 1,679,940; Aug. 7.
- McCarthy, John J., Middleboro, Mass., assignor to Colonial Brass Company, Middleboro, Mass. Potato-chip machine. 1,666,019; Apr. 10.
- McCarthy, Joseph A., Jamaica, N. Y. Deflector-flue cap. Des. 75,803; July 17.
- McCarthy, Louis, assignor to The Macallen Company, Boston, Mass. Press platen or the like. 1,671,647; May 29.
- McCarthy, Louis, assignor to The Macallen Company, Boston, Mass. Press platen. 1,671,648; May 29.
- McCarthy, Louis, assignor to The Macallen Company, Boston, Mass. Method of and apparatus for separating and cleaning mica. 1,695,383; Dec. 18.
- McCarthy, Thomas F. (See Moss, M., and McCarthy.)
- McCartie, Thomas, Newark, N. J. Electrolyte level gauge. 1,694,687; Dec. 11.
- McCartie, Thomas D., Newark, assignor of one-half to J. D. Cardinell, Montclair, N. J. Pressure booster for grease guns. 1,659,039; Feb. 14.
- McCartney, Will C., Cambridge, Ohio. Tray for condiment sets. Des. 75,273; May 22.
- McCartney, Will C., Cambridge, Ohio. Tray or similar article. Des. 75,380; May 29.
- McCarty, Earnest, et al. (See Bowers, Arlan L., assignor.)
- McCarty, Eugene J., Clinton, Mass. Automobile jack. 1,666,971; Apr. 24.
- McCarty, Richard J., jr., Bethlehem, Pa., assignor to Bethlehem Steel Company. Auxiliary locomotive support. 1,675,456; July 3.
- McCarty, Richard J., jr., Bethlehem, Pa., assignor to Bethlehem Steel Company. Auxiliary locomotive. 1,696,610; Dec. 25.
- McCarty, Thomas E., and H. E. Salisbury, Oakland, Calif. Storage battery. 1,692,217; Nov. 20.
- McCarty, William J., Murdock, Minn. Foot-operated steering gear. 1,685,332; Sept. 25.
- McCasky, Alfred S., Chicago, Ill. Grave marker. Des. 76,251; Sept. 4.
- McCasky Register Company, The. (See Dunning, W. E., and Bachofen, assignors.)
- McCathran, William R., assignor to Warthen Train Control Corporation, Washington, D. C. Reversing switch. 1,654,986; Jan. 3.
- McCathron, Claude B., assignor to Josiah Anstice & Co. Inc., Rochester, N. Y. Vegetable-peeling machine. 1,664,304; Mar. 27.
- McCathron, Claude B., assignor to Josiah Anstice & Co. Inc., Rochester, N. Y. Vegetable-peeling machine. 1,687,171; Oct. 9.
- McCauley, Ernest G., Dayton, Ohio. Screw mechanism for adjustable and reversible pitch propellers. 1,668,971; May 8.
- McCauley, Ernest G., Dayton, Ohio. Propeller-hub spinner. 1,668,972; May 8.
- McCauley, Ernest G., Dayton, Ohio. Aircraft propeller. 1,693,450; Nov. 27.
- McCauley, Ernest G., and F. W. Caldwell, Dayton, Ohio; said Caldwell assignor to Standard Steel Propeller Company. Reversible propeller. 1,658,385; Feb. 7.
- McCauley, Ernest G., and F. W. Caldwell, Dayton, Ohio; said Caldwell assignor to Standard Steel Propeller Company. Propeller-control mechanism for reversible or adjustable pitch propellers. 1,693,451; Nov. 27.
- McCauley, Francis P., Westbury, N. Y. Dispensing pump. 1,681,866; Aug. 21.
- McCauley, Charles G., Jacksonville, Fla. Rail bond. 1,696,316; Dec. 25.
- McCausland, John W., Chicago, Ill. Automobile bumper. Des. 75,274; May 22.
- McCausland, William H. (See Daniels, F. C. T., and McCausland.)
- McChesney, Donald S., Syracuse, N. Y., assignor to Hall & McChesney Inc., Syracuse, N. Y. Loose-leaf book. 1,689,401; Oct. 30.
- McChesney, Horace B., Montclair, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Apparatus for testing the aptitude of keyboard operators. 1,688,935; Oct. 23.
- McChesney, John S., Chicago, Ill., assignor, by mesne assignments, to The Gerrard Company, Inc., San Francisco, Calif. Wire-tying machine. 1,682,015; Aug. 28.
- McChesney, John S., Chicago, Ill., assignor, by mesne assignments, to The Gerrard Company, Inc., San Francisco, Calif. Method of and machine for producing deformed wire ties. 1,682,016; Aug. 28.
- McClain, Thomas H., Cliffside Park, N. J., and R. B. Dale, assignors to M. J. Gordon, New York, N. Y. Dog-racing apparatus. 1,655,394; Jan. 3.
- McClanahan, Fred C. (See Bott, Wister P., assignor.)
- McClaren, James F., Washington, D. C. Awning for vehicles. 1,660,878; Feb. 28.
- McClary Manufacturing Co., The. (See Brand, Edward D., assignor.)
- McClary Manufacturing Co., The. (See Gunn, John M., assignor.)
- McClary, Nelson A., Empire, Mich. Vehicle-actuated gate. 1,672,723; June 5.
- McClatchie, John M., assignor to The Borden Company, New York, N. Y. Pump. 1,687,029; Oct. 9.
- McClatchie, John M., assignor to The Borden Company, New York, N. Y. Pump. 1,689,791; Oct. 30.
- McClatchie, John M., assignor to The Borden Company, New York, N. Y. Apparatus for testing cans for leakage. 1,694,828; Dec. 11.
- McClave, Bernard D. (See McClave, Stephen W., jr., R. P., and B. D.)
- McClave, Roscoe P. (See McClave, Stephen W., jr., R. P., and B. D.)
- McClave, Roscoe P. and S. W., jr., Cliffside, N. J. Apparatus for the removal of snow. 1,665,503; Apr. 10.
- McClave, Stephen W., jr. (See McClave, Roscoe P. and S. W., jr.)
- McClave, Stephen W., jr., R. P., and B. D., Cliffside, N. J. Sewer boat. 1,692,133; Nov. 20.
- McClearen, William M., Exeter, Calif. Brush mill. 1,657,682; Jan. 31.
- McCleary, Elmer T., Youngstown, Ohio. Double sheet drier and galvanizing apparatus. 1,670,817; May 22.
- McCleary, Harry C., Washington, D. C. Supporting unit for vehicles. 1,664,305; Mar. 27.
- McCleary Hydraulic Brake Company. (See Price, William G., assignor.)
- McCleery, Martin B., Pleasantville, Ohio. Tinner's riveting mandrel. 1,659,407; Feb. 14.
- McCleery, Martin B., Pleasantville, Ohio. Closet-flushing tank. 1,670,975; May 22.
- McClellan, Benjamin S., and E. C. Cook, conservator, Chicago, Ill.; K. B. McClelland, now conservator by court order in lieu of said E. C. Cook, resigned. Track liner. 1,672,898; June 12.
- McClellan, Kate B., now conservator. (See McClellan, Benjamin S.)
- McClellan, Samuel A., Salineville, Ohio. Window. 1,694,886; Dec. 11.
- McClelland, A. B. (See Welch, Abraham L., assignor.)
- McClelland Casket Hardware Company. (See McClelland, Charles I., assignor.)
- McClelland, Charles I., assignor to McClelland Casket Hardware Company, Richmond, Ind. Casket handle. Des. 74,751; Mar. 20.
- McClelland, William H., Huntingdon, assignor to Davis Brick Machinery Company, Mount Union, Pa. Hopper. 1,674,556; June 19.
- McClelland, William H., Huntingdon, assignor, by mesne assignments, to R. P. M. Davis, Mount Union, Pa. Sanding device. 1,676,406; July 10.
- McClellon Locomotive Boiler Company. (See Bean, William L., assignor.)
- McClenaghan, Walter R. (See Hauserman, E. F., Mowery, McClenaghan, and Murrell.)
- McClintock, O. B., Company. (See Hanson, E. C., and Hallquist, assignors.)
- McClintock, O. B., Company. (See Jones, William E., assignor.)
- McClintock, O. B., Company. (See Lawrence, E. G., and Blair, assignors.)
- McClintock, Thaddeus S., Pittsburgh, Pa. Burglar alarm. 1,686,457; Oct. 2.
- McCloskey, Alfred C., Philadelphia, Pa. Pipe cutter and burr remover. 1,674,440; June 19.
- McCloskey, Frederick W. (See Bethel, Claude, and McCloskey.)
- McCloskey, Leo, Essex, Ontario, Canada. Pipe vise and stand. 1,686,023; Oct. 2.
- McCloud, Edward H., Columbus, assignor to The Central Brass and Fixture Company, Springfield, Ohio. Bumper. 1,689,076; Oct. 23.
- McCloud, Edward H., Columbus, assignor to The Central Brass & Fixture Company, Springfield, Ohio. Automobile bumper. 1,689,147; Oct. 23.
- McCloud, Edward H., Columbus, assignor to The Central Brass Fixture Company, Springfield, Ohio. Automobile bumper and tire carrier. 1,689,148; Oct. 23.

- McCloud, Edward H., Columbus, assignor to The Central Brass & Fixture Company, Springfield, Ohio. Automobile spare-wheel carrier and bumper. 1,689,149; Oct. 23.
- McCloud, Edward H., Columbus, assignor to The Central Brass and Fixture Company, Springfield, Ohio. Bumper. 1,692,751; Nov. 20.
- McCluney, William R., Warrensburg, Mo. Tack and brad driver. 1,690,588; Nov. 6.
- McClure, Elmer P., La Grange, Ill. Light-projecting device. 1,685,609; Sept. 25.
- McClure, John, Bombay, India. Dumping barge or vessel. 1,671,037; May 22.
- McClure, Ralph R., San Francisco, Calif. Method of and apparatus for lubricating friction surfaces. 1,678,347; July 24.
- McClure, Thomas O., Piedmont, Calif. Road impediment. 1,671,303; May 29.
- McClure, William R., Chicago, Ill. Shoe fastener. 1,694,101; Dec. 4.
- McClurg, William J., Pittsburgh, Pa. Water heater. 1,670,665; May 22.
- McCluskey, Sibley B., Fresnillo, Mexico. Process and apparatus for cyaniding ores containing precious metals. 1,658,249; Feb. 7.
- McClymont, Bryce W., and H. D. Yoder, assignors to Penberthy Injector Company, Detroit, Mich. Combined filler and drainer. 1,661,002; Feb. 28.
- McColl, Archibald I., assignor to H. M. S. McColl, Kalamazoo, Mich. Paper holder. 1,686,458; Oct. 2.
- McColl, Francis P., Ridgewood, N. J. Machine for and method of making can-opening keys and attaching the same. 1,669,833; May 15.
- McColl, Helen M. S. (See McColl, Archibald I., assignor.)
- McColley, Robert C., Indianapolis, Ind. Lifting jack. 1,656,382; Jan. 17.
- McColley, Robert C., Indianapolis, Ind. Windshield wiper. 1,694,390; Dec. 11.
- McCollum, Burton, Chevy Chase, Md. Method and apparatus for determining the contour of subterranean strata. 1,672,495; June 5.
- McCollum, Burton, Washington, D. C. Method and apparatus for studying geologic contours. 1,675,121; June 26.
- McCollum, Burton, Washington, D. C. Method and apparatus for studying geologic contours. 1,676,619; July 10.
- McCollum, James H. K., assignor of one-half to B. J. Wright, Long Branch, N. J., and one-fourth to A. J. Baruth, Lawrence, N. Y. Constant-volume and constant-compression engine and operating same. 1,695,714; Dec. 18.
- McComb, Henry G., New York, N. Y., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Vehicle suspension. 1,689,883; Oct. 30.
- McComb, Henry G., New York, N. Y., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Shock absorber. 1,689,884; Oct. 30.
- McComsey, Thomas H., Los Angeles, Calif. Electric pad. 1,660,518; Feb. 28.
- McComsey, Thomas H., Los Angeles, Calif. Cloth or fabric. 1,670,075; May 15.
- McComsey, Thomas H., Los Angeles, Calif. Electrical connection. 1,692,678; Nov. 20.
- McConahy, Newell C., Tyrone, Pa. Indicator. 1,662,463; Mar. 13.
- McConkey, Montgomery W. (See Blackmore, L., and McConkey.)
- McConkey, Montgomery W., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,664,180; Mar. 27.
- McConkey, Montgomery W., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,673,416; June 12.
- McConkey, Montgomery W., assignor to Bendix Brake Company, Chicago, Ill. Reinforced brake shoe. 1,673,417; June 12.
- McConkey, Montgomery W., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake control. 1,694,075; Dec. 4.
- McConnell, Duncan A., Montclair, N. J., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric horn. 1,676,455; July 10.
- McConnell, Samuel M., Tampa, Fla. Heating apparatus. 1,668,417; May 1.
- McConnell, Walter J., Cleveland, Ohio. Work and tool holder. 1,683,253; Sept. 4.
- McConner, Charles R. (See Colbert, A. H., McConner, and Baker.)
- McConnon, John W., Palmerston North, Wellington, New Zealand. Container for liquids. 1,679,984; Aug. 7.
- McConway & Torley Company, The. (See George, Enoch, Jr., assignor.)
- McConway & Torley Company, The. (See Kelso, William, assignor.)
- McConway & Torley Company, The. (See Regan, William J., assignor.)
- McConway & Torley Company, The. (See Regan, W. J., and George, assignors.)
- McConway & Torley Company, The. (See Regan, W. J., and Kelso, assignors.)
- McCook, Arthur J., Stratford, Conn., assignor to American Chain Company, Inc. Bumper bracket. 1,686,287; Oct. 2.
- McCord, Frank P., Mexico, Mo. Arch supporter. 1,667,328; Apr. 24.
- McCord Radiator & Mfg. Co. (See Bailey, Claude B., assignor.)
- McCord Radiator & Mfg. Co. (See Gould, John H., assignor.)
- McCord Radiator & Mfg. Co. (See Harris, Joseph D., assignor.)
- McCord Radiator & Mfg. Co. (See Owston, Charles W., assignor.)
- McCord Radiator & Mfg. Co. (See Pickhard, George H., assignor.)
- McCord Radiator & Mfg. Co. (See Wallace, William G., assignor.)
- McCorkel, Floyd L. (See McCorkel, Merritt G. and F. L.)
- McCorkel, Merritt G. and F. L., Washta, Iowa. Farm gate. 1,662,318; Mar. 13.
- McCorkindale, William P., Holyoke, Mass. Producing folded toilet-seat covers. 1,676,499; July 10.
- McCorkle, Donald H., Berkeley, assignor, by mesne assignments, to G. W. Anderson, Chula Vista, Calif. Furnace-ignition device. 1,668,859; May 8.
- McCormick, Bradley. (See Weichsel, H., and McCormick.)
- McCormick Brothers Company. (See Halvorsen, Axel I. S., assignor.)
- McCormick Bros. Company. (See Ostler, Clarence M., assignor.)
- McCormick, Charles G. (See May, D. T., and McCormick.)
- McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. Des. 74,619; Mar. 6.
- McCormick, Francis H., Glen Ellyn, Ill., assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. Des. 76,548; Oct. 9.
- McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Electrically-heated device. 1,662,031; Mar. 6.
- McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Chicago, Ill. Electric oven. 1,672,724; June 5.
- McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Chicago, Ill. Electric heater. 1,672,725; June 5.
- McCormick, Francis H., Glen Ellyn, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Water heater. 1,685,642; Sept. 25.
- McCormick, Francis H., and J. P. Dwyer, Perth, Western Australia, Australia. Machine for the pickling of grain. 1,696,048; Dec. 18.
- McCormick, Fred W., Grand Rapids, Mich. Cupboard latch. Des. 76,351; Sept. 18.
- McCormick, Harold V., Long Beach, N. Y., assignor, by mesne assignments, to Shur Loc Elevator Safety Corporation, Newark, N. J. Elevator. 1,679,092; July 31.
- McCormick, Harold V., Long Beach, assignor to Shur Loc Elevator Safety Co. Inc., New York, N. Y. Elevator. 1,688,823; Oct. 23.
- McCormick, Jesse A., Franklin Park, Va., and C. A. Cabell, assignors to National Lime Association, Washington, D. C. Cementitious composition. 1,656,984; Jan. 24.
- McCormick, Loyd S., Leavenworth, Kans. Combination heel stop and cushion. 1,674,687; June 26.
- McCormick, Robert, Ames, Iowa. Surveyor's device. 1,675,946; July 3.
- McCormick, Thomas J., Detroit, Mich. Vehicle tire cover. 1,696,009; Dec. 18.
- McCormick, William E., assignor to Melodelite Corporation, New York, N. Y. Portable electric light. Des. 76,759; Oct. 30.
- McCornack, Herbert, Glen Ridge, N. J. Air washer and carburetor. 1,661,540; Mar. 6.
- McCornack, Herbert, Glen Ridge, N. J. Centrifugal separator. 1,662,199; Mar. 13.
- McCornack, Herbert, Glen Ridge, N. J. Pulsator for milking machines. 1,682,392; Aug. 28.
- McCourt, John T., assignor of one-half to R. I. Guy, Los Angeles, Calif. Gas burner. 1,690,743; Nov. 6.
- McCoy, Clarence E. (See Maxwell, J., Hoffmann, and McCoy.)
- McCoy, Melvin W., Springfield, Ill. Jack for self-propelling vehicles. 1,694,076; Dec. 4.
- McCoy, Walter E., New York, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Safety switch. 1,656,383; Jan. 17.
- McCoy, Walter E., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,687,629; Oct. 16.
- McCoy, William C. (See Russon, Harry R., assignor.)
- McCoy, William C. (See Spindler, Herman C., assignor.)
- McCoy, William C., assignor to The Cleveland Trust Company, Cleveland, Ohio. Electrical indicating instrument. 1,674,688; June 26.
- McCray, Day C., assignor, by mesne assignments, to N. Paine, Oshkosh, Wis. Ironing-board cabinet. 1,667,897; May 1.
- McCray, Day C., Oshkosh, Wis., assignor to N. Paine, Miami Beach, Fla. Ironing cabinet. 1,679,581; Aug. 7.
- McCray, Loise B., Carthage, Mo., and W. V. Morgan, Baxter Springs, Kans. Drying device. 1,674,910; June 26.
- McCrea, Hugh A., Schenectady, N. Y., assignor to General Electric Company. Control of electric circuits. 1,669,097; May 8.
- McCreary, Charles C., assignor of one-half to W. V. Raser, Portland, Ore. Weed killer. 1,669,343; May 8.
- McCreary, Edward J. (See McCreary, John and E. J.)

- McCreary, John and E. J., Cohoes, N. Y. Machine for treating blankets or fabrics. 1,679,255; July 31.
- McCreary, Thomas W., assignor to The Phoenix Glass Company, Monaca, Pa. Fish bowl or similar article. Des. 76,252; Sept. 4.
- McCreary, Thomas W., assignor to The Phoenix Glass Company, Monaca, Pa. Fish bowl or similar article. Des. 77,018; Nov. 27.
- McCree, Andrew A., St. Paul, Minn. Valve-actuating mechanism for concrete mixers. 1,664,427; Apr. 3.
- McCreery, Thomas R., West Philadelphia, Pa. Safety razor. 1,661,123; Feb. 28.
- McCreight, Major I., et al. (See Eyeremma, Peter, assignor.)
- McCrery, Harold E., Apollo, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Shipping drum. 1,671,735; May 29.
- McCrery, Harold E., Apollo, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Shipping drum and assembling the same. 1,672,822; June 5.
- McCrery, Harold E., and A. E. Jesser, Apollo, assignors to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Shipping drum. 1,673,256; June 12.
- McCrery, William H., Maryland, Md. Crate and making same. 1,655,793; Jan. 10.
- McCrink, Patrick J., Detroit, Mich. Rim spreader. 1,666,142; Apr. 17.
- McCrosky Tool Corporation. (See Fisher, Frederick, assignor.)
- McCrosky Tool Corporation. (See Manning, Howard H., assignor.)
- McCrystal, Robert C. (See Field, Herbert D., assignor.)
- McCue, Harry J., Cleveland, Ohio, assignor to Richardson Corporation, Rochester, N. Y. Beverage dispenser. 1,670,373; May 22.
- McCue, Martin A., Long Branch, N. J. Drain valve. Re16,844; Jan. 3.
- McCuean, George A., Sharpsburg, Pa. Self-tightening pipe union. 1,691,851; Nov. 13.
- McCuen, Charles L., assignor to Perfection Engineering Company, Detroit, Mich. Manifold construction. 1,659,659; Feb. 21.
- McCuen, Charles L., Chicago, Ill., assignor, by mesne assignments, to Frigidaire Corporation. Pump for refrigerating apparatus. 1,688,342; Oct. 23.
- McCuen, Frederick H. (See Sattler, D. S., and McCuen.)
- McCullar, William M., Allenville, Ill. Coupling link. 1,661,487; Mar. 6.
- McCulloch, Alfred H., Boston, Mass. Furnace-regulator unit. 1,665,599; Apr. 10.
- McCulloch, Charles A. (See Ripken, Hugo F., assignor.)
- McCulloch, J. J., et al. (See Moss, G. R., and Parks, assignors.)
- McCulloch, Leon, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electron-emitting element. 1,695,899; Dec. 18.
- McCullough, Craig, Seattle, Wash. Golf-club-grip guide. 1,664,257; Mar. 27.
- McCullough, Frederick S. (See Koch, Earl L., assignor.)
- McCullough, Frederick S. (See Willard, T. A., and McCullough.)
- McCullough, Frederick S., Wilkensburg, Pa. Helium space discharge tube. 1,661,436; Mar. 6.
- McCullough, Frederick S., Wilkensburg, Pa. Degasifying radiotubes. 1,677,900; July 24.
- McCullough, Gilbert C., assignor to Premier Products Company, Detroit, Mich. Upholstery-filling device. 1,669,721; May 15.
- McCullough, Ira J., Walnut Park, Calif. Outside pipe cutter. 1,672,330; June 5.
- McCullough, Paul J., assignor, by mesne assignments, to Scullin Steel Co., St. Louis, Mo. Articulated car. 1,657,579; Jan. 31.
- McCullough, Paul J., assignor to Scullin Steel Co., St. Louis, Mo. Journal-box-securing means. 1,661,669; Mar. 6.
- McCullough, Paul J., assignor to Scullin Steel Co., St. Louis, Mo. Magnetic pulley. 1,685,498; Sept. 25.
- McCullough, William T., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,686,140; Oct. 2.
- McCune, Catherine, Denver, Colo. Mask for facial treatments. 1,693,452; Nov. 27.
- McCune, George W., assignor of one-half to J. A. Cornell, Bridgeport, Conn. Centralizing pistons. 1,654,595; Jan. 3.
- McCune, Joseph C. (See Farmer, C. C., and McCune.)
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,685,855; Oct. 2.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load device. 1,685,856; Oct. 2.
- McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Split-reduction device. 1,693,652; Dec. 4.
- McCurdy, Elias H., Rochester, N. Y. Ironing machine. 1,660,622; Feb. 28.
- McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Short-circuiting switch. 1,677,193; July 17.
- McCurdy, Ralph G., Englewood, and P. W. Blye, Rutherford, N. J., assignors to American Telephone and Telegraph Company. Electrical testing system. 1,694,425; Dec. 11.
- McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Electric wave filter for variable-load circuits. 1,679,434; Aug. 7.
- McCurdy, Ralph G., Englewood, N. J., assignor to American Telephone and Telegraph Company. Telephone system with auxiliary signaling circuit. 1,681,246; Aug. 21.
- McCurdy, Robert P., Pittsburgh, Pa., and F. W. Hochstetter, Dayton, Ohio, assignors, by mesne assignments, to said Hochstetter. Nonglare electric lamp for headlights. 1,695,464; Dec. 18.
- McCutchen, Lex G., St. Louis, Mo. Fracture device. 1,662,464; Mar. 13.
- McDade, James E., Chicago, Ill. Memorization device. 1,666,337; Apr. 17.
- McDaniel, Marleta M., assignor of one-half to E. M. Hereford, Johnson County, Kans. Hair lotion. 1,682,230; Aug. 28.
- McDaniel, Thomas E., Charleston, S. C., assignor to Standard Oil Development Company. Barrel-rolling device. 1,686,495; Oct. 2.
- McDavitt, Charles J., assignor to The Lehon Company, Chicago, Ill. Shingle-grouping machine. 1,676,911; July 10.
- McDermott, Charles C., Chicago, Ill. Heat-supply control. 1,658,134; Feb. 7.
- McDermott, Percival J. (See Cox, K., and McDermott.)
- McDermott, William R. (See Olson, A., and McDermott.)
- McDevitt, Daniel J., Philadelphia, Pa. Mill nut. 1,656,747; Jan. 17.
- McDevitt, Francis E., and H. A. Colburn, Rutland, Vt. Ventilating system. 1,690,905; Nov. 6.
- McDonald, Alexander, Pittsburgh, and W. O. Smith, Wilkensburg, assignors of seventy one-hundredths to J. C. Young, Pittsburgh, Pa., and thirty one-hundredths to said Smith. Ventilator for chimneys. 1,685,170; Sept. 25.
- McDonald, Charles B., assignor to Wilcox Products Corporation, Detroit, Mich. Forming valve tappets. 1,691,778; Nov. 13.
- McDonald, Charles B., assignor to Wilcox Products Corporation, Detroit, Mich. Valve tappet and forming the same. 1,691,779; Nov. 13.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Automatic die press. 1,663,018; Mar. 20.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Automatic die-press-stopping mechanism. 1,663,019; Mar. 20.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Automatic press-stopping mechanism. 1,663,020; Mar. 20.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Automatic die-press-stopping mechanism. 1,666,942; Apr. 24.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Can-testing machine. 1,694,132; Dec. 4.
- McDonald, Charlie. (See McDonald, Harry W. and C., Wolf, and Stanek.)
- McDonald, Edward J., Los Angeles, Calif. Camp kit. 1,659,114; Feb. 14.
- McDonald, Eugene G., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,660,932; Feb. 28.
- McDonald, Frank. (See Ernst, Charles A., assignor.)
- McDonald, G. F., et al. (See Cottingham, John W., assignor.)
- McDonald, George A., Pasadena, Calif. Adjustable bracket. 1,680,560; Aug. 14.
- McDonald, Gordon R., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,661,841; Mar. 6.
- McDonald, Gordon R., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,693,306; Nov. 27.
- McDonald, Gordon R., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,693,307; Nov. 27.
- McDonald, Gordon R., Schenectady, N. Y., assignor to General Electric Company. Protective device. 1,696,611; Dec. 25.
- McDonald, Harry W. (See McDonald, Harry W. and C., Wolf, and Stanek, assignors.)
- McDonald, Harry W., Minneapolis, Minn., C. McDonald, Hoisington, Kans., E. A. Wolf, and R. F. Stanek, assignors, by mesne assignments, to H. W. McDonald, Morristown, Minn. Automatic means for feeding cable. 1,656,215; Jan. 17.
- McDonald, James, assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Liquid-fuel-burning furnace. 1,666,747; Apr. 17.
- McDonald, John H., Hamberg, N. Dak. Bottle-cap receiver. 1,684,285; Sept. 11.
- McDonald, John J., Elizabethton, Tenn. Dressing cabinet. Des. 76,948; Nov. 20.
- McDonald, John J., Westview, Pa. Tire protector. 1,692,850; Nov. 27.
- McDonald, Leslie R., Westmount, Montreal, Quebec, Canada. Display apparatus. 1,685,499; Sept. 25.
- McDonald Machine Co. (See McDonald, Charles D., assignor.)
- McDonald, Oliver R., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper. 1,675,458; July 3.
- McDonald, Samuel F., Memphis, Tenn. Preparing cake. 1,677,245; July 17.

- McDonald Securities Company. (See Bessee, Frank E., assignor.)
- McDonald, Theodore V., assignor to Epworth Manufacturing Company, Detroit, Mich. Mounting arrangement for dump bodies. 1,657,090; Jan. 24.
- McDonald, Thomas R., Columbus, Ohio. Bath's vanity case. 1,671,154; May 29.
- McDonald, Thomas R., Columbus, Ohio. Cigarette case for bathers. 1,671,199; May 29.
- McDonald, William J., assignor to Pullman Car and Manufacturing Corporation, Chicago, Ill. Journal-box lid closer. 1,659,040; Feb. 14.
- McDonald, Wm. P., Construction Company. (See Berger, Oscar H., assignor.)
- McDonnell, Malcolm A., Cincinnati, Ohio. Season-greeting frame. 1,696,407; Dec. 25.
- McDonnell, Joseph H., Kansas City, Mo. Sack-loading system. 1,672,767; June 5.
- McDonnell, Allan J., Vancouver, British Columbia, Canada. Hydraulic jack. 1,665,633; Apr. 10.
- McDonnell, Anthony F., Dunmore, assignor of one-third to W. A. Quinn, Scranton, Pa. Closure for bottles. 1,691,525; Nov. 13.
- McDonnell, Anthony F., Dunmore, assignor of one-third to W. A. Quinn, Scranton, Pa. Closure for containers. 1,691,526; Nov. 13.
- McDonnell, Anthony F., Dunmore, assignor of one-third to W. A. Quinn, Scranton, Pa. Closure for containers. 1,691,780; Nov. 13.
- McDonnell, Anthony F., Dunmore, assignor of one-third to W. A. Quinn, Scranton, Pa. Closure for containers. 1,693,117; Nov. 27.
- McDonnell, Charles E., Quincy, Ill. Fuel-feeding apparatus. 1,674,978; June 26.
- McDonnell, Ellen, Chicago, Ill. Surgical appliance. 1,664,938; Apr. 3.
- McDonnell, George E., assignor of one-half to T. F. McDonnell, Cedar Rapids, Iowa. Pipe-flange tool. 1,681,126; Aug. 14.
- McDonnell, James P., Waverly, Minn. Apparatus for producing optical effects from pictures. 1,681,776; Aug. 21.
- McDonnell, Thomas F. (See McDonnell, George E., assignor.)
- McDonnell, Vincent D., Chicago, Ill. Gas-producing apparatus. 1,662,266; Mar. 13.
- McDonough, Victor S., Camden, Ohio. Fence-wire fastening. 1,662,753; Mar. 13.
- McDowall, Andrew, Castle Douglas, Scotland. Tractor. 1,694,226; Dec. 4.
- McDowell, Archer F., Columbus, Ohio. Heating system. 1,674,213; June 19.
- McDowell, Howard, Lewiston, Ill. Game apparatus. 1,656,825; Jan. 17.
- McDowell, J. J., et al. (See Cottingham, John W., assignor.)
- McDowell, Lamont A., Racine, Wis. Seat construction. 1,676,456; July 10.
- McDowell Manufacturing Company. (See Archer, Plato, assignor.)
- McDowell Manufacturing Company. (See McMarlin, W. J., and Strayer, assignors.)
- McDowell Manufacturing Company. (See Zabel, Charles, assignor.)
- McDowell, William R., Las Vegas, Nev. Derrick walking beam. 1,685,238; Sept. 25.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Decanter. Des. 74,183; Jan. 3.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Sandwich tray or similar article. Des. 74,940; Apr. 17.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Sandwich plate or similar article. Des. 75,272; May 22.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Pitcher or similar article. Des. 76,409; Sept. 25.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Sandwich tray or similar article. Des. 76,698; Oct. 23.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Console bowl or similar article. Des. 76,699; Oct. 23.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Powder-puff box or similar article. Des. 77,110; Dec. 4.
- McElowney, Robert E., assignor to New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Vanity set. 1,657,312; Jan. 24.
- McElligott, Edward R., Brookline, assignor to Heywood-Wakefield Company, Boston, Mass. Reed chair. Des. 77,111; Dec. 4.
- McElrath, William W., Louisville, Ky. Bucket for rotary pumps. 1,685,003; Sept. 18.
- McElroy, David W., assignor of one-half to G. E. Boggs, Kaufman, Tex. Water head for drilling rigs. 1,695,019; Dec. 11.
- McElroy, Frank, Manchester, assignor to J. H. Tucker & Company, Limited, Birmingham, England. Electric switch. 1,689,495; Oct. 30.
- McElroy, Frank C., Columbus, Ohio. Vehicle lamp. 1,675,037; June 26.
- McElroy, Frank C., Columbus, Ohio. Incandescent lamp. 1,693,453; Nov. 27.
- McElroy, James A., Kansas City, Mo. Shocker. 1,691,355; Nov. 13.
- McElroy, John J., and E. L. Beecher, New Haven, Conn., assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Vibration-recording apparatus. 1,657,935; Jan. 31.
- McElroy, Robert L. (See Nolen, James G., assignor.)
- McElroy, William, Brooklyn, N. Y. Spark plug. 1,657,863; Jan. 31.
- McElroy, William, assignor of one-half to M. Ludgin, Brooklyn, N. Y. Spark plug. 1,674,977; June 26.
- McElwath, Melvin G. (See Popham, Otis A., assignor.)
- McElyea, Harley B. (See Ray, A. J., and McElyea.)
- McEntire, Frederick W., Salt Lake City, Utah. Control apparatus for centrifugal separators. 1,675,947; July 3.
- McEniry, Frank M., Milwaukee, Wis. Bathtub dressing table for children. 1,685,093; Sept. 25.
- McEvoy, J. H., & Company. (See Johnson, Edwin A., assignor.)
- McEvoy, Joseph H., jr., Houston, Tex. Screen pipe with slots disposed in circular areas. 1,657,130; Jan. 24.
- McEvoy, Joseph H., jr., Houston, Tex. Forming well strainers. 1,685,287; Sept. 25.
- McEvoy Wireless Well Strainer Corporation. (See Woodward, Richard C., assignor.)
- McEwan, Andrew J., Tulsa, Okla. Combined vacuum and pressure relief valve for receiving and storage tanks. 1,678,700; July 31.
- McEwan, James, Palo Alto, Calif. Cooking utensil. 1,677,593; July 17.
- McEwen, Horace C., Iroquois Falls, Ontario, Canada. Belt tightener. 1,678,645; July 31.
- McEwen, Joe J. (See Johnston, R. C., Soucy, McEwen, and Larue.)
- McEwen, John D., assignor to Lee C. Moore & Company, Incorporated, Pittsburgh, Pa. Derrick. 1,676,271; July 10.
- McEwen, John D., assignor to Lee C. Moore & Company, Incorporated, Pittsburgh, Pa. Derrick. 1,676,272; July 10.
- McEwing, Luther B., Chicago, Ill. Projection apparatus. 1,664,038; Mar. 27.
- McFadden, Fay, Rutland, Vt., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass frame. Des. 75,804; July 17.
- McFadden, Glenn E., Kansas City, Mo. Spindle for an electric-lighting fixture or similar article. Des. 74,444; Feb. 14.
- McFadden, Glenn E., Kansas City, Mo. Scroll arm for an electric-lighting fixture or similar article. Des. 75,634; June 26.
- McFadden, Glenn E., Kansas City, Mo. Scroll arm for an electric-lighting fixture or similar article. Des. 77,019; Nov. 27.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture canopy ring or the like. Des. 77,167; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture band or similar article. Des. 77,168; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture arm or the like. Des. 77,169; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture arm or the like. Des. 77,170; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture bracket or similar article. Des. 77,171; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture band or the like. Des. 77,172; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture wall bracket or the like. Des. 77,173; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture wall bracket or the like. Des. 77,174; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture wall bracket or the like. Des. 77,175; Dec. 11.
- McFadden, Glenn E., assignor to Lincoln Manufacturing Company, Detroit, Mich. Lighting-fixture wall bracket or the like. Des. 77,176; Dec. 11.
- McFall, Willard D., East Orange, N. J. Filing or indexing appliance. 1,679,365; Aug. 7.
- McFarlan, Kenneth S., Pewee Valley, Ky. Scooter. 1,666,827; Apr. 17.
- McFarland, Edward H. (See Wight, S. A., and McFarland.)
- McFarland, Ernest H., assignor of one-half to J. A. Hodges, Louisville, N. C. Air testing and inflating means. 1,666,861; Apr. 17.
- McFarland, James L., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,661,842; Mar. 6.
- McFarland, Owen D., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill. Apparatus for producing individual-shingle-simulating elements. 1,682,921; Sept. 4.
- McFarland, Owen D., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill. Machine for producing flexible roofing elements. 1,687,873; Oct. 16.
- McFarland, Ross, Portland, Oreg. Nail file and clip therefor. 1,663,089; Mar. 20.

- McFarland, William T., Glendale, Calif. Mushroom vent. 1,672,496; June 5.
- McFarlane, Maynard L. D. (See Bartholomew, H. G., and McFarlane.)
- McFarlane, Wilson, Los Angeles, Calif. Internal-combustion engine. 1,654,891; Jan. 3.
- McFarlin, Catherine S., administratrix. (See Stafford, Martin A.)
- McFarlin, John R., assignor to Electric Service Supplies Company, Philadelphia, Pa. Multigap lightning arrester. 1,687,254; Oct. 9.
- McFeely, Fred B., assignor to Conemaugh Iron Works, Latrobe, Pa. Lavatory. Des. 75,582; June 19.
- McFetridge, Joseph, Vandergrift, assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Manufacture of metallic-coated sheets and plates. 1,679,435; Aug. 7.
- McGahey, Robert E., Alexandria, Va. Grease-gun connection. 1,671,091; May 22.
- McGannon, Cora, Brockville, Ontario, Canada. Direction indicator. 1,681,367; Aug. 21.
- McGarry, John T., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Railway-switch stand. 1,677,356; July 17.
- McGarvin, Luther R. (See Strafus, Anton F., assignor.)
- McGary, Francis L., Hardinsburg, Ky. Device for applying box straps. 1,670,201; May 15.
- McGaughey, Ralph E., Blairsville, Pa., assignor to Conemaugh Iron Works. Bathtub table. 1,673,295; June 12.
- McGaughey, Ralph E., Blairsville, Pa., assignor to Conemaugh Iron Works. Molding-sand conveyer. 1,673,337; June 12.
- McGaughey, Ralph E., Blairsville, Pa., assignor to Conemaugh Iron Works. Foundry Pouring device. 1,674,214; June 19.
- McGavack, John. (See Gibbons, W. A., and McGavack.)
- McGee, Daniel W., assignor to G. Smith, Fort Worth, Tex. Measuring rule. 1,673,577; June 12.
- McGee, Edgar I., Scottsdale, and J. D. Reid, assignor to Boyts, Porter & Co., Connellsville, Pa. Rotary pump. 1,660,300; Feb. 21.
- McGee, Frank R., Steubenville, Ohio. Dust catcher. 1,650,607; Feb. 21.
- McGee, Frank R., Steubenville, Ohio. Valve. 1,678,867; July 31.
- McGee, Frank R., Steubenville, Ohio. Checkerwork for regenerative chambers. 1,689,041; Oct. 23.
- McGee, Frank R., Steubenville, Ohio. Hot-blast stove. 1,689,042; Oct. 23.
- McGee, Frank R., Steubenville, Ohio. Open-hearth furnace. 1,691,982; Nov. 20.
- McGee, Harry O., assignor to Lykglas Auto Renewal System, Inc., Indianapolis, Ind. Spray nozzle. 1,658,645; Feb. 7.
- McGee, Howard H., New York, N. Y. Closure. 1,669,568; May 15.
- McGee, Oscar P., assignor of one-half to W. A. Sedwick, Dallas, Tex. Elevator-door-operating equipment. 1,655,732; Jan. 10.
- McGee, Oscar P., assignor of one-half to W. A. Sedwick, Dallas, Tex. Elevator-door-operating equipment. 1,655,733; Jan. 10.
- McGee, William H., Los Angeles, Calif. Golf-club gauge and truing tool. 1,662,465; Mar. 13.
- McGhee, George, Tollcross, Scotland. Brake for vehicles. 1,678,227; July 24.
- McGhiehan, Cornelius H., Glens Falls, N. Y. Paper receptacle. 1,677,040; July 10.
- McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Winding engine. 1,695,498; Dec. 18.
- McGill, Andrew D. (See Wright, S. M., and McGill.)
- McGill, Chester T., assignor to Reiter Company, Elgin, Ill. Base-exchange water softener and filter and fill-nozzle salt-pot attachment. 1,661,488; Mar. 6.
- McGill, Chester T., assignor to Reiter Co., Elgin, Ill. Gravity system for continuously treating boiler water. 1,694,331; Dec. 4.
- McGill, Chester T., assignor to Reiter Company, Elgin, Ill. Base-exchange water softener, salt-pot attachment. 1,694,332; Dec. 4.
- McGill, Elwin E., Kansas City, Mo. Bottle and closure. 1,688,198; Oct. 16.
- McGill Manufacturing Company. (See Despard, Victor R., assignor.)
- McGill Manufacturing Company. (See Despard, V. R., and Popp, assignors.)
- McGill, Marvin E., Madison, Ga. Pencil. 1,693,454; Nov. 27.
- McGillcuddy, Mathilde. (See Meyer, Gottfried, assignor.)
- McGillivray, Edmund, et al. (See Coupland, Ernst, assignor.)
- McGillan, Barney, Green Bay, Wis. Dustpan. 1,693,489; Nov. 27.
- McGillvray, Bernard, Quincy, Mass. Wrench. 1,666,103; Apr. 17.
- McGinley, Edward W., Philadelphia, Pa. Locking mechanism. 1,664,042; Mar. 27.
- McGinnis, Basil W., assignor, by mesne assignments, to Universal Metal Mfg. Co., Birmingham, Ala. Pleasure raft. 1,668,860; May 8.
- McGinnis, Basil W., assignor, by mesne assignments, to Universal Metal Mfg. Co., Birmingham, Ala. Ice-cream freezer. 1,682,976; Sept. 4.
- McGinnis, Claude C., Sedro Woolley, Wash. Sliding door. 1,676,500; July 10.
- McGinnis, Edward A., Pittsburgh, Pa. Electric hair-waving apparatus. 1,672,387; June 5.
- McGinnis, John A. (See Edwards, A. L., and McGinnis.)
- McGinnis, Philip, London, Ontario, Canada. Starting gate. 1,686,832; Oct. 9.
- McGogy, Donald H., McMinnville, Ore. Pump. 1,666,463; Apr. 17.
- McGogy, Donald H., assignor to McGogy Pump Co., Inc., McMinnville, Ore. Liquid meter. 1,694,747; Dec. 11.
- McGogy Pump Co. (See McGogy, Donald H., assignor.)
- McGoogan, Lee L., St. Pauls, N. C. Display and storage rack. 1,692,679; Nov. 20.
- McGougan, John, and J. Hunter, Glasgow, Scotland. Mixing or emulsifying process and apparatus. 1,671,868; May 29.
- McGovern, Daniel F., Montpelier, Vt. Polishing wheel. 1,667,076; Apr. 24.
- McGovern, Daniel F., Montpelier, Vt. Detachable saw tooth. 1,690,544; Nov. 6.
- McGowan, Harold A., Davenport, Wash. Crank-case implement. 1,668,245; May 1.
- McGowan, Michael E., Newark, N. J., assignor to General Electric Company. Mount-making machine. 1,655,279; Jan. 3.
- McGowan, Michael J., Chicago, Ill. Hair waver. 1,662,319; Mar. 13.
- McGowen, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Vehicle bumper. Des. 76,352; Sept. 18.
- McGowen, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Vehicle bumper. Des. 76,353; Sept. 18.
- McGowen, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,692,088; Nov. 20.
- McGrane, James L., Buffalo, N. Y. Direction indicator. Des. 77,112; Dec. 4.
- McGrane, Norman M., Long Beach, assignor to International Precipitation Company, Los Angeles, Calif. Recovery of potassium chloride. 1,688,873; Oct. 23.
- McGranighan, John R., Philadelphia, Pa. Cake-plate leveler. 1,696,098; Dec. 18.
- McGrath, Ethel, Pelham Heights, N. Y. Jar or similar container. Des. 74,445; Feb. 14.
- McGrath, John J., Brooklyn, N. Y. Removable cap attachment. 1,692,944; Nov. 27.
- McGrath, John T., Bloomington, Ill. Flue cleaning, cutting, and handling machine. 1,667,388; Apr. 24.
- McGrath, John T., Newark, N. J. Necktie stretcher. 1,693,205; Nov. 27.
- McGrath, William L., Elmira, N. Y., assignor to Eclipse Machine Company. Engine starter. 1,693,342; Nov. 27.
- McGraw, Edward J., Saginaw, Mich. Receptacle for golf-players' accessories. 1,665,214; Apr. 10.
- McGraw Electric Company. (See Osterheld, Clark M., assignor.)
- McGregor, Alexander, Burlingame, Calif. Valve. 1,677,357; July 17.
- McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Neb. Bed leg. 1,663,210; Mar. 20.
- McGrew, Earl E., assignor to McGrew Machine Company, Lincoln, Neb. Folding camp bed. 1,678,441; July 24.
- McGrew Machine Company. (See McGrew, Earl E., assignor.)
- McGuinness, Benjamin F., Saundersville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing loom. 1,679,618; Aug. 7.
- McGunnigle, Harold A., assignor to Arlite, Inc., New York, N. Y. Apparatus for projecting light. 1,695,556; Dec. 18.
- McGuire, James F., Kittanning, Pa. Deflation indicator. 1,657,406; Jan. 24.
- McGurty, William J., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,656,591; Jan. 17.
- McHenry, Nell E., Denison, Iowa. Road signal. 1,666,862; Apr. 17.
- McHugh, Agnes J., executrix. (See McHugh, Edward T.)
- McHugh, Charles J., and D. S. Rivers, assignors to The Ti-Co Manufacturing Co., Indianapolis, Ind. Portable electric roaster. 1,674,692; June 26.
- McHugh, Edward F., Kingston, Pa. Ventilating sash. Re17,000; June 19.
- McHugh, Edward T., deceased, by A. J. McHugh, executrix, Holyoke, Mass. Manhole cover. 1,694,133; Dec. 4.
- McHugh, James, and E. F. Ingles, Chicago, Ill. Lamp. Des. 75,275; May 22.
- McHugh, James E., and A. G. Fields, East St. Louis, Ill. Adjustable support for built-in bathtubs. 1,679,838; Aug. 7.
- McIlraith, Thomas T., Colchester, England. Valve gear for internal-combustion engines. 1,668,374; May 1.
- McIlroy, Ronald C., Lewiston, Me., assignor to Columbia Woolen Company. Weaving. 1,683,983; Sept. 11.
- McIlvaine, John H., Lake Forest, Ill. Apparatus for burning liquid fuel. 1,654,658; Jan. 3.
- McIlvaine, John H., Lake Forest, Ill. Liquid-fuel burner. 1,654,659; Jan. 3.
- McIlvaine, John H., Lake Forest, Ill. Liquid-fuel-burning apparatus. 1,671,773; May 29.
- McIlvaine, John H., Lake Forest, Ill. Valve mechanism for oil burners and the like. 1,692,046; Nov. 20.

- McIlvane, William J., New York, N. Y. Post anchor. 1,659,210; Feb. 14.
- McIlvried, Howard G., McCandless Township, Allegheny County, assignor to America Sheet and Tin Plate Company, Pittsburgh, Pa. Strip-transfer apparatus. 1,679,436; Aug. 7.
- McInerney, Peter J. (See Forrester, John D., assignor.)
- McInnis, Adrian K. (See Lindley, Hugh B., assignor.)
- McInnis, Hugh J. (See Roberts, Louie A., assignor.)
- McInnis, Walter J., Stetson, assignor to Widescope Camera Company, Newark, N. J. Panoramic motion-picture camera. 1,693,722; Dec. 4.
- McIntire, Allyn B., Newton Center, assignor to Pepperell Manufacturing Company, Boston, Mass. Box cover. Des. 74,840; Apr. 3.
- McIntire, Charles V., East Orange, N. J., assignor to Consolidation Coal Products Company, Wilmington, Del. Retort furnace. 1,681,946; Aug. 28.
- McIntire, Frank C., Stockton, Calif. Scraper. 1,669,480; May 15.
- McIntosh, Burnett, New York, N. Y. Caster. 1,671,774; May 29.
- McIntosh Electrical Corporation. (See MacLagan, Hector P., assignor.)
- McIntosh Electrical Corporation. (See Waggoner, Melancthon R., assignor.)
- McIntosh, James, Norristown, Pa., assignor to Diamond State Fibre Company, Bridgeport, Conn. Veneer and method of manufacturing. 1,661,901; Mar. 6.
- McIntosh, James, Norristown, assignor to Diamond State Fibre Company, Bridgeport, Pa. Inductive reactor. 1,661,953; Mar. 6.
- McIntosh, James, Norristown, Pa., assignor to Diamond State Fibre Company, Elmsere, Del. Synthetic resin and making same. 1,679,322; July 31.
- McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Shut-off valve for oil burners. 1,672,575; June 5.
- McIntosh, Roy E., New York, assignor to J. E. Ogden, Mountainville, N. Y. Clamp. 1,692,218; Nov. 20.
- McIntosh & Seymour Corporation. (See Ritter, Paul A., assignor.)
- McIntyre, Allan H. (See Wayland, E. M., and McIntyre.)
- McIntyre-Burrall Company. (See Burrall, Fred E., assignor.)
- McIntyre, Edward W., Cleveland, Ohio. Pothead or electric distributing box. 1,671,538; May 29.
- McIntyre, Eugene B. (See Murray, J. A., and McIntyre.)
- McIntyre, James K., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal pump. 1,680,057; Aug. 7.
- McIntyre, John. (See Bramley-Moore, Swinfen, assignor.)
- McIntyre, Malcolm, Cranford, N. J., and T. A. McIntyre, New York, N. Y. Sailing craft. 1,670,936; May 22.
- McIntyre, Michael J., Eden Center, N. Y. Musical toy or instrument. 1,676,659; July 10.
- McIntyre, Robert L., Toronto, Ontario, Canada. Structural-steel fabrication. 1,678,013; July 24.
- McIntyre, Sydney S., Sedro-Woolley, Wash. Battery of gasoline engines with master controls. 1,671,479; May 29.
- McIntyre, Thomas A. (See McIntyre, Malcolm and T. A.)
- McJannett, John H. (See Strickler, R., and McJannett.)
- McJohn, Raymond J., Chicago, Ill. Ironing-board appliance. 1,693,615; Dec. 4.
- McKain, Alpha B., Peetz, Colo. Machine for snipping the ends from beans. 1,671,038; May 22.
- McKale, George W., Garnett, Kans. Automatic valve and pressure equalizer. 1,671,833; May 29.
- McKamey, William O., Knoxville, Tenn. Railway car. 1,676,343; July 10.
- McKane-Lins Company. (See Zavittovsky, El., and C. Lins, assignors.)
- McKay, Dallas R., Oak Park, assignor to Imperial Belting Company, Chicago, Ill. Combination shipping case and belt reel. 1,659,115; Feb. 14.
- McKay, John A., Manufacturing Company, The. (See Lynch, Patrick H., assignor.)
- McKay, John A., Toronto, Ontario, Canada. Connector. 1,654,660; Jan. 3.
- McKay, Malcolm A., Kansas City, Mo., and E. E. Doudna, Kansas City, Kans. Automobile lock. 1,696,278; Dec. 25.
- McKay, Richard F., Brooklyn, N. Y. Pipe cutter. 1,679,321; July 31.
- McKean, John I., Parkersburg, W. Va., assignor to Standard Oil Development Company. Tug wheel. 1,694,274; Dec. 4.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Winding machine. 1,655,154; Jan. 3.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Winding machine. 1,655,755; Jan. 3.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn-compensating device for creels. 1,695,814; Dec. 18.
- McKee, Garnet W., Rockford, Ill. Multistage blower. 1,672,986; June 12.
- McKee, Garnet W., Rockford, Ill. Apparatus for proportionately mixing fluids. 1,684,500; Sept. 18.
- McKee Glass Company. (See Richardson, Joseph S., assignor.)
- McKee, H. M. (See Cox, Mackneelee, assignor.)
- McKee, Louis H., Trenton, N. J. Folding chair. 1,695,117; Dec. 11.
- McKee, Marie, Garden Home, and C. A. Roach, assignors of one-third to F. E. Walling, Portland, Oreg. Cap attachment for visors. 1,665,750; Apr. 10.
- McKee, Mierley T., Zanesville, Ohio. Cementing oil wells. 1,677,975; July 24.
- McKee, Neal T., Bronxville, N. Y. Locomotive. 1,689,353; Oct. 30.
- McKee, Patrick J., Deer Lodge, Mont. Support for air-retainer valves. 1,659,323; Feb. 14.
- McKee, Ralph H., New York, N. Y. Filtering material and process of filtering. 1,676,151; July 3.
- McKee, Ralph H., New York, N. Y. Hydrolysis of methyl chloride. 1,688,726; Oct. 23.
- McKee, Robert G., Indianapolis, Ind. Vehicle jack. 1,687,503; Oct. 16.
- McKee, Walter S., et al. (See McKee, W. S., and Nichols, assignors.)
- McKee, Walter S., and W. G. Nichols, Chicago, assignors of one-half to American Manganese Steel Company, Chicago, Ill., and one-half to said Walter S. McKee. One-piece drag-line bucket. 1,668,166; May 1.
- McKee, Willis, Cleveland, Ohio, assignor to Central National Bank of Cleveland. Conveyer. 1,675,948; July 3.
- McKee, Willis, Cleveland, Ohio, assignor to Central National Bank of Cleveland. Hotbed. 1,675,949; July 3.
- McKee, Willis, Cleveland, Ohio, assignor to Central National Bank of Cleveland. Cooling work blanks. 1,675,950; July 3.
- McKeeby, James S., assignor to Dennison Manufacturing Company, Framingham, Mass. Jewelry box or similar article. Des. 75,926; July 31.
- McKeever, Garnett R. (See Rich, David, assignor.)
- McKellar, Harry R., San Francisco, Calif. Photographic developing, fixing, and washing apparatus. 1,661,378; Mar. 6.
- McKendrick, Paul C., St. Paul, Minn. Relay for high-tension fuses. 1,660,080; Feb. 21.
- McKendrick, Percy F. (See De La Mare, Thomas, assignor.)
- McKenna Brass & Manufacturing Co. (See Shields, Patrick W., assignor.)
- McKenna, Brass and Manufacturing Company. (See Shields, P. W., and Blenko, assignors.)
- McKenna Brass & Manufacturing Company. (See Shields, P. W., and De Markus, assignors.)
- McKenna, Clarence A., Flint, Mich. Adjustable driving seat and bed arrangement for automobiles. 1,668,167; May 1.
- McKenna, Clarence A., Flint, Mich. Seat and bed arrangement for automobiles. 1,673,257; June 12.
- McKenna, Edward D., New York, N. Y. Electrical terminal. 1,671,905; May 29.
- McKenna, Frank B., et al. (See Schwalbenberg, Peter J., assignor.)
- McKenna, Frank J., assignor to Chemical Preparations, Inc., New York, N. Y. Hair-waving solution. 1,677,246; July 17.
- McKenna, James R., Cleveland, Ohio. Forming combined paper and fabric material. 1,689,354; Oct. 30.
- McKenna, Leo, et al. (See Lapiere, G. J., and Gilligan, assignors.)
- McKenna, Michael H. (See Birney, William N., assignor.)
- McKenna Process Co. (See Langford, George, assignor.)
- McKenna Process Company of Illinois. (See Langford, George, assignor.)
- McKenney, Charles S., assignor to Seward Trunk and Bag Company, Petersburg, Va. Box trunk holder for automobile running boards. 1,654,941; Jan. 3.
- McKenney, Fred Y., assignor to The Kelly Manufacturing Company, Chattanooga, Tenn. Soap and water gun. 1,656,334; Jan. 17.
- McKenney, Fred Y., assignor to R. C. Lynn, Chattanooga, Tenn. Dirigible headlight. 1,686,459; Oct. 2.
- McKenzie, Alexander M., Regina, Saskatchewan, Canada. Collar construction. 1,674,869; June 26.
- McKenzie, Enos R. (See Pitt, B. F., and McKenzie.)
- McKenzie, Frank R. (See Glidden, A. A., and McKenzie.)
- McKenzie, John. (See Walton, F. S., and McKenzie.)
- McKenzie Mortar Company. (See Harrison, Douglas M., assignor.)
- McKenzie, Peter, Chicago, Ill. Furnace wall. 1,692,134; Nov. 20.
- McKeon, John J. (See Bryson, T. A., and McKeon.)
- McKeown, Samuel C., New Rochelle, N. Y., and C. C. Bruckner, Ironton, N. J., assignors, by mesne assignments, to The Engravograph Corporation. Engraving machine. 1,695,771; Dec. 18.
- McKesson, Elmer I., Toledo, Ohio. Gas measuring. 1,677,147; July 17.
- McKesson, Elmer I., Toledo, Ohio. Gas-administering apparatus. 1,687,255; Oct. 9.
- McKesson, Elmer I., assignor to The Vocophone Company, Toledo, Ohio. Artificial larynx. 1,685,824; Oct. 2.
- McKesson & Robbins, Incorporated. (See Danco, Leon A., assignor.)
- McKesson, William C., Chicago, Ill. Oil burner. 1,673,119; June 12.
- McKibben, Charles W., Houston, Tex. Separating associated liquids. 1,691,578; Nov. 13.
- McKillop, Lambert, Copetown, Ontario, Canada. Temper screw. 1,677,358; July 17.

- McKinley, Arthur, Kansas City, Mo. Shoe protector. 1,663,381; Mar. 20.
- McKinley, Benjamin P., Forest Hills, assignor to Hemco Electric Manufacturing Company, Inc., Long Island City, N. Y. Attachment-plug cap. Des. 74,273; Jan. 17.
- McKinley, Benjamin P., New York, assignor to Hemco Electric Manufacturing Company, Inc., Long Island City, N. Y. Multiple socket and plug device. 1,660,422; Feb. 28.
- McKinley, Benjamin P., New York, assignor to Hemco Electric Manufacturing Company, Inc., Long Island City, N. Y. Radio tuning dial and mounting the same. 1,660,423; Feb. 28.
- McKinley, Benjamin P., Flushing, assignor to Hemco Electric Manufacturing Company, Inc., Long Island City, N. Y. Plug connector. 1,664,986; Apr. 3.
- McKinley, Benjamin P., Flushing, N. Y., assignor, by mesne assignments, to The Bryant Electric Company. Electrical connector. 1,674,441; June 19.
- McKinley, Charles W. (See Tillotson, H. C., Rullison, and McKinley.)
- McKinley, Charles W., assignor to A C Spark Plug Company, Flint, Mich. Testing filters. 1,662,529; Mar. 13.
- McKinley, William F., Little Rock, Ark. Alarm clock. 1,677,790; July 17.
- McKinney, Edward H., Salina, Kans. Hydraulic brake. 1,661,843; Mar. 6.
- McKinney, Edward H., Salina, assignor to The Hydraulic Specialty Manufacturing Company, Topeka, Kans. Hydraulic clutch transmission. 1,682,085; Aug. 28.
- McKinney, Francis B., assignor to The Parella Corporation, Pittsburgh, Pa. Umbrella. 1,692,461; Nov. 20.
- McKinney, Francis B., assignor to The Parella Corporation, Pittsburgh, Pa. Umbrella. 1,692,462; Nov. 20.
- McKinney Manufacturing Company. (See Haven, Clarence B., assignor.)
- McKinney Manufacturing Company. (See Horton, Clement E., assignor.)
- McKinney, Samuel S. (See Kimball, Charles D., assignor.)
- McKinnie, Henry, Pittsburgh, Pa. Burner. 1,678,996; July 31.
- McKinnis, John R., San Bernardino, Calif. Railway switch and lock mechanism. 1,689,288; Oct. 30.
- McKinnon, Archibald L., St. Catharines, Ontario, Canada, assignor to The Columbus-McKinnon Chain Company, Tonawanda, N. Y. Tire-chain fastener. 1,692,752; Nov. 20.
- McKinnon, Donald A., Sioux Falls, S. Dak. Snow fence. 1,668,651; May 8.
- McKissick, William H., Tulsa, Okla. Combined tubing bleeder, valve, and trap. 1,657,131; Jan. 24.
- McKissick, William H., Tulsa, Okla. Safety sheave block. 1,662,320; Mar. 13.
- McKissick, William H., Tulsa, Okla. Safety sheave block. 1,671,435; May 29.
- McKnight, Charles, Jr., Sewickley, Pa., assignor to The International Nickel Company, New York, N. Y. Making alloy steels. 1,689,043; Oct. 23.
- McKnight, Frank. (See Connors, Clarence A., assignor.)
- McKnight & McKnight. (See Miller, C. F., and Turner, assignors.)
- McKone, Charles W., Canton, Ohio. Rubber-tire-bead construction. 1,682,922; Sept. 4.
- McKown, Frederick W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmission. 1,668,725; May 8.
- McKown, Frederick W., Englewood, N. J., assignor to American Telephone and Telegraph Company. Battery supply circuit. 1,693,653; Dec. 4.
- McKune, Frank B., Hamilton, Ontario, Canada, assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Open-hearth furnace. Re17,071; Aug. 28.
- McKune, Frank B., Hamilton, Ontario, Canada, assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Metallurgical furnace. 1,679,340; July 31.
- McKune, Frank B., Hamilton, Ontario, Canada, assignor, by mesne assignments, to Open Hearth Combustion Company, Chicago, Ill. Operation of open-hearth furnaces. 1,687,682; Oct. 16.
- McLachlan, Norman W. (See Smith, W. S., and McLachlan.)
- McLachlan, Norman W. (See Smith, W. S., McLachlan, and Jacob.)
- McLachlan, Norman W., Chelmsford, England, assignor to Radio Corporation of America. Telegraphic sending key. 1,660,173; Feb. 21.
- McLachlan, Norman W., Newcastle-upon-Tyne, and A. W. Langridge, Shipley, England, assignors to Radio Corporation of America. Wireless-telegraph receiving apparatus. 1,664,039; Mar. 27.
- McLagan Furniture Company, The. (See Kuch, Frederick, assignor.)
- McLaine, William L., and W. L. Borough, Los Angeles, Calif. Sealing casing head. 1,684,678; Sept. 18.
- McLaren, Arthur F., Ottawa, Ontario, Canada, assignor of fifty per cent. to O. M. Wilson, Ottawa, Ontario. Golf bag. 1,657,170; Jan. 24.
- McLaren-Consolidated Cone Corporation. (See Kreidler, Urban A., assignor.)
- McLaren, David B. (See Furnivall, W. H. G., McLaren, and Laschinger.)
- McLaren, Robert, assignor to Gleneagles Shoe Company, Limited, Blackford, Scotland. Shoe for personal wear. 1,668,120; May 1.
- McLaren, William W., Birmingham, Ala. Recording phonograph records. 1,673,462; June 12.
- McLaughlin, Bernard E., Melrose Park, Ill. Adjustable straightedge. 1,666,244; Apr. 17.
- McLaughlin, Celia B., administratrix. (See McLaughlin, Wharton, B.)
- McLaughlin, Clarke R., Longville, La. Apparatus for manufacturing matched flooring. 1,667,668; Apr. 24.
- McLaughlin Coal Reduction Company. (See Fleetwood, C. A., and Lysinger.)
- McLaughlin, Denis P., San Diego, Calif. Cutting device. 1,681,739; Aug. 21.
- McLaughlin, Denis P., San Diego, Calif. Elevator-control attachment for typesetting machines. 1,686,139; Oct. 2.
- McLaughlin, Edwin H., Associated, Calif. Advertising device. 1,670,630; May 22.
- McLaughlin, Frederick E., Everett, Wash. Railway lamp. 1,682,300; Aug. 28.
- McLaughlin, George P., Shickshinny, Pa. Spindle and bearing assembly for spinning and analogous machines. 1,668,375; May 1.
- McLaughlin, Herrold L. (See McLaughlin, Wilson L. and H. L.)
- McLaughlin, John E., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming apparatus. 1,662,861; Mar. 20.
- McLaughlin, John E., assignor to The Owens Bottle Company, Toledo, Ohio. Machine for forming glass articles. 1,692,680; Nov. 20.
- McLaughlin, Michael, New York, N. Y. Container. 1,668,511; May 1.
- McLaughlin, Michael C. (See McLaughlin, Thomas E. and M. C.)
- McLaughlin, Robert J., New York, N. Y. Airship. 1,670,778; May 22.
- McLaughlin, Thomas E. and M. C., Holbrook, Mass. Shoe-sewing machine. 1,635,854; Oct. 2.
- McLaughlin, Thomas F., San Francisco, Calif. Shut-off valve. 1,661,437; Mar. 6.
- McLaughlin, Wharton B., deceased, New York, N. Y.; C. B. McLaughlin, administratrix. Chocolate. 1,654,548; Jan. 3.
- McLaughlin, Wharton B., deceased, New York, N. Y.; C. B. McLaughlin, administratrix. Preparation of edible fats. 1,694,391; Dec. 11.
- McLaughlin, William C., assignor of one-half to F. E. Adams, Chicago, Ill. Smoking stand. Des. 75,505; June 12.
- McLaughlin, William E., assignor to The Barkelew Electric Manufacturing Company, Middletown, Ohio. Dimming apparatus for headlights of automobiles. 1,670,517; May 22.
- McLaughlin, William E., assignor to The Barkelew Electric Manufacturing Company, Middletown, Ohio. Dimming apparatus. 1,674,052; June 19.
- McLaughlin, William J., Owatonna, Minn. Delactating dairy products. 1,677,976; July 24.
- McLaughlin, William T., Indianapolis, Ind. Wood-shaping device. 1,675,223; June 26.
- McLaughlin, Wilson L., Des Moines, Iowa. Drying apparatus. 1,673,464; June 12.
- McLaughlin, Wilson L. and H. L., Des Moines, Iowa. Pulverizing machine. 1,673,465; June 12.
- McLaughlin, Wilson L. and H. L., Des Moines, Iowa. Apparatus for feeding powdered fuel. 1,685,331; Sept. 25.
- McLaurin-Jones Co. (See Farrell, Frederick W., assignor.)
- McLaurin-Jones Co. (See Lord, Erskine D., assignor.)
- McLauthlin, George T., Company. (See Dodd, John W., assignor.)
- McLauthlin, Martin B., Malden, Mass. Elevator control switch. 1,660,390; Feb. 28.
- McLean, Anthony E. (See Jones, W. S., and McLean.)
- McLean, Barnett W., Philadelphia, Pa. Chair. Des. 75,927; July 31.
- McLean, David W. (See Hollenback, George M., assignor.)
- McLean, Embury, Brooklyn, assignor to The Engineer Company, New York, N. Y. Control of furnaces. 1,671,599; May 29.
- McLean, Embury, Brooklyn, assignor to The Engineer Company, New York, N. Y. Method and apparatus for controlling furnaces. 1,680,026; Aug. 7.
- McLean, Frank W., Shreveport, La. Window. 1,680,388; Aug. 14.
- McLean, Frederick C., and J. Picard, Hamilton, New Zealand. Railway rail. 1,660,564; Feb. 28.
- McLean, Grant. (See Laurency, Guillaume C., assignor.)
- McLean, John, Lime, Oreg. Fuse cutting, splitting, and capping machine. 1,688,122; Oct. 16.
- McLean, Leland O., Pittsburgh, Pa. Retarding conveyer system. 1,656,920; Jan. 24.
- McLean, Philip S. (See Lloyd, John, assignor.)
- McLean, Thomas A. (See McLean, William R., assignor.)
- McLean, Vernon B., Buffalo, N. Y. Machine for cleaning dust-collector tubes. 1,688,936; Oct. 23.
- McLean, William B., Montreal, Quebec, Canada. Burr for grindstones. 1,681,868; Aug. 21.
- McLean, William R., assignor of one-half to T. A. McLean, Lower Napan, New Brunswick, Canada. Traction attachment for automobiles. 1,689,885; Oct. 30.

- McLean, William W., Elgin, Ill. Automobile bed construction. 1,659,887; Feb. 21.
- McLellan, Joseph R., Wichita, Kans. Money till. 1,666,605; Apr. 17.
- McLelland, William C., assignor to Ervine & Bishop, Houston, Tex. Can or similar article. 1,673,693; June 12.
- McLemore, John M. (See Nixon, C. C., and McLemore.)
- McLeod, Albert R., assignor to Food Chillers Limited, Sydney, New South Wales, Australia. Conservation of meat, eggs, fruit, and other foodstuffs for lengthy periods under chilled conditions. 1,673,694; June 12.
- McLeod, Lorne M., et al., executors. (See Arbon, Paul.)
- McLeod, Robert S., Manchester, G. E. Mason, Hale, and W. Stansfield, Chorlton-cum-Hardy, England. Electric motor. 1,678,912; July 31.
- McLimans, Winfield S., Beach, N. Dak. Separable fastener. 1,671,539; May 29.
- McLoughlin, Patrick, Worcester, Mass. Cross-chain repair link. 1,659,981; Feb. 21.
- McMahon, Edward, et al. (See Jackson, Maunsell B., assignor.)
- McMahon, Rogers D., Coraopolis, Pa. Ornamental strip for bumpers. 1,671,932; May 29.
- McMahon, Thomas J., Albany, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,662,530; Mar. 13.
- McMahon, William F., Riverside, Calif. Grinding-mill screen. 1,675,417; July 3.
- McMahon, William S., Malden, Mass. Game. 1,696,408; Dec. 25.
- McManama, John W., Waltham, Mass. Railroad tie. 1,696,247; Dec. 25.
- McManis, John V., Kirksville, Mo. Treatment table. 1,686,979; Oct. 9.
- McManus, Bernard O., San Francisco, Calif. Electric heater, toaster, and cooker. 1,673,296; June 12.
- McManus, Charles, Belleville, Ill. Automatic control device for liquid-fuel burners. 1,656,443; Jan. 17.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Feeding mechanism for stamp presses. 1,662,012; Mar. 6.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Bottle-cap-assembling machine. 1,662,862; Mar. 20.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Apparatus for making composition-cork sheets. 1,671,078; May 22.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Apparatus for making composition-cork rods. 1,671,079; May 22.
- McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Building slab and making same. 1,692,783; Nov. 20.
- McMaus, Hugh K., Vickburg, Miss. Washer and sterilizer. 1,675,655; July 3.
- McManus, John A. (See Thomson, Elihu, assignor.)
- McMarlin, William J., Pittsburgh, Pa., and L. H. Strayer, Kent, Ohio, assignors to McDowell Manufacturing Company, Pittsburgh, Pa. Toy popgun. Des. 75,635; June 26.
- McMeans, William, Scranton, Pa. Fastener for sleeve bands. 1,662,074; Mar. 13.
- McMenamin, Emmett G., Monterey, Calif. Aeronautic toy mounting. 1,676,989; July 10.
- McMenemy, Logan T., Chicago, Ill. Automobile lubrication indicator. 1,694,102; Dec. 4.
- McMichael, John L., trustee. (See Nice, Budd G., assignor.)
- McMichael, Paul, assignor to Hydrocarbon Refining Process Company, Inc., New York, N. Y. Refining of petroleum oils. 1,655,068; Jan. 3.
- McMichael, Paul, Flushing, assignor to Hydrocarbon Refining Process Company, Inc., New York, N. Y. Refining of petroleum hydrocarbons. 1,655,069; Jan. 3.
- McMichael, Paul, Flushing, assignor to Hydrocarbon Refining Process Co., Inc., New York, N. Y. Refining petroleum oils. 1,658,171; Feb. 7.
- McMichael, Paul, Flushing, assignor to Hydrocarbon Refining Process Co., Inc., New York, N. Y. Refining hydrocarbon oils. 1,669,944; May 15.
- McMillan Book Company. (See Unger, Paul O., assignor.)
- McMillan Book Company. (See McMillan, J. L., and Unger, assignors.)
- McMillan, Howard O., Minneapolis, Minn. Column clamp for castings. Re17,170; Dec. 25.
- McMillan, James O., El Dorado, assignor to Standard Pump & Supply Company, Wichita, Kans. Compressor. 1,686,569; Oct. 9.
- McMillan, John L., Syracuse, N. Y. Loose-leaf binder. 1,684,373; Sept. 11.
- McMillan, John L., and P. O. Unger, assignors to McMillan Book Company, Syracuse, N. Y. Flexible-post binder. 1,686,219; Oct. 2.
- McMillan, John W., Muncie, Ind. Inhaling device. 1,683,686; Sept. 11.
- McMillan, Randall, and M. R. Schall, Palo Alto, Calif. Coffeepot. 1,665,143; Apr. 3.
- McMillan, Theresa, Chicago, Ill. Hair-waving device. 1,689,355; Oct. 30.
- McMillan, Thomas A., New York, N. Y. Fiddle snatch block. 1,672,823; June 5.
- McMillan, Wesley K., San Francisco, Calif. Tractor scraper. 1,682,137; Aug. 28.
- McMillan, William P., Punta Gorda, Fla. Garden hoe. 1,663,716; Mar. 27.
- McMinn, Charles R., J. B. Holliday, and J. T. Robinson, Los Angeles, Calif. Antislip piston ring. 1,660,846; Feb. 28.
- McMullan, Samuel, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material holder. 1,687,579; Oct. 16.
- McMullen, George B., assignor to Sanitary Nursing Bottle Company, Inc., Philadelphia, Pa. Nursing bottle. 1,657,021; Jan. 24.
- McMullen, John, Buffalo, N. Y. Device for taking up brake-chain slack. 1,667,560; Apr. 24.
- McMullen, John, Buffalo, N. Y. Door opening and closing mechanism. 1,694,134; Dec. 4.
- McMullen, John, Buffalo, N. Y., assignor to E. P. Smith, Springfield, Ill. Draft-key anchor. 1,657,864; Jan. 31.
- McMullen, John E., Council Bluffs, Iowa. Rail-chair plate. 1,675,504; July 3.
- McMullin, Leroy K., St. Louis, Mo. Radio amplifier unit. 1,656,009; Jan. 10.
- McMurdie, Charles L., Ferndale, Mich. Manicuring light. 1,683,476; Sept. 4.
- McMurdo, Percy F., San Francisco, Calif. Apparatus for surgical uses. 1,696,496; Dec. 25.
- McMurray, Hugh. (See West, Robert, assignor.)
- McMurray, Walter E., assignor to Clearfield Machine Company, Clearfield, Pa. Grinding pan. 1,661,297; Mar. 6.
- McMurray, William C., Avalon, Pa. Knockdown fusee and carrying case. 1,695,052; Dec. 11.
- McMurry, John D., Memphis, Tenn. Combination collar and hame. 1,678,782; July 31.
- McMurtrie, John F., assignor of one-half to W. W. Hopkins, Springfield, Mass. Steering gear for motor vehicles. 1,666,104; Apr. 17.
- McMurtrie, William B., and W. B. Gover, Shidler, assignors of one-half to W. J. Donohue and one-half to F. Wolfe, Tulsa, Okla. Polish rod grip. 1,687,777; Oct. 16.
- McMurtry, John, assignor of one-third to W. H. Parks and one-third to A. H. Strahle, Mission, Tex. Railway switch. 1,691,852; Nov. 13.
- McMyler Interstate Company, The. (See Munn, Donald S., assignor.)
- McNab, Alexander, Bridgeport, Conn. Logometer. 1,663,211; Mar. 20.
- McNabb, Charlie, Scranton, Iowa. Extension hood for wind stackers. 1,681,77; Aug. 21.
- McNair, Harry, and J. G. Greenwood, Fort Madison, Iowa. Envelope for keeping records. 1,655,912; Jan. 10.
- McNally, Joseph C., assignor of one-half to R. B. Eldredge, Denver, Colo. Adjustable fastening means. 1,687,874; Oct. 16.
- McNally, William J., assignor to Dennison Manufacturing Company, Framingham, Mass. Game counter and making the same. 1,694,103; Dec. 4.
- McNamara, Denis, New York, N. Y. Punching bag. 1,665,969; Apr. 10.
- McNamara, James G., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 1,664,258; Mar. 27.
- McNamara, Michael W. P., Chicago, Ill. Fishplate. 1,690,744; Nov. 6.
- McNamara, Russell E., St. Marys, Ontario, Canada. Tire rim. 1,662,321; Mar. 13.
- McNamara, William V., Buffalo, N. Y. Suspenders. 1,672,535; June 5.
- McNamee, James, Ballston Spa, N. Y. Knitting machine. 1,692,945; Nov. 27.
- McNaney, Ralph S. (See Judd, R. M., Taylor, and McNaney.)
- McNaught, Norris F., Chicago, assignor to Cross Manufacturing Company, Woodstock, Ill. Rebound check. 1,694,549; Dec. 11.
- McNeal, Daniel R., Palmyra, N. J., assignor to Andale Engineering Company. Heater or cooler. 1,662,615; Mar. 13.
- McNeal, Daniel R., Palmyra, N. J., assignor to Andale Engineering Company, Strainer. 1,675,505; July 3.
- McNeil, Claude F. (See Rogers, F. M., and McNeil.)
- McNeil, Uirus H., and F. G. Pearce Woods Cross, Utah. Loud speaker. 1,661,541; Mar. 6.
- McNeill, Herbert H. (See Brewer, Oscar Z., assignor.)
- McNeill, Locksley D. C., Robin, Manitoba, Canada. Neck-yoke attachment. 1,670,818; May 22.
- McNeill, Walter G., and R. Kauch, Dayton, Ohio. Adjustable ring sight. 1,686,163; Oct. 2.
- McNichol, Theodore W., et al. (See Coville, John E., assignor.)
- McNicol, D. E., Pottery Co. of W. Va., The. (See Cronin, John A., assignor.)
- McNicoll, David, assignor to The British Oil and Cake Mills Limited, Kingston-upon-Hull, England. Treatment of crude cottonseed oil. 1,671,834; May 29.
- McNiel, D. S. (See Essex, F. C., and Maxson, assignors.)
- McNulta, Joseph J. (See Girtanner, A., and McNulta.)
- McNulty, Alexis C., Rutherford, N. J. Boiler. 1,674,442; June 19.
- McNulty, Gregory F. (See Brown, G. C., and McNulty.)
- McNutt, Hamilton H., Beggs, Okla. Rail joint. 1,659,300; Feb. 14.
- McNutt, Lester J., Jefferson, Ohio. Apparatus for making carbon and generating. 1,670,686; May 22.
- McOlvin, Edward P., Wolf Summit, W. Va. Lamp. 1,680,389; Aug. 14.

- McOlvin, Robert C., Baxter, W. Va. Plant support. 1,659,116; Feb. 14.
- McPartland, Frank. (See Cox, P., and McPartland.)
- McPhail, Malcolm E., Cohoes, N. Y. Cap shooter. 1,692,089; Nov. 20.
- McPhee, Dougald, Vancouver, British Columbia, Canada. Device for gripping and removing milk-bottle caps. 1,669,008; May 8.
- McPhee, Dougald, Vancouver, British Columbia, Canada. Can opener. 1,673,258; June 12.
- McPherson, Charles, assignor, by mesne assignments, to Friction Power Corporation Limited, Montreal, Quebec, Canada. Power-transmitting device. 1,664,567; Apr. 8.
- McPherson, John S., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Brake hanger. 1,661,228; Mar. 6.
- McPhillips, Arthur M., Beloit, Wis. Beater-engine roll. 1,674,911; June 26.
- McQuaid, John W., Filmore, Calif. Casing head. 1,680,900; Aug. 14.
- McQuaide, Thomas A. (See Heinle, Albert G., assignor.)
- McQuain, Thomas, Ocean Park, Calif. Concrete-molding machine. 1,693,852; Dec. 4.
- McQuarrie, Thomas, et al. (See Hansen, John, assignor.)
- McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)
- McQuay, William A., Dauphin, Manitoba, Canada. Stock loader and conveyor. 1,662,755; Mar. 13.
- McQuiddy, Robert H., Marshall, Mo. Piston for internal-combustion engines. 1,663,212; Mar. 20.
- McQuinn, Thomas H., Preston, assignor to H. M. Sargood, Toorak, Victoria, Australia. Electric liquid heater. 1,674,369; June 19.
- McQuinn, Thomas H., London, England, assignor of one-third to H. M. Sargood, Toorak, Victoria, Australia. Electric radiator. 1,676,834; July 10.
- McRae, Frederick W., Eagle Rock, assignor to McRae Paint Products, Inc., Los Angeles, Calif. Paint or waterproofing material and producing the same. 1,684,593; Sept. 18.
- McRae Paint Products, Inc. (See McRae, Frederick W., assignor.)
- McRae, Randolph J., assignor to C. V. Bob, New York, N. Y. Transporting crate for luminous tubes or other fragile articles. 1,687,630; Oct. 16.
- McSheen, Edward W. (See French, H. G., and McSheen.)
- McTaggart, Dougald, et al. (See Exley, Charles N., assignor.)
- McTarnahan, John T. (See Johnson, L. E., Hansen, and McTarnahan.)
- McTarnahan, John T., Boston, Mass. Fuel-oil-preheating device. 1,671,993; June 5.
- McTavish, Robert, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Rendering apparatus. 1,695,254; Dec. 11.
- McVeety, Charles, Cheltenham, Pa. Holding and guiding means for sliding partitions. 1,680,561; Aug. 14.
- McVety Toy Company. (See Butterfield, Louis M., assignor.)
- McVey, Leland S., Fontana, Calif. Game apparatus. 1,678,189; July 24.
- McVey, Leland S., Fontana, Calif. Game. 1,681,682; Aug. 21.
- McVicker, Emery M., Milwaukee, assignor to J. F. McVicker, Milwaukee County, Wis. Rail anchor. 1,665,187; Apr. 3.
- McVicker, J. F. (See McVicker, Emery M., assignor.)
- McVicker, Robert J., New York, N. Y. Attachment for mouthpieces of musical instruments. 1,680,159; Aug. 7.
- McVicker, Walter J., and A. R. Sandt, assignors to Enterprise Machinery Company, Minneapolis, Minn. Separable tractor dump wagon. 1,685,171; Sept. 25.
- McWane, Arthur T., Birmingham, Ala. Window guard. 1,673,578; June 12.
- McWane, Arthur T., Birmingham, Ala. Cabinet. 1,673,839; June 19.
- McWane, Arthur T., Birmingham, Ala. Window guard. 1,693,853; Dec. 4.
- McWane, James R. (See Woods, William P., assignor.)
- McWane, James R., Birmingham, Ala. Supporting core bars in flasks. Re17,121; Oct. 30.
- McWane, James R., Birmingham, Ala. Cast-iron pipe. 1,688,727; Oct. 23.
- McWane, James R., Birmingham, Ala. Supporting cores in molds in the manufacture of tubular castings. 1,688,728; Oct. 23.
- McWhirter, John S., New York, N. Y. Air-brake release. 1,661,730; Mar. 6.
- McWhirter, John S., Southport, Conn. Journal-bearing construction. 1,684,405; Sept. 18.
- McWilliam, Edward, assignor to Standard Thermometer Inc., Boston, Mass. Thermometer case. 1,672,388; June 5.
- McWilliams, Arthur C., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Metering panel board. 1,686,717; Oct. 9.
- McWilliams, Robert R., Orcutt, Calif. Rod grip or clamp. 1,655,734; Jan. 10.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Oven-heat regulator. 1,656,010; Jan. 10.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas range. 1,689,955; Oct. 30.
- Meacham, Frederick C., Garden City, N. Y. Device for calculating time. 1,676,912; July 10.
- Meacham, Merle R., Elizabeth, N. J., assignor to Standard Oil Development Company. Distillation of hydrocarbons. 1,661,189; Mar. 6.
- Mead, Carl E., Cleveland, Ohio. Wire-drawing mechanism. 1,682,393; Aug. 28.
- Mead, Edward D., Caldwell, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,665,318; Apr. 10.
- Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa Iowa. Emergency-brake control. 1,669,621; May 15.
- Mead, George J., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanization of tire casings. 1,667,127; Apr. 24.
- Mead, Homer A., Turlock, Calif. Open-end adjustable wrench. 1,685,432; Sept. 25.
- Mead, Homer A., Turlock, Calif. Pliers. 1,688,729; Oct. 23.
- Mead, Irving, Rockford, Ill. Brooder. 1,671,039; May 22.
- Mead Pulp & Paper Company, The. (See Heisel, Ralph E., assignor.)
- Mead Pulp & Paper Company, The. (See Ludwig, William C., assignor.)
- Mead, Richard R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Space-band-transfer means for typographical machines. 1,671,155; May 29.
- Mead, Samuel N., jr. (See Jones, J. S., and Mead.)
- Mead, Samuel N., jr. (See Oneal, L. E., and Mead.)
- Mead, William J., Galveston, Tex. Valve. 1,661,190; Mar. 6.
- Meade, Joseph F. (See Mummert, H. C., and Meade.)
- Meader, Ralph I., Brooklyn, N. Y., and E. W. Hewitt, Stamford, Conn., assignors to The Western Union Telegraph Company, New York, N. Y. Desk clip for message blanks. 1,671,869; May 29.
- Meadcroft, Joseph W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Electrode clamp. 1,663,258; Mar. 20.
- Meadcroft, Joseph W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Electric welding machine. 1,665,038; Apr. 3.
- Meadcroft, Joseph W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Electric welding machine. 1,665,066; Apr. 3.
- Meadcroft, Joseph W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Electric welding machine. 1,665,067; Apr. 3.
- Meadows, Albert. (See Sherman, A. G., and Meadows.)
- Meadows, Otis F., Asheville, N. C. Advertising device. 1,691,204; Nov. 13.
- Meads, Walter, assignor to Acme Lace Works, Inc., Hightstown, N. J. Lace medallion. Des. 74,752; Mar. 20.
- Meads, Walter, assignor to Acme Lace Works, Inc., Hightstown, N. J. Lace medallion. Des. 74,983; Apr. 24.
- Meads, Walter, assignor to Acme Lace Works, Inc., Hightstown, N. J. Lace medallion. Des. 76,031; Aug. 14.
- Meagher, Ira E. (See Canright, Bruce W., assignor.)
- Meaker Company, The. (See Miller, C. G., and Cleveland, assignors.)
- Meaker, John W., Evanston, Ill. Coating wire fabric. 1,689,792; Oct. 30.
- Meakin, Edgar T., Berkeley, Calif. Continuous press. 1,662,531; Mar. 13.
- Meakin & Ridgway, Inc. (See Ridgway, Edward J., assignor.)
- Meakin & Ridgway, Inc. (See Woodman, Walter S., assignor.)
- Mealer, Earl W. (See Pool, W. R., and Mealer.)
- Meals, Casper D., Nutley, N. J., assignor to American Cable Company, Inc. Rope sling. 1,686,288; Oct. 2.
- Means, Dwight R., Medina County, Ohio, assignor to Pittsburgh Plate Glass Company. Soda-ash furnace. 1,679,486; Aug. 7.
- Means, Reuben L., Valentine, Tex. Combination tool. 1,664,081; Mar. 27.
- Meany, Daniel N., and E. N. Ellsworth, assignors to Electric Fireplace Manufacturing Company, Chicago, Ill. Electric fireplace. 1,675,418; July 3.
- Meany, James M., and H. D. Norris, Portland, Ore., assignors to Lidgerwood Manufacturing Company, New York, N. Y. Sheave block. 1,681,947; Aug. 28.
- Meara, David C., assignor of one-tenth to A. J. Mouchou, Oakland, Calif. Automatic train control. 1,689,738; Oct. 30.
- Mears, Atherton H. (See Hunt, F. L., and Mears.)
- Mears, George A., Newberry, Pa. Fire-extinguishing system for motion-picture booths. 1,660,081; Feb. 21.
- Mears, Joseph A., assignor to Wired Radio, Inc., New York, N. Y. Sound reproducer. 1,688,730; Oct. 23.
- Meccano Company. (See Hornby, Frank, assignor.)
- Mechanical Rubber Company, The. (See Cobb, Henry Z., assignor.)
- Mechanical Rubber Company, The. (See Kent, William J., assignor.)
- Mechanical Rubber Company, The. (See Keys, Walter C., assignor.)
- Mechanical Rubber Company, The. (See Madge, Norman G., assignor.)
- Mechanical Rubber Company, The. (See McComb, Henry G., assignor.)

- Mechanical Rubber Company The. (See Rose, Reed P., assignor.)
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 76,881; Nov. 13.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 76,882; Nov. 13.
- Mechlovits, Bernat, New York, N. Y. Metal brooch or similar article. Des. 76,883; Nov. 13.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 76,949; Nov. 20.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 77,113; Dec. 4.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 77,177; Dec. 11.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 77,178; Dec. 11.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 77,179; Dec. 11.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 77,180; Dec. 11.
- Mechlovits, Bernat, New York, N. Y. Brooch or similar article. Des. 77,249; Dec. 18.
- Meckbach, Ernst, Opladen, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne, Germany. Protecting wool and fur from moths. 1,682,975; Sept. 4.
- Mecklenburg, John C., Hancock, Minn. Cultivator shovel. 1,666,393; Apr. 17.
- Mecky, A., Co. (See Ledig, Richard G., assignor.)
- Mecom, Harvey, Liberty, Tex. Drill. 1,667,077; Apr. 24.
- Medart, Fred, Manufacturing Company. (See Albach, Frank, assignor.)
- Medearis, Robert E., Nashville, Tenn. Electric steam table. 1,693,522; Nov. 27.
- Medford, Albert. (See Duke, A., Allsop, and Medford.)
- Medholdt, Louis T. (See Vivartas, W. O., and Medholdt.)
- Medholdt, Louis T., assignor to Mattison Machine Works, Rockford, Ill. Cutter head and knife. 1,671,600; May 29.
- Medholdt, Louis T., assignor to Mattison Machine Works, Rockford, Ill. Cutter head. 1,678,820; July 31.
- Mediati, Bruno R., Salt Lake City, Utah. Bottle cap and fastener. 1,676,998; July 10.
- Mediavilla, Leopoldo, New York, N. Y. Die-cast boat construction. 1,667,561; Apr. 24.
- Medveczky, Ladislav, Rakoshegy, Hungary. Safety stopper for bottles or other receptacles. 1,671,119; May 29.
- Medveczky, Ladislav, Rakoshegy, Hungary. Envelops and other article of paper. 1,692,219; Nov. 20.
- Meehan, Augustus F., Chattanooga, Tenn. Cast iron and making same. 1,683,086; Sept. 4.
- Meehan, Augustus F., assignor to Meehanite Metal Corporation, Chattanooga, Tenn. Cast iron and making same. 1,683,087; Sept. 4.
- Meehan, Hugh H., Chicago, Ill. Golf driving board. 1,668,597; May 8.
- Meehan, Paul A., assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Furnace-truck seal. 1,693,152; Nov. 27.
- Meehanite Metal Corporation. (See Meehan, Augustus F., assignor.)
- Meek, George A., Leon, Iowa. Combination corncrib and grain bin. 1,686,871; Oct. 9.
- Meek, Hamilton D., Los Angeles, Calif. Weather-strip attachment. 1,681,869; Aug. 21.
- Meeker, Channing D., Bedford, Ohio. Support for table tops. 1,671,736; May 29.
- Meeker, Charles R., assignor to Oil Well Supply Company, Pittsburgh, Pa. Well packer. 1,689,956; Oct. 30.
- Meekins, Jesse R., Marshalltown, Iowa. Current motor. 1,667,634; Apr. 24.
- Meeks, Ralph R. (See De Baugh, H. L., Meeks, and Strayer.)
- Meeks, Thomas H., et al. (See Hitchcock, Guy F., assignor.)
- Meents, Adolf J., Albert City, Iowa. Combined shovel, hoe, and rake. 1,689,886; Oct. 30.
- Meerwein, Hans, Konigsberg in Prussia, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Producing complex metal alcohols. 1,689,356; Oct. 30.
- Mees, Charles E. K., assignor to Eastman Kodak Company, Rochester, N. Y. Making multicolor screens. 1,666,048; Apr. 10.
- Meese, James. (See Clark, J., Smith, and Meese.)
- Mefford, Fred E. (See Murphy, Roy E., assignor.)
- Megathlin, Ralph S., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Preparing heel blanks. 1,671,156; May 29.
- Megathlin, Ralph S., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for preparing heel blanks. 1,671,157; May 29.
- Megath, Samuel A., New York, N. Y. Refrigerator basket. 1,688,125; Oct. 16.
- Megee, Joseph W., Tulsa, Okla. Display stand. 1,667,669; Apr. 24.
- Megley, Harley J., Chicago, Ill. Molding means for type-casting machines and the like. 1,655,913; Jan. 10.
- Megling, George C., Canton, Ohio. Scrubbing and drying machine. 1,663,056; Mar. 20.
- Megonigle, Hamilton A. (See Snoddy, C. S., Hines, and Megonigle.)
- Meier, Albert H., Evansville, Ind. Pipe vise and bender. 1,688,199; Oct. 16.
- Meier, Charles, Valparaiso, Ind. Ferrous alloy. 1,662,158; Mar. 13.
- Meier, Earl C., and A. C. Brammer, Wichita, Kans. Guiding means for oil-well pump rods. 1,672,850; June 5.
- Meier & Weichelt. (See Schuz, Emil, assignor.)
- Meierhaus, Henry. (See Schwerdtfeger, F. W., and Meierhaus.)
- Meikle, Helen H., executrix. (See Meikle, Joseph W. C.)
- Meikle, Joseph W. C., deceased, assignor of one-half to W. J. Soper; H. H. Meikle, executrix, assignor of one-fourth to W. J. Soper, Baltimore, Md. Paper bag. 1,671,775; May 29.
- Meiklejohn, John W., Pawtucket, R. I. Trouser-supporting device. 1,696,809; Dec. 25.
- Meiklejohn, Roy M., Flushing, assignor to General Chemical Company, New York, N. Y. Making aluminum sulphate. 1,679,366; Aug. 7.
- Meilicke, Carl A., Chicago, Ill. Fireside golf green. Des. 77,020; Nov. 27.
- Meilink, Charles F., Toledo, Ohio. Bolt mechanism. 1,660,516; Feb. 28.
- Meinecke, Christian W., East Orange, N. J., assignor to Meinecke & Company, New York, N. Y. Serving tray. 1,655,735; Jan. 10.
- Meinecke & Company. (See Meinecke, Christian W., assignor.)
- Meinecke, Joseph, Paia, Maui, Hawaii. Knife holder for rotary cane cutters. 1,671,040; May 22.
- Meinig, E. Richard Co. (See Meinig, Ernest R., assignor.)
- Meinig, Ernst R., Wyomissing, assignor to E. Richard Meinig Co., Inc., Reading, Pa. Warp knit fabric. 1,675,506; July 3.
- Meininger, Ernest. (See Bell, K. D., and Meininger.)
- Meisekothén, Edwin E., Madison, Ill., assignor to French Battery Company, Madison, Wis. Dry battery and method of construction. 1,656,644; Jan. 17.
- Meisekothén, Edwin E., assignor to French Battery Company, Madison, Wis. Dry-battery construction. 1,664,126; Mar. 27.
- Meisekothén, Edwin E., assignor to French Battery Company, Madison, Wis. Dry battery and method of manufacture. 1,678,601; July 24.
- Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Sheet-handling mechanism. 1,691,891; Nov. 13.
- Meisel, Otto C. F., assignor to Meisel Press Manufacturing Company, Boston, Mass. Sheet-handling mechanism. 1,691,888; Nov. 13.
- Meisel, Otto C. F., assignor to Meisel Press Manufacturing Company, Boston, Mass. Controlling mechanism for successively-acting printing units. 1,691,889; Nov. 13.
- Meisel, Otto C. F., assignor to Meisel Press Manufacturing Company, Boston, Mass. Tucker. 1,691,890; Nov. 13.
- Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)
- Meisel Press Manufacturing Company. (See Meisel, Otto C. F., assignor.)
- Meisenburg, Kurt. (See Schulemann, W., and Meisenburg.)
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and arrangement for generating oscillations by two-anode electron tube. 1,675,367; July 3.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means to electric wave transmission. 1,694,135; Dec. 4.
- Meissner, Alexander, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna for influence luminous rays. 1,694,661; Dec. 11.
- Meissner, Charles, assignor of one-third to C. R. Robinson, San Diego, Calif. Regulating-valve mechanism for gasoline lanterns. 1,662,978; Mar. 20.
- Meister, George W., Irvington, N. J., assignor to Westinghouse Lamp Company. Filament for incandescent lamps. 1,663,560; Mar. 27.
- Meitzler, Charles R. (See Pieper, O. H., and Meitzler.)
- Meiwald, Franz, Vienna, Austria. Insulated flexible conductor and producing same. 1,686,098; Oct. 2.
- Mekeel, Van Cortright, assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Treating manganese steel. 1,671,870; May 29.
- Melahn, August M., Brooklyn, N. Y. Switch-operating means. 1,686,633; Oct. 9.
- Melby, Olaf, Phoenix, Ariz. Telegraphonic apparatus. 1,656,216; Jan. 17.
- Melcer, Ralph H., assignor to The Palmer Brothers Company, New London, Conn. Bed comfortable. 1,687,580; Oct. 16.
- Melcher, Lee W., West De Pere, Wis. Car-axle bearing. 1,687,221; Oct. 9.
- Melcher, Lee W., West De Pere, assignor to Railway Motors Corporation, De Pere, Wis. Motor-driven vehicle. 1,691,579; Nov. 13.
- Melchor, James T., Mooresville, N. C., assignor to Saco-Lowell Shops, Boston, Mass. Warper. 1,683,367; Sept. 4.
- Melco Engineering Corporation. (See Meyers, Sidney E., assignor.)
- Melder, Theodore, Roxbury, Mass. Secret-lock box. 1,693,038; Nov. 27.
- Meldrum, Alexander. (See Gabrielson, C., and Meldrum.)
- Meldrum, Alexander, Syracuse, N. Y. Sectional wheel. 1,684,552; Sept. 18.

- Meldrum, Alexander, assignor to Meldrum-Gabrielson Corporation, Syracuse, N. Y. Vehicle wheel. 1,680,160; Aug. 7.
- Meldrum, Alexander, Syracuse, assignor to Smith-Lee Company, Inc., Oneida, N. Y. Cover-all cap. 1,693,455; Nov. 27.
- Meldrum-Gabrielson Corporation. (See Meldrum, Alexander, assignor.)
- Meldrum, Harry, Brooklyn, N. Y. Vaginal syringe. 1,670,160; May 15.
- Meletio, William A. (See Gruendler, G. J., and Meletio.)
- Meliodon, Jules A., Lincoln Park, N. J. Ornamental jewelry. 1,691,445; Nov. 13.
- Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sheet material and incorporating the same in a covering structure. 1,655,872; Jan. 10.
- Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Interior covering structure for rooms and applying same. 1,661,078; Feb. 28.
- Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing grained rubber articles. 1,663,275; Mar. 20.
- Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sheet material and making and mounting the same. 1,677,284; July 17.
- Mellano, Isadore S., assignor to Kemikal Inc., Philadelphia, Pa. Plastic material from peat and process of producing. 1,681,155; Aug. 14.
- Mellano, Isadore S., Philadelphia, Pa., assignor to Kemikal Inc. Manufacturing oxygen-containing compounds of the aliphatic series. 1,681,156; Aug. 14.
- Mellem, Guy G., Minneapolis, Minn. Doorstop. 1,964,550; Dec. 11.
- Meller, Louis J. (See Burson, E. E., and Meller.)
- Meller, Reginald B., Alameda, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Display stand. 1,685,571; Sept. 25.
- Meller, Reginald B., Alameda, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Display stand. 1,687,875; Oct. 16.
- Meller, Reginald B., Alameda, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Display device. 1,694,551; Dec. 11.
- Mellin, George E., New York, N. Y. Idler for belt conveyers. 1,678,997; July 31.
- Melling, Herman W., Jackson, Mich. Lathe. 1,655,655; Jan. 10.
- Melling, Russell C., Kent, Ohio. Paper-roll holder. 1,670,120; May 15.
- Mellinger, Emanuel M., Gridley, Calif. Rail chair. 1,659,494; Feb. 14.
- Mellor, Horace, assignor to Sanford Mills, Sanford, Me. Pile fabric. 1,693,282; Nov. 27.
- Mellor, John. See Crossby, W. E. J., and Mellor.)
- Mellor, Joseph W., Stoke-on-Trent, England. Manufacture of pottery or the like. 1,666,828; Apr. 17.
- Mellor, Leonard, Manchester, England. Machine for wrapping articles of a uniform or approximately uniform size and shape. 1,681,492; Aug. 21.
- Melodelite Corporation. (See McCormick, William E., assignor.)
- Meloon, James W., Wellesley, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attachment of sole to shoe. 1,694,446; Dec. 11.
- Melott, John M., Los Angeles, Calif. Flexible coupling. 1,671,436; May 29.
- Méotte, Alfred, Brussels, Belgium. Milking machine. 1,656,124; Jan. 10.
- Melrose Slipper Co., Inc. (See Keminsky, Rubin, assignor.)
- Melton, Burton E., San Francisco, Calif. Headlight. 1,662,322; Mar. 13.
- Melton, Sherman, Sturgis, Ky. Power-factor control for power systems. 1,681,004; Aug. 14.
- Melton, Sherman, Sturgis, Ky. Power-factor control for power distribution. 1,681,005; Aug. 14.
- Meltzer, Henry E., and M. J. Svoren, Racine, assignors to Allover Mfg. Co., Racine County, Wis. Combination radiant heater and curling-iron attachment. 1,659,278; Feb. 14.
- Meltzer, Israel, New York, N. Y. Combined heat insulator and protector for milk bottles and the like. 1,669,061; May 8.
- Meltzer, Jack, Brooklyn, N. Y. Bootie. Des. 76,253; Sept. 4.
- Melville Shoe Corporation. (See Melville, Ward, assignor.)
- Melville Shoe Corporation. (See Melville, W., and Smythe, assignors.)
- Melville, Ward, Brooklyn, N. Y., assignor to Melville Shoe Corporation. Store front. Des. 77,250; Dec. 18.
- Melville, Ward, Old Field, N. Y., assignor to Melville Shoe Corporation. Store front. Des. 77,251; Dec. 18.
- Melville, Ward, Old Field, and R. H. Smythe, Brooklyn, N. Y., assignors to Melville Shoe Corporation. Store front. Des. 77,252; Dec. 18.
- Melville, Wilbert. (See Wood, Edward K., assignor.)
- Melvin, Bradford M. (See Schulthess, Clara, assignor.)
- Melvin, Ernest W., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making inner tubes. 1,678,015; July 24.
- Melzer, Otto. (See Wahl, J., and Melzer.)
- Melzer, Richard H., assignor to Triplex Garment Presser, Inc., Syracuse, N. Y. Pipe coupling for garment-pressing machines. 1,674,018; June 19.
- Memco Engineering & Manufacturing Company. (See Lawson, Joel S., assignor.)
- Ménard, Elisée, Lyon, France. Document holder for files or the like. 1,673,695; June 12.
- Menasco, James H., Cushing, Okla. Checker's pad holder. 1,677,977; July 24.
- Menasha Wooden Ware Company. (See Smith, Mowry, assignor.)
- Menck & Hambroek Gesellschaft mit beschränkter Haftung. (See Menck, Hans F., assignor.)
- Menck, Hans F., assignor to the firm of Menck & Hambroek Gesellschaft mit beschränkter Haftung, Altona, Germany. Boom for shovel excavators. 1,670,470; May 22.
- Menczer, Samuel A., Fort Worth, Tex. Glare shield for motor vehicles. 1,694,552; Dec. 11.
- Mendel, William, Beverly, assignor to S. A. Neldich, Edgewater Park, N. J. Cellulose-xanthating process. 1,681,900; Aug. 21.
- Mendelsohn, Irving, New York, N. Y. Automatic station indicator for trains. 1,688,979; Oct. 23.
- Mendelson, Eugene S., New York, N. Y., assignor to Fried, Mendelson & Company. Textile fabric. Des. 75,183; May 15.
- Mendelson, Eugene S., New York, N. Y., assignor to Fried, Mendelson & Company. Textile fabric. Des. 75,184; May 15.
- Mendelson, Louis R., assignor to The Hotstream Heater Company, Cleveland, Ohio. Water-heater unit. 1,660,344; Feb. 28.
- Mendenhall, Earl. (See Johnson, C. E., and Mendenhall.)
- Mendenhall, James H., Nottingham, Pa. Antirattling device for windows. 1,684,636; Sept. 18.
- Mendenhall, Owen, Russiaville, Ind. Poultry feeder. 1,671,041; May 22.
- Mendez, Alvaro, East Orange, N. J., assignor to American Car and Foundry Company, New York, N. Y. Stanchion bracket. 1,685,135; Sept. 25.
- Mendoza, Arnulfo, North Bergen, N. J. Toothbrush. 1,677,194; July 17.
- Mendrop, Eldon R. (See Fisher, E. S., and Mendrop.)
- Menefee, Elmer, assignor of one-half to A. H. Stanley, Zanesville, Ohio. Spring-shoe amusement device. 1,679,046; July 31.
- Meng, Harry E., Oak Park, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Sprinkler head. 1,693,245; Nov. 27.
- Mengden, Hippolyte F., Houston, Tex. Mop. 1,675,368; July 3.
- Menge, Sidney L., New Orleans, La. Low-lift pump. 1,696,776; Dec. 25.
- Mengel Company. (See Turner, Joseph O., assignor.)
- Menjou, Pierre L., Paris, France. Mold for shaping and retreading tires with rubber. 1,657,220; Jan. 24.
- Menk, Rudolph W., Joliet, Ill. Air circulator for furnaces. 1,679,047; July 31.
- Menke, Robert F., Bessmay, Tex. Key-ring holder. 1,678,016; July 24.
- Menkin, Max, New York, N. Y. Button-assembling device. 1,682,301; Aug. 28.
- Menking, Ferdinand W. (See Speir, Seaborn J., assignor.)
- Menne, Fritz, Weidenau-on-the-Sieg, Germany, assignor to H. F. Hoevel, New York, N. Y. Press. 1,666,020; Apr. 10.
- Menne, Fritz, Weidenau-on-the-Sieg, Germany, assignor to H. F. Hoevel, New York, N. Y. Furnace. 1,680,468; Aug. 14.
- Mennen Company, The. (See Ballou, George F., assignor.)
- Menner, Frederic B. (See Freund, W. L., and Menner.)
- Mennillo, Francesco, Washington, D. C. Cooking and condensating semiliquid foods. 1,662,532; Mar. 13.
- Menningen, Adolph C., assignor to Koehring Company, Milwaukee, Wis. Tumbler. 1,668,778; May 8.
- Mensch, Charles H., Boyertown, Pa. Fastener. 1,689,150; Oct. 23.
- Menschaert, Joseph and M. V. J., Paturages, assignors to Aciéries de Haine St. Pierre et Lesquin, Société Anonyme, Haine St. Pierre, Belgium. Fish plate for railway rails. 1,670,976; May 22.
- Menschaert, Marcel V. J. (See Menschaert, Joseph and M. V. J.)
- Menschel, Reinhold, Berlin, Germany. Pump for atomizers. 1,694,104; Dec. 4.
- Mensing, Carl E. (See Linville, C. P., and Mensing.)
- Mensing, Carl E., Somerville, and R. E. Wiley, Plainfield, N. J. Special package of hygroscopic material. 1,678,154; July 24.
- Mensing, Carl E., Leavenworth, Kans., assignor of one-half to J. K. Thompson, Schenectady, N. Y. Golf club. 1,662,712; Mar. 13.
- Menter, Lucie, née Thomas. (See Thomas, Lucie.)
- Mentges Folder Company, The. (See Mentges, John, assignor.)
- Mentges, John, assignor to The Mentges Folder Company, Sidney, Ohio. Paper-folding machinery. 1,679,985; Aug. 7.
- Mentrum, Leonard. (See Grebe, Conrad H., assignor.)

- Menz, Gustav, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Runner blade for steam turbines. 1,678,263; July 24.
- Menz, Gustav, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Nozzle construction for steam turbines. 1,679,619; Aug. 7.
- Menzel Aktiengesellschaft. (See Menzel, Ernst, assignor.)
- Menzel, Ernst, assignor to Menzel Aktiengesellschaft, Elberfeld, Germany. Heat-exchange apparatus. 1,669,062; May 8.
- Menzel, Max M., Kenosha, Wis. Meat-block scraper and dresser. 1,667,329; Apr. 24.
- Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,657,513; Jan. 31.
- Menzies, William E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,678,868; July 31.
- Mercadante, Joseph. (See Thomson, Alfred M., assignor.)
- Mercantile Trust Company, executor. (See Stocker, George J.)
- Mercer, Alexander, Wainfleet, Ontario, Canada. Fire safety device for dwellings and factories. 1,678,520; July 24.
- Mercer, George W. (See Mercer, Russell G. and G. W.)
- Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Channeler. 1,661,630; Mar. 6.
- Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Channeler. 1,662,790; Mar. 13.
- Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 1,662,801; Mar. 13.
- Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,668,861; May 8.
- Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Percussive tool. 1,679,130; July 31.
- Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Channeler mechanism. 1,679,136; July 31.
- Mercer, Richard, Harrow, and F. Tench, London, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,688,150; Oct. 16.
- Mercer, Richard, Harrow, W. H. Paulett, Wandsworth, London, and F. Tench, West Norwood, London, England, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,672,225; June 5.
- Mercer, Russell G., San Francisco, and G. W. Mercer, Covina, Calif. Clamp. 1,689,078; Oct. 23.
- Mercer, Russell G. and G. W., San Francisco, Calif. Concrete clamp. 1,689,151; Oct. 23.
- Merchant, Thomas J., New York, N. Y. Hat holder. 1,668,246; May 1.
- Merchants Publishing Company. (See Burke, Milton C., assignor.)
- Mercier, René, assignor to Compagnie Continentale pour la Fabrication des Compteurs & Autres Appareils, Paris, France. Brake-magnet adjustment. 1,670,897; May 22.
- Merck and Company. (See Rosin, Joseph, assignor.)
- Merck & Co. (See Rulison, William, assignor.)
- Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
- Mercolino, Michael, et al. (See Losi, Lee F., assignor.)
- Mercury Manufacturing Company. (See Odiorne, William H., assignor.)
- Mercury Mills, Limited. (See Duncan, John A., assignor.)
- Mercury Mills, Limited. (See Stewart, A. D., Clarke, and Vagg, assignors.)
- Meredith, Harry P., and L. I. Friedlaender, Detroit, Mich. Shipping automobile bodies. 1,659,660; Feb. 21.
- Meredith, William J., Newton, Iowa. Wheel-angle indicator for automobiles. 1,675,656; July 3.
- Merenna, John S., Brooklyn, N. Y., assignor of one-tenth to H. B. Moses, Washington, D. C. Manufacturing and repairing shirts. 1,658,135; Feb. 7.
- Mergenthaler Linotype Company. (See Archer, Alfred, assignor.)
- Mergenthaler Linotype Company. (See Doxey, George A., assignor.)
- Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
- Mergenthaler Linotype Company. (See McNamara, James G., assignor.)
- Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)
- Mergenthaler Linotype Company. (See Muehleisen, Carl, assignor.)
- Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
- Mergenthaler Linotype Company. (See Rousseau, Joseph L., assignor.)
- Mergenthaler Linotype Company. (See Smith, Samuel, assignor.)
- Mergenthaler Linotype Company. (See Stouges, Anthony J., assignor.)
- Mergenthaler Linotype Company. (See Thomas, William, assignor.)
- Mergott, J. E., Co. (See Hiering, William C., assignor.)
- Merica, Paul D., New York, N. Y., and T. H. Wickenden, Roselle, N. J., assignors to The International Nickel Company, New York, N. Y. Addition material for ferrous metals. 1,680,058; Aug. 7.
- Merica, Paul D., New York, N. Y., and T. H. Wickenden, Roselle, N. J., assignors to The International Nickel Company, New York, N. Y. Addition material for ferrous metals. 1,680,161; Aug. 7.
- Merideth, Charles G., Evansville, Ind. Conductor terminal. 1,681,673; Aug. 21.
- Merifield, Verner, Los Angeles, Calif. Life-preserving device. 1,670,591; May 22.
- Merke, Alois, Chicago, Ill. Massage appliance. 1,676,104; July 3.
- Merkel, Sonya B., and E. Dobrowsky, New York, N. Y. Water silencer. 1,663,382; Mar. 20.
- Merker, Monte C., Reading, Pa. Billboard. 1,665,142; Apr. 3.
- Merki, Werner, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of physiologically-active substances from organs. 1,692,509; Nov. 20.
- Merkowitz, Paul, Malta, Mont. Garment deodorizer. 1,693,308; Nov. 27.
- Merk, Gustav A., assignor to Morgan Construction Company, Worcester, Mass. Lubricant distributor. 1,670,471; May 22.
- Merle, George, sr., Brooklyn, N. Y. Head covering for fowls. 1,657,865; Jan. 31.
- Merle, George, sr., Brooklyn, N. Y. Condenser. 1,686,333; Oct. 2.
- Merle, George, sr., Brooklyn, N. Y. Condenser. 1,686,334; Oct. 2.
- Merle, José, Buenos Aires, Argentina. Manufacturing solid products out of one or more liquid or plastic materials. 1,657,132; Jan. 24.
- Merley, Sylvan R., Dover, N. J., assignor to Doherty Research Company, New York, N. Y. Dehydration of alcohol. 1,688,751; Oct. 23.
- Merlis, Ira, assignor to Kelvin Engineering Co., Inc., New York, N. Y. Cane-cutting attachment for mills. 1,695,196; Dec. 11.
- Mermer, Stephan P., Toledo, Ohio. Glass-grinding machine. 1,687,985; Oct. 16.
- Mernit, Murray, assignor of one-tenth to A. Friedrich, New York, N. Y. Scraping device. 1,660,134; Feb. 21.
- Mero, Napoleon O., Raymond, Wash. Boiler. 1,668,021; May 1.
- Merrell, Irving S., assignor to Merrell-Soule Company, Syracuse, N. Y. Order card. 1,659,325; Feb. 14.
- Merrell, Irving S., Syracuse, assignor, by mesne assignments, to Merrell-Soule Company, Inc., New York, N. Y. Food product. 1,689,357; Oct. 30.
- Merrell, Russell. (See Hinz, O., and Merrell.)
- Merrell-Soule Company. (See Merrell, Irving S., assignor.)
- Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Burning or subliming sulphur. 1,657,545; Jan. 31.
- Merrick, Frank W., Boston, Mass. Sewing machine. 1,666,177; Apr. 17.
- Merrick, Frank W., Dorchester, Mass., assignor to American Stay Company, East Boston, Mass. Fastening-driving means for welts. 1,671,080; May 22.
- Merrick, Frank W., Dorchester, assignor to American Stay Co., East Boston, Mass. Slitting machine. 1,695,715; Dec. 18.
- Merrick, Herbert L., Passaic, N. J. Electric-circuit-closing means. 1,655,430; Jan. 10.
- Merrick, Herbert L., Passaic, N. J. Recording means. 1,693,701; Dec. 4.
- Merrick, Samuel W., Seabeck, Wash. Tree collar. 1,674,118; June 19.
- Merrick Scale Mfg. Company. (See Hebden, Frank S., assignor.)
- Merriell, Frank C., Fruita, Colo. Vehicle spring mechanism. 1,655,323; Jan. 3.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Forming screw threads. 1,656,592; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Screw-thread-cutting tool for cutting tapered threads. 1,656,593; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Forming tapered threads. 1,656,594; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Forming screw-thread-cutting tools. 1,656,595; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Screw-thread cutting tool. 1,656,596; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Tap for forming screw-thread-cutting dies. 1,656,597; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Machine for forming screw-thread-cutting taps. 1,656,598; Jan. 17.
- Merrifield, John D., assignor to Reed Manufacturing Company, Erie, Pa. Pipe cutter. 1,679,225; July 31.
- Merrill, Albert A., Pasadena, Calif. Airplane laboratory. 1,682,138; Aug. 28.

- Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sponge-rubber structure and making the same. 1,659,371; Feb. 14.
- Merrill, Allan B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite product and making same. 1,677,360; July 17.
- Merrill, Arthur H., Hartford, Conn. Key case. 1,685,288; Sept. 25.
- Merrill, Charles A. (See Duquette, I. L., Plasse, and Merrill.)
- Merrill, Charles F., assignor to Draper Corporation, Hopedale, Mass. Spinning-ring traveler. 1,666,714; Apr. 17.
- Merrill, Charles F., assignor to Draper Corporation, Hopedale, Mass. Constructing spinning-ring travelers. 1,676,205; July 3.
- Merrill, Charles N., assignor to Great Northern Paper Company, Millinocket, Me. Paper making. 1,662,200; Mar. 13.
- Merrill Company, The. (See Mills, Louis D., assignor.)
- Merrill, David K., Berkeley, assignor to Union Oil Company of California, Los Angeles, Calif. Emulsifiable oil. 1,695,197; Dec. 11.
- Merrill, David R., Berkeley, assignor to Union Oil Company, Los Angeles, Calif. Clarifying, decolorizing, and neutralizing oils. 1,695,198; Dec. 11.
- Merrill, Earl S., Kansas City, Mo. Rack. 1,682,180; Aug. 28.
- Merrill, Fred R., Miles City, Mont. Refreshment booth. Des. 75,506; June 12.
- Merrill, Fred R., Miles City, Mont. Building front. Des. 76,491; Oct. 2.
- Merrill, Hamilton, South Orange, N. J., assignor to Tower Manufacturing Co., Inc. Purification of nitraniline. 1,692,308; Nov. 20.
- Merrill, Joseph M., Montclair, N. J. Ash receiver. 1,673,199; June 12.
- Merrill, Milo C., Plaxton, N. Dak. Automobile signal device. 1,671,200; May 29.
- Merrimack Manufacturing Company. (See Dick, Hugo P., assignor.)
- Merrimack Manufacturing Company. (See Page, Judith, assignor.)
- Merrimack Man'fg Co. (See Robinson, Charles A., assignor.)
- Merriman, Carroll L. (See Baker, L. E., and Merriman.)
- Merriman, Carroll L., assignor to Wayne Company, Fort Wayne, Ind. Measuring scale for transparent liquid containers. 1,662,533; Mar. 13.
- Merriman, Carroll L., assignor to Wayne Company, Fort Wayne, Ind. Liquid measuring and dispensing apparatus. 1,677,285; July 17.
- Merriman, Lewis E., Salina, Kans., assignor to The Merriman Manufacturing Corporation, Fort Wayne, Ind. Ironing board. 1,689,445; Oct. 30.
- Merriman Manufacturing Corporation, The. (See Merriman, Lewis E., assignor.)
- Merriman, Thomas C., Tunstall, England, assignor to William S. Pitcairn Corporation. Covered dish or similar article. Des. 77,021; Nov. 27.
- Merrin, Samuel A., Chicago, Ill., assignor, by mesne assignments, to Marathon Paper Mills Company, Rothschild, Wis. Dispensing container. 1,684,188; Sept. 11.
- Merrin, Samuel A., Chicago, Ill., assignor, by mesne assignments, to Marathon Paper Mills Company, Rothschild, Wis. Dispenser for paper napkins and the like. 1,692,463; Nov. 20.
- Merritt, Charles H., Bellingham, Wash. Stringed musical instrument. 1,690,870; Nov. 6.
- Merritt, Clarence E. (See Grover, W. H., Merritt, and Pooley.)
- Merritt, Floyd C., Los Angeles, Calif., assignor to Elliott Core Drilling Company. Coring device. 1,669,098; May 8.
- Merritt, G. C. (See Minott, Adair W., assignor.)
- Merritt, Glenn W., Bowerston, Ohio. Combination automatic car feeding and stopping mechanism. 1,682,718; Aug. 28.
- Merritt, Mary E. A., Long Beach, Calif. Easel. 1,664,784; Apr. 3.
- Merritt, Mathew M., Middleton, Mass., assignor by mesne assignments, to United Shoe Machinery Corporation. Paterson, N. J. Apparatus for and method of tanning hides. 1,668,652; May 8.
- Merritt, Mathew M., Middleton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for treating hides and skins. 1,694,447; Dec. 11.
- Merrrow Machine Company, The. (See Washburn, John M., assignor.)
- Merry, Seward B., Berkeley, assignor to The Republic Steel Package Company, Richmond, Calif. Dispensing tank. 1,673,696; June 12.
- Merryweather, George E., Cleveland, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Double take-off gear. 1,659,437; Feb. 14.
- Merseles, Henry R. (See Merseles, H. E. and H. R., Simmons, and Engel.)
- Merseles, Henry R., Bronxville, N. Y., assignor, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Dish rack. 1,655,281; Jan. 3.
- Merseles, Henry R., Bronxville, and P. M. Wood, New Rochelle, N. Y., assignors, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,664,637; Apr. 3.
- Merseles, Herbert E., New Rochelle, N. Y., assignor to Hobart Manufacturing Company, Troy, Ohio. Washing machine. 1,660,345; Feb. 28.
- Merseles, Herbert E. and H. R., Bronxville, C. F. Simmons, New Rochelle, and P. H. Engel, New York, N. Y., assignors, by mesne assignments, to Hobart Manufacturing Company, Troy, Ohio. Dishwashing machine. 1,655,280; Jan. 3.
- Mershon, Stephen L., Llanerch, Pa. Device for automatically controlling pilot lights of heavy-oil burners for furnaces, boilers, and the like. 1,687,135; Oct. 9.
- Mertens, C. P. (See Sullivan, William J., assignor.)
- Mertens, Max, Neviges, Germany. Carriage-release mechanism for wire looms. 1,658,091; Feb. 7.
- Mertes, Albert V., Cincinnati, Ohio. Violin-string tensioner. 1,657,890; Jan. 31.
- Mertes, August, Lakewood, Ohio. Tuft-deflecting device for brush machines. 1,661,438; Mar. 6.
- Mertes, August, Lakewood, Ohio. Device for drilling brush backs longitudinally. 1,661,700; Mar. 6.
- Mertes, Peter, Jr., St. Paul, Minn. Attachment for radio receiving sets. 1,672,686; June 5.
- Merton, Percy, Park Ridge, N. J. Article of headwear. 1,681,006; Aug. 14.
- Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Boiler. 1,683,836; Sept. 11.
- Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Boiler. 1,683,837; Sept. 11.
- Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Boiler. 1,687,172; Oct. 9.
- Mertzanoff, André M., assignor to American Radiator Company, New York, N. Y. Automatic draft regulator for boilers. 1,695,240; Dec. 11.
- Merwin, John C., assignor to Chain Belt Company, Milwaukee, Wis. Sprocket chain. 1,694,275; Dec. 4.
- Merz, Albert R. (See Turley, T. B., Ross, and Merz.)
- Merz, Karl E., Oakland, Calif. Permanent-wave heater. 1,683,088; Sept. 4.
- Merz & McLeilan, Engineers. (See Weeks, Edmund G., assignor.)
- Merzinger, Eduard, Dresden, Germany. Press-button fastener. 1,661,616; Mar. 6.
- Merzolan, Edward L., Porterville, Calif. Dispenser. 1,695,599; Dec. 18.
- Merzon, Jacob, New York, N. Y. Talking-motion-picture apparatus. 1,675,122; June 26.
- Mescher, Henry J., Dayton, Ohio. Radiator cap. 1,677,594; July 17.
- Mesirrow, Benjamin S., et al. (See Catterlin, F. J., and Spencer, assignors.)
- Messman, George L., Weltevreden, Java, Dutch East Indies. Stretcher, sleeping or sick frame. 1,661,139; Feb. 28.
- Mesplé, John L., San Francisco, Calif. Four-wheel-brake equalizer. 1,668,121; May 1.
- Mesple, John L., San Francisco, Calif. Brake equalizer. 1,678,155; July 24.
- Messear Engineering Corporation. (See Messer, Peter J., assignor.)
- Messenger, Anna Z. (See Messenger, Robert W., assignor.)
- Messenger Publishing Company. (See Burdett, Le Roy, assignor.)
- Messenger, Robert W., assignor to A. Z. Messenger, Pocomoke City, Md. Cutting can ends. 1,656,794; Jan. 17.
- Messer, Edward, Pittsburgh, Pa. Marking confectionery. 1,664,826; Apr. 3.
- Messer, Edward, Cincinnati, Ohio. Display and dispensing container. 1,680,335; Aug. 14.
- Messer, George H., Newark, N. J. Oil-supply-controlling apparatus for liquid-fuel burners. 1,677,978; July 24.
- Messer, Harry F. (See Knisley, H. M., Creswell, and Messer.)
- Messer, Peter J., Olean, N. Y., assignor to Messer Engineering Corporation. Automatic gear-shifting mechanism. 1,668,215; May 1.
- Messer, Vladimir V., Douglaston, N. Y., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-trimming machine. 1,658,852; Feb. 14.
- Messer, Vladimir V., Douglaston, N. Y., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-testing machine. 1,669,622; May 15.
- Messer, Vladimir V., Douglaston, N. Y., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Slug-cutting machine for plastic material. 1,669,623; May 15.
- Messervy, Harold A., Toronto, Ontario, Canada. Controlled liquid dispenser. 1,656,334; Jan. 17.
- Messimer, Ward N., Jersey Shore, Pa. Journal-length gauge. 1,694,333; Dec. 4.
- Messinger, Benjamin and M., Brooklyn, N. Y. Display device. 1,656,527; Jan. 17.
- Messinger, Lester H. (See Hammond, G. L., Messinger, and Nicholas.)
- Messinger, Morris. (See Messinger, Benjamin and M.)
- Messinger, William, Philadelphia, Pa. Hydraulic punch. 1,675,869; July 3.
- Messler, Eugene L., Pittsburgh, Pa. Hot top for ingot molds. 1,668,567; May 8.
- Messler, Madge. (See Messler, Matie C., assignor.)

- Messler, Matie C., assignor to M. Messler, Providence, R. I. Arch-supporting device for boots and shoes. 1,694,353; Dec. 4.
- Messler, Raymond E., and F. A. Ivory, Seattle, Wash. Interior tank-car cleaner. 1,686,335; Oct. 2.
- Messmer, Charles A., jr., St. Louis, Mo. Die. 1,661,807; Mar. 6.
- Messmer, Charles A., jr., St. Louis, Mo. Die. 1,661,808; Mar. 6.
- Messmer, Charles A., jr., St. Louis, Mo. Die. 1,670,898; May 22.
- Messmer, Charles A., jr., St. Louis, Mo. Die. 1,696,442; Dec. 25.
- Messmore, Stephen A. D., Ashville, Ohio. Bundling device. 1,670,202; May 15.
- Messrs. Bird and Son Limited. (See Cowan, Clarence P., assignor.)
- Mesta Machine Company. (See Iversen, Lorenz, assignor.)
- Meston, Aleck W. (See Meston, Charles R. and A. W.)
- Meston, Archibald F., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Reclaiming used lubricating and insulating oils. 1,661,731; Mar. 6.
- Meston, Charles R. and A. W., Yonkers, assignors to The Stacold Corporation, New York, N. Y. Pump. 1,673,259; June 12.
- Meston, Charles R. and A. W., Yonkers, assignors to The Stacold Corporation, New York, N. Y. Pump. 1,673,260; June 12.
- Meston, Charles R. and A. W., Yonkers, assignors to The Stacold Corporation, New York, N. Y. Pump. 1,673,261; June 12.
- Meston, Charles R. and A. W., Yonkers, assignors to The Stacold Corporation, New York, N. Y. Pump. 1,673,262; June 12.
- Metal Artcraft Fixture Co. (See Sobl, Frank, assignor.)
- Metalcraft Corporation. (See Conway, Robert E., assignor.)
- Metal Edge Filter Corporation. (See Herbert, F. D., Kraemer, and Garabrant, assignors.)
- Metallbank und Metallurgische Gesellschaft Aktiengesellschaft. (See Hubmann, Otto, assignor.)
- Metallisator Berlin A. G. (See Bourges, Carl, assignor.)
- Metallisator Berlin Aktien-Gesellschaft. (See Hopfelt, Robert, assignor.)
- Metallogen Gesellschaft mit beschränkter Haftung. (See Meurer, Nicolaus, assignor.)
- Metalwerk Max Brose & Co. (See Kruschitzki, Johann, assignor.)
- Metal Office Furniture Co. (See Wege, Peter M., assignor.)
- Metal Package Corporation of New York. (See Marcell, Carroll K., assignor.)
- Metal Products and Engineering Corporation. (See Schmitt, George F., assignor.)
- Metal Research Corporation. (See Parsons, Charles E., assignor.)
- Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
- Metal Specialties Manufacturing Company. (See Hermann, Wolfgang, assignor.)
- Metal Stampings Corporation. (See Mason, Frank C., assignor.)
- Metal Textile Corporation. (See Kingman, Russell B., assignor.)
- Metal & Thermit Corporation. (See Deppeler, John H., assignor.)
- Metal & Thermit Corporation. (See Dickson, Donald C., assignor.)
- Metal Ware Corporation. (See Koenig, Joseph, assignor.)
- Metals Disintegrating Company. (See Hall, Everett J., assignor.)
- Metals Production Company of North America Incorporated. (See Moulden, J. C., and Taplin, assignors.)
- Metcalf, Allan E., et al. (See Rhoads, Samuel E., assignor.)
- Metcalf, Alpha H., assignor to Marathon Company, Attleboro, Mass. Cigar lighter. 1,657,435; Jan. 24.
- Metcalf, George W., et al. (See Rhoads, Samuel E., assignor.)
- Metcalf, Herbert E., San Leandro, assignor to The Magnavox Co., San Francisco, Calif. Vacuum tube. 1,655,619; Jan. 10.
- Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Vacuum tube and constructing the same. 1,657,636; Jan. 31.
- Metcalf, Herbert E., San Leandro, Calif., assignor to The Magnavox Company. Filament support for vacuum tubes. 1,657,637; Jan. 31.
- Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, San Francisco, Calif. Vibration dampener for vacuum tubes. 1,695,600; Dec. 18.
- Metcalf, Herbert E., San Leandro, and V. F. Greaves, Oakland, assignors to The Magnavox Company, San Francisco, Calif. Vacuum tube. 1,657,221; Jan. 24.
- Metcalf, Howard H., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Wrapping machine. 1,674,408; June 19.
- Metcalf, Howard H., assignor to Battle Creek Bread Wrapping Machine Co., Battle Creek, Mich. Wrapping machine. 1,677,924; July 24.
- Metcalf, James H., Los Angeles, Calif. Gasoline dispensing tank. Des. 75,636; June 26.
- Metcalf, Leroy R. (See Urke, J. H., and Metcalf.)
- Metcalf, James C. (See Metcalf, Richard D. and J. C.)
- Metcalf, Richard D. and J. C., Romley, England. Exhaust-steam injector. 1,674,443; June 19.
- Metcalf, Robert F., Brooklyn, assignor to Socony Burner Corporation, New York, N. Y. Method of and apparatus for control of liquid-fuel burners. 1,688,126; Oct. 16.
- Metcalf, Virgil E. (See Spencer, G. L., and Metcalf.)
- Meteor Electric Corporation. (See Alpaugh, Clifford J., assignor.)
- Meters, Limited. (See Jolly, Richard W., assignor.)
- Methfessel, Carl Sulzbach-on-the-Murr, Germany. Wax-melting apparatus. 1,684,710; Sept. 18.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Torpedo tube combined with members for starting and setting the torpedo contained therein. 1,658,064; Jan. 31.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Piece of ordnance more particularly adapted for firing against aircraft. 1,658,005; Jan. 31.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Apparatus for the control of firing against aerial targets. 1,668,862; May 8.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Piece of ordnance more particularly adapted for firing against aircraft. 1,672,949; June 12.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Automatic gun. 1,674,370; June 19.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Setting device for time fuses. 1,680,902; Aug. 14.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Apparatus for controlling the positioning of devices from a distance. 1,684,042; Sept. 11.
- Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Internal-combustion engine. 1,688,550; Oct. 23.
- Methudy, Carl E., St. Louis, Mo., assignor to Methudy Enamel Range Co., East St. Louis, Ill. Gas range. Des. 76,318; Sept. 11.
- Methudy, Carl E., assignor, by mesne assignments, to A. D. Goldman; St. Louis, Mo. Ignition device for gas burners. 1,675,859; July 3.
- Methudy, Carl E., assignor, by mesne assignments, to A. D. Goldman, St. Louis, Mo. Automatic igniter for gas stoves and the like. 1,675,899; July 3.
- Methudy, Carl E., assignor, by mesne assignments, to A. D. Goldman, St. Louis, Mo. Oven lighter for gas stoves. 1,675,900; July 3.
- Methudy Enamel Range Co. (See Methudy, Carl E., assignor.)
- Methudy, Eugene R., assignor to A. D. Goldman, St. Louis, Mo. Gas range. Des. 76,317; Sept. 11.
- Met-L-Wood Corporation. (See Levine, Joseph, assignor.)
- Metrewitz, Charles, Chicago, Ill. Wringer. 1,660,082; Feb. 21.
- Metrewitz, Charles, Chicago, Ill. Washing machine. 1,688,732; Oct. 23.
- Metrewitz, Charles, Chicago, Ill. Drain board for wringers. 1,688,733; Oct. 23.
- Metropolitan-Columbia Mfg. Co. Inc. (See Knieriem, John, assignor.)
- Metropolitan-Columbia Mfg. Co. Inc. (See Villaret, Gustave E., assignor.)
- Metropolitan Electric Manufacturing Company. (See Newton, William J., assignor.)
- Metropolitan Lamp Co. (See Zweig, Joseph, assignor.)
- Metropolitan Lamp Co. Inc. (See Zweig, Joseph, assignor.)
- Metropolitan-Vickers Electrical Company. (See Brown, Walter J., assignor.)
- Metropolitan-Vickers Electrical Company Limited. (See Robinson, Ernest Y., assignor.)
- Metropolitan-Vickers Electrical Company Limited. (See Robinson, E. Y., and Brown, assignors.)
- Metten, John F., Philadelphia, Pa. Ship-propulsion system. 1,671,480; May 29.
- Mettler, Anton, Reichenburg, Switzerland. Device for singeing threads. 1,665,970; Apr. 10.
- Mettler, Arthur L., San Pedro, assignor of one-half to H. E. McCarthy, Long Beach, Calif. Signaling device. 1,693,309; Nov. 27.
- Mettler, Carl, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Diphenylmethane azo dyestuffs and making same. 1,689,739; Oct. 30.
- Mettler, Carl, assignor to the firm J. R. Geigy A. G., Basel, Switzerland. Ditolylmethane azo-dyestuffs and making same. 1,689,740; Oct. 30.
- Mettler, Josef, assignor to the firm Landis & Gyr Ltd., Zug, Switzerland. Prepayment meter for gas, water, electricity, or similar supply. 1,670,592; May 22.
- Mettler, Lee B., Los Angeles, Calif. Radiator overflow. 1,667,128; Apr. 24.
- Mettler, William E. (See Ziganek, F., and Mettler.)
- Metz, H. A., Laboratories, Inc. (See Dubin, Harry E., assignor.)
- Metzech, Herman, and F. C. Werner, Chicago, Ill. Solar heater. 1,658,455; Feb. 7.
- Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor regulator and unloader. 1,663,530; Mar. 20.
- Metzgar, Herbert H., Los Angeles, Calif. Cushion stool. Des. 75,979; Aug. 7.

- Metzger, Floyd J., New York, N. Y., and G. C. Bauer, Los Angeles, Calif., assignors to California Cyanide Company, Incorporated, New York, N. Y. Method of and apparatus for fumigating. 1,675,123; June 26.
- Metzger, Maurice, Montreal, Quebec, Canada. Photographic printing machine. 1,687,379; Oct. 9.
- Metzger, Richard, Heidelberg, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing preparation for cellulose esters. 1,666,715; Apr. 17.
- Metzger, Richard. (See Holzach, K., and Metzger.)
- Metzger, William J. (See Bazeley, A. J., and Metzger.)
- Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
- Metzner, Albert W., assignor to J. Q. Sherman, Dayton, Ohio. Manifolding machine. 1,664,568; Apr. 3.
- Metzroth, William, Syracuse, N. Y. Controlling means for starters for internal-combustion engines. 1,664,522; Apr. 3.
- Meuer, George J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. 1,666,338; Apr. 17.
- Meuer, George J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. 1,685,500; Sept. 25.
- Meuer, George J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. 1,689,926; Oct. 30.
- Meunier, Charles A., assignor to Cam Manufacturing Company, Inc., Great Neck, N. Y. End cap for eaves troughs. Des. 74,234; Jan. 10.
- Meunier, Julien, Troarn, Calvados, France. Tractor-operated stump-uprooting device. 1,676,040; July 3.
- Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Electrical tool. 1,673,012; June 12.
- Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Portable tool. 1,679,776; Aug. 7.
- Meurer, Nicolaus, Berlin-Tempelhof, assignor to Metallgesellschaft mit beschränkter Haftung, Berlin-Neukölln, Germany. Treating the internal and external surfaces of elongated bodies. 1,687,102; Oct. 9.
- Meurer, Nikolaus, Berlin-Neu-Tempelhof, assignor to Metallgesellschaft mit beschränkter Haftung, Berlin-Neukölln, Germany. Impregnating metal layers. 1,688,127; Oct. 16.
- Meuser, Ludwig. (See Adams, H. S., and Meuser.)
- Meutsch, Charles C., Buffalo, N. Y. Mattress and cushion. 1,682,394; Aug. 28.
- Meutman, William R., Cincinnati, Ohio. Self-closing receptacle. 1,691,160; Nov. 13.
- Mewborne, Robert G., Clarkesville, Tenn. Cleansing nicotine vapors. 1,684,740; Sept. 18.
- Mexco Limited. (See Scott, Alexander C., assignor.)
- Mexican-American Hat Company. (See Holmes, Glenn E., assignor.)
- Mey, Karl. (See Müller, Carl and E., assignors.)
- Meyer, Adolph, Woodhaven, assignor to Fred'k Elfein & Sons, Incorporated, Brooklyn, N. Y. Container. 1,658,931; Feb. 14.
- Meyer, Adolph, assignor of one-third to H. A. Elfein and one-third to F. C. Elfein, Woodhaven, N. Y. Lifting and carrying device. 1,689,044; Oct. 23.
- Meyer, Adolf, Kussnacht, near Zurich, and K. Frey, Ennetbaden, assignors to A. G. Brown, Boveri & Cie., Baden, Switzerland. Steam-turbine construction. 1,687,103; Oct. 9.
- Meyer, Adolph V., Pasadena, Calif. Insect trap. 1,672,576; June 5.
- Meyer, Albert, Chicago, Ill. Baseball game. 1,684,189; Sept. 11.
- Meyer, Albert P., assignor to Allen S. Davison Company, Pittsburgh, Pa. Apparatus for lining open-hearth furnaces. 1,655,558; Jan. 10.
- Meyer, Albert W., New York, N. Y. Coffee-making apparatus. 1,687,345; Oct. 9.
- Meyer, Anne W., administratrix. (See Meyer, William C.)
- Meyer, Arthur, and W. Kretschmar, New York, N. Y.; said Kretschmar assignor to said Meyer. Necktie holder. 1,664,892; Apr. 3.
- Meyer, Arthur S. (See Murfey, G. A., and Meyer.)
- Meyer, Carl, Zurich, Switzerland. Cord guide for rolling toys running on cords. 1,681,674; Aug. 21.
- Meyer, Charles A. (See De Pue, James C., assignor.)
- Meyer, Charles L., assignor to Concrete Engineering Company, Omaha, Nebr. Shore-brace clip. 1,694,887; Dec. 11.
- Meyer, Charles W., near Jonesboro, Tex. Binder reel. 1,673,052; June 12.
- Meyer, Christian, New York, N. Y. Swimming device. 1,682,753; Nov. 20.
- Meyer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Universal loop-regulating mechanism for full-fashioned-knitting machines. 1,694,888; Dec. 11.
- Meyer, Edward B., Newburgh, N. Y. Snowplow. 1,686,243; Oct. 2.
- Meyer, Edwin C. (See Brisse, F. D., Blumenauer, and Meyer.)
- Meyer, Emanuel P., J. Ter Meulen, and O. Gerhardt, New York, N. Y. Door. 1,654,892; Jan. 3.
- Meyer, Ernest G. E., London, England. Fuel for use in internal-combustion engines and for other purposes. 1,671,158; May 29.
- Meyer, Frank H. (See Klaus, F. R., and Meyer.)
- Meyer, Franz, assignor to the firm Carl Zeiss, Jena, Germany. Holder for arc-lamp carbons. 1,696,777; Dec. 25.
- Meyer, Fred H., Oakland, assignor to Non-Pressure Glazing Company, San Francisco, Calif. Corner cap for sash structures. 1,667,043; Apr. 24.
- Meyer, Friedrich W., Wismar, Germany. Purifying sugar solutions. 1,678,571; July 24.
- Meyer, Friedrich W., Schenectady, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Method of and apparatus for producing modified currents, etc. 1,669,527; May 15.
- Meyer-Gaus, Karl, Barmen, Germany, assignor to the firm: American Bemberg Corporation, New York, N. Y. Machine for spinning and winding filaments. 1,682,763; Sept. 4.
- Meyer-Gaus, Karl, Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Yarn reel, more particularly for the winding of freshly-spun artificial silk. 1,692,415; Nov. 20.
- Meyer, George W. (See Hill, B. J., and Meyer.)
- Meyer, Gottfried, Zurich, Switzerland, assignor to M. McGillicuddy, Minneapolis, Minn. Trolley for electric driving cars. 1,654,661; Jan. 3.
- Meyer, Gustav, et al. (See Boyd, John R., assignor.)
- Meyer, Gustav A., deceased, Seward, Nebr.; W. Wullenwaber, administrator, assignor to L. M. Meyer Self-cleaning comb. 1,670,161; May 15.
- Meyer, Gustave E., New Meadows, Idaho. Hanger for leaf turners. 1,660,717; Feb. 28.
- Meyer, Gustave E., New Meadows, Idaho. Leaf turner. 1,684,043; Sept. 11.
- Meyer, Henry C. A., assignor to The Bartlett Hayward Company, Baltimore, Md. Motor-control mechanism. 1,690,646; Nov. 6.
- Meyer-Jagenberg, Günther, Dusseldorf, Germany. Paper-roll-wrapping machine. 1,663,554; Mar. 27.
- Meyer, John B., assignor to The Adams Company, Dubuque, Iowa. Bottom board for foundry flasks. 1,658,456; Feb. 7.
- Meyer, John F. (See Fleischer, Charles, assignor.)
- Meyer, Kurt H. and H. Schütte, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Tanning hides. 1,678,998; July 31.
- Meyer, Lena M. (See Meyer, Gustav A., assignor.)
- Meyer, Ludwig, Paris, France. Extensible device with power indicator for physical culture. 1,680,901; Aug. 14.
- Meyer, Nathan S., New York, N. Y. Package. 1,691,781; Nov. 13.
- Meyer, Otto, San Antonio, Tex. Washing machine. 1,663,463; Mar. 20.
- Meyer, Percy B., London, England. Rail anchor or anti-creep device for railway rails. 1,666,716; Apr. 17.
- Meyer, Peter, Newark, N. J. Machine for drilling, tapping, and the like. 1,696,550; Dec. 25.
- Meyer, Ralph J., Denver, Colo., assignor to National Brake Company. Friction drum for autos. 1,658,410; Feb. 7.
- Meyer, Raymond B., and L. C. Young, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Signal-transmission system. 1,663,717; Mar. 27.
- Meyer, Robert, Gelsenkirchen, Germany. Rotary engine. 1,664,987; Apr. 3.
- Meyer, Ulfilas, Berlin-Lichterfelde, Germany. Conductor loaded with wound-on conductors. 1,674,912; June 26.
- Meyer, Walter. (See Rebstock, J. H., and Meyer.)
- Meyer, William, Chicago, Ill. Hair drier. 1,659,730; Feb. 21.
- Meyer, William, Chicago, Ill. Facial treatment method and means. 1,660,041; Feb. 21.
- Meyer, William, Chicago, Ill. Holder for manicure preparations and the like. 1,663,021; Mar. 20.
- Meyer, William, Chicago, Ill. Holder for manicure preparations and the like. 1,665,788; Apr. 10.
- Meyer, William, Chicago, Ill. Hair drier. 1,669,569; May 15.
- Meyer, William, Chicago, Ill. Electric-current system. 1,679,487; Aug. 7.
- Meyer, William, Chicago, Ill. Hair drier. 1,686,024; Oct. 2.
- Meyer, William, Gladbrook, Iowa. Ventilated building block. 1,680,626; Aug. 14.
- Meyer, William C., deceased; A. W. Meyer, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-fitting machine. 1,658,347; Feb. 7.
- Meyer, William C., deceased; A. W. Meyer, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-fitting machine. 1,668,081; May 1.
- Meyer, William C., deceased; A. W. Meyer, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Resurfacing machine. 1,685,784; Oct. 2.
- Meyercord, George R., Chicago, Ill., assignor to The Vitrolite Company. Compound slab and wall constructed therefrom. 1,659,326; Feb. 14.
- Meyercord, George R., Chicago, Ill., assignor to Haskellite Manufacturing Corporation. Joint filler in angle of plymetl wall. 1,671,084; May 22.
- Meyercord, George R., Chicago, Ill., and C. B. Norris, Grand Rapids, Mich., assignors to Haskellite Manufacturing Corporation. Collapsible shipping container for parcel-post packages. 1,658,387; Feb. 7.
- Meyerhofer, Albert F. (See Buchner, Max, assignor.)
- Meyerhuber, William. (See Jandus, H. S., and Meyerhuber.)

- Meyering, Bernard, Rochester, N. Y. Joint. 1,604,893; Apr. 3.
- Meyers, Clem B. (See Smith, R. H., and Meyers.)
- Meyers, Emil, et al. (See Miller, Hugo, assignor.)
- Meyers, Frank C., and H. S. Oberndorfer, Cincinnati, Ohio. Advertising device. 1,686,390; Oct. 2.
- Meyers, Frederick B., and H. W. Darney, assignors of one-half to R. Bragonier, Baltimore, Md. Eraser cleaner. 1,667,431; Apr. 24.
- Meyers, George A. (See Taber, David R., assignor.)
- Meyers, George F., New York, N. Y. Gauge for sheet-cutting machines. 1,657,222; Jan. 24.
- Meyers, George W., Rahway, N. J. Fuel economizer. 1,695,695; Dec. 18.
- Meyers, George W., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Safety mechanism for street-car and door operation. 1,691,729; Nov. 13.
- Meyers, Herbert H. (See MacDowell, C. H., and Meyers.)
- Meyers, John F., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Alarm circuit. 1,682,049; Aug. 28.
- Meyers, Norman G., assignor to The B. V. D. Company, Inc., New York, N. Y. Device for computing underwear sizes. 1,681,740; Aug. 21.
- Meyers, Raymond L., Miami, Fla. Stormproof awning. 1,677,646; July 17.
- Meyers, Roy J., and F. G. Hiebert, Los Angeles, Calif. Compressor. 1,654,893; Jan. 3.
- Meyers, Roy L., Janesville, Wis. Heating drum. 1,689,838; Oct. 30.
- Meyers, Samuel A., San Francisco, Calif., assignor to Paramount Electric Mfg. Co. Snap switch. 1,664,380; Mar. 27.
- Meyers, Sidney E., Buffalo, N. Y., assignor to Melco Engineering Corporation. Oil burner. 1,688,395; Oct. 23.
- Meyers, Sidney E., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Plug valve. 1,686,336; Oct. 2.
- Meyers, Wallace E., New York, N. Y. Glove. 1,687,380; Oct. 9.
- Meyerson, Max, New York, N. Y. Temporary binder. 1,690,871; Nov. 6.
- Meylach, Louis. (See Page, L. M., and Meylach.)
- Meylach, Louis, Brooklyn, N. Y. Edge-slitting machine. 1,669,481; May 15.
- Meynardie, Pierre J. de S. A., Paris, France. Apparatus for concentrating aqueous liquids. 1,661,489; Mar. 6.
- Meynieu, Jean G., Bordeaux, France. Construction of refrigerator chambers. 1,678,742; July 31.
- Meyrowitz, E. B., Inc. (See Cook, William N., assignor.)
- Meysenburg, Wilhelm, New York, N. Y. Braking device and method of causing braking effect. 1,679,367; Aug. 7.
- Mezger, Charles A. (See Lasker, W. W., and Mezger.)
- Mezger, Charles A. (See Weiland, A., Russell, and Mezger.)
- Mezger, Robert, Stuttgart, Germany. Producing stable emulsions. 1,665,105; Apr. 3.
- Micali, John, Lawrence, Mass. Shank-forming tool. 1,665,172; Apr. 3.
- Micali, John, Lawrence, Mass. Handle-securing means for shank-forming tools. 1,685,643; Sept. 25.
- Michael, Alfred. (See Schriever, L., and Michael.)
- Michael, Clement W., Racine, Wis., assignor, by mesne assignments, to J. I. Case Plow Works, Inc. Lister. 1,674,019; June 19.
- Michael, George and H., Benton Harbor, Mich. Smoke consumer. 1,679,909; Aug. 7.
- Michael, Hurshell. (See Michael, George and H.)
- Michael, J., & Co. (See Ullmann, F., and Trewendt, assignors.)
- Michael, Leonard, Brooklyn, assignor to American Can Company, New York, N. Y. Dredge-top spice can. 1,658,348; Feb. 7.
- Michaelis, Frederick H., Kansas City, Mo. Wall construction for bathrooms. 1,696,443; Dec. 25.
- Michaelis, Joseph W., Toledo, Ohio. Brush-making machine. 1,690,420; Nov. 6.
- Michaelis, Theodore R., Marinette, Wis. Garden tool. 1,661,954; Mar. 6.
- Michaels, Fred D. (See Stone G. B., and Michaels.)
- Michaelson, Nelson A., Uniontown, Pa. Feed-wire support. 1,661,902; Mar. 6.
- Michailovsky, Benjamin, New York, N. Y. Key holder. 1,669,945; May 15.
- Michalek, Stanley. (See Przybylko, G., and Michalek.)
- Michalka, Frank A. (See Michalka, Joseph, F. A. and R. A.)
- Michalka, Joseph, F. A., M., and R. A., Cameron, Tex. Stalk cutter. 1,676,105; July 3.
- Michalka, Joseph, Jr., F. A., and R. A., Cameron, Tex. Stalk cutter. 1,676,106; July 3.
- Michalka, Ralph A. (See Michalka, Joseph, F. A., and R. A.)
- Michalski, Julius L., Milwaukee, Wis. Illuminated barber pole. 1,688,017; Oct. 16.
- Michaud, Arthur J., Montreal, Quebec, Canada. Wheel jack. 1,659,888; Feb. 21.
- Michaud, Arthur J., Montreal, Quebec, Canada. Tire and rim. 1,685,552; Sept. 25.
- Michaud, Joseph O., Fort Kent, Me. Transmission. 1,673,523; June 12.
- Michel, Clarence A., assignor to The Guide Motor Lamp Mfg. Company, Cleveland, Ohio. Automobile headlight. 1,655,620; Jan. 10.
- Michel, Clarence A., assignor to The Guide Motor Lamp Mfg. Company, Cleveland, Ohio. Automobile headlight. 1,655,914; Jan. 10.
- Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile headlight. 1,691,662; Nov. 13.
- Michel, Gilbert, Bagneux, assignor to H. O. Berg, Paris, France. Sand mold for casting magnesium and making same. 1,685,553; Sept. 25.
- Michel-Levy, Jean M., Paris, France. Couch bed. 1,657,223; Jan. 24.
- Michel, Richard, Uerdingen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Condensation product from olefines and hydrocarbons of the naphthalene series and making the same. 1,667,214; Apr. 24.
- Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Flap for tires. 1,658,646; Feb. 7.
- Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Pneumatic-pressure gauge. 1,666,787; Apr. 17.
- Michelin, André J., Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Rim for pneumatic tires. 1,693,909; Dec. 4.
- Michelin et Cie. (See Michelin, André J., assignor.)
- Michelin, Marcel M., Staten Island, assignor to Pinaud Incorporated, New York, N. Y. Jar or similar container. Des. 74,184; Jan. 3.
- Michell, Anthony G. M. (See Seng, M., and Michell.)
- Michell, Anthony G. M., assignor to Crankless Engines Limited, Melbourne, Victoria, Australia. Swash plate or slant-type reciproco-rotary mechanism. 1,666,539; Apr. 17.
- Michell, Anthony G. M., assignor to Crankless Engines Limited, Melbourne, Victoria, Australia. Air-cooling means for internal-combustion engines. 1,670,666; May 22.
- Michell, Anthony G. M., Melbourne, Victoria, assignor to Crankless Engines Limited, Melbourne, Victoria, Australia. Mechanism for the interconversion of reciprocating and rotary motion. 1,682,924; Sept. 4.
- Michell-Crankless Engines Corporation. (See Seng, M., and Michell, assignors.)
- Michigan Sugar Company. (See Lindfors, Karl R., assignor.)
- Michigan Valve & Foundry Company. (See Holder, Charles, assignor.)
- Michigan Wire Goods Company. (See Smith, Benjamin H., assignor.)
- Michl, Robert, Kosice, Czechoslovakia. Synchronous motor specially for driving clocks. 1,665,890; Apr. 10.
- Michl, Robert, Kosice, Czechoslovakia. Device for the synchronization of alternating-current machines. 1,667,794; May 1.
- Michler, Robert W., Perris, Calif. Thickness gauge. 1,661,701; Mar. 6.
- Michnievitch, Stanislav, Los Angeles, Calif. Organ. 1,693,933; Dec. 4.
- Michock, Frank, Detroit, Mich. Handsaw. 1,671,201; May 29.
- Michod, Charles L., Chicago, Ill., assignor to The Studebaker Corporation, South Bend, Ind., and The Copony Auto Loading Company, Detroit, Mich. Method and apparatus for loading and supporting vehicle bodies in freight cars and the like. 1,661,439; Mar. 6.
- Michod, Charles L., Chicago, Ill., assignor to E. S. Evans & Co., Inc., Detroit, Mich. Vehicle stay block. 1,662,159; Mar. 13.
- Michotte, Felicien, Paris, France, assignor, by mesne assignments, to Ramie Corporation of America, Inc., New Orleans, La. Decorticating machine. 1,665,971; Apr. 10.
- Michulitz, Hermann, Berlin, Germany, assignor to General Electric Company. Safety device for electrical apparatus. 1,674,444; June 19.
- Mickaelson, Bernard L., assignor of one-half to J. J. Labey, Sioux City, Iowa. Latch for gas valves. 1,655,473; Jan. 10.
- Mickel, Clifford G., Berryton, Kans. Triangle. 1,677,396; July 17.
- Mickel, Georg, Lobau, Germany. Sparking plug. 1,675,764; July 3.
- Mickelson, Ole, Hoquiam, Wash. Choker hook. 1,690,745; Nov. 6.
- Mickle, Joseph K., Western Springs, Ill., assignor to The Union Switch & Signal Company, Swissvale, Pa. Motor-controlling apparatus. 1,666,748; Apr. 17.
- Micks, Henry S., Chicago, Ill. Circuit-controlling device. 1,664,697; Apr. 3.
- Micozzi, Ercole. (See Donagenma, G., Tolini, Valentini, and Micozzi.)
- Miero Machine Company. (See Baumberger, William J., assignor.)
- Miero Machine Company. (See Baumberger, W. J., and Yerck, assignors.)
- Miero Machine Company. (See Palmer, William C., assignor.)
- Miero Machine Company. (See Yerck, H. H., and Baumberger, assignors.)
- Midboe, Gabriel, Brooklyn, assignor to International Motor Company, New York, N. Y. Automatic brake-adjusting mechanism. 1,661,191; Mar. 6.
- Mid-Continent Equipment and Supply Company. (See Brown, H., and Uhl, assignors.)

- Middendorf, David L., assignor to The Federal Glass Company, Columbus, Ohio. Process and apparatus for producing crackled glassware. 1,675,951; July 3.
- Middendorf, David L., assignor to The Federal Glass Company, Columbus, Ohio. Process and apparatus for producing crackled glassware. 1,675,952; July 3.
- Middendorf, David L., assignor to The Federal Glass Company, Columbus, Ohio. Cracked ware and semifinished blank therefor. 1,679,437; Aug. 7.
- Middleditch, Lyman, New York, N. Y. Loose-leaf assembly. 1,669,528; May 15.
- Middleman, Emanuel L., assignor, by mesne assignments, of one-half to Rosenau Bros. Inc., and one-half to Einhorn Brothers, Philadelphia, Pa. Child's romper. 1,669,834; May 15.
- Middlemiss, George H., Birmingham, Ala. Switch-controlling device. 1,694,448; Dec. 11.
- Middleton, Charles O. (See Gary, Wright W., assignor.)
- Middleton, Donald R., Detroit, Mich. assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,665,466; Apr. 10.
- Middleton, Edmund B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acylating carbohydrates. 1,685,220; Sept. 25.
- Middleton, Ernest G., assignor of one-half to H. Boger, Pittsburgh, Pa. Recuperator. 1,673,122. June 12.
- Middleton, Orlando L., Clarksville, assignor of one-half to W. B. Middleton, Bowling Green, Mo. Aeroplane. 1,669,991; May 15.
- Middleton, Willard B. (See Middleton, Orlando L., assignor.)
- Middletown Silver Company, The. (See Cornell, Elwood N., assignor.)
- Middour, Kenneth F., Des Moines, Iowa. Ash pit and pan. 1,655,282; Jan. 3.
- Midgett, Penelton G., assignor of one-half to A. C. Scott, Dallas, Tex. Animal trap. 1,668,691; May 8.
- Midgley, Norman H., Newton Center, Mass. Process of and apparatus for preparing textile fiber for spinning. 1,689,269; Oct. 30.
- Midgley, Ronald W. (See Parsons, C. A., Rosen, Grey, and Midgley.)
- Midgley, Thomas, Jr., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor fuel. 1,662,323; Mar. 13.
- Midgley, Thomas, Jr., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Motor fuel. 1,668,022; May 1.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Building tire casings. 1,664,259; Mar. 27.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Mold-aligning means. 1,667,129; Apr. 24.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Mold-stripping apparatus. 1,671,304; May 29.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Method and apparatus for folding pressure bags. 1,671,305; May 29.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Flex-testing machine. 1,678,017; July 24.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Beveling and sealing clamp. 1,680,059; Aug. 7.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building apparatus. 1,680,162; Aug. 7.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making clincher tires. 1,687,301; Oct. 9.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making multiple-head tire casings. 1,687,302; Oct. 9.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Applying breaker strips in the manufacture of tire casings. 1,689,793; Oct. 30.
- Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Splice-holding device for tire expander. 1,694,227; Dec. 4.
- Midgley, William, Berkeley, Calif. Leveling square. 1,665,504; Apr. 10.
- Midland Chemical Laboratories, Inc. (See Bloodhart, John W., assignor.)
- Mid-States Gummed Paper Co. (See Mittendorf, Theodor H., assignor.)
- Midway Iron Works, Inc. (See Milz, Max J., assignor.)
- Midway Railway Equipment Co. (See Wright, William, assignor.)
- Mid-West Box Company. (See Gallistel, Clarence P., assignor.)
- Mid-West Box Company. (See Heinrichs, Berg, assignor.)
- Mid-West Box Company. (See Maston, Edward E., assignor.)
- Mid-West Manufacturing Company. (See Benedict, George W., assignor.)
- Mid-West Metal Products Company. (See Smith, E. F., and Wilson, assignors.)
- Midwest Metallurgical Corporation. (See Cape, Arthur T., assignor.)
- Midwest Piping & Supply Company. (See Fantz, Fred C., assignor.)
- Midwest Refining Company, The. (See Sinclair, Ewart G., assignor.)
- Midwest Steel and Supply Co. (See Cohn, Jacob, assignor.)
- Mieg, Walter, Vohwinkel, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Anthraquinone vat dyestuff. 1,690,236; Nov. 6.
- Mieg, Walter, Vohwinkel, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Anthraquinone vat dyestuff. 1,690,306; Nov. 6.
- Mieg, Walter, Vohwinkel, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Anthraquinone vat dyestuff. 1,690,307; Nov. 6.
- Mieg, Walter, and A. Job, Elberfeld, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Vat dyestuffs from dianthraquinonylamine-phenanthrenequinone. 1,684,827; Sept. 11.
- Mieg, Walter, and A. Job, Elberfeld, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Mono-amino-dipthaloyl acridones and preparing the same. 1,696,499; Dec. 25.
- Miehle, Arthur J., Chicago, Ill. Pipe wrench. 1,696,722; Dec. 25.
- Miehle Printing Press & Manufacturing Company, The. (See Blaine, Joseph R., assignor.)
- Miehle Printing Press & Manufacturing Company. (See Jacobson, Arthur G., assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Rich, F. E., and Burdick, assignors.)
- Miehle Printing Press & Manufacturing Company. (See Zimlewicz, Anthony, assignor.)
- Miehke, Carl, Hartford, Wis. Automatic damper. 1,663,718; Mar. 27.
- Miele, James, assignor of one-fourth to M. Miele and one-fourth to T. Miele, Brooklyn, N. Y. Barrel-head-seating machine. 1,679,676; Aug. 7.
- Miele, Michael, et al. (See Miele, James, assignor.)
- Miele, Thomas, et al. (See Miele, James, assignor.)
- Mielenz, Otto W., Philadelphia, Pa. Basement door. 1,670,899; May 22.
- Mier, Millard M. (See Arrowood, Reuben H., assignor.)
- Mier, Walter L., Ottumwa, Iowa. Grain-door displacer. 1,668,281; May 1.
- Miers, Bert, Seward, Nebr. Dummy coursing rabbit. 1,659,117; Feb. 14.
- Miescher, Karl, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of quinoline carboxylic acids and making same. 1,688,469; Oct. 23.
- Miessner, William O., Milwaukee, Wis. Theme finder. 1,688,824; Oct. 23.
- Mietz, Herman F., Franklinville, N. J. Banjo. 1,686,416; Oct. 2.
- Mifsud, Jose L. (See Schauman, K. O., Yancey, and Mifsud.)
- Migliaccio, Arnold. (See Russo, Salvatore, assignor.)
- Miglin, Ben E., Archbald, Pa. Roaster. 1,666,394; Apr. 17.
- Miguet, Paul L. J., assignor to Societe Electrometallurgique de Montricher, St-Julien-de-Maurienne, France. Electric furnace. 1,655,324; Jan. 3.
- Miguet, Paul L. J., assignor to Societe Electrometallurgique de Montricher, St-Julien-de-Maurienne, France. Feeding apparatus for electric furnaces. 1,680,163; Aug. 7.
- Mihalik, Edward, Brookfield, Ill. Street crossing. 1,661,490; Mar. 6.
- Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Projection system for color motion pictures. 1,690,589; Nov. 6.
- Mihatsch, Rudolf, Berlin, Germany. Tube expander. 1,670,268; May 15.
- Mijares, Anilo, Yonkers, N. Y. Inlet mechanism for carburetors. 1,683,477; Sept. 4.
- Mijer, Pieter, assignor, by mesne assignments, to The Two-Tone Corporation, New York, N. Y. Dyeing. 1,683,687; Sept. 11.
- Mikas, Mike P. (See Steiner, J. C., and Mikas.)
- Mikesell, Herbert S. (See Teetor, H. C., and Mikesell.)
- Mikesh, Martin A. (See Blumberg, H., and Mikesh.)
- Mikesh, Martin A., Jersey City, N. J. Reverse brake. 1,691,907; Nov. 13.
- Miks, Pierre, Houston, Tex. Tool joint. 1,668,921; May 8.
- Mikulasek, John. (See Blanks, W. C., Snyder, and Mikulasek.)
- Milam, William A., Austin, Tex. Plate valve. 1,664,306; Mar. 27.
- Milan, Horace R., New York, N. Y. Cigar and cigarette lighter. 1,683,688; Sept. 11.
- Milano Furniture Company. (See Heyman, Joseph J., assignor.)
- Milano, John B., Torrington, Conn. Switch. 1,686,289; Oct. 2.
- Milberg, Abraham, Chicago, Ill. Vending machine. 1,683,563; Sept. 4.
- Milbourn, Frank W., assignor to The Coe Manufacturing Company, Painesville, Ohio. Motor-operated veneer lathe. 1,670,076; May 15.
- Milburn, James M., and G. G. Filson, Los Angeles, Calif. Floor-screen-support device. 1,664,370; Mar. 27.
- Milburn, Lessiter C., Cleveland, Ohio. Wing-leveling device. 1,669,380; May 8.
- Milder, William, assignor to Victor Valves, Inc., Omaha, Nebr. Dispensing valve. 1,689,686; Oct. 30.

- Mildon, Reginald B., Lansdowne, Pa., assignor to Riley Stoker Company. Underfeed furnace. 1,664,082; Mar. 27.
- Mildren, Lory J. (See Taylor, James S., assignor.)
- Mildren, Lory J. (See Worthington, James P., assignor.)
- Milecz, Rudolph, Hoboken, N. J., assignor to J. Gluck, New York, N. Y. Tool holder. 1,688,284; Oct. 16.
- Mileham, Helen W. D., et al., administrators. (See Alexanderson, Charles A.)
- Mileham, Helen W. D., et al., administrators. (See Alexanderson, Charles A., assignor.)
- Mileometer Company, The. (See Joseph, Arthur H., assignor.)
- Miles, Eugene P., Hobart, Okla. Heater. 1,681,995; Aug. 28.
- Miles, Frederick J., and D. C. Thompson, Newark, N. J., assignors, by mesne assignments, to E. Sullivan, New York, N. Y. Double-contact socket for electric lamps. 1,666,973; Apr. 24.
- Miles, Frederick J., and D. C. Thompson, Newark, N. J., assignors, by mesne assignments, to E. Sullivan, New York, N. Y. Socket for electric lamps. 1,666,974; Apr. 24.
- Miles, James C. (See Teare, Albert R., assignor.)
- Miles, James C., Cleveland, Ohio. Hot-air heating and ventilating apparatus. Re17,089; Sept. 25.
- Miles, John C., Bonners Ferry, Idaho. Bottle cap. 1,692,183; Nov. 20.
- Miles, Joseph W., London, England, assignor to International Time Recording Company of New York, Endicott, N. Y. In-and-out machine. 1,664,523; Apr. 3.
- Miles, Lester H., Los Angeles, Calif. Apparatus for elevating fluids. 1,663,311; Mar. 20.
- Miles, Lester H., Los Angeles, Calif. Apparatus for elevating oil and other fluids. 1,663,312; Mar. 20.
- Miles, Lester H., Los Angeles, Calif. Dirigible spotlight for vehicles. 1,680,903; Aug. 14.
- Miles, Thomas V., assignor of one-half to Newton Chambers & Company Limited, near Sheffield, England. Wall for building construction. 1,663,276; Mar. 20.
- Miles, William C., New York, N. Y. Transmission. 1,690,086; Oct. 80.
- Milestone, Walter E., Lakewood, Ohio. Cabinet for fluid-dispensing outfit. Des. 76,624; Oct. 16.
- Milewski, Joseph. (See Davis, R. H., Milewski, and Maloney.)
- Milewski, Marion, Lebanon, Pa. Game. 1,685,076; Sept. 18.
- Milk Novelty Company. (See Mills, Fred L., assignor.)
- Milk Oil Corporation, The. (See North, Charles E., assignor.)
- Milkes, Leah G., Chicago, Ill. Overshoe or similar article. Des. 75,928; July 31.
- Milks, Fred H., Schumacher, Ontario, Canada. Braking device for elevators. 1,670,779; May 22.
- Mill Devices Company. (See Byrd, Britton E., assignor.)
- Millar, George A., Ridgefield Park, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Glass-working machinery. 1,676,796; July 10.
- Millar, George A., Ridgefield Park, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Glass-working machine. 1,681,591; Aug. 21.
- Millar, John R., assignor to California Cotton Mills Co., Oakland, Calif. Padding for seat backs. 1,662,388; Mar. 13.
- Millar, John R., assignor to California Cotton Mills Co., Oakland, Calif. Padding for seat backs. 1,662,389; Mar. 13.
- Millar, William R., Palmerston, Ontario, Canada. Flash-light battery. 1,654,823; Jan. 3.
- Millard, Charles W., jr., Scarsdale, N. Y. Automatic automobile backside brake. 1,692,946; Nov. 27.
- Millard, F. C., Engineering Company. (See Clements, Thomas H., assignor.)
- Millard, Herbert J., assignor to Frank Schoble & Co., Philadelphia, Pa. Perspirationproof device for hats, caps, and the like. 1,664,307; Mar. 27.
- Millard, Herman H., Corry, Pa. Automatic reversing self-rocking cradle carriage. 1,662,754; Mar. 13.
- Millard, Joseph W., Martins Ferry, Ohio. Pickling apparatus. 1,656,528; Jan. 17.
- Millen, James R., Flint, Mich. Baby cart. 1,692,135; Nov. 20.
- Miller, A. N., Co. (See Miller, Adolph N., assignor.)
- Miller, Adolph N., assignor of one-fourth to H. Jung, one-fourth to W. Bessenbrugge, and one-fourth to C. Kunkel, Milwaukee, Wis. Woodworking machine. 1,670,731; May 22.
- Miller, Adolph N., assignor to A. N. Miller Co., Milwaukee, Wis. Assembling machine for shade-roller fittings. 1,673,363; June 12.
- Miller, Albert A. (See Paul, J., and Miller.)
- Miller, Albert H., assignor to R. Peters and K. L. Glaze, Pierce, Nebr. License-plate holder. 1,672,333; June 5.
- Miller, Albert W., Lima, Ohio. Device for dressing locomotive wheels. 1,668,512; May 1.
- Miller, Alfred, Buffalo, N. Y., assignor to Tower Manufacturing Co., Inc. Purifying para-nitraniline. 1,673,154; June 12.
- Miller, Alice J., Chicago, Ill. Bench standard. Des. 76,254; Sept. 4.
- Miller, Allen A., Chicago, Ill. Window ventilator. 1,690,830; Nov. 6.
- Miller, Allen O., Seattle, Wash. Dry kiln. 1,660,758; Feb. 28.
- Miller, Allen O., Seattle, Wash. Ventilator. 1,687,843; Oct. 16.
- Miller, Anton, et al. (See Miller, Peter, jr., assignor.)
- Miller, Arthur. (See Luckiesh, M., Doane, and Miller.)
- Miller, Arthur, Chicago, Ill. Poultry-coop unloader. 1,686,099; Oct. 2.
- Miller, Arthur P., and D. Siakel, Chicago, Ill. Dispensing device. 1,681,592; Aug. 21.
- Miller, Augustus, East Orange, N. J. Weather strip. 1,683,564; Sept. 4.
- Miller, Benjamin, Los Angeles, assignor of one-half to J. A. Culp, Van Nuys, Calif. Double-acting plunger pump. 1,691,489; Nov. 13.
- Miller, Benjamin F. (See Elston, Frederick R., assignor.)
- Miller, Boyd F., Patton, Calif. Dirigible spotlight. 1,687,173; Oct. 9.
- Miller, Calvin N., assignor to Glascock Brothers Mfg. Company, Muncie, Ind. Bottle refrigerators. 1,695,256; Dec. 11.
- Miller, Carl D., Pittsburgh, and F. P. Slocum, Homestead, Pa. Brace. 1,655,234; Jan. 3.
- Miller, Carl H., Cleveland, Ohio. Motor-driven lawn mower. 1,657,514; Jan. 31.
- Miller, Carl P., Flushing, N. Y. Tobacco pipe. 1,668,568; May 8.
- Miller, Charles. (See Toffelmier, L. J., and Miller.)
- Miller, Charles, Long Island City, N. Y. Shoe. Des. 75,276; May 22.
- Miller, Charles, Long Island City, N. Y. Shoe. 1,690,690; Nov. 6.
- Miller, Charles, Long Island City, N. Y. Pattern-displaying device. 1,690,691; Nov. 6.
- Miller, Charles, Long Island City, and M. Feinstein, Corona, N. Y., said Feinstein assignor to said Miller. Shoe last. 1,693,397; Nov. 27.
- Miller, Charles, Long Island City, and M. Feinstein, Corona, N. Y., said Feinstein assignor to said Miller. Therapeutic shoe. 1,693,398; Nov. 27.
- Miller, Charles F., Moore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Side ram motion for stokers. 1,657,224; Jan. 24.
- Miller, Charles H., Detroit, Mich. Button fastener. 1,693,310; Nov. 27.
- Miller, Charles H., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Heat deflector. 1,661,769; Mar. 6.
- Miller, Charles T., Sioux City, Iowa. Ventilator. 1,669,722; May 15.
- Miller, Charles Z., Fort Scott, Kans. Railway signal. 1,688,734; Oct. 23.
- Miller, Chester F., Galesburg, and E. A. Turner, assignors to McKnight & McKnight, Normal, Ill. Record portfolio. 1,656,217; Jan. 17.
- Miller, Clement G., Kansas City, Mo. Artificial teeth. 1,685,289; Sept. 25.
- Miller, Clifford L. (See Harper, Solomon, assignor.)
- Miller Company, The. (See Allworth, Arthur B., assignor.)
- Miller Company, The. (See Doane, Leroy C., assignor.)
- Miller Company, The. (See Luckiesh, M., Doane, and Miller, assignors.)
- Miller Company, The. (See Walter, Herman H., assignor.)
- Miller Company, The. (See Wolter, Herman H., assignor.)
- Miller, Constantine G., and C. F. Cleveland, Chicago, Ill., assignors to The Meaker Co. Pickling machine. 1,664,428; Apr. 3.
- Miller, Constantine G., and C. F. Cleveland, Chicago, Ill., assignors to The Meaker Company. Pickling machine. 1,687,844; Oct. 16.
- Miller, Craig, Huntington, W. Va. Window structure. 1,691,490; Nov. 13.
- Miller, Daniel D., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Magnetic shield. 1,689,358; Oct. 30.
- Miller, David B., Greenfield, Mass. Stamping device. 1,665,467; Apr. 10.
- Miller, Donald W., Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Control mechanism for car-heating systems. 1,656,949; Jan. 24.
- Miller, Edgar A., and C. A. James, Philadelphia, Pa. Signal device. 1,676,273; July 10.
- Miller, Edward G., Grand Rapids, Mich. Air feed for hot-air furnaces. 1,694,392; Dec. 11.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear-generating machine. 1,680,562; Aug. 14.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for inspecting involute curves. 1,680,563; Aug. 14.
- Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generating tooth forms. 1,681,994; Aug. 28.
- Miller, Edwin S., and F. A. Haist, Buffalo, N. Y., assignors to The Keystone Mfg. Co. Holder for socket-wrench sets. 1,671,159; May 29.
- Miller, Edwin S., and F. A. Haist, Buffalo, N. Y., assignors to The Keystone Mfg. Co. Holder for socket-wrench sets. 1,696,444; Dec. 25.
- Miller, Ernest B. (See Patrick, W. A., and Miller.)
- Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Drying hydrogels. 1,674,558; June 19.

- Miller, Ernest B., assignor to The Silica Gel Corporation, Baltimore, Md. Apparatus for treating liquids to remove or recover substances therefrom. 1,678,299; July 24.
- Miller, Ernest B., and G. C. Connolly, assignors to The Silica Gel Corporation, Baltimore, Md. Making gels. 1,672,768; June 5.
- Miller, Erwin H., Los Angeles, Calif. Calculator. 1,667,812; May 1.
- Miller, Esek C., Newark, N. J., assignor, by mesne assignments, to Racine Confectioners Machinery Company, Racine, Wis. Candy-making machine. 1,692,559; Nov. 20.
- Miller, Felix B., assignor to Fillkwik Company, Attleboro, Mass. Flask. 1,657,225; Jan. 24.
- Miller, Felix B., assignor to Fillkwik Company, Attleboro, Mass. Compact container. 1,689,359; Oct. 30.
- Miller, Frank, Claysburg, Pa. Brick machine. 1,693,179; Nov. 27.
- Miller, Frank, Los Angeles, Calif. Piston-ring mounting and removing tool. 1,691,161; Nov. 13.
- Miller, Frank E., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Discharge-door-operating mechanism. 1,673,755; June 12.
- Miller, Frank P., Meadville, Pa. Rotary cutter. 1,664,083; Mar. 27.
- Miller, Frank P., Meadville, Pa. Rotary cutter. 1,681,675; Aug. 21.
- Miller, Frank P., Meadville, Pa. Rotary cutter. 1,691,983; Nov. 20.
- Miller, Frank P., Chicago, Ill. Railway-crossing guard. 1,692,184; Nov. 20.
- Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 76,032; Aug. 14.
- Miller, Frederick B., Scottsdale, Pa. Apparatus for mining. Re17,109; Oct. 23.
- Miller, Frederick H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,669,529; May 15.
- Miller, Frederick H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,675,370; July 3.
- Miller, Frederick H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line device. 1,690,200; Nov. 6.
- Miller, Frederick L., assignor to The Studebaker Corporation, South Bend, Ind. Body hardware. 1,660,453; Feb. 28.
- Miller, Frederick W., Hockley Heath, England. Radiator-shutter control. 1,691,580; Nov. 13.
- Miller, George C., Brookline, Mass. Combined shipping and display box. 1,694,017; Dec. 4.
- Miller, George F. (See Tubbs, Ira I., assignor.)
- Miller, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Sealing of slip-cover cans or containers. 1,691,297; Nov. 13.
- Miller, George H., Chico, Calif. Weeding hoe. 1,687,986; Oct. 16.
- Miller, George J., Douglas, Ariz. Reclaiming rubber. 1,657,171; Jan. 24.
- Miller, George J., Douglas, Ariz. Manufacturing stuffing. 1,663,852; Mar. 27.
- Miller, George R., assignor to Grip Bow Tie Company, Omaha, Nebr. Bow tie and making the same. 1,665,712; Apr. 10.
- Miller, Gordon, New York, assignor to Philip Florin, Woodmere, N. Y. Portable savings bank. 1,678,646; July 31.
- Miller, Grover C., South Pasadena, and J. F. Kurka and L. B. Chase, assignors to Kelp-Oil Laboratories, Incorporated, Los Angeles, Calif. Agar medical compound. 1,688,053; Oct. 16.
- Miller, Gustaf E. and O. E. Stratton, Nebr. Motor power take-off. 1,666,972; Apr. 24.
- Miller, H. C. Company. (See Miller, Henry C., assignor.)
- Miller, H. H., Industries Company, The. (See Miller, Harvey H., assignor.)
- Miller, H. H., Industries Company, The. (See Pfouts, Leroy S., assignor.)
- Miller, H. H., Industries Company, The. (See Thompson, William H., assignor.)
- Miller, Harry, Little Neck, N. Y. Air cooler for jacketed cylinders. 1,669,530; May 15.
- Miller, Harry C., Wilkinsburg, and A. J. Mottlau, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control device. 1,682,395; Aug. 28.
- Miller, Harry M., et al. (See Hardison, Edwin A., assignor.)
- Miller, Harry N., Chicago, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Electrolytic condenser and electrolyte therefor. 1,672,899; June 12.
- Miller, Harry R., assignor of one-half to N. J. Schorn, Detroit, Mich. Coordinating surface transportation on city streets. 1,659,608; Feb. 21.
- Miller, Harvey H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Liquid-treating apparatus. 1,661,379; Mar. 6.
- Miller, Harvey H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Machine for treating materials. 1,692,947; Nov. 27.
- Miller, Henry C., Waterford, N. Y. Combined doffer and donning mechanism. 1,669,769; May 15.
- Miller, Henry C., deceased; First Wisconsin Trust Company of Milwaukee, executrix, assignor, by mesne assignments, to H. C. Miller Company, Milwaukee, Wis. Loose-leaf binder. 1,667,978; May 1.
- Miller, Henry C., deceased; First Wisconsin Trust Company of Milwaukee, executrix, assignor, by mesne assignments, to H. C. Miller Company, Milwaukee, Wis. Loose-leaf binder. 1,667,979; May 1.
- Miller, Henry J., San Francisco, Calif. Sanitary receptacle for cigar, cigarette, and match stubs. 1,666,215; Apr. 17.
- Miller, Herman. (See Horne, William T., assignor.)
- Miller, Howard, Fort Wayne, Ind., assignor to General Electric Company. Treating electrical windings. 1,661,844; Mar. 6.
- Miller, Hugh G. (See Firth, Elmer W., assignor.)
- Miller, Hugo, assignor of one-fourth to Mrs. I. Steinert and one-fourth to E. Meyers, Colby, Wis. Fence construction. 1,677,195; July 17.
- Miller, Irwin W., Allentown, Pa. Cushion tire. 1,682,302; Aug. 28.
- Miller, Isaac, E. Becker, and S. Eichenbaum, Cleveland, Ohio. Bottle. Des. 74,185; Jan. 3.
- Miller, James F., Minden, La. Nut cracker. 1,665,557; Apr. 10.
- Miller, James M., Washington, D. C., assignor, by mesne assignments, to See-More Automatic Signal Light Co. Combined headlight and signal controlling system. 1,658,769; Feb. 7.
- Miller, James S., Bedford, Ind. Gearshift. 1,696,049; Dec. 18.
- Miller, Jane R., Los Angeles, Calif. Toy boat. Des. 76,148; Aug. 21.
- Miller, Jay D. (See Miller, John J., assignor.)
- Miller, Jerome J., Chadron, Nebr. Bleeder valve. 1,661,046; Feb. 28.
- Miller, John, Jr., Beloit, Wis., assignor to Charles H. Besly and Company, Chicago, Ill. Work-feed fixture for grinding machines. 1,658,092; Feb. 7.
- Miller, John, Jr., Beloit, Wis., assignor to Charles H. Besly and Company, Chicago, Ill. Work-feeding device for grinding machines. 1,682,925; Sept. 4.
- Miller, John A., Homewood, Ill. Pleasure-railway car. 1,656,218; Jan. 17.
- Miller, John A., Tarrytown, N. Y. Apparatus for removing high-bake enamel. 1,657,580; Jan. 31.
- Miller, John A., Glendale, Calif., assignor, by mesne assignments, to Union Switch & Signal Company, Swissvale, Pa. System of railway signaling and train control. 1,662,047; Mar. 6.
- Miller, John A., and G. W. Cattell, Waukegan, Ill., assignors, by mesne assignments, to Union Switch & Signal Company, Swissvale, Pa. Cab-signaling and train-control system for railways. 1,661,670; Mar. 6.
- Miller, John C., Oak Park, Ill., assignor to S. S. Otis. Time switch. 1,669,770; May 15.
- Miller, John E., Huntington, W. Va. Dental forceps. 1,675,815; July 3.
- Miller, John H., Oak Park, assignor to Jewell Electrical Instrument Company, Chicago, Ill. Electrical measuring instrument. 1,663,738; Mar. 27.
- Miller, John J., assignor of one-third to J. D. Miller, Chicago, Ill. Making building material. 1,681,493; Aug. 21.
- Miller, John J. A., Denver, Colo. Seal for car doors, shipping receptacles, etc. 1,682,396; Aug. 28.
- Miller, John M., Washington, D. C. Amplifier. 1,668,653; May 8.
- Miller, John M., Montclair, N. J., assignor to Maddock & Miller, Inc., New York, N. Y. Teapot. 1,668,329; May 1.
- Miller, John M., assignor of one-half to F. C. Richardson, Detroit, Mich. Electric switch. 1,691,984; Nov. 20.
- Miller, John O., Chicago, Ill., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Device for chalking cue tips. 1,688,310; Oct. 16.
- Miller, John O., Chicago, Ill., assignor to The Brunswick-Balke-Collender Co., Chicago, Ill. Device for chalking cue tips. 1,688,311; Oct. 16.
- Miller, John S., Jr. (See Forrest, C. N., Miller, and Rabb.)
- Miller, John W. (See Spiegel, Edward R., assignor.)
- Miller, Jonas M., Plain City, Ohio. Telegraph transmitter. 1,660,759; Feb. 28.
- Miller, Joseph A., assignor to Draper Corporation, Hopedale, Mass. Bobbin-clutching means for rotatable spindles. 1,662,780; Mar. 13.
- Miller, Joseph A., assignor to Draper Corporation, Hopedale, Mass. Bobbin-clutching means for rotatable spindles. 1,662,781; Mar. 13.
- Miller, Juanita, Oakland, Calif. Doll. Des. 76,950; Nov. 20.
- Miller, Kinney I., Lancaster, Mo. Reinforced lid for chick boxes. 1,657,515; Jan. 31.
- Miller, Kinney I., Lancaster, Mo. Shipping-box structure. 1,664,308; Mar. 27.
- Miller, Lawson E. (See Miller, Vernon W. and L. E.)
- Miller, Lee R., New York, N. Y. Attachment for hoisting slings. 1,662,713; Mar. 13.
- Miller, Leo J. (See Newland, K., and Miller.)
- Miller, Leonard. (See Jublin, G. A., and Miller.)
- Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Machine for forming plastic material. 1,657,442; Jan. 24.

- Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Alternating-current rectifier. 1,658,647; Feb. 7.
- Miller, Lewis H., Cleveland, Ohio. Lubricator. 1,686,872; Oct. 9.
- Miller, Lou E. (See Parker, L., and Miller.)
- Miller, Louallen F., Minneapolis, Minn. Luminescent fuse plug. 1,666,339; Apr. 17.
- Miller, Louis A., Kansas City, Mo. Game device. 1,659,468; Feb. 14.
- Miller, Louis S., Los Angeles, Calif. Apparatus for sharpening hand saws. 1,666,395; Apr. 17.
- Miller, Macon D. (See Nix, T. C., and Miller.)
- Miller, Mark H., Indianapolis, Ind. Ventilating apparatus. 1,691,162; Nov. 13.
- Miller, Melcher, assignor of one-half to L. Stiefel, Leipzig, Saskatchewan, Canada. Harness ferrule. 1,694,716; Dec. 11.
- Miller, Milton P., Dubuque, Iowa, assignor to George D. Wanner & Company, Dayton, Ohio. Toy glider. 1,680,689; Aug. 14.
- Miller, Monroe E. (See Causey, G. M., and Miller.)
- Miller, Morrell E., Warren, Ohio. Tractor. 1,692,342; Nov. 20.
- Miller, Murry, New York, N. Y. Bag latch. 1,663,383; Mar. 20.
- Miller, Norman, Madill, Okla. Artificial teeth. 1,654,743; Jan. 3.
- Miller, Norman B., New York, N. Y. Packing. 1,663,314; Mar. 20.
- Miller, Orvell G., et al. (See De Meulle, Bernard C., assignor.)
- Miller, Oscar E. (See Miller, Gustaf E. and O. E.)
- Miller, Paul, Pittstown, assignor of one-third to F. C. Claessens, Troy, N. Y. Spark plug. 1,692,754; Nov. 20.
- Miller, Peter, jr., assignor of one-fourth to A. Miller and one-fourth to C. R. Crisp, Springdale, Wash. Life-saving device and container. 1,670,631; May 22.
- Miller, Philip F., Maplewood, N. J., assignor to The De Laval Separator Company, New York, N. Y. Apparatus for reclaiming used lubricating oil. 1,694,478; Dec. 11.
- Miller, Philip M., Brooklyn, N. Y. Demountable rim. 1,654,744; Jan. 3.
- Miller, Philip M., assignor, by mesne assignments, to R. E. H. Incorporated, Brooklyn, N. Y. Demountable tire-carrying rim. 1,675,371; July 3.
- Miller, Ranse W., Dublin, Ga. Detachable choke piece. 1,679,048; July 31.
- Miller, Raymond E., Wilkesburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Leakage-testing device. 1,681,551; Aug. 21.
- Miller, Richard G., Huntington, W. Va., assignor to Roberts and Schaefer Company, Chicago, Ill. Picking table. 1,654,694; Jan. 3.
- Miller, Richard G., Huntington, W. Va., assignor to Roberts and Schaefer Company, Chicago, Ill. Picking table. 1,654,695; Jan. 3.
- Miller, Robert A., Pekin, Ill. Plant protector. 1,683,043; Sept. 4.
- Miller, Robert H., Houston, Tex. Torsion balance. 1,670,810; May 22.
- Miller, Robert J., Oakland, Calif. Wall louver ventilator. Re17,164; Dec. 11.
- Miller, Robert M., Fort Lauderdale, and H. D. Hodgson, Miami, Fla. Sea wall and making same. 1,693,311; Nov. 27.
- Miller, Robert P., Sacramento, assignor to Schmidt Lithograph Company, San Francisco, Calif. Tin-top-basket fruit protector. 1,669,669; May 15.
- Miller, Roy G., Brooklawn, N. J., assignor of one-half to C. T. Ludington, Philadelphia, Pa. Airplane. 1,671,081; May 22.
- Miller Rubber Company, The. (See Bulley, George W., assignor.)
- Miller Rubber Company, The. (See Collins, Arthur E., assignor.)
- Miller Rubber Company, The. (See Finberg, David H., assignor.)
- Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
- Miller Rubber Company, The. (See Steele, Charles W., assignor.)
- Miller, Rudolph, assignor of one-half to L. C. La Courriere, Detroit, Mich. Marine vessel. 1,663,347; Mar. 20.
- Miller, S. E., trustee. (See Shiek, Daniel W., assignor.)
- Miller, Samuel W., Hollis, N. Y., assignor to Linde Air Products Company. Multiple vertical wall. 1,688,980; Oct. 23.
- Miller Saw-Trimmer Company. (See Smith, Walter H., assignor.)
- Miller Saw-Trimmer Company. (See Upham, Burt F., assignor.)
- Miller, Stanley G., Evanston, Ill. Golf club. 1,669,482; May 15.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Mixing machine and process. 1,670,593; May 22.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Drum cooler or drier. 1,675,274; June 26.
- Miller, Stuart P., Philadelphia, Pa., assignor to The Barrett Company. Rubber and resin compound. 1,682,397; Aug. 28.
- Miller, Stuart P., and J. B. Hill, Philadelphia, Pa., assignors to The Barrett Company. Polymerization and purification of hydrocarbons. 1,679,093; July 31.
- Miller, Theodore A. (See Fleiter, A. J., and Miller.)
- Miller, Theodore A. (See Fleiter, A. J., Bostwick, and Miller.)
- Miller, Thomas, Brooksville, Key. Tobacco press. 1,677,724; July 17.
- Miller, Thomas A., Miami, Fla. Shock absorber. 1,681,870; Aug. 21.
- Miller, Thomas D., Clarksville, Md. Shingle. 1,670,041; May 15.
- Miller, Thomas S., South Orange, N. J. Driving mechanism. 1,674,979; June 26.
- Miller, Thomas S., South Orange, N. J. Fluid-pressure-operated device. 1,684,063; Sept. 11.
- Miller, Thomas S., South Orange, N. J. Method and apparatus for fueling ships at sea. 1,685,927; Oct. 2.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Manufacture of sponge rubber. 1,674,053; June 19.
- Miller, Tillie, Cheyenne, Wyo. Composition of matter for use in edging fabrics. 1,666,143; Apr. 17.
- Miller Train Control Corporation, The. (See Murray, Earle E., assignor.)
- Miller Train Control Corporation, The. (See Rice, Philip X., assignor.)
- Miller, Vernon W., and L. E. Brice, Ohio. Illuminating airports. 1,660,680; Feb. 28.
- Miller, Wallace W., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Screen structure. 1,661,003; Feb. 28.
- Miller, Walter B., trustee. (See Bowen, Charles O., assignor.)
- Miller, Wesley H. (See Young, J. H., and Miller.)
- Miller, Wilbur G., Los Angeles, Calif. Combined pressure douche and water controller and charger. 1,654,745; Jan. 3.
- Miller, Wilbur G., Los Angeles, Calif. Hose and tube clamp. 1,695,340; Dec. 18.
- Miller, Willard. (See Everhard, Edith M., assignor.)
- Miller, William, et al. (See Moore, Samuel, assignor.)
- Miller, William B. (See Ellis, G. H., Olpin, and Miller.)
- Miller, William E., Yonkers, N. Y. Garment-hanger continuous support. 1,696,579; Dec. 25.
- Miller, William F., Buffalo, N. Y. Oil burner. 1,676,274; July 10.
- Miller, William H., Cleveland, Ohio. Mixing attachment for internal-combustion engines. 1,657,891; Jan. 31.
- Miller, William H., and H. G. Thompson, Cleveland, Ohio. Mixing device. 1,689,446; Oct. 30.
- Miller, William J., Swissvale, Pa. Mechanism for producing intermittent rotation of jigger spindles. 1,655,431; Jan. 10.
- Miller, William J., Swissvale, Pa. Mold loading and transferring machine and jigger combined. 1,691,119; Nov. 13.
- Miller, William J., Swissvale, Pa., assignor to Hartford Empire Company, Hartford, Conn. Apparatus for producing mold charges of molten glass. 1,681,127; Aug. 14.
- Miller, William J., Swissvale, Pa., assignor to Hartford Empire Company, Hartford, Conn. Timing mechanism. 1,684,064; Sept. 11.
- Miller, William S., Rochester, N. Y. Ventilator. 1,678,743; July 31.
- Miller, William T., Royersford, Pa., assignor to The United States Coal Mfg. Co. Producing briquettes and product thereof. 1,670,865; May 22.
- Miller, Winford E., Norphlet, Ark. Well-rigging device. 1,660,271; Feb. 21.
- Millet, Armando A. H., Habana, Cuba. Motor valve. 1,675,039; June 26.
- Millican, James A., Detroit, Mich. Treating leather. 1,659,957; Feb. 21.
- Millie Patent Holding Co. Inc. (See Allatt, Thomas, assignor.)
- Milligan, Daniel G., Fort Wayne, Ind. Portable liquid-recording funnel. 1,695,053; Dec. 11.
- Milligan, John F. (See Glass, C. F., Bock, and Milligan.)
- Milligan, John F. (See Schuman, B. M., and Milligan.)
- Milligan William, and W. E. Palmer, Richmond, Va., assignors to The Imperial Tobacco Co., Great Britain and Ireland. Method of and apparatus for treating tobacco. 1,693,989; Dec. 4.
- Milliken, Foster, Lawhence, N. Y., assignor to Milliken Valve Corporation. Lubricated valve. 1,696,723; Dec. 25.
- Milliken, John A., Ambler, assignor to J. E. Marsden, Philadelphia, Pa. Grinding apparatus. 1,677,484; July 17.
- Milliken, Ralph W. E., Lexington, Mass. Truck. 1,660,517; Feb. 28.
- Milliken, Sarah A., Oakmont, Pa. Doll. Des. 76,033; Aug. 14.
- Milliken Valve Corporation. (See Milliken, Foster, assignor.)
- Millington, John, Bondi, near Sydney, New South Wales, Australia. Clutch and accelerator interlocking mechanism for automobile engines. 1,663,413; Mar. 20.
- Millner, T. W., et al. (See Dokkenwadel, Frederick G., assignor.)
- Millring, Edwin R., Orange, N. J., assignor to American Machine & Foundry Company. Coating metal. 1,660,847; Feb. 28.

- Millring, Edwin R., New York, N. Y., assignor to American Machine & Foundry Company. Protective composition for metal-coating baths. 1,674,694; June 26.
- Millring, Laura L., New York, N. Y. Dressing-table receptacle for cosmetics or the like. Des. 76,884; Nov. 13.
- Millring, Laura L., New York, N. Y. Dressing-table toilet article. 1,692,309; Nov. 20.
- Millring, Laura L., New York, N. Y. Toilet article. 1,692,310; Nov. 20.
- Mills, B. A., Keystone, W. Va. Automatic liner safety. 1,690,173; Nov. 6.
- Mills, Charles P., assignor to The Duraloy Company, Pittsburgh, Pa. Recuperator. 1,673,122; June 12.
- Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Illuminating device for rudder-angle indicators. 1,659,828; Feb. 21.
- Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Ships signaling or broadcasting device. 1,673,269; June 12.
- Mills, Chester B., assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Searchlight. 1,675,720; July 3.
- Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Stabilized gyroscopic compass. 1,679,438; Aug. 7.
- Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Thrust bearing for gyro-compass rotors. 1,688,825; Oct. 23.
- Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyrocompass transmitter. 1,690,545; Nov. 6.
- Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Automatic steering for dirigible craft. 1,695,601; Dec. 18.
- Mills, Clarence E. (See Atteberry, A. R., and Blalock, assignors.)
- Mills, Edgar T., Millville, W. Va. Fly screen. 1,683,204; Sept. 4.
- Mills, Florence H. (See Kitterman, W. B., and Mills.)
- Mills, Frank W., Chicago, Ill. Game of skill. 1,688,590; Oct. 23.
- Mills, Fred L., Oak Park, Ill., assignor to Milk Novelty Company, Chicago, Ill. Front plate for a vending-machine cabinet. Des. 75,742; July 10.
- Mills, Fred L., Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill. Safety catch device. 1,677,647; July 17.
- Mills, George W., jr., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Shingle. 1,689,290; Oct. 30.
- Mills, Gordon B., et al. (See Mills, G. B., Schmiedeskamp, and Skinner, assignors.)
- Mills, Gordon B., Oakland, A. J. Schmiedeskamp, Berkeley, and H. E. Skinner, Oakland, Calif.: said Schmiedeskamp assignor to said Mills and Skinner. Game apparatus. 1,682,926; Sept. 4.
- Mills, Harry A., and W. D. Pyle, Denver, Colo. Sound transmitter. 1,666,262; Apr. 17.
- Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,661,004; Feb. 28.
- Mills, John B. (See Orth, W. G., and Mills.)
- Mills, Keith S., Beaconsfield, England. Apparatus for intermittently introducing substances into solutions and withdrawing them therefrom and for analogous purposes. 1,664,127; Mar. 27.
- Mills, Louis D., Palo Alto, assignor to The Merrill Company, San Francisco, Calif. Apparatus for removing gases from liquids. 1,671,601; May 29.
- Mills, Morris, Truro, Nova Scotia, Canada. Combined holder and dispenser for matches. 1,657,692; Jan. 31.
- Mills, Norman W., Portland, Oreg. Butt hook. 1,656,676; Jan. 17.
- Mills Novelty Company. (See Mills, Fred L., assignor.)
- Mills Novelty Company. (See Peterson, Oscar, assignor.)
- Mills Novelty Company. (See Radtke, Bruno, assignor.)
- Mills, Ray F., Waynesville, Ohio. Reatomizing device. 1,683,089; Sept. 4.
- Mills, Robert D., jr., Nashville, Tenn. Cigarette and match dispenser. 1,677,041; July 10.
- Mills, Ronald V., Sandy Spring, Md., assignor to P. Q. Nyce, Washington, D. C. Electrochemical method of and means for protecting buried pipe lines against corrosion. 1,664,800; Apr. 3.
- Mills, Roscoe C. (See Riddle, Kenneth M., assignor.)
- Mills, Samuel, Oakland, and T. G. Plant, Sausalito, Calif. Signal casing. 1,674,981; June 26.
- Mills, Samuel H., Montpelier, Vt. Stone-polishing wheel. 1,670,780; May 22.
- Mills, Thomas B. (See vom Hofe, Julius, assignor.)
- Mills, Thomas J. (See Morris, E. T., and Mills.)
- Mills, Walter C., Wabash, Ind. Exercising device. 1,669,063; May 8.
- Mills, William S. (See Campbell, Willie C., assignor.)
- Mills, William & Son. (See vom Hofe, Julius.)
- Millspaugh, William H., Sandusky, Ohio. Internal-combustion engine. 1,679,868; Aug. 7.
- Millspaugh, William H., assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Cast pipe and apparatus for making pipe. 1,673,013; June 12.
- Millspaugh, William H., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Newsprint paper. 1,674,980; June 26.
- Millspaugh, William H., assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Centrifugal casting machine. 1,679,910; Aug. 7.
- Millspaugh, William H., assignor to The Paper and Textile Machinery Company, Sandusky, Ohio. Apparatus for casting. 1,686,624; Oct. 9.
- Millspaugh, William H., assignor to The Paper & Textile Machinery Co., Sandusky, Ohio. Water evacuator for drier drums. 1,693,934; Dec. 4.
- Millville Manufacturing Company, The. (See Skedgell, David E., assignor.)
- Millward, George, Leckrone, Pa. Switch-throwing device. 1,670,472; May 22.
- Millward, George A., Brownsville, Pa. Protector. 1,668,513; May 1.
- Millward, William, Pittsburgh, Pa. Regenerative furnace. 1,695,199; Dec. 11.
- Milne, Samuel, Edinburgh, Scotland. Paper-pulp and like beating engine. 1,662,466; Mar. 13.
- Milne, Samuel, Edinburgh, Scotland. Mechanical screen, strainer, and the like. 1,670,473; May 22.
- Milne, Winford G., assignor to The N. Slater Company, Limited, Hamilton, Ontario, Canada. Pole top fixture for transmission lines. 1,677,456; July 17.
- Milne, Winford G., assignor to The N. Slater Company, Limited, Hamilton, Ontario, Canada. Ground wire connector. 1,679,677; Aug. 7.
- Milner, Herbert. (See Worthington, R. C., and Milner.)
- Milner, Nugent, assignor to Graham Brothers, Evansville, Ind. Bus-body construction. 1,664,569; Apr. 8.
- Milner, Nugent, assignor to Graham Brothers, Evansville, Ind. Vehicle body construction. 1,682,231; Aug. 28.
- Milner, Wilfred R., Pontiac, Mich. Automobile radiator shell. Des. 75,381; May 29.
- Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Relay and relaying system. 1,673,697; June 12.
- Milnor, Joseph W., assignor to The Western Union Telegraph Company, New York, N. Y. Correcting earth potentials on submarine cables. 1,673,773; June 12.
- Milosevich, Dusan J., Los Angeles, Calif. Apparatus for curing concrete pipe and the like. 1,657,022; Jan. 24.
- Milotte, Elmore, assignor of one-half to J. B. Morganti, Eureka, Calif. Overhead haulage carrier. 1,693,523; Nov. 27.
- Milton, John L., Louisville, Ky., assignor to Cheatham Electric Switching Device Company. Switch-throwing device. 1,685,172; Sept. 25.
- Milton, John L., Louisville, Ky. Electric switch. 1,694,479; Dec. 11.
- Milton Weaving Company. (See Ward, John C., assignor.)
- Milwaukee Corrugating Company. (See Jones, Edmund H., assignor.)
- Milwaukee Corrugating Company. (See Kuehn, Louis, assignor.)
- Milwaukee Corrugating Company. (See Luedke, August J., assignor.)
- Milwaukee Dairy Supply Mfg. Co. (See Lippold, Adolph J., assignor.)
- Milwaukee Lace Paper Company. (See Graffenberger, Friedrich, assignor.)
- Milwaukee Lace Paper Company. (See Holzer, Eugene J., assignor.)
- Milwaukee Paper Box Company. (See Carlson, Walter C., assignor.)
- Milwaukee Saddlery Company. (See Mayer, Frank, assignor.)
- Milwaukee Stamping Company. (See Mahar, Merton E., assignor.)
- Milwaukee Valve Company. (See Fraser, John, jr., assignor.)
- Milz, Max J., assignor to Midway Iron Works, Inc., Taft, Calif. Band-wheel counterbalance. 1,664,524; Apr. 3.
- Mims, Rita B., Houston, Tex. Hair curler. 1,659,118; Feb. 14.
- Minardo, Cosimo M. (See Bloom, Carl G., assignor.)
- Mincher, Joseph F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Valve. 1,671,306; May 29.
- Mine and Smelter Supply Company, The. (See Willard, Clarence G., assignor.)
- Mine Safety Appliances Company. (See Yablick, Max, assignor.)
- Miner, Carl S. (See Trickey, J. P., and Miner.)
- Miner, Carl S., and E. W. Trolander, assignors, by mesne assignments, to The Delatone Company, Chicago, Ill. Depilatory. 1,682,181; Aug. 28.
- Miner, Claude G., Berkeley, Calif., assignor to Phosphorus Hydrogen Company, New York, N. Y. Making oxy-compounds of phosphorus. 1,686,873; Oct. 9.
- Miner, Claude G., Berkeley, Calif. Producing phosphorous chloride. 1,688,503; Oct. 23.
- Miner, Claude G., Berkeley, Calif. Producing anhydrous aluminum halides and nitrogen by-products. 1,688,504; Oct. 23.
- Miner, Douglas F., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,684,065; Sept. 11.
- Miner, Douglas F., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,684,066; Sept. 11.
- Miner, Frederick M., jr., Madison, Wis. Gas heater. Re17,098; Oct. 9.
- Miner, Joseph A., assignor to American Metal Furniture Co., Indianapolis, Ind. Optician's cabinet. 1,682,695; Aug. 28.

- Miner, Walter, Seattle, Wash. Track brake. 1,692,090; Nov. 20.
- Miner, W. H., Inc. (See Anderson, Harley E., assignor.)
- Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
- Miner, W. H., Inc. (See Dath, Charles E., assignor.)
- Miner, W. H., Inc. (See Erickson, Frederick F., assignor.)
- Miner, W. H., Inc. (See Fuchs, Henry, assignor.)
- Miner, W. H., Inc. (See Geiger, William A., assignor.)
- Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
- Miner, W. H., Inc. (See Johnson, George A., assignor.)
- Miner, W. H., Inc. (See Lewis, Goodrich Q., assignor.)
- Miner, W. H., Inc. (See Lounsbury, Harvey J., assignor.)
- Miner, W. H., Inc. (See O'Connor, John F., assignor.)
- Miner, W. H., Inc. (See Olander, Roland J., assignor.)
- Miner, W. H., Inc. (See Strid, Sven J., assignor.)
- Minerals Separation North American Corporation. (See Chapman, G. A., and Wilkinson, assignors.)
- Minerals Separation North American Corporation. (See Hale, Robert M., assignor.)
- Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
- Minerals Separation North American Corporation. (See Lewis, Carl P., assignor.)
- Minerals Separation North American Corporation. (See Martin, Rutherford B., assignor.)
- Minerals Separation North American Corporation. (See Smith, Harold H., assignor.)
- Minerals Separation North American Corporation. (See Stenning, William W., assignor.)
- Minerals Separation North American Corporation. (See Wilkinson, Eltoft W., assignor.)
- Minerva Pictures Corporation. (See Ewing, Howard M., assignor.)
- Minetti, Frank N., Cincinnati, Ohio. Pocket wallet. 1,669,064; May 8.
- Mingle, William, and H. M. Jackson, assignors to Simmons Limited, Montreal, Quebec, Canada. Bed. 1,695,772; Dec. 18.
- Mings, James F., and O. W. Freeman, Galesburg, Ill. Electrically-operated scissors. 1,680,627; Aug. 14.
- Mingus, Maude A., formerly M. A. M. Wheeler, Oakland, Calif. Hair dye. Re17,153; Dec. 4.
- Minich, Verne E., Scarsdale, assignor to The American Foundry Equipment Company, New York, N. Y. Sand-treating machine. 1,675,721; July 3.
- Minich, Verne E., Scarsdale, assignor to The American Foundry Equipment Company, New York, N. Y. Sand cutting, screening, and piling machine. 1,678,702; July 31.
- Minich, Verne E., New York, N. Y., E. A. Rich, jr., and R. H. Moore, Chicago, Ill., assignors to The American Foundry Equipment Company, New York, N. Y. Machine for cutting and sifting sand. 1,659,211; Feb. 14.
- Minier, William H., Toledo, Ohio. Automobile sander. 1,691,298; Nov. 13.
- Minimax Act-Ges. (See Schnabel, Rudolf, assignor.)
- Minks, August O., et al. (See Blouin, Stephen F., assignor.)
- Minneapolis Heat Regulator Company. (See Denison, Frederick S., assignor.)
- Minneapolis Heat Regulator Co. (See Sweatt, Harold W., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)
- Minneapolis-Honeywell Regulator Company. (See Sweatt, H. W., and Denison, assignors.)
- Minnesota Mining and Manufacturing Company. (See Fillion, Forest F., assignor.)
- Minnesota Mining & Manufacturing Company. (See Okie, Francis G., assignor.)
- Minnich, Walter, Montreux, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Esters of unsaturated acids. 1,680,799; Aug. 14.
- Minnich, Walter, Montreux, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Esters of cholesterol with unsaturated acids. 1,690,647; Nov. 6.
- Minnick, Frederick L., assignor to Dean-Minnick Steel Wheel Company, Seattle, Wash. Vehicle wheel. 1,673,840; June 19.
- Minnick, George H., Camden, N. J., and H. W. Goodall, Aldan, Pa. Hood construction for railway cars. 1,657,268; Jan. 24.
- Minnick, Howard B., Chicago, Ill. Combination tie press and rack. 1,667,264; Apr. 24.
- Minnix, William S., Washington, D. C. Combined sounding figure toy and return ball. 1,683,910; Sept. 11.
- Minor, Burt S., assignor to Regan Forge & Engineering Company, San Pedro, Calif. Blow-out device for oil wells. 1,693,039; Nov. 27.
- Minor, George E., Seattle, Wash. Cutting stencils. 1,671,906; May 29.
- Minor, Henry R., Ossining, assignor to General Carbonic Company, New York, N. Y. Treating rubber stocks. 1,675,124; June 26.
- Minor, Joseph W., Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Neutralizing alternating currents. 1,688,735. Oct. 23.
- Minor, William A., assignor to Luitwieler Pumping Engine Company, Rochester, N. Y. Deep-well pump. 1,655,621; Jan. 10.
- Minor, William T., et al. (See Long, Wilber L., assignor.)
- Minott, Adair W., Ames, assignor to one-half to G. C. Merritt, Des Moines, Iowa. Electric fuse panel. 1,693,854; Dec. 4.
- Minshall, George T., Elkhorn, Wis. Root eradicator. 1,662,467; Mar. 13.
- Minsterman, Robert A., Elmira, N. Y. Baker's peel. 1,680,904; Aug. 14.
- Minton, Gustave M., jr., New York, N. Y. Atomizer nozzle. Des. 74,382; Feb. 7.
- Minton, Gustave M., jr., New York, N. Y. Atomizer or similar article. Des. 75,441; June 5.
- Minton, Gustave M., jr., New York, N. Y. Atomizer or similar article. Des. 75,442; June 5.
- Minton, Gustave M., jr., New York, N. Y. Atomizer or similar article. Des. 75,443; June 5.
- Minton, Gustave M., jr., New York, N. Y. Atomizer or similar article. Des. 75,444; June 5.
- Minton, Gustave M., jr., New York, N. Y. Atomizer or similar article. Des. 75,507; June 12.
- Minton, Gustave M., jr., New York, N. Y. Cap for atomizers. Des. 75,692; July 3.
- Minton, Gustave M., jr., New York, N. Y. Perfume atomizer. Des. 75,693; July 3.
- Minton, Gustave M., jr., New York, N. Y. Serving tray. 1,669,065; May 8.
- Minton, Le Roy H., Metuchen, N. J. Manufacture of zircon refractories. 1,684,739; Sept. 18.
- Minton, Ogden, Greenwich, Conn. Vacuum seal and apparatus. 1,683,254; Sept. 4.
- Minty, Alexander T., Winnipeg, Manitoba, Canada. Operating table. 1,661,491; Mar. 6.
- Minuttilo, Micheal, Holyoke, Mass. Shoe and arch preserver. 1,692,510; Nov. 20.
- Mioton, Fitzhugh S., New Orleans, and L. H. Guerin, Covington, La. Plastering machine. 1,684,357; Sept. 11.
- Miozzi, Philip. (See Bauer, E., and Miozzi.)
- Mirabito, Giuseppe, et al. (See Sabatini, Andy, assignor.)
- Miracle Door Company of Delaware. (See Paine, Nathan, assignor.)
- Miranda, Josephine O., Los Angeles, Calif. Motion-picture card game. 1,694,748; Dec. 11.
- Mirandette, Hormidas S., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-molding machine. 1,655,432; Jan. 10.
- Mirfield, George E., Youngstown, Ohio. Shearing metal sheets. 1,665,319; Apr. 10.
- Mirfield, George E., Youngstown, Ohio. Manufacturing pipe couplings. 1,685,678; Sept. 25.
- Miriam Gross Company. (See Gross, Miriam, assignor.)
- Mirick, Carlos B., Washington, D. C. Electrical system. 1,683,090; Sept. 4.
- Mirick, Carlos B., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal holder. 1,683,091; Sept. 4.
- Mirick, Carlos B., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal holder. 1,683,092; Sept. 4.
- Mirick, Carlos B., and A. Crossley, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal apparatus. 1,683,093; Sept. 4.
- Mirlach, George G., Beaver Dam, Wis. Mail box. 1,694,334; Dec. 4.
- Mirzan, Richard A., Syracuse, N. Y. Anchoring bolts. 1,688,087; Oct. 16.
- Miscampbell, Hugh, Duluth, Minn. Hydrating unit. 1,662,932; Mar. 20.
- Misener, John L., Syracuse, N. Y. Hammer attachment for electric drills and the like. 1,665,173; Apr. 3.
- Mish, Frank C., Greenville, Va. Concrete and steel spring rail tie. 1,695,604; Dec. 18.
- Mishawaka Rubber and Woolen Manufacturing Company. (See Blair, George W., assignor.)
- Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, C. E., and Mason, assignors.)
- Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, C. E., and Van Dinter, assignors.)
- Mishcon, Samuel, Brooklyn, N. Y. Knitting-machine mechanism. 1,681,359; Aug. 21.
- Mishoe, George E., assignor to one-half to F. B. Fix, Verona, Pa. Window sash. 1,669,335; May 15.
- Miskewicz, Joseph B., Pittsburgh, Pa. Wringer. 1,690,026; Oct. 30.
- Miskimen, George O., Steubenville, Ohio. Floor-polishing machine. 1,668,692; May 8.
- Mislin, Eugen, Prague-Vrsovice, assignor to J. F. Daubek and G. Daubek, Bruncce, Czechoslovakia. Increasing the usefulness of fodder and food. 1,685,004; Sept. 18.
- Misner, Edgar D., Detroit, Mich., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer drain board. 1,655,622; Jan. 10.
- Misner, Edgar D., Detroit, Mich., assignor, by mesne assignments, to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,682,232; Aug. 28.
- Misrachi, Albert, Mexico, Mexico. Display and storage rack. 1,689,741; Oct. 30.
- Mississippi Glass Company. (See Gutmann, Paul F., assignor.)
- Mississippi Glass Company. (See Hobbie, Edward H., assignor.)
- Mississippi Glass Company. (See Kingsley, Charles B., assignor.)
- Mississippi Glass Company. (See Klein, Hugo L., assignor.)
- Mitchel, Charles P., Detroit, Mich. Shoe rack. 1,674,654; June 26.

- Mitchell, Allister S., assignor to California Cotton Mills Company, Oakland, Calif. Apparatus for stuffing plait. 1,683,296; Sept. 4.
- Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
- Mitchell, Clarence C., and B. Gregory, assignors of five-sixteenths to C. E. Morrison, Vernon, Tex. Device for inflating motor-vehicle tires. 1,657,023; Jan. 24.
- Mitchell, Ernest, Eccles, Manchester, England. Manufacture of propellers. 1,682,398; Aug. 28.
- Mitchell, Ernest, Eccles, Manchester, England. Extrusion of metals. 1,682,399; Aug. 28.
- Mitchell, Ernest R., assignor to Mitchell Specialty Company, Philadelphia, Pa. Door retainer. 1,657,313; Jan. 24.
- Mitchell, Ernest R., assignor to Mitchell Specialty Company, Philadelphia, Pa. Door retainer. 1,657,314; Jan. 24.
- Mitchell, Frank B., Hove, England. Repeating and stopping device for talking machines and the like. 1,654,824; Jan. 3.
- Mitchell, Frederic E., Los Angeles, Calif. Interior sectional partition. 1,682,400; Aug. 28.
- Mitchell, Fredrick G., Brighton, Victoria, Australia. Making talking-machine records. 1,671,437; May 29.
- Mitchell, G. F., & Son. (See Mitchell, Harry W., assignor.)
- Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. View finder. 1,682,139; Aug. 28.
- Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Erecting finder. 1,687,030; Oct. 9.
- Mitchell, Harry C., London, England. Decoration, ornamentation, or painting. 1,661,573; Mar. 6.
- Mitchell, Harry L. (See De Luiz, E. R., and Mitchell.)
- Mitchell, Harry R., assignor to Mitchell Products Company, Seattle, Wash. Single-package-vending machine. 1,661,440; Mar. 6.
- Mitchell, Harry W. (See Evans, Floyd G., assignor.)
- Mitchell, Harry W., assignor to G. F. Mitchell & Son, Cleveland, Ohio. Wringer mechanism. 1,662,616; Mar. 13.
- Mitchell, Holger L. (See Henricks, A. G., and Mitchell.)
- Mitchell, Horace A., Fairfield, Conn. Magnetic relay valve. 1,667,898; May 1.
- Mitchell, John A., Newark, N. J., and L. J. Zahn, Long Island City, assignors to International Postal Supply Company, Brooklyn, N. Y. Printing and registering mechanism for mailing. 1,659,212; Feb. 14.
- Mitchell, John A., Newark, N. J., and L. J. Zahn, Long Island City, assignors to International Postal Supply Company, Brooklyn, N. Y. Combination printing and registering apparatus for mailing machines. 1,659,213; Feb. 14.
- Mitchell, John C. (See Heller, H., and Mitchell.)
- Mitchell, John E., St. Louis, Mo. Boll-separating and cotton-cleaning machine. 1,658,731; Feb. 7.
- Mitchell, John E., St. Louis, Mo. Boll-breaking and cotton-separating machine. 1,694,480; Dec. 11.
- Mitchell, John E., and D. Parks, St. Louis, Mo. Reclaiming escaped cotton discharged with hulls from cotton-cleaning machines. 1,669,771; May 15.
- Mitchell, John E., and D. Parks, St. Louis, Mo. Cotton-reclaiming machine. 1,690,375; Nov. 6.
- Mitchell, John E., and O., St. Louis, Mo. Driving mechanism. 1,682,140; Aug. 28.
- Mitchell, John R., Montclair, N. J. Washboard tension device. 1,656,865; Jan. 17.
- Mitchell, Joseph D., administrator. (See Friberg, Axel A.)
- Mitchell, Joseph S., Chicago, Ill., assignor to Sullivan Machinery Company. Core drill. 1,677,925; July 24.
- Mitchell, Kearney F., Sulphur, La. Automatic drill-pipe cutter. 1,676,569; July 10.
- Mitchell, Leon, Baltimore, Md. Ice-cream cone. 1,654,825; Jan. 3.
- Mitchell, Leon W., and J. T. Wise, assignors to Rock Island Stove Company, Rock Island, Ill. Handle for heating devices. 1,672,226; June 5.
- Mitchell, Lewis J. (See Haas, C. H., and Mitchell.)
- Mitchell Mackie Company. (See Mackie, Mitchell, assignor.)
- Mitchell, Malcolm E. (See Lynch, E. E., and Mitchell.)
- Mitchell, Malcolm E., assignor of one-half to D. Garinkle, Alameda, Calif. Signaling device. 1,691,400; Nov. 13.
- Mitchell, Orville. (See Mitchell, John E., and O.)
- Mitchell, Oscar R. (See Newman, A. L., and Mitchell.)
- Mitchell Products Company. (See Mitchell, Harry R., assignor.)
- Mitchell, Ralph. (See Lentz, Rea D., assignor.)
- Mitchell, Ralph W. (See Samuelson, E. A., and Mitchell.)
- Mitchell-Rand Mfg. Co. (See Lawrence, Joseph T., assignor.)
- Mitchell, Raymond C. (See Andrews, F. W., and Mitchell.)
- Mitchell, Raymond C., Springfield, Ohio, assignor by mesne assignments, to Barber-Colman Company. Grinding machine. 1,693,723; Dec. 4.
- Mitchell, Robert, Company Limited, The. (See Kennedy, Hugh M., assignor.)
- Mitchell, Robert B., assignor to Union Steel Products Company, Albion, Mich. Anchoring element for concrete construction. 1,666,340; Apr. 17.
- Mitchell, Robert B., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,680,427; Aug. 14.
- Mitchell, Robert B., assignor to Union Steel Products Company, Albion, Mich. Anchoring element for concrete construction. 1,688,981; Oct. 23.
- Mitchell Specialty Company. (See Knight, Edward R., assignor.)
- Mitchell Specialty Company. (See Mitchell, Ernest R., assignor.)
- Mitchell, Thomas E., Los Angeles, Calif. Pipe coupling. 1,673,338; June 12.
- Mitchell, Walter C., St. Louis, Mo. Smoke consuming or cleaning device. 1,660,804; Feb. 28.
- Mitchell, Walter C., St. Louis, Mo. Steam and liquid control mechanism. 1,689,249; Oct. 30.
- Mitchell, Walter M., Philadelphia, Pa., assignor, by mesne assignments, to Electro Metallurgical Company. Casting articles having chromium-alloy surfaces. 1,677,979; July 24.
- Mitchell, William A., Denison, Tex. Radius finder. 1,674,834; June 26.
- Mitchell, William D., Spartanburg, S. C. Smoke protector. 1,679,839; Aug. 7.
- Mitchell, William J., Waco, Tex. Display box. 1,678,521; July 24.
- Mitchell, Woodbury Company. (See Auvera, Hugo, assignor.)
- Mitchell, Woodbury Company. (See Hatzel, Adolf, assignor.)
- Mitchell, Woodbury Company. (See Phillips, John E., assignor.)
- Mitchinson, Sydney G., Massillon, Ohio. Reversing-gearing mechanism for straw stackers. 1,690,746; Nov. 6.
- Mitchusson, Bedford F., Lexington, Ky., and H. H. Larkins, Glendale, Calif. Vending machine. 1,655,325; Jan. 3.
- Mitro, John R., Kincaid, Ill. Air compressor. 1,679,226; July 31.
- Mitru, Arsenie. (See Borzin, M. H., and Mitru.)
- Mitsubishi Kogyo Kabushiki Kaisha. (See Anjow, Koji, assignor.)
- Mittag, Albert H. (See Alexanderson, E. F. W., and Mittag.)
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Regulator. 1,654,987; Jan. 3.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Regulation of electrical circuits. 1,654,988; Jan. 3.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Power-control apparatus. 1,654,989; Jan. 3.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Radiotelegraphy. 1,675,987; July 3.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,676,990; July 10.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Reproducing position. 1,684,137; Sept. 11.
- Mittasch, Alwin, and C. Müller, Mannheim, and W. Schubardt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of pure iron. 1,663,916; Mar. 27.
- Mitteldeutsche Stahlwerke Aktiengesellschaft. (See Friedrich, Carl, assignor.)
- Mittendorf, Theodor H., assignor to Mid-States Gummed Paper Co., Chicago, Ill. Protecting porcelain and enameled ware. 1,665,215; Apr. 10.
- Mittendorf, Theodor H., assignor to Mid-States Gummed Paper Co., Chicago, Ill. Package and dispenser for gummed tape. 1,687,731; Oct. 16.
- Mittendorf, William R., Cincinnati, assignor, by mesne assignments, to The Watson Experimental Laboratory Company, Dayton, Ohio. Chart for counting and computing scales. 1,672,950; June 12.
- Mittendorf, William R., Cincinnati, assignor, by mesne assignments, to The Watson Experimental Laboratory Company, Dayton, Ohio. Computing scale. 1,672,951; June 12.
- Mittendorf, William R., Cincinnati, assignor, by mesne assignments, to The Watson Experimental Laboratory Company, Dayton, Ohio. Computing scale. 1,672,952; June 12.
- Mitter, Joseph H., Chicago, Ill. Floor construction. 1,664,638; Apr. 3.
- Mitterling, Birt E., Superior, Wis. Float-controlled valve. 1,660,391; Feb. 28.
- Mittinger, George E., Cleveland, Ohio. Keg, barrel, and the like. 1,670,977; May 22.
- Mittinger, George E., Cleveland Heights, Ohio. Metallic head for wooden keys and the like. 1,695,118; Dec. 11.
- Mitton, Robert E., Salt Lake City, Utah. Brake for aeroplanes. 1,658,812; Feb. 14.
- Mitton, Robert E., Salt Lake City, Utah. Rudder-bar retainer. 1,687,732; Oct. 16.
- Mitton, Robert E., Salt Lake City, Utah. Steering, propelling, and braking mechanism for vehicles. 1,688,591; Oct. 23.
- Mitts & Merrill. (See Mitts, P. S., and Winston, assignors.)

- Mitts, Philip S., and W. J. Winston, assignors to Mitts & Merrill, Saginaw, Mich. Disintegrating machine. 1,675,901; July 5.
- Mix, Albert E., Garfield, Utah. Apparatus for casting metal bodies. 1,693,283; Nov. 27.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 77,253; Dec. 18.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-adjusting slide. 1,675,040; June 26.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Strap connection. 1,692,511; Nov. 20.
- Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 1,693,093; Nov. 27.
- Mix, Edwin S., and M. Sachs, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear and making the same. 1,674,835; June 26.
- Mix, Edwin S., and J. R. Whitehouse, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Composite-strip-forming machine. 1,671,042; May 22.
- Mix, Edwin S., and J. R. Whitehouse, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Beveling machine for strip material. 1,692,755; Nov. 20.
- Mix, Frederick H., Brooklyn, N. Y., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Display card. 1,693,246; Nov. 27.
- Mix, William J. (See Mueller, Philip, and L. W., and Mix.)
- Mix, William J., assignor to A. Mueller, trustee, Decatur, Ill. Receptacle-actuated faucet. 1,633,565; Sept. 4.
- Mix, William J., assignor to A. Mueller, trustee, Decatur, Ill. Soap dish. 1,683,566; Sept. 4.
- Mix, William P. (See Mueller, Philip and R. H., and Mix.)
- Miyaguchi, Takeo, Tokyo, Japan. Making ferroboreon and boron-steel. 1,674,119; June 19.
- Miyaoka, Yataro, Spokane, Wash. Buffer for automobiles. 1,686,164; Oct. 2.
- Mize, Albert H., Greenville, S. C. Variable-speed pulley. 1,663,414; Mar. 20.
- Mizer, Joseph J. (See Walker, W. H., Mizer, and Dearsley.)
- Mizzy, Albert D., New York, N. Y. Attachment for artificial teeth upon bridge work. 1,686,625; Oct. 9.
- Moberg, Arthur R., Elmhurst, assignor, by mesne assignments, to National Aluminate Corporation, Chicago, Ill. Treating water. 1,679,777; Aug. 7.
- Mobius, Curt E., Brooklyn, and W. N. Engler, assignors to The Western Union Telegraph Company, New York, N. Y. Cable car. 1,683,578; Sept. 4.
- Mobley, Charles W., Barnesville, Ga. Daily-milk-record cabinet. 1,670,687; May 22.
- Mobley, George J. (See Cole, William A., assignor.)
- Mobley, Henry G., League City, Tex. Pressure-relief apparatus. 1,676,999; July 10.
- Mobley, Ida E., Roslyn, Pa. Sound reproducer. 1,664,988; Apr. 3.
- Moccetti, Ernest, deceased, by L. Moccetti, administratrix, New York, N. Y. Compound structure. 1,638,128; Oct. 16.
- Moccetti, Louise, administratrix. (See Moccetti, Ernest.)
- Moccia, Constant. (See Lanzillotta, F. R., and Moccia.)
- Moccia, Costantino, Lynch Mines, Ky. Talking machine. 1,662,584; Mar. 13.
- Mochel, Norman L., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-blade lashing. 1,695,971; Dec. 18.
- Mock, Frank C., assignor to Stromberg Research Corporation, Chicago, Ill. Controller for vehicle springs. 1,690,546; Nov. 6.
- Mock, Frank C., assignor to Stromberg Research Corporation, Chicago, Ill. Shock absorber. 1,690,692; Nov. 6.
- Mock, Hugo, New York, N. Y. Ice wrapper. 1,655,070; Jan. 3.
- Mock, Hugo, New York, N. Y. Tea bag. 1,677,397; July 17.
- Mock, James C., Detroit, Mich. Railway switch. 1,655,235; Jan. 3.
- Mock, James C., Detroit, Mich. Carrier support for switch and signal rods. 1,681,619; Aug. 21.
- Mock, James C., Detroit, Mich. Rail brace. 1,694,136; Dec. 4.
- Mock, John F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,666,425; Apr. 17.
- Modern Fibre Box Corporation. (See Tisch, William, assignor.)
- Modern Foundry Company. (See Cone, Philip H., assignor.)
- Modern Foundry and Pattern Works. (See Cameto, Leon, assignor.)
- Modern Laundry Machine Manufacturing Company. (See Fedler, Joseph H., assignor.)
- Modern Lighting Fixture Co. (See Di Gaudio, John, assignor.)
- Modern Management Corporation. (See Harnsberger, Harry H., assignor.)
- Modern Pouring Device Co. (See Goldberg, Max W., assignor.)
- Modern, Samuel, and M. Moskowitz, New York, N. Y. Hand grip. Des. 74,383; Feb. 7.
- Modersohn, Fritz, Bergisch-Gladbach, Germany. Arrangement of precombustion-chamber for injection-oil engines. 1,660,424; Feb. 28.
- Modigliani, Gino, assignor to the firm Ing. C. Olivetti & C., Ivrea, Italy. Megneto-electric machine. 1,682,086; Aug. 28.
- Modine, Arthur B., Racine, Wis. Cabinet. Des. 74,692; Mar. 13.
- Modine, Arthur B., Racine, Wis. Heating unit. 1,666,907; Apr. 24.
- Modine, Arthur B., Racine, Wis. Heat-exchange unit. 1,677,457; July 17.
- Modlin, Frank E., Glendale, Calif. Nutcracker. 1,682,681; Aug. 28.
- Moe, Albert J., San Pedro, Calif. Signal-light casing. Des. 74,316; Jan. 24.
- Moebius, Hugo O., Hanover, Germany, assignor to American Miag Corporation, Buffalo, N. Y. Cooling and drying apparatus and process of cement making adapted to be carried on thereby. 1,670,269; May 15.
- Moe-Bridges Company. (See Sutherland, Alexander K., assignor.)
- Moecker, Henry, jr., Homewood, and J. van Es, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Hydrocarbon burner. 1,669,304; May 8.
- Moecker, Henry, jr., Flossmoor, T. Thompson, and O. Hammermeister, Harvey, Ill., assignors to American Stove Company, St. Louis, Mo. Gas-range construction. 1,663,348; Mar. 20.
- Moeller, A. E., Company. (See Moeller, Max E., assignor.)
- Moeller, Max E., assignor to A. E. Moeller Company, Brooklyn, N. Y. Thermometer and making the same. 1,672,851; June 5.
- Moen, John, Fosston, Minn. Chimney cleaner. 1,663,604; Mar. 27.
- Moen, Thorey I., Beloit, Wis. Headlight attachment. 1,671,438; May 29.
- Moers, Kurt. (See Blau, F., Koref, and Moers.)
- Moerschel, George C. (See Mueller, T. G., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt.)
- Moesser, Hugo, New York, N. Y. Alarm device. 1,687,876; Oct. 16.
- Moesta, Marvin W., assignor to Murray Corporation of America, Detroit, Mich. Door construction. 1,657,480; Jan. 31.
- Moesta, Marvin W., assignor to Murray Body Corporation, Detroit, Mich. Door construction. 1,658,732; Feb. 7.
- Moesta, Marvin W., assignor to Murray Body Corporation, Detroit, Mich. Vehicle body construction. 1,679,094; July 31.
- Moetteli, Arnold, Oberwinterthur, Switzerland, assignor, by mesne assignments, to Dry Quenching Equipment Corporation, New York, N. Y. Apparatus for cooling incandescent coke. 1,677,196; July 17.
- Moffat, Clyde A. (See Robison, William H., assignor.)
- Moffat, John H., Indianapolis, Ind. Vehicle parking device. 1,686,460; Oct. 2.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for cup-feed machines. 1,671,439; May 29.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing machines. 1,681,901; Aug. 21.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for sewing machines. 1,689,957; Oct. 30.
- Moffett, Charles W., Flushing, and M. R. Briney, Brook Haven, assignors to Brinard Sales and Construction Company New York, N. Y. Switch heater. 1,664,371; Mar. 27.
- Moffett, George M., New York, N. Y., assignor to International Patents Development Company, Wilmington, Del. Manufacture of starch. 1,655,395; Jan. 3.
- Moffett, Patrick F., Worcester, Mass. Implement for teaching fingering. 1,666,464; Apr. 17.
- Moffit, Thomas O., Chicago, Ill., and R. K. Braunsdorff, Newark, N. J., assignor to General Electric Company. Precision-basing machine for incandescent lamps and similar articles. 1,687,504; Oct. 16.
- Moffitt, John A., New Haven, Conn. Toy railroad. 1,679,911; Aug. 7.
- Mögel, Ernst, Meissen-on-the-Elbe, Germany, assignor to the firm Aktiengesellschaft für Cartonnagenindustrie, Dresden, Germany. Apparatus for the grooving of cardboard. 1,687,683; Oct. 16.
- Mogensen, Hans P., East Hampton, Conn. Wheeled toy. Des. 75,277; May 22.
- Mogford, Edmund C., Buchanan, and F. W. Burger, Niles, assignors to Clark Equipment Company, Buchanan, Mich. Making metal wheels. 1,691,163; Nov. 13.
- Mohawk Carpet Mills, Inc. (See Crossland, George, assignor.)
- Mohawk Corporation of Illinois. (See Chamberlain, Paul A., assignor.)
- Mohawk Rubber Company, The. (See Benn, Kit C., assignor.)
- Mohl, John C., et al. (See Field, Marshall S., assignor.)
- Möhl, Steffen, Copenhagen, Denmark. Hydraulic change-speed gearing. 1,682,303; Aug. 28.

- Mohler, Charles M., Ypsilanti, Mich. Repairman's creeper. 1,659,829; Feb. 21.
- Mohler, Martin J., Wyoming, Del. Governor and water circulator. 1,661,903; Mar. 6.
- Mohler, Valentin J., assignor, by mesne assignments, of twenty-five one-hundred-and-fourths to N. T. Hoos, one one-hundred-and-fourth to M. E. Mohr, twenty-five one-hundred-and-fourths to R. B. Walten, and four one-hundred-and-fourths to M. G. Schanberger, Baltimore, Md., twenty-five one-hundred-and-fourths to C. F. Moore, Washington, D. C., and twenty-four one-hundred-and-fourths to J. M. Matthews, Baltimore County, Md. Safety-razor-blade stropper casing. Des. 74,516; Feb. 21.
- Mohler, Valentine J., Wheaton, assignor, by mesne assignments, to The Liquid Carbonic Corporation, Chicago, Ill. Bottle-crowning machine. 1,687,303; Oct. 9.
- Mohn, Rudolf, Sulgen, assignor to W. Müller, St. Gallen, Switzerland. Machine for applying adhesive stamps to envelopes and the like. 1,661,005; Feb. 28.
- Mohr, Erwin J., assignor to The Kinite Company, Milwaukee, Wis. Composite cast tool and production thereof. 1,659,781; Feb. 21.
- Mohr, Hartwig, Brooklyn, N. Y. Swimming device. 1,675,372; July 3.
- Mohr, John D., Newark, N. J. Trick automobile. 1,682,764; Sept. 4.
- Mohr, Mabel E. (See Mohler, Valentin J., assignor.)
- Mohr, Wilhelm, Dolau, near Halle, Germany. Machine for dividing and working dough. 1,664,372; Mar. 27.
- Möhrle, Arthur, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electrical condenser. 1,694,276; Dec. 4.
- Mohun, John L., Omaha, Nebr. Collapsible-tube squeezer. 1,654,549; Jan. 3.
- Moineau, Hector E., Marlboro, Mass. Method of and apparatus for electrobrazing. 1,660,805; Feb. 28.
- Moineau, René J. L., Paris, France. Flying machine. 1,656,492; Jan. 17.
- Moir, William A., Halifax, Nova Scotia, Canada. Confection-coating machine. 1,687,947; Oct. 16.
- Mojoonnier Bros. Co. (See Mojoonnier, Julius J., assignor.)
- Mojoonnier, Julius J., Oak Park, Ill., assignor to Mojoonnier Bros. Co. Conveyor port. 1,692,851; Nov. 27.
- Mokma, Frederic, Sand Creek, Mich. Windshield wiper. 1,675,816; July 3.
- Mokrejs, John, New York, N. Y. Stopping mechanism for stringed musical instruments. 1,693,560; Nov. 20.
- Molander, Alfred, St. Paul, Minn. Rock crusher. 1,660,652; Feb. 28.
- Molby, Walter D., Baldwin City, Kans. Inclined revolving teeter. 1,690,590; Nov. 6.
- Molded Socket Corporation. (See Hohl, John, assignor.)
- Molded Socket Corporation. (See Wells, Burling D., assignor.)
- Moldenke, Edel, Harrisonburg, Va., assignor to Moldenke Process Corporation, Watchung, N. J. Apparatus for treating aluminous materials. 1,658,457; Feb. 7.
- Moldenke Process Corporation. (See Moldenke, Edel, assignor.)
- Moldenke, Richard, Watchung, assignor to New Process Multi-Castings Company, Irvington, N. J. Using direct metal from blast furnaces. 1,691,401; Nov. 13.
- Moler, Abraham L., assignor of one-half to J. W. Small, Richmond, Va. Journal-lubricating device. 1,668,082; May 1.
- Moler, Abraham L., assignor of one-half to J. W. Small, Richmond, Va. Lubricating device. 1,668,083; May 1.
- Molin, Adolf G., Stockholm, Sweden. Sizing apparatus for coke or the like. 1,677,838, July 17.
- Moline Implement Company. (See Bechtelheimer, H. A., and Corbin, assignors.)
- Moline Implement Company. (See Boda, Joseph E., assignor.)
- Moline Implement Company. (See Corbin, Henry P., assignor.)
- Moline Implement Company. (See Seaholm, John P., assignor.)
- Moline Iron Works. (See Hauerwas, Fred, assignor.)
- Moline Tool Company. (See Hunt, Wilson P., assignor.)
- Moline, Wesley J., Rock Island, Ill. Joint for devices for cleaning furnace flues. 1,656,950; Jan. 24.
- Molinelli, Charles M., New York, N. Y. Stair-covering apparatus. 1,684,328; Sept. 11.
- Molinghen, Emile, and J. Gaye, Brussels, Belgium. Apparatus for acidulating textile and other materials. 1,674,786; June 26.
- Molins, Walter E., Deptford, London, England. Sheet-delivering apparatus for use with printing, cutting, and the like machines. 1,656,285; Jan. 17.
- Molins, Walter E., Deptford, London, England. Feeding apparatus for cigarettes and like articles. 1,668,693; May 8.
- Molins, Walter E., Deptford, London, England. Device for intaglio printing. 1,672,073; June 5.
- Molins, Walter E., Deptford, London, England. Cigarette-wrapping machine and method. 1,673,524; June 12.
- Molins, Walter E., Deptford, London, England. Printing apparatus for use with cigarette machinery. 1,677,679; July 17.
- Molins, Walter E., Deptford, London, England. Cigarette machinery. 1,677,680; July 17.
- Molins, Walter E., Deptford, London, England. Wrapping machinery. 1,683,789; Sept. 11.
- Molins, Walter E., Deptford, London, England. Apparatus for feeding cigarettes and articles of a similar shape. 1,688,982; Oct. 23.
- Molins, Walter E., London, England. Automatic cigarette-packing machine. 1,673,263; June 12.
- Molins, Walter E., London, England. Wrapping of cigarettes and other articles. 1,686,290; Oct. 2.
- Molins, Walter E., and C. Best, London, England. Printing machinery. 1,694,038; Dec. 4.
- Molique, George J. A., Granite City, Ill. Clothesline holder. 1,674,559; June 19.
- Moll Manufacturing Company. (See Campbell, Carleton W., assignor.)
- Moll, Otto G., Detroit, Mich. Combined primer, fuel economizer, and humidifier. 1,688,343; Oct. 23.
- Moll, Walter, assignor to F. W. Goedeke, Evansville, Ind. Stove and oven door. 1,677,286; July 17.
- Möller, Adolf D. (See Matthiessen, P., and Möller.)
- Möller, Carl F., Oslo, Norway. Potato digger and separator. 1,692,343; Nov. 20.
- Moller, Edward M. (See Benedict, H. A., and Moller.)
- Möller, Franz, Zella-Mehlis, M. Moritz, and A. Gerstenberger, Chemnitz, Germany. Scaring pistol. 1,666,579; Apr. 17.
- Möller, Fritz, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Rolling mill. 1,656,748; Jan. 17.
- Möller, Rudolf, Jena, Germany. Automatic charging hopper for receptacles especially for producers. 1,670,203; May 15.
- Moller, Wilhelm, Upper Darby, Pa., assignor to Front Wheel Control Inc., Philadelphia, Pa. Steadying device for vehicle wheels. 1,656,566; Jan. 17.
- Mollett, Errol M., Sacramento, Calif. Rotary electric engine. 1,691,853; Nov. 13.
- Mollnow, Edward A., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Nut tapper. 1,656,286; Jan. 17.
- Molnar, Emery, Flemington, N. J. Shade for automobile headlight. 1,687,256; Oct. 9.
- Molnar, Zoltan, Welland, Ontario, Canada, assignor of one-fourth to M. S. Czorboy and one-fourth to M. Grebecz. Automatic railroad gate. 1,676,960; July 10.
- Molnar, Albert G., Albion, Mich. Hand-symbol signal. 1,682,233; Aug. 28.
- Moloney, Patrick J., San Francisco, Calif. Receiving loop. 1,660,718; Feb. 28.
- Molsdale, Theodore C., Chattanooga, Tenn. Seesaw. 1,695,737; Dec. 18.
- Molstad, Carl, Newfolden, Minn. Cleaner for skimming disks of cream separators. 1,688,244; Oct. 16.
- Moltrup, James T., Beaver Falls, Pa. Die and drawing shapes. 1,692,902; Nov. 27.
- Molybdenum Corporation of America. (See Lucas, Emil A., assignor.)
- Molyneux, George E., Bayonne, N. J., assignor to United Shoe Machinery Corporation, Boston, Mass. Machine for operating on pieces of sheet material. 1,694,787; Dec. 11.
- Molz, Emil, Halle-on-the-Saale, assignor to Chemische Fabrik Ludwig Meyer, Mayence, Germany. Dry fungicide. 1,685,715; Sept. 25.
- Molz, Joseph, Oberhausen, Germany, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Ring mill. 1,693,247; Nov. 27.
- Monaco, Antonio, Elmhurst, N. Y. Cutting machine. 1,670,688; May 22.
- Monahan, Joseph H., Worcester, Mass. Belt attachment. 1,666,975; Apr. 24.
- Monarch Foundry Company. (See Noack, Edward H., assignor.)
- Monarch Foundry Company. (See Yount, Willis H., assignor.)
- Monarch Governor Company. (See Anderson, James W., assignor.)
- Monarch Machine Tool Company, The. (See Dull, Fred C., assignor.)
- Monarch Marking System, The. (See Kohnle, Frederick, assignor.)
- Monarch Metal Products Company. (See Lane, Alfred M., assignor.)
- Monarch Refillable Fuse Company. (See Lear, Max M., assignor.)
- Monarch-Welder Machine Company, The. (See Holstein, Charles W., assignor.)
- Monard, Alfred, assignor to Societe l'Aster, Paris, France. Liquid meter. 1,660,623; Feb. 28.
- Monerleiff, Robert D., Kingston, Ontario, Canada. Knockdown table. 1,662,121; Mar. 13.
- Mond, Albert, London, England. Radiator for motor cars and the like. 1,696,810; Dec. 25.
- Mondl, Adolph M., Oshkosh, Wis. Aviation cap. 1,687,346; Oct. 9.
- Mondloch, John B., assignor of one-half to Cold Spring Granite Company, Cold Spring, Minn. Automatic slide cover. 1,679,912; Aug. 7.
- Monetti, Michael, Newark, N. J. Fender brace. 1,657,759; Jan. 31.
- Moneuse, Alphonse F., Valley Stream, N. Y. Water heater. 1,681,305; Aug. 21.
- Monforts, Joseph, Munich-Gladbach, Germany. Shearing machine. 1,661,617; Mar. 6.
- Monforts, Joseph, Munich-Gladbach, Germany. Fabric-shearing machine. 1,678,572; July 24.
- Monzeau, Fred D., Dearborn, Mich. Burnishing tool. 1,683,044; Sept. 4.

- Monger, Clayton C., assignor of one-third to J. S. J. Lyell, Camden, Ark. Treating emulsified oils. 1,660,280; Feb. 21.
- Monitor Controller Company. (See Whittingham, George H., assignor.)
- Monk, Reginald H., Montreal, Quebec, Canada. Obtaining titanium oxide. 1,695,324; Dec. 18.
- Monk, Travis B., Chicago, Ill. Window-washing device. 1,691,164; Nov. 13.
- Monnett Company. (See Monnett, Richard J., assignor.)
- Monnett, Richard J., St. Louis, Mo., assignor to Monnett Company, El Dorado, Ark. Safety appliance for inflammable material containers. 1,686,918; Oct. 9.
- Monnot, John F., Mill Hill, England. Apparatus for cleaning the wind screens of motor-propelled vehicles. 1,656,921; Jan. 24.
- Monnot, Robert, Clichy, France. Grease-gun-filling device. 1,689,360; Oct. 30.
- Monolith Hollow Wall Company. (See Marten, Elmer W., assignor.)
- Monosmith, Clayton E. and D. J., Spencer, and O. B. Monosmith, Lorain, assignors of one-fourth to G. W. Saywell, Cleveland, Ohio. Carburetor. 1,666,296; Apr. 17.
- Monosmith, David J. (See Monosmith, Clayton E., D. J., and O. B.)
- Monosmith, Olney B. (See Monosmith, Clayton E., D. J., and O. B.)
- Monroe Auto Equipment Manufacturing Co. (See Myers, Don D., assignor.)
- Monroe Calculating Machine Company. (See Chase, George C., assignor.)
- Monroe Embroidery Works. (See Walder, John, assignor.)
- Monroe, Helen G., Santa Barbara, Calif. Pitcher. Des. 75,860; July 24.
- Monroe, Karl W., North Arlington, N. J., assignor, by mesne assignments, to Du Pont Viscoid Company. Making compound cellulose-ester plastic. 1,657,172; Jan. 24.
- Monroe, Kenneth P., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making tetra-alkyl lead. 1,661,809; Mar. 6.
- Monroe, Kenneth P., Penns Grove, N. J., and K. Williams, Old Hickory, Tenn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing tetra-alkyl lead. 1,661,810; Mar. 6.
- Monroe-Louisiana Carbon Company. (See Matlock, Chauncey, assignor.)
- Monroe, Robert J. (See Jaffe, J. L., and Monroe.)
- Monroe, Verne, Cameron, W. Va. Hook. 1,672,390; June 5.
- Monroe, Will K., Cleveland, Ohio. Clutch. 1,669,878; May 15.
- Monroe, William H., Colfax, Iowa. Heater for incubators. 1,663,057; Mar. 20.
- Monroe, William S., Chicago, Ill. Power generating system having air heater. 1,656,985; Jan. 24.
- Monsarrat, Charles A. Louis, Riviere du Loup, Quebec, Canada. Plow. 1,681,423; Aug. 21.
- Monsees, Cuban, A., Brownsville, Tex. Shoe rack. 1,692,681; Nov. 20.
- Monsen, Adolph, Logansport, Ind. Vehicle steering gear. 1,672,334; June 5.
- Monson, Axel, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Ejector for coin-handling machines. 1,692,561; Nov. 20.
- Monson, Leigh J. (See Lee, Charles H., assignor.)
- Monson, Martin B., Jefferson County, assignor to The Moro Plow & Manufacturing Company, Denver, Colo. Tractor-supported plowing attachment. 1,670,270; May 15.
- Montague City Rod Company. (See Bennett, Raymond B., assignor.)
- Montague, Henry C., Washington, D. C. Shoe-tree. 1,675,224; June 26.
- Montague, Henry C., Washington, D. C. Garment bag. 1,695,661; Dec. 18.
- Montan and Industrialwerke vormals Joh. Dav. Starck. (See Szűcs, Josef, assignor.)
- Montante, Bonifacio, San Luis Potosi, Mexico. Supplemental outsole for shoes. 1,662,756; Mar. 13.
- Montalegre, Hasel M., Iola, Kans. Hair waver. 1,684,774; Sept. 18.
- Monteil, Bertrand, assignor to Delta Co., Soleure, Switzerland. Manufacturing electric contact plugs. 1,671,540; May 29.
- Monteith, Charles N., assignor to Boeing Airplane Company, Seattle, Wash. Retractable light for aircraft. 1,694,889; Dec. 11.
- Montelius, Carl O. J., Stockholm, Sweden. Rotary pump, motor, meter, or the like. 1,677,980; July 24.
- Monte Lloyd Corporation. (See Pratt, Norman F., assignor.)
- Montels, Adrien, Buenos Aires, Argentina. Fly net for horses. 1,677,839; July 17.
- Montgomery, Albert B., New Haven, Conn. Stand. Des. 74,693; Mar. 13.
- Montgomery, Alvin E., Oak Park, Ill. Paper drying and apparatus therefor. 1,691,930; Nov. 20.
- Montgomery, Donn H., Denver, Colo. Automobile headlight and control therefor. 1,654,696; Jan. 3.
- Montgomery, Fred W., North St. Paul, Minn. Spring wheel. 1,665,558; Apr. 10.
- Montgomery, Gustavus A., Titusville, Pa. Drilling appliance. 1,659,327; Feb. 14.
- Montgomery, Gustavus A., assignor to Titusville Forge Co., Titusville, Pa. Pipe wrench. 1,661,229; Mar. 6.
- Montgomery, Gustavus A., Titusville, Pa. Casing elevator. 1,664,461; Apr. 3.
- Montgomery, Gustavus A., Titusville, Pa. Bed for vehicles. 1,674,215; June 19.
- Montgomery, Gustavus A., assignor to Titusville Forge Company, Titusville, Pa. Combined casing spider and elevator. 1,676,275; July 10.
- Montgomery, Harris C. (See Hazel, C. E., and Montgomery.)
- Montgomery, Herbert D., New York, N. Y. Thermostatically-controlled circuit closer. 1,685,136; Sept. 25.
- Montgomery, James W., Seattle, Wash. Fan lifter. 1,670,732; May 22.
- Montgomery, Jay H. (See Burton, E. F., and Montgomery.)
- Montgomery, John L., Stoneham, Mass. Shade-supporting bracket. 1,665,929; Apr. 10.
- Montgomery, Leonard W., Amarillo, Tex. Automobile snubber. 1,688,592; Oct. 23.
- Montgomery, Leon F., Portland, Ind., assignor of one-half to H. C. Mayers, Cleveland, Ohio. Fabricated shoe sole. 1,674,560; June 19.
- Montgomery, Robert H., executor. (See Braddock, Edward I.)
- Montgomery, Robert J., Rochester, N. Y., assignor to Bausch & Lomb Optical Company. Optical glass. 1,681,704; Aug. 21.
- Montgomery, Wallace, Central Miranda, Cuba, assignor to Edge Moor Iron Company, Edge Moor, Del. Bagasse handling. 1,677,725; July 17.
- Montgomery Ward & Co. (See Bell, James M., assignor.)
- Montgomery Ward & Company. (See Heaton, Nathan C., assignor.)
- Montgomery Ward & Co. (See Tedell, John, assignor.)
- Montgomery Ward & Company. (See Tharp, Charles H., assignor.)
- Montgomery, William J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Ventilating apparatus. 1,665,039; Apr. 3.
- Montgomery, William J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Ventilating apparatus. 1,665,174; Apr. 3.
- Montine, Joseph F., Chicago, Ill. Shoe. 1,655,326; Jan. 3.
- Montreuil, Frank H., Chicago, Ill., assignor to Warren Webster & Company. Apparatus for cooking and other purposes. 1,692,682; Nov. 20.
- Montrose, Thomas W., Jersey City, N. J. Radio log and program device. 1,680,164; Aug. 7.
- Montsinger, Vincent M., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,677,681; July 17.
- Monty, Henry J., Lowell, Mass. Two-section picker. 1,672,536; June 5.
- Moody, Howard N., New Orleans, La. Submerged mattress and screen-pole securing device. 1,658,609; Feb. 7.
- Moody, Joseph F., Tulsa, Okla. Oil-well elevator. 1,685,713; Sept. 25.
- Moody, Julius C., and L. F. Hoffman, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure-control device. 1,682,848; Sept. 4.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,656,889; Jan. 17.
- Moody, Lewis F., Philadelphia, Pa. High-speed impulse turbine. 1,681,705; Aug. 21.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,681,706; Aug. 21.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,683,567; Sept. 4.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,688,736; Oct. 23.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic turbine. 1,690,237; Nov. 6.
- Moody, Lewis F., Philadelphia, Pa. Propeller-type turbine or pump. 1,694,481; Dec. 11.
- Moody, Lewis F., Philadelphia, Pa. Hydraulic draft tube. 1,695,200; Dec. 11.
- Moody, Mark H. (See Talbert, Earl J., assignor.)
- Moody, Perrin N., Gilliam, Mo. Cultivator. 1,690,790; Nov. 6.
- Moody, Virgil H., and C. W. Kempton, Gloucester, Ohio. Window-curtain fitting. 1,683,568; Sept. 4.
- Moody, Walter S., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 1,688,737; Oct. 23.
- Moody, William C. (See Winstead, M. A., Reid, and Moody.)
- Mook, Charles O., Kansas City, Mo., assignor to The Gilchrist Company, Newark, N. J. Scraper for ice-cream dishers. 1,667,734; May 1.
- Moon, Arter S., San Francisco, Calif. Electric contact device. 1,674,604; June 19.
- Moon, Asa E., Scranton, Pa. Device to determine size of yarn packages. 1,679,368; Aug. 7.
- Moon, Claborn E., Franklinville, assignor of one-half to A. A. Lewis, Greensboro, N. C. Adjustable gear wheel. 1,687,987; Oct. 16.
- Moon, Edward W., assignor of twenty per cent to C. B. Kaskell and twenty per cent to L. F. Kirk, Youngstown, N. Y. Electrical cut-out. 1,657,969; Jan. 31.
- Moon, John C., St. Louis, Mo. Dust collector. 1,684,067; Sept. 11.

- Moon, John C., St. Louis, Mo. Dust collector. 1,684,068; Sept. 11.
- Moon, John W., assignor to Fretz-Moon Tube Company, Butler, Pa. Machine for cutting to length continuously tubing. 1,681,306; Aug. 21.
- Moon, O. P., administrator. (See Wrenn, Henry B. P.)
- Moon, Sampson W., Chicago, Ill. Electric safety razor. 1,663,809; Mar. 27.
- Mooney, Frank H., Chicago, Ill. Golf bag. 1,683,838; Sept. 11.
- Mooney, Harry V. (See Hicks, W. W., and Mooney.)
- Mooney, Harry V., Seattle, Wash., and W. W. Hicks, San Francisco, Calif. Drying system. 1,683,984; Sept. 11.
- Mooney, Henry L. (See Ferguson, J. E., and Mooney.)
- Mooney, Raymond. (See Appleton, E. G., Fischer, and Mooney.)
- Mooney, William C., Oklahoma City, Okla., assignor to K. M. Tracy, Normandy, Mo. Protector for athletes. 1,657,866; Jan. 31.
- Moor, Forest G. (See Fitch, C. M., and Moor.)
- Moore, Anthony T., New Haven, assignor to Perrys Incorporated, Waterbury, Conn. Laundry-classifying table. 1,677,648; July 17.
- Moore, Arlington, Worcester, Mass. Paper milk bottle. 1,656,645; Jan. 17.
- Moore, Arlington, Worcester, Mass. Paper container having body with renitent neck and making same. 1,685,370; Sept. 25.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Double-passage antidetonation cylinder head for internal-combustion engines. 1,656,358; Jan. 17.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Turbine-vaned antidetonation cylinder head for internal-combustion engines. 1,656,359; Jan. 17.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Antidetonation piston construction for internal-combustion engines. 1,656,360; Jan. 17.
- Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Gyrat wheel. 1,673,774; June 12.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Antidetonation piston-head formation for internal-combustion engines. 1,673,775; June 12.
- Moore, Arlington, New York, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Water-cooled interior agitator for internal-combustion engines. 1,673,776; June 12.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Combustion chamber for internal-combustion engines. 1,678,348; July 24.
- Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Antidetonating cylinder head for internal-combustion engines. 1,678,349; July 24.
- Moore, Arlington, Boston, Mass., assignor to Clarke-Moore Corporation, Wilmington, Del. Paper container. 1,662,277; Mar. 13.
- Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Multiple-ply sanitary metal can. 1,693,956; Dec. 4.
- Moore, Baldy S., Venice, and W. F. Adams, Long Beach, Calif. Amusement device. 1,660,012; Feb. 21.
- Moore, Benjamin R., assignor to Dodge Brothers, Inc., Hamtramck, Detroit, Mich. Car loading. 1,680,165; Aug. 7.
- Moore, Bernard J., Stoke-on-Trent, and A. J. Campbell, Stone, assignors of one-half to Gibbons Brothers Limited, Dudley, England. Truck. 1,694,749; Dec. 11.
- Moore Brothers Company. (See Dabrowski, Joseph M., assignor.)
- Moore Brothers Company. (See Dibble, Claude M., assignor.)
- Moore Brothers Company. (See Moore, L., and Dibble, as signors.)
- Moore, Callie F. (See Mohler, Valentin J., assignor.)
- Moore, Charles A., Edina, Minn. Refrigerator. 1,661,671; Mar. 6.
- Moore, Charles A., St. Paul, Minn. Ventilating device. 1,672,272; June 5.
- Moore, Charles A., Edina, Minn. Refrigerating and air-circulating system. 1,678,678; July 31.
- Moore, Charles A., Edina, Minn. Air-conditioning system. 1,693,855; Dec. 4.
- Moore, Charles A., Edina, Minn. System for conditioning air in storage chambers. 1,693,856; Dec. 4.
- Moore, Charles F., and C. H. Stubbs, assignors to The Dampney Company of America, Boston, Mass. Tube-coating apparatus. 1,671,374; May 29.
- Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaker receiver. 1,658,349; Feb. 7.
- Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone transmitter. 1,661,006; Feb. 28.
- Moore, Charles R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direct-current-transforming apparatus. 1,668,654; May 8.
- Moore, Charles R., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound radiator. 1,690,421; Nov. 6.
- Moore, Charles W., assignor to The Moore Flange Corporation, New York, N. Y. Seal. 1,676,276; July 10.
- Moore, Chester E., assignor of one-half to E. S. Peer, Los Angeles, Calif. Attachment for kites and the like. 1,655,794; Jan. 10.
- Moore, Clarence P., Philadelphia, Pa. Paper punch. 1,669,344; May 8.
- Moore, Clarence W., Roslyn, assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Elevating mechanism. 1,656,749; Jan. 17.
- Moore, Clifton E., assignor of one-half to W. H. Dangel, L. D. Woodruff, and M. W. Dangel, Chicago, Ill. Flying machine. 1,656,600; Jan. 17.
- Moore, Daniel E., Chicago, Ill., assignor to Central Radio Laboratories. Rheostat. 1,660,879; Feb. 28.
- Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Method and apparatus for maintaining gaseous conduction discharges. 1,658,568; Feb. 7.
- Moore, Daniel M., East Orange, N. J., assignor to General Electric Company. Electric discharge device. 1,677,000; July 10.
- Moore Drop Forging Company. (See Benner, Stanley J., assignor.)
- Moore Dry Kiln Company. (See Cobb, J. Forrest, assignor.)
- Moore Dry Kiln Company. (See Creighton, F. M., and Gray, assignors.)
- Moore, Edgar D., Cleveland, Ohio. Circuit breaker. 1,670,121; May 15.
- Moore, Edgar H., Chicago, Ill., and C. B. Surratt, Dresden, Tenn. Dispensing device. 1,669,624; May 15.
- Moore, Edward L. (See Hanson, Bennie P., assignor.)
- Moore, Elmer E., assignor of forty-nine per cent to J. Sweeney, Martins Ferry, Ohio. Curtain-rod and shade holder. 1,693,312; Nov. 27.
- Moore Fabric Company. (See Moore, John V., assignor.)
- Moore Flange Corporation, The. (See Moore, Charles W., assignor.)
- Moore, Ford H., Kansas City, Mo. Fuel-oil burner. 1,686,833; Oct. 9.
- Moore, Frank J. (See Becker, Frank J., assignor.)
- Moore, Frank R., Grand Junction, Colo. Folding bed. 1,693,795; Dec. 4.
- Moore, Frank S. (See Smitley, L. E., and Moore.)
- Moore, George A., Medford, Mass. Display card for tools. 1,670,204; May 15.
- Moore, George A., Medford, Mass. Sundial. 1,670,205; May 15.
- Moore, George B., Tiffin, and H. M. Adams, Bloomdale, Ohio. Casket truck. 1,668,282; May 1.
- Moore, George C., Westerly, R. I. Garment supporter. 1,667,432; Apr. 24.
- Moore, George E., Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Turntable trolley and hoisting mechanism for cranes. 1,670,733; May 22.
- Moore, George E., Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Electric hoist. 1,670,734; May 22.
- Moore, George E., assignor, by mesne assignments, to Shaw Crane-Putnam Machine Co. Inc., Muskegon, Mich. Crane. 1,671,252; May 29.
- Moore, George L., Chicago, Ill. Pumping lubricating cup. 1,666,502; Apr. 17.
- Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 1,678,404; July 24.
- Moore, George N., New York, N. Y. Hydro teeth cleanser. 1,692,047; Nov. 20.
- Moore, Harry G., et al. (See Tangeman, William H., assignor.)
- Moore, Harry M., Elmira, Mo. Fence-wire structure. 1,664,785; Apr. 3.
- Moore, Harvie L., Petersburg, Va. Suitcase. 1,657,269; Jan. 24.
- Moore, Henry A. (See Stuart, T. F., and Moore.)
- Moore, Henry W., Hingham, Mass., assignor to D. M. Baker, doing business as Cape Cod Shop, New York, N. Y. Tankard. Des. 75,743; July 10.
- Moore Inventions Corporation. (See Moore, Arlington, assignor.)
- Moore, Jacob P., McAllen, Tex. Store fixture. 1,686,291; Oct. 2.
- Moore, James, Burmah, British India, assignor to The Burmah Oil Company Limited, Glasgow, Scotland. Apparatus for cooling oil or other liquids. 1,678,070; July 24.
- Moore, James D. (See Campbell, James H., assignor.)
- Moore, James S., assignor to The Edwin F. Guth Company, St. Louis, Mo. Globe for lighting fixtures. Des. 75,508; June 12.
- Moore, James S., assignor to The Edwin F. Guth Company, St. Louis, Mo. Globe for lighting fixtures. Des. 75,509; June 12.
- Moore, James S., assignor to The Edwin F. Guth Company, St. Louis, Mo. Globe for lighting fixtures. Des. 75,637; June 26.
- Moore, John E., assignor to Standard Oil Company, Whiting, Ind. Breather bag. 1,681,676; Aug. 21.
- Moore, John J., South Charleston, Ohio. Bandage roller, cutter, and cabinet. 1,687,031; Oct. 9.

- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Curvilinear fabric. 1,677,042; July 10.
- Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Tubular gauze fabric. 1,677,398; July 17.
- Moore, Lee C., & Company. (See McEwen, John D., assignor.)
- Moore, Lewis, and C. M. Dibble, assignors to Moore Brothers Company, Joliet, Ill. Reversible stove. 1,689,447; Oct. 30.
- Moore, Lou Q., Pueblo, Colo. Car seal. 1,688,738; Oct. 23.
- Moore, Lou Q., Pueblo, Colo. Car seal. 1,688,739; Oct. 23.
- Moore, Marguerite E., New York, N. Y. Stake retainer or the like. Des. 74,892; Apr. 10.
- Moore and Moore, Inc. (See Festary, Jose D., assignor.)
- Moore, Pascal B., New York, N. Y. Lamp shade. 1,687,733; Oct. 16.
- Moore, Ralph S., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Bin gate. 1,666,908; Apr. 24.
- Moore, Raymond H. (See Rich, E. A., jr., and Moore.)
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Latch. 1,680,564; Aug. 14.
- Moore, Raymond G., and A. Claud-Mantle, assignors to The Bassick Company, Bridgeport, Conn. Latch. 1,676,867; July 10.
- Moore, Raymond H. (See Minich, V. E., Rich, and Moore.)
- Moore, Raymond H., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Sand-blast apparatus and process. 1,692,948; Nov. 27.
- Moore, Richard, et al., trustees. (See Smith, William J., assignor.)
- Moore, Richard S., Snyder, Tex. Cotton chopper. 1,684,711; Sept. 18.
- Moore, Roscoe M., Stanford, Mont. Windmill regulator. 1,672,769; June 5.
- Moore, Roscoe S., Portland, Oreg. Air purifier and cooler. 1,654,826; Jan. 3.
- Moore, Roswell A., and J. R. La Vigne, assignors to Waterbury Buckle Co., Waterbury, Conn. Slide buckle. 1,678,264; July 24.
- Moore, Roy S., et al. (See Sherrod, Robert L., assignor.)
- Moore, Samuel, assignor of two-ninths to R. T. Wise, Cleveland, Ohio, two-ninths to W. Miller, and one-third to C. H. Snider, Fairmount, W. Va. Vehicle headlight mechanism. 1,658,534; Feb. 7.
- Moore, Samuel, assignor of one-third to R. T. Wise, Cleveland, Ohio, and one-third to W. Miller, Fairmount, W. Va. Locomotive headlight. 1,659,328; Feb. 14.
- Moore, Stuart B., Pineville, Ky. Invisible-track highway. 1,674,787; June 26.
- Moore, Stuart B., La Porte, Tex. Girder. 1,686,461; Oct. 2.
- Moore, T. F., Company, The. (See Vergeer, Albert W. P., assignor.)
- Moore, Thomas A., Eldon, Iowa. Cultivator. 1,665,559; Apr. 10.
- Moore, Thomas F., Morris Plains, N. J. Well point. 1,657,684; Jan. 31.
- Moore, Thomas M., Chicago, Ill. Yielding fastener. 1,679,620; Aug. 7.
- Moore, Virgil, Tulsa, Okla. Autoplane. 1,674,338; June 19.
- Moore, Wallace F. (See Shaw, D., and Moore.)
- Moore, Wallace F., Meriden, assignor to The American Hardware Corporation, New Britain, Conn. Door closer. 1,678,701; July 31.
- Moore & White Company, The. (See White, Joseph A., assignor.)
- Moore, Whitley B., assignor to The Timkin Roller Bearing Company, Canton, Ohio. Conveyer roller. 1,689,496; Oct. 30.
- Moore, William D. (See Smith, M. D., Morgan, and Moore.)
- Moore, William D., and W. Morgan, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Centrifugal casting machine (weighing mechanism). 1,693,654; Dec. 4.
- Moore, William D., J. B. Loring, and W. J. Bowers, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Apparatus for marking pipes. 1,695,855; Dec. 18.
- Moore, William E., Pittsburgh, Pa., assignor to Pittsburgh Research Corporation. Electric furnace and carbonizing metallic charges therein. 1,674,982; June 26.
- Moore, William G., Lankershim, Calif. Ribbon safety razor. 1,682,794; Sept. 4.
- Moore, William M. (See Heiner, L. K., and Moore.)
- Moore, William W., et al. (See Crane, Samuel G., assignor.)
- Moorehead, James W., Zelenople, Pa. Applicator for brake-dressing compounds. 1,672,726; June 5.
- Mooser, Thaddeus B., Charleston, S. C. Rheostat. 1,685,714; Sept. 25.
- Mooses, Charles H., assignor to Moores & Dunford, Inc., New York, N. Y. Transfer car for moving boxes in warehouses and the like. 1,675,722; July 3.
- Moores & Dunford, Inc. (See Moores, Charles H., assignor.)
- Moores, Joel, Norwood, assignor to The J. H. Day Company, Cincinnati, Ohio. Cake forming and depositing machine. 1,696,099; Dec. 18.
- Moorhead, Ernest C., Stamford, Conn. Apparatus for molding cores. 1,664,260; Mar. 27.
- Moorhead, Thomas E. (See Senger, J. W., Reed, and Moorhead.)
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Carrier. 1,658,295; Feb. 7.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle brake. 1,665,376; Apr. 10.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,682,792; Sept. 4.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,682,793; Sept. 4.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle lamp. 1,687,877; Oct. 16.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,687,878; Oct. 16.
- Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Brake-operating mechanism. 1,688,740; Oct. 23.
- Moorhouse, Louis B., Toledo, Ohio. Generating water gas. 1,660,202; Feb. 21.
- Moorhouse, Samuel, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England. Doffing apparatus for spinning, doubling, twisting, and like machines. 1,683,839; Sept. 11.
- Moormann, Thomas A., assignor to Kinite Corporation, Milwaukee, Wis. Steel alloy and making the same. 1,659,661; Feb. 21.
- Moors, George F., assignor to Recip-Roto Engine Company, St. Louis, Mo. Burner. 1,676,501; July 10.
- Moors, Sue Y. (See Moors, Walter C., assignor.)
- Moors, Walter C., deceased; W. Y. Moors, administrator, assignor to S. Y. Moors, Owensboro, Ky. Ironing table. 1,689,887; Oct. 30.
- Moors, Walter X., administrator. (See Moors, Walter C.)
- Mootz, Herman H. (See Shidler, A. L., and Mootz.)
- Morahan, Grace S., Sag Harbor, N. Y. Doll. Des. 77,181; Dec. 11.
- Moraine Products Company. (See Davis, J. H., and Valentine, assignors.)
- Moraine Products Company. (See Valentine, Albert H., assignor.)
- Morales, Pedro J. (See Hardy, E. C., and Morales.)
- Moran, Alfred P., Ridgefield Park, N. J. Gasoline-storage-tank-fitting. 1,665,106; Apr. 3.
- Moran, Charles A., Bernardsville, N. J. Reciprocating-saw machine. 1,685,239; Sept. 25.
- Moran, Daniel E., sr., Monrovia, Calif. Wheel felly. 1,692,344; Nov. 20.
- Moran, Francis D. (See Frayne, J. G., and Moran.)
- Moran, Frank B., Dallas, Tex. Driving shield. Re16,862; Jan. 31.
- Moran, Henry, London, England. Mechanism for actuating change-speed gears. 1,689,045; Oct. 23.
- Moran, Martin F., Nekoma, Kans. Weed exterminator. 1,696,856; Dec. 25.
- Moran, Robert C., Woodbury, N. J., assignor to Vacuum Oil Company, New York, N. Y. Purification of petroleum oils for removal of sulphonated compounds. 1,659,782; Feb. 21.
- Moran, Robert C., Woodbury, N. J., assignor to Vacuum Oil Company, New York, N. Y. Desulphurizing hydrocarbon oils. 1,692,756; Nov. 20.
- Moransky, Matyas, New York, N. Y. Swimming device. 1,654,894; Jan. 3.
- Moratta, John M., Detroit, Mich. Rubbing and polishing device for automobiles. 1,675,225; June 26.
- Morava, Wensel, Chicago, Ill. Cotton-picking machine. 1,668,247; May 1.
- Morawiecki, Michal, Terrace, Pa. Electromechanical rat trap. 1,660,013; Feb. 21.
- Morczewski, John, assignor of one-third to A. A. Kekko, South Bend, Ind. Candle. 1,672,463; June 5.
- Mordecai, Walter C., Kew Gardens, N. Y. Advertising device. 1,689,637; Oct. 30.
- Morden Frog & Crossing Works. (See Gibbs, Benedict T., jr., assignor.)
- Morden, George W., and M. Weber, Los Angeles, Calif. Bag holder. 1,696,551; Dec. 25.
- Mordt, Erik J., Evanston, Ill. Tow rope. 1,672,074; June 5.
- More Dry Dock & Repair Co. (See Strachan, C., and Irish, assignors.)
- Moreau, Jules, La Garenne-Colombes, France. Lubricating device for axle journals. 1,677,001; July 10.
- More, Glenn, and G. Oberg, assignors to The Blackstone Mfg. Co., Jamestown, N. Y. Gearing for washing machines. 1,678,018; July 24.
- Morehouse, Eugene. (See Ballou, F. A., jr., and Morehouse.)
- Morehouse, Eugene, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Joint member for pin stems. 1,663,605; Mar. 27.
- Morehouse, Frank B., and W. H. Kleinhammer, San Francisco, Calif., assignors to Trayway Mfg. Co. Wringer. 1,666,749; Apr. 17.

- Morehouse, Ralph C., Mason City, Iowa. Locomotive whistle. 1,665,671; Apr. 10.
- Morejon, Rafael F., Habana, Cuba. Photographic camera. 1,694,750; Dec. 11.
- Morel, Felix, Fayettas, assignor to Anciens Etablissements R. Cornely & Co., (Societe Anonyme), Paris, France. Machine for embroidering, sewing, and openwork stitching, of the crank type. 1,670,973; May 22.
- Morcl, Stanislas, Vevey, Switzerland. Teaseling machine. 1,661,492; Mar. 6.
- Moreland, Rena B. (See Kilmartin, A. N., and Moreland.)
- Moreno, José A., Galveston, Tex. Chain-operating device. 1,673,297; June 12.
- Morey, George W., Chevy Chase, Md. Tribarium aluminate and preparing the same. 1,688,054; Oct. 16.
- Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Fixture-body switch. 1,682,849; Sept. 4.
- Morey, William E., Chicago, and D. Hindahl, assignors to Rodger Ballast Car Co., Chicago, Ill. Dump-car construction. 1,694,077; Dec. 4.
- Morgal, John F., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum cleaner. 1,689,497; Oct. 30.
- Morgan, Albert, Indianapolis, Ind. Rake. 1,682,795; Sept. 4.
- Morgan Belleek China Company, The. (See Robert, Albert, assignor.)
- Morgan, Blodgett, Morgan, Inc. (See Morgan, Porter S., assignor.)
- Morgan, Charles F., Jackson, Tenn. Crossing signal. 1,673,841; June 19.
- Morgan, Charles W. (See Lyen, A. C., and Morgan.)
- Morgan, Charles W., assignor of one-half to A. C. Lyen, Chicago, Ill. Testing stand. 1,659,041; Feb. 14.
- Morgan Construction Company. (See Carroll, Elbert H., assignor.)
- Morgan Construction Company. (See Dahlstrom, Frank P., assignor.)
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan Construction Company. (See George, J. R., and Quinn, assignors.)
- Morgan Construction Company. (See Lummis, Charles W., assignor.)
- Morgan Construction Company. (See Merkt, Gustav A., assignor.)
- Morgan Construction Company. (See Shepherdson, John W., assignor.)
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surface condenser. 1,675,472; July 3.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,676,740; July 10.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,683,393; Sept. 4.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air-ejector apparatus. 1,684,406; Sept. 18.
- Morgan, David W. R., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,690,747; Nov. 6.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Loading apparatus. 1,659,696; Feb. 21.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining machine. 1,659,889; Feb. 21.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining machine. 1,660,083; Feb. 21.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Shoveling machine. 1,663,917; Mar. 27.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading machine. 1,664,128; Mar. 27.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Tunneling machine. 1,674,870; June 26.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading machine. 1,675,723; July 3.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading apparatus. 1,675,902; July 3.
- Morgan, Edmund C., deceased; O. E. Morgan, executrix, New York, N. Y. Chain cutter and cutting kerfs. 1,677,399; July 17.
- Morgan, Edmund C., deceased, by O. E. Morgan, executrix, New York, N. Y. Lubricating mechanism for sprocket chains. 1,677,649; July 17.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Method and apparatus for mining coal. 1,678,821; July 31.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading apparatus. 1,683,045; Sept. 4.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading apparatus. 1,686,337; Oct. 2.
- Morgan, Edmund C., deceased, by O. E. Morgan, executrix, New York, N. Y. Mining system and apparatus. 1,693,040; Nov. 27.
- Morgan, Edmund C., deceased, by O. E. Morgan, executrix, New York, N. Y. Belt fastener for conveyers. 1,693,041; Nov. 27.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading machine and method. 1,693,343; Nov. 27.
- Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Loading and conveying apparatus for coal mines. 1,693,344; Nov. 27.
- Morgan, Everette K., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Boring tool. 1,671,807; May 29.
- Morgan, Francis L., Burlingame, Calif. Pencil holder. Des. 75,744; July 10.
- Morgan, Francis L., Burlingame, Calif. Pencil holder. Des. 75,745; July 10.
- Morgan, Francis L., Burlingame, Calif. Pencil holder. Des. 76,034; Aug. 14.
- Morgan, Frank S., Berkeley, Calif. Sluice-box trap. 1,670,206; May 15.
- Morgan-Gardner Electric Company. (See Connors, John L., assignor.)
- Morgan, Glen W., assignor to Brown Valve & Manufacturing Company, Alhambra, Calif. Foot-operated vise with multiplied leverage. 1,658,411; Feb. 7.
- Morgan, Godfrey, Buffalo, N. Y. Pipe cleaner. 1,688,874; Oct. 23.
- Morgan, Harold R. (See Johnson, P. G., and Morgan.)
- Morgan, Harry, Flint, assignor to General Motors Corporation Detroit, Mich. Lubrication of brake shafts. 1,686,025; Oct. 2.
- Morgan, Horace H., assignor to Palmer-Bee Company, Detroit, Mich. Conveyor. 1,694,054; Dec. 11.
- Morgan, James M., Bristow, Okla. Road culvert. 1,662,714; Mar. 13.
- Morgan, John A., assignor to The John A. Morgan Machinery Company, Los Angeles, Calif. Water-circulation-control mechanism for automobiles. 1,695,055; Dec. 11.
- Morgan, John A., Machinery Company, The. (See Morgan, John A., assignor.)
- Morgan, John E., New Orleans, La. Lamp and bracket. 1,680,469; Aug. 14.
- Morgan, John G. Y. D. (See Bendixen, Niels, assignor.)
- Morgan, John H., assignor of one-half to S. C. Jump, East St. Louis, Ill. Rail-joint adjuster. 1,663,769; Mar. 27.
- Morgan, John H., assignor of one-half to S. C. Jump, East St. Louis, Ill. Rail-joint adjuster. 1,663,770; Mar. 27.
- Morgan, John R. (See Jandus, H. S., and Morgan.)
- Morgan, John S., assignor to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Heat treatment of substances by means of molten metal. 1,681,808; Aug. 21.
- Morgan, Joseph, Franklin, Tex. Adjustable plow. 1,690,238; Nov. 6.
- Morgan, Joseph J. (See Dickinson, W. E., and Morgan.)
- Morgan Knitting Mills. (See Goetze, Albin F., assignor.)
- Morgan Knitting Mills, Inc. (See Goetze, Albin F., assignor.)
- Morgan, Lenge S., Kansas City, Mo. Syringe. 1,653,296; Feb. 7.
- Morgan, Lester, New York, N. Y. Pumping apparatus. 1,686,220; Oct. 2.
- Morgan, Lewis J., assignor of one-fourth to H. M. Strong, Syracuse, N. Y. Automobile body, door, and window construction. 1,688,937; Oct. 23.
- Morgan, Lon P. and M. C., Chicago, Ill. Lingerie clasp. 1,696,530; Dec. 25.
- Morgan, Mae C. (See Morgan, Lon P. and M. C.)
- Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Differential mechanism. 1,657,091; Jan. 24.
- Morgan, Norris G., Galva, Ill. End-gate fastener. 1,661,259; Mar. 6.
- Morgan, Olive E., executrix. (See Morgan, Edmund C.)
- Morgan, Philip. (See Holden, A. P., and Morgan.)
- Morgan, Porter S., assignor to Morgan, Blodgett, Morgan, Inc., New York, N. Y. Closing and retarding device. 1,682,696; Aug. 28.
- Morgan, Porter S., Norwalk, Conn., assignor to Morgan Blodgett Morgan, Inc., New York, N. Y. Door check and closer. 1,688,428; Oct. 23.
- Morgan, Porter S., assignor to Morgan Blodgett, Morgan, Inc., New York, N. Y. Shock absorber. 1,694,788; Dec. 11.
- Morgan, Teofil N., Dayton, Ohio. Shoe. 1,660,203; Feb. 21.
- Morgan, Thomas A., and H. H. Thompson, assignors to The Sperry Gyroscope Company, Brooklyn, N. Y. Transmission and follow-up system for gyrocompasses. 1,695,774; Dec. 18.
- Morgan, Walter. (See Moore, W. D., and Morgan.)
- Morgan, Walter. (See Smith, M. D., Morgan, and Moore.)
- Morgan, William C., assignor of one-fourth to J. S. Hall, Beeville, Tex. Attachment for dentil engine handpieces. 1,695,773; Dec. 18.
- Morgan, William H., jr. (See Morgan, William H., sr., assignor.)
- Morgan, William H., sr., assignor to W. H. Morgan, jr., Alliance, Ohio. Preparing sugar cane for extracting juice from cane stalks. 1,655,327; Jan. 3.

- Morgan, William V. (See McCray, L. B., and Morgan.)
Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
Morgan & Wright. (See Abbott, A. O., jr., and Sloman, assignors.)
Morgan & Wright. (See Nesmith, Ralph H., assignor.)
Morgan & Wright, et al. (See Wilhelmi, Dirk F., assignor.)
Morganti, J. B. (See Milotte, Elmore, assignor.)
Morgenroth, Edwin L., Kewaskum, Wis. Adjustable pedestal for combination seats and desks. 1,667,896; May 1.
Morgenstern, Joseph, Cleveland, Ohio. Outlet-box-supporting means. 1,667,813; May 1.
Morgenstern, Joseph, and C. Raus, assignors to The New Era Electric Manufacturing Company, Cleveland, Ohio. Cable clamp. 1,667,814; May 1.
Morgenthaler, Anna R., executrix. (See Morgenthaler, Herbert J. W.)
Morgenthaler, Herbert J. W., deceased, Brooklyn, N. Y.; A. R. Morgenthaler, executrix. Inclosed bed for premature and feeble infants. 1,688,200; Oct. 16.
Moriarty, Joseph J. (See Johnson, A. J., and Moriarty.)
Morimoto, Sataro, Minamikatsushika-Gun, Tokyo-Fu, Japan. Fixing a thin layer of sponge rubber to the surface of india-rubber goods. 1,685,954; Oct. 2.
Morimura Bros. Inc. (See Tomita, Urasaburo, assignor.)
Morin, Adelar, Nashua, N. H. Shade bracket. 1,696,050; Dec. 18.
Morin, Edgar G., jr., San Francisco, Calif. Combination tool. 1,695,662; Dec. 18.
Morin, George G., Holyoke, Mass. Semiautomatic trip for power shovels. 1,655,623; Jan. 10.
Morin, George G., Holyoke, Mass. Semiautomatic trip for power shovels. 1,661,955; Mar. 6.
Morin, Henry L., Detroit, Mich. Scraper for wringers. 1,672,824; June 5.
Morin, Joseph A., Newark, N. J. Carrotting machine. 1,662,933; Mar. 20.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Vending machine. 1,657,836; Jan. 31.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Die-casting machine. 1,683,721; Sept. 11.
Morin, Louis H., New York, N. Y., assignor to Doehler Die-Casting Co. Vending machine. 1,683,722; Sept. 11.
Morin, Louis H., assignor to Phillips-Jones Corporation, New York, N. Y. Folding machine. 1,687,222; Oct. 9.
Moritz, Charles J., Effingham, Ill. Road scraper. 1,672,497; June 5.
Moritz, Martin. (See Möller, F., Moritz, and Gerstenberger.)
Morkri, Soren I., West Prairie, Wis. Currycomb. 1,671,907; May 29.
Morkum-Kleinschmidt Corporation. (See Krum, Charles L. and H. L., assignors.)
Morkum-Kleinschmidt Corporation. (See Krum, Howard L., assignor.)
Morland & Impey Limited. (See Power, Richard F., assignor.)
Morley, Joseph, assignor of five-sixteenths to R. A. Daluge, Los Angeles, Calif. Making doughnuts and other food products. 1,663,719; Mar. 27.
Mornaghini, Angelo J., Brooklyn, N. Y. Smoker's ash receptacle or similar article. Des. 76,625; Oct. 16.
Morningstar, Alvie S. (See Beck, A. C., and Morningstar.)
Moro, Pierre, Marseille, France. Manufacture of cellulose xanthate. 1,689,958; Oct. 30.
Moro Plow & Manufacturing Company, The. (See Monson, Martin B., assignor.)
Morrall, Samuel E. (See Morrall, William W. and S. E.)
Morrall, William W. and S. E., Morrall, Ohio. Corn-bushing machine. 1,689,483; May 15.
Morrall, Alfred F. (See Gordon, A. A., and Morrall.)
Morrill, Alfred R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread sewing machine. 1,683,689; Sept. 11.
Morrill, Alfred R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 1,689,594; Oct. 30.
Morrill, Charles H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making gaiters. 1,672,182; June 5.
Morrill, Herbert B., Salem, Mass. Pressure regulator. 1,668,655; May 8.
Morrill, James M., Milbank, S. Dak. Bread proofer. 1,677,043; July 10.
Morrill, Lewis H., assignor to The Buda Company, Harvey, Ill. Turbine construction. 1,679,913; Aug. 7.
Morrill, Philip E. (See Finn, L. J., and Morrill.)
Morrill, Philip E., and R. E. Pierce, assignors to Bemis Bros. Bag Company, St. Louis, Mo. Bag. 1,691,782; Nov. 13.
Morriss, Alfred A., Los Angeles, Calif. Clutch and brake assembly for power-driven machines. 1,687,778; Oct. 16.
Morriss, Amos R., Ann Arbor, Mich. Folding map or chart. 1,687,304; Oct. 9.
Morriss, Andrew P., assignor of one-tenth to C. F. Sentell, Snyder, Tex. Double-acting pump. 1,689,794; Oct. 30.
Morriss Brothers Company, The. (See Morris, Robert E., assignor.)
Morriss, Charles E., Newark, N. J. Circuit-closing device. 1,678,228; July 24.
Morris, Charles E., Leavenworth, Kans. Carrousel-driving mechanism. 1,693,724; Dec. 4.
Morris, Charles E., Leavenworth, Kans. Carrousel. 1,696,500; Dec. 25.
Morris, Daniel L., New York, N. Y. Locking device. 1,671,602; May 29.
Morris, Edmund, Grand Rapids, Mich., assignor, by mesne assignments, to Grand Rapids Store Equipment Corporation. Show case. 1,658,932; Feb. 14.
Morris, Edmund, and A. Vanderveld, assignors to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Furniture construction. 1,674,913; June 26.
Morris, Edward T., and T. J. Mills, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Side-registering mechanism for printing-machine rolls. 1,686,530; Oct. 9.
Morris, Elmer C., Chicago, Ill., assignor, by mesne assignments, to Servo-Paper Corporation. Sanitary dispensing device. 1,684,877; Sept. 18.
Morris, Elmer C., Chicago, Ill., assignor, by mesne assignments, to Servo-Paper Corporation. Folded-sheet object and forming same. 1,684,878; Sept. 18.
Morris, Elmer C., Chicago, Ill. Paper napkin or the like. 1,689,742; Oct. 30.
Morris, Frank E. (See Bergner, John C., assignor.)
Morris, Fred C., San Francisco, Calif. Steering-column bushing. 1,679,941; Aug. 7.
Morris, Fred C., San Francisco, Calif. Oil filter for engines. 1,692,852; Nov. 27.
Morris, George D., assignor to New Castle Refractories Company, New Castle, Pa. Tunnel-kiln car and loading ware thereon. 1,674,886; June 26.
Morris, Granville P. (See Duffield, A., and Morris.)
Morris, Harold W., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Bulton clamp. 1,681,948; Aug. 28.
Morris, Howard A. (See Aldrich, J. P., and Morris.)
Morris, Howard I., assignor to The Cord Tire Machine Company, Cleveland, Ohio. Cord-fabric and tire making machine. 1,677,400; July 17.
Morris, Howard I., assignor to The Cord Tire Machine Company, Cleveland, Ohio. Apparatus for making tires or tire carcasses. 1,677,401; July 17.
Morris, Howard I., assignor to Cord Tire Machine Company, Cleveland, Ohio. Apparatus for making tires or tire carcasses. 1,677,402; July 17.
Morris, Hubert C., Albany, Oreg. Assembling doors. 1,672,273; June 5.
Morris, John. (See Martin, Jesse C., jr., assignor.)
Morris, John T., Glen Morrison, W. Va. Mine and railway tie plate. 1,665,419; Apr. 10.
Morris, John W., Rensselaer, N. Y. Ladder support. 1,676,618; July 10.
Morris, Jolly L., Crafton, assignor of fifty-one one hundreds to A. B. Coleman, Pittsburgh, Pa. Dispensing apparatus. 1,676,833; July 10.
Morris, Joseph F., West Lafayette, Ind. Water supply for automobile radiators. 1,683,911; Sept. 11.
Morris, Max C., Castlebellingham, Ireland. Carburetor. 1,677,926; July 24.
Morris, Milton D., Buffalo, and E. G. Du Barry, Hamburg, N. Y. Adjustable coupling. 1,663,259; Mar. 20.
Morris, Milton D., Buffalo, and E. G. Du Barry, Hamburg, N. Y. Die-rolling mill. 1,669,879; May 15.
Morris, Moses, Baltimore, Md. Undergarment. 1,655,379; Jan. 3.
Morris, Onas E., G. E. Crumrine, and W. Grounds, Cedar Hill, Tex. Cotton-planter attachment. 1,685,554; Sept. 25.
Morris, Paul D., Berlin, Md. Loop aerial. 1,688,875; Oct. 23.
Morris, Richard H., 3d, Philadelphia, Pa. Spent-soil compost. 1,691,077; Nov. 13.
Morris, Richard H., 3d, Philadelphia, Pa. Mushroom bed. 1,694,482; Dec. 11.
Morris, Robert B. (See Carnelli, F. J., and Morris.)
Morris, Robert E., assignor to The Morris Brothers, Salisbury, Md. Newel post. 1,691,663; Nov. 13.
Morris, Ross, Zillah, Wash. Rotary dispensing bin. 1,656,444; Jan. 17.
Morris, Roy H., Piedmont, Calif. Combination conduit and pulley support. 1,672,075; June 5.
Morris, Stewart M., Elmhurst, N. Y., assignor to International Paper Company. Vacuum relief means for water-pipe lines. 1,655,433; Jan. 10.
Morris, William L., and W. K. Booth, Chicago, Ill., assignors to Electr Oil Syndicate. Fuel igniter. 1,670,819; May 22.
Morris, William N., Salt Lake City, Utah. Musical-instrument mouthpiece. 1,655,656; Jan. 10.
Morris, William T., Brooklyn, N. Y., assignor to American Chain Company, Inc. Automobile bumper. 1,656,011; Jan. 10.
Morrison, Alexander G. (See Hood, Frank E. and J. E., and Morrison.)
Morrison, Andrew M., assignor to Morrison Bros., Dubuque, Iowa. Strainer and check valve. 1,657,173; Jan. 24.
Morrison Bros. (See Morrison, Andrew W., assignor.)
Morrison, Charles F., Chattanooga, Tenn., assignor to Morrison-Martins, Inc. Drier. 1,696,172; Dec. 18.
Morrison, Charles S. (See Ayres, E. B., and Morrison.)
Morrison, Charley E. (See Mitchell, C. C., and Gregory, assignors.)

- Morrison, Edgar H., Virginia Beach, Va. Apparatus for hydraulic drilling. 1,661,672; Mar. 6.
- Morrison, Frances H., Tampico, assignor of one-half to B. E. Parrish, El Limon, San Luis Potosi, Mexico. Brassiere. 1,667,796; May 1.
- Morrison, Frank F., Charlotte, N. C. Crib. 1,661,230; Mar. 6.
- Morrison, Frank G. (See Schobert, E. C., and Morrison.)
- Morrison, Fred S., Newark, N. J. Dispensing device. 1,694,925; Dec. 11.
- Morrison, George A., Park Ridge, assignor to Torchwood Equipment Company, Chicago, Ill. Torch. 1,659,279; Feb. 14.
- Morrison, George A., Park Ridge, assignor to Torchwood Equipment Company, Chicago, Ill. Valve device. 1,663,384; Mar. 20.
- Morrison, Glenn D., Canonsburg, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Machine for doubling metal plates. 1,674,478; June 19.
- Morrison, J. L., Company, The. (See Allen, Howard G., assignor.)
- Morrison, James, assignor to The Owens Bottle Company, Toledo, Ohio. Bottle. 1,688,396; Oct. 23.
- Morrison, James A., Rocky River Village, Ohio. Goggle valve. 1,674,255; June 19.
- Morrison, John A., Seattle, Wash., assignor to Safety Signal Company. Crossing signal. 1,683,690; Sept. 11.
- Morrison, John A., Mansfield, Ohio. Lifting jack. 1,692,345; Nov. 20.
- Morrison, Lewis B., Newark, N. J., assignor to American Type Founders Company. Automatic feeder for printing presses. 1,676,152; July 3.
- Morrison, Lewis E., Newark, N. J., assignor to American Type Founders Company. Sheet-feeding mechanism. 1,694,717; Dec. 11.
- Morrison, Louis, New York, N. Y. Lever for self-filling fountain pens. 1,673,579; June 12.
- Morrison, Louis E., Salida, Colo. Valve for water lifts. 1,691,664; Nov. 13.
- Morrison, Louis K., Decatur, Ga. Adjustable garter. 1,683,461; May 1.
- Morrison, Lucian, and J. O. Simmons, sr., Troy, Tex. Cultivator attachment. 1,682,182; Aug. 28.
- Morrison, Margaret, administratrix. (See Morrison, William.)
- Morrison-Mertins, Inc. (See Morrison, Charles F., assignor.)
- Morrison, Montford, Chicago, Ill. Method of and apparatus for cooling electron-discharge tubes. 1,656,826; Jan. 17.
- Morrison, Montford, Chicago, Ill. X-ray tube. 1,665,688; Apr. 10.
- Morrison, Montford, Chicago, Ill. Static dissipator. 1,678,869; July 31.
- Morrison, Montford, Chicago, Ill. Insulating bushings and making the same. 1,691,356; Nov. 13.
- Morrison, Montford, New York, N. Y. X-ray tube. 1,685,928; Oct. 2.
- Morrison, Montford, New York, N. Y. X-ray apparatus. 1,690,906; Nov. 6.
- Morrison, Robert A., and E. L. Oswald, Portland, Oreg. Fireproof iron stand. 1,664,698; Apr. 3.
- Morrison, Robert F., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling articles. 1,673,014; June 12.
- Morrison, Robert F., and E. B. Elder, Oak Park, assignors to E. J. Brach, Chicago, Ill. Plastic-candy-forming machine. 1,686,759; Oct. 9.
- Morrison, Simon, New York, N. Y. Vanity case. 1,667,486; Apr. 24.
- Morrison Stitcher Corporation. (See Allen, Howard G., assignor.)
- Morrison, William, deceased, Chicago, Ill.; M. Morrison, administratrix. Electrolytic device. 1,668,863; May 8.
- Morrison, Willard L., Melrose, Mass. Steering wheel. 1,667,942; May 1.
- Morrison, Willard L., Melrose, Mass. Closure cap. 1,677,403; July 17.
- Morrison, Willard L., Melrose, Mass. Lamp support. 1,680,951; Aug. 14.
- Morrison, William M., Tacoma, Wash., assignor to American Smelting and Refining Company, New York, N. Y. Filtering device. 1,678,704; July 31.
- Morrough, Frank, Arnaville, La. Folding crate. 1,681,996; Aug. 28.
- Morrow, Bayard S., and E. Klepetko, Anaconda, Mont. Selective flotation of minerals. 1,683,569; Sept. 4.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Burner. 1,662,507; Mar. 13.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Water heater. 1,667,795; May 1.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Thermostatic valve. 1,679,165; July 31.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Water heater. 1,685,857; Oct. 2.
- Morrow, Clarence H., assignor to The Hotstream Heater Company, Cleveland, Ohio. Thermostatic-indicator-securing means. 1,687,104; Oct. 9.
- Morrow, D. R. (See Barnhart, Walter J., assignor.)
- Morrow, James B., Oakland, Calif. Coal-oil heater. 1,654,990; Jan. 3.
- Morrow, John J., assignor to A. C. Wicke Manufacturing Company, New York, N. Y. Automatic roller fastener. 1,655,915; Jan. 10.
- Morrow, Percy K., and R. E. Wetmore, Seattle, Wash. Burglar alarm. 1,688,628; Oct. 23.
- Morrow, Richard H., Los Angeles, Calif. Handle. 1,662,715; Mar. 13.
- Morse, Alan L., East Cleveland, Ohio. Dusting apparatus for aircraft. 1,673,087; June 12.
- Morse, Alan L., Dayton, Ohio. Powder-distributing apparatus. 1,691,205; Nov. 13.
- Morse, Albert W., and W. E. Wolheim, New York; said Wolheim assignor to The Anthony Company, Long Island City, N. Y. Strainer. 1,681,620; Aug. 21.
- Morse Chain Company. (See Bremer, Norman C., assignor.)
- Morse Chain Company. (See Morse, Frank L., assignor.)
- Morse Chain Company. (See Perry, David B., assignor.)
- Morse Chain Company. (See Thompson, Fred C., assignor.)
- Morse, Clark T., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich. Heating and ventilating apparatus. 1,685,610; Sept. 25.
- Morse Dry Dock & Repair Co. (See Irish, David J., assignor.)
- Morse, Frank C., assignor to Brown-Morse Company, Muskegon, Mich. Filing drawer. 1,684,842; Sept. 18.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Chain-adjusting mechanism. 1,657,024; Jan. 24.
- Morse, Frank L., Ithaca, N. Y., assignor to Morse Chain Company. Flexible coupling. 1,668,330; May 1.
- Morse, John P., Kenley, England. Press-button fastening. 1,657,174; Jan. 24.
- Morse, Lawrence H., assignor to The American Multi-graph Company, Cleveland, Ohio. Printing-form holder. 1,669,909; May 15.
- Morse, Lawrence H., assignor to The American Multi-graph Co., Cleveland, Ohio. Printing form. 1,669,910; May 15.
- Morse, Lawrence H., assignor to The American Multi-graph Company, Cleveland, Ohio. Inking attachment for printing machines. 1,683,840; Sept. 11.
- Morse, Lawrence H., assignor to The American Multi-graph Company, Cleveland, Ohio. Printing press. 1,685,611; Sept. 25.
- Morse, Mark A., Jr., New Orleans, La. Smoothing-iron protector. 1,681,128; Aug. 14.
- Morse, Robert V., Ithaca, N. Y. Road switch for electric garage doors. 1,656,750; Jan. 17.
- Morse, Robert V., Ithaca, N. Y. Tire gauge. 1,686,165; Oct. 2.
- Morse, Sterne, Cleveland Heights, Ohio. Electric heater. 1,663,810; Mar. 27.
- Morse, Theodore F., assignor to Huntley Manufacturing Co., Silver Creek, N. Y. Separating machine. 1,675,572; July 3.
- Morse, Wendell J., Toledo, Ohio. Signaling device. 1,656,385; Jan. 17.
- Morse, William J., Attleboro, Mass. Belt slide. Des. 74,753; Mar. 20.
- Morshead, Howard. (See Greiner, W. P., and Morshead.)
- Morson, Terrill F. (See Buckman, E. A., and Morson.)
- Morson, William C. T. (See Kehoe, J. J., Jr., Morson, and De Sherbinin.)
- Mortarless Tile Machine Company. (See Lewis, Anson F., assignor.)
- Mortensen, Cornelius, Louisville, Ky. Milk-treating machine. 1,671,160; May 29.
- Mortensen, Frantz, Helsingfors, Finland. Lubricating rapidly-revolving spindles. 1,674,605; June 19.
- Mortenson, Harold D., Klamath Falls, Oreg. Marking device. 1,670,735; May 22.
- Mortenson, Oscar W., G. E. Thelin, and K. F. Norrhen, Chicago, Ill. Tie press. 1,683,255; Sept. 4.
- Mortier, Georges A., Birmingham, England, assignor to The Dunlop Rubber Company, Limited. Wheel. 1,670,077; May 15.
- Mortimer, Arthur E., Los Angeles, Calif. Baseball puzzle. 1,686,244; Oct. 2.
- Mortimer, Charles W., Brooklyn, N. Y. Performing chemical reactions. 1,691,903; Nov. 13.
- Mortimer, Charles W., Upper Montclair, N. J., assignor to The Barrett Company. Cutting shingles. 1,665,600; Apr. 10.
- Mortimer, Charles W., Upper Montclair, N. J., assignor to The Barrett Company. Self-spacing shingle. 1,665,601; Apr. 10.
- Mortimer, Franklin S., Bloomington, Ill., and R. W. Hess, Buffalo, assignors to National Aniline & Chemical Co., Inc., New York, N. Y. Purification of n-alkyl-carbazoles. 1,674,216; June 19.
- Mortimer, John N., Lakewood, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio. Waste valve for bathtubs and lavatories. Re16,902; Mar. 13.
- Mortimer, Lewis F., Los Angeles, Calif. Dial lock for automatic telephones. 1,664,939; Apr. 3.
- Mortimer, Louis A., Hoboken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,678,190; July 24.
- Mortlock, Clarence E., Wilmington, Del. Window-cleaning apparatus. 1,679,323; July 31.
- Morton, Albert A., Baker, Oreg. Mechanical device. 1,681,424; Aug. 21.

- Morton, Allen W., assignor to The American Hammered Piston Ring Company, Baltimore, Md. Grinding piston rings. 1,691,120; Nov. 13.
- Morton, Arthur, Seattle, Wash. Wire cable. 1,687,257; Oct. 9.
- Morton, Cecil J., Coventry, England, assignor to General Electric Company. Sound-reproduction apparatus. 1,655,283; Jan. 3.
- Morton, Edmund R. (See Fairchild, S. M., and Morton.)
- Morton, Edmund R. (See Stoller, H. M., and Morton.)
- Morton, Edmund R., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical control system. 1,660,084; Feb. 21.
- Morton, Edmund R., assignor to Fairchild Aerial Camera Corporation, New York, N. Y. Variocoupler. 1,661,380; Mar. 6.
- Morton, Edmund R., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electric regulator. 1,662,252; Mar. 13.
- Morton, Edmund R., assignor to Western Electric Company, Incorporated, New York, N. Y. Inductance coil. 1,666,661; Apr. 17.
- Morton, Edmund R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuits for synchronous motors. 1,696,248; Dec. 25.
- Morton, Elvin D., and J. Brett, Indianapolis, Ind. Lowering the height of the chassis of motor vehicles. 1,693,490; Nov. 27.
- Morton, Frank M., Phenix City, Ala. Calendar rack. 1,655,657; Jan. 10.
- Morton, Harold T. (See Dutro, Clyde A., assignor.)
- Morton, Harry D., New York, N. Y. Box-locking device. 1,680,745; Aug. 14.
- Morton, Harry D., New York, N. Y. Self-locking box. 1,686,338; Oct. 2.
- Morton, Harry D., and M. Parker, New York, N. Y. Making needle-and-suture assembly. 1,665,216; Apr. 10.
- Morton, Joseph A., Brooklyn, N. Y., assignor to B. Gibbs, Ardmore, Pa. Union undergarment. 1,665,505; Apr. 10.
- Morton Manufacturing Company. (See Schroyer, Harry H., assignor.)
- Morton Manufacturing Company. (See Smouse, John B., assignor.)
- Morton, Marcus R., Spokane, Wash. Flexible broom handle. 1,674,983; June 26.
- Morton, Rolla A., Long Beach, Calif., assignor to Western Wheeled Scraper Company, Aurora, Ill. Draft appliance. 1,665,817; Apr. 10.
- Morton, William A., assignor to The Amsler-Morton Company, Pittsburgh, Pa. Glass leer. 1,684,239; Sept. 11.
- Morton, Woolridge B., New York, N. Y. Railway car. 1,692,683; Nov. 20.
- Mortus, Benjamin H., assignor to The National Screw and Manufacturing Company, Cleveland, Ohio. Hopper feed for metal-working machines. 1,692,275; Nov. 20.
- Morvay, Walter W., Kenosha, Wis. Lamp. 1,687,347; Oct. 9.
- Morvay, Zoltan V., Bridgeton, N. J. Duplex folder. 1,681,949; Aug. 28.
- Mory, Enos L., Boyertown, assignor to Boyertown Burial Casket Co., Philadelphia, Pa. Fastening device for metal burial caskets. 1,658,686; Feb. 7.
- Mosaic Tile Company, The. (See Herrold, Russell P., assignor.)
- Mosaic Tile Company, The. (See Jordan, Roy E., assignor.)
- Moses, Joseph, Rouse, Colo. Belt scraper for tractors. 1,682,623; Aug. 28.
- Moscip, John, Tampa, Fla. Grapefruit corer. 1,674,606; June 19.
- Moscip, John, assignor to Florida Citrus Exchange, Tampa, Fla. Juice extractor. 1,687,463; Oct. 9.
- Moseley, Thomas H., Oklahoma City, and C. E. Droege, Cushing, Okla. Valve mechanism. 1,675,817; July 3.
- Mosely, Harmon, et al. (See Smoot, Samuel K., assignor.)
- Moser, Arthur, Northampton, Pa. Hydraulic brake-operating means. 1,678,949; July 31.
- Moser, Charles, Los Angeles, Calif. Device for holding toilet-paper rolls. 1,684,190; Sept. 11.
- Moser, Stuart, Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Storage tank for liquids. 1,693,857; Dec. 4.
- Moser, Wilhelm. (See von Arco, G., Schaffer, and Moser.)
- Moses, Edmund Q. (See Iserman, S., Vernet, and Moses.)
- Moses, Herbert B. (See Merenna, John S., assignor.)
- Moses, Herbert L., assignor to M. S. Levy and Sons, Inc., Baltimore, Md. Straw hat. 1,671,082; May 22.
- Moses, Herbert L., assignor to M. S. Levy and Sons, Inc., Baltimore, Md. Conformer for hats. 1,671,776; May 29.
- Moses, Kirke L., Brookline, Mass. Rubber-impregnated paper and making the same. 1,660,204; Feb. 21.
- Moses, Louis, Brooklyn, N. Y. Display device. 1,677,840; July 17.
- Mosgrove, Charles A., Waterbury, assignor to The Autoyre Company, Oakville, Conn. Slide buckle. 1,695,056; Dec. 11.
- Mosher, Charles D., Hyde Park, Mass. Plate air heater. 1,692,562; Nov. 20.
- Mosher, Glenn E., Rockford, Iowa. Removable window for closed cars. 1,686,705; Oct. 9.
- Mosher, James H., Schenectady, N. Y., assignor to General Electric Company. Support for vacuum tubes. 1,685,766; Sept. 25.
- Moskovitz, Jacob, Middle Village, and W. Peretz, assignors to Maxwell Eisenstein, New York, N. Y. Windshield wiper. 1,663,666; Mar. 27.
- Moskowitz, Jacob, Brooklyn, N. Y. Book-corner protector. 1,676,741; July 10.
- Moskowitz, Max. (See Modern, S., and Moskowitz.)
- Moskowitz, Meyer. (See Ebert, C., Newkirk, and Moskowitz.)
- Mosler, Arthur R., New York, N. Y. Box. 1,666,105; Apr. 17.
- Mosler, Arthur R., New York, N. Y. Spark plug. 1,663,992; May 15.
- Mosler Lock Company, The. (See Benham, Edgar M., assignor.)
- Mosler Lock Company, The. (See Benham, E. M., and Bauer, assignors.)
- Mosler Lock Company, The. (See Benham, Edgar M. and W. T., assignors.)
- Mosler Safe Company, The. (See Bartels, C. P., and Bates, assignors.)
- Mosler Safe Company, The. (See Bates, Charles J., jr., assignor.)
- Mosler Safe Company, The. (See Bellamore, D. H., and Bartels, assignors.)
- Mosler Safe Company, The. (See Bremer, Fred J., assignor.)
- Mosler Safe Company, The. (See Goldsmith, G. M., and Bartels, assignors.)
- Mosler Safe Company, The. (See Robinson, Harry J., assignor.)
- Mosley, John, Peoria, Ill. Razor-blade stropper. 1,667,867; May 1.
- Mosquera, Leoncio L., Buenos Aires, Argentine. Demountable brush. 1,684,358; Sept. 11.
- Moss, Arline B. N., St. Louis, Mo., assignor to The National Society of the Daughters of the American Revolution, Washington, D. C. Statue. Des. 77,114; Dec. 4.
- Moss, David H., Brooklyn, N. Y., assignor, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J. Shipping box. 1,669,169; May 8.
- Moss, George R., and R. D. Parks, Lohrville, assignors to J. J. McCulloch, Pomeroy, and S. C. Sweet, Des Moines, Ia. Barn and garage door latch. 1,694,553; Dec. 11.
- Moss, Harry, Philadelphia, Pa. Sweater garment. 1,681,809; Aug. 21.
- Moss, Jesse J., Temple, Tex. Shop-easy system. 1,659,633; Feb. 21.
- Moss, Louis N., Cedarhurst, N. Y. Interchangeable sign element. 1,683,570; Sept. 4.
- Moss, Louis N., and J. S. Weston, Cedarhurst, N. Y. Steam generator. 1,680,166; Aug. 7.
- Moss, Michael, and T. F. McCarthy, New York, N. Y. Toothpick dispenser. 1,662,831; Mar. 20.
- Moss, Norbert B. (See Chivers, Henry A., assignor.)
- Moss, Thomas, Long Beach, Calif. Washing compound. 1,677,044; July 10.
- Moss, William B., jr., and M. L. Ardisana, Evanston, Ill. Combination fuse and plug. 1,672,620; June 5.
- Mossberg, Frank, assignor to Moosberg Pressed Steel Corporation, Attleboro, Mass. Spool. 1,672,187; June 5.
- Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Reel. 1,675,507; July 3.
- Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
- Most, August F. (See Gold, M., Most, and Fogel.)
- Most, Lucifer J. (See Sheaffer, W. A., and Most.)
- Mostertz, Ferdinand W., Philadelphia, Pa. Pile fabric. 1,690,939; Nov. 6.
- Mot-Acs, Incorporated. (See Rowland, L. C., and Rundlett, assignors.)
- Motherwell, Joseph W., Melrose, Mass., assignor to The Ashton Valve Company. Adjusting mechanism for pressure gauges. 1,663,313; Mar. 20.
- Mothes, Paul O., North Bergen, N. J., assignor of one-half to Stein-Tobler Company, Inc. Fabric frame and fabric-mounting apparatus for embroidery machines. 1,693,562; Nov. 27.
- Mothorn, Pressley, Healdsburg, Calif. Prune grader. 1,693,042; Nov. 27.
- Mothproof Rug Bag Company. (See Granger, Gertrude V., assignor.)
- Motisher, Robert W., Sewell, N. J. Dump car. 1,692,276; Nov. 20.
- Motor Improvements, Inc. (See Ward, Marshall H., assignor.)
- Motor Industries, Inc. (See Bethenod, Joseph, assignor.)
- Motor Industries, Inc. (See La Brie, Ludwig E., assignor.)
- Motor Industries, Inc. (See Lyman, Kenneth E., assignor.)
- Motor Industries, Inc. (See White, D'Orsay M., assignor.)
- Motor Products Corporation. (See Henricson, Edwin A., assignor.)
- Motor Products Corporation. (See Kellogg, Homer G., assignor.)
- Motor Products Corporation. (See Pritchard, William S., assignor.)
- Motor Products Corporation. (See Wummel, William A., assignor.)
- Motor Requirements Corporation. (See Pearson, Carl E., assignor.)
- Motor Terminals Company. (See Fitch, Benjamin F., assignor.)

- Motor Valves, Inc. (See Washburne, William H., assignor.)
- Motor Wheel Corporation. (See Forsyth, George H., assignor.)
- Motor Wheel Corporation. (See Putnam, Alden L., assignor.)
- Motorfrigerator Company, The. (See Lewis, Alfred S., assignor.)
- Motometer Company. (See Schlaich, Herman, assignor.)
- Motseman, Henry H., and G. G. Powers, assignors to Union Bed and Spring Company, Chicago, Ill. Rolling bed. 1,659,042; Feb. 14.
- Mott, Floyd, Portland, Oreg. Protective covering for vehicle tires, 1,667,980; May 1.
- Mott, James H., Willmar, Minn. Ensilage cutter. 1,663,720; Mar. 27.
- Mott, Samuel D., Passaic, N. J. Combination lock. 1,670,042; May 15.
- Mott, Samuel D., Passaic, N. J. Multiple-control system. 1,670,043; May 15.
- Mottershead, Andrew J., et al. (See Bachtold, Jacob, assignor.)
- Mottershead, John, et al. (See Greene, Marius, assignor.)
- Mottier, Walter F., El Camp, Tex. Hayrake. 1,664,699; Apr. 3.
- Mottlau, August J. (See Miller, H. C., and Mottlau.)
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic regulator. 1,668,973; May 8.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Snap switch. 1,668,974; May 8.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,669,531; May 15.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric curling iron. 1,675,373; July 3.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature time-control device. 1,677,361; July 17.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic regulator. 1,680,428; Aug. 14.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,680,429; Aug. 14.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,682,401; Aug. 28.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic regulator. 1,686,634; Oct. 9.
- Mottlau, August J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal-control switch. 1,689,795; Oct. 30.
- Mottweiler, Oliver F., and D. C. Drill, assignors to General Insulating and Manufacturing Company, Alexandria, Ind. Insulating structure. 1,691,783; Nov. 13.
- Motz, Charles F., assignor to The Phoenix Glass Co., Monaca, Pa. Sand-blasting apparatus. 1,679,369; Aug. 7.
- Mouchou, Albert J. (See Meara, David C., assignor.)
- Mougey, Wilbur E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling conductor. 1,690,201; Nov. 6.
- Mougey, Wilbur E., and J. Collard, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Balancing cable circuits. 1,672,987; June 12.
- Mouillefarine, André, Paris, France. Dielectric substance and manufacturing same. 1,696,501; Dec. 25.
- Mould, James A., assignor to Evinrude Motor Company, Milwaukee, Wis. Outboard-motor bracket. 1,663,260; Mar. 20.
- Moulded Pulp Devices, Incorporated. (See Koppelman, M., and Cooper, assignors.)
- Moulden, John C., and B. Taplin, London, England, assignors to Metals Production Company of North America Incorporated, New York, N. Y. Heat treatment and concentration of copper ores. 1,679,337; July 31.
- Moulthrop, Lambert H., South Norwalk, Conn. Electric attachment plug cap. 1,673,756; June 12.
- Moulton, Lloyd W., and O. C. Kave, Syracuse, N. Y. Centrifugal babbitt machine. 1,675,657; July 3.
- Mound City Wood Heel and Mfg. Co. (See Marshall, David O., assignor.)
- Mt. Carmel Manufacturing Company, The. (See Goodman, Joseph, assignor.)
- Mt. Carmel Manufacturing Company, The. (See Goodman, J., and Somers, assignors.)
- Mount, Frank R., and C. P. Young, Warren, Pa. Hatrack. 1,681,552; Aug. 21.
- Mount, William D., Lynchburg, Va. Causticizing unit. 1,685,929; Oct. 2.
- Mount, William H., Summit, N. J. Shipping and display box. 1,689,959; Oct. 30.
- Mountain, Sarah G., Kenosha, Wis. Garment. 1,672,770; June 5.
- Mountford, Howard S. (See Mountford, Stanley F. and H. S.)
- Mountford, Stanley F. and H. S., assignors of one-half to J. F. Hood, Los Angeles, Calif. Hinge. 1,687,174; Oct. 9.
- Mounts, Daniel D., Los Angeles, Calif. Phonograph. 1,685,433; Sept. 25.
- Mourmetsch, Ilia E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum-tube device. 1,678,870; July 31.
- Mouton, Willem A., assignor to N. V. Nederlandsche Instrumenten Compagnie, Haag, Netherlands. Range finder. 1,666,943; Apr. 24.
- Mowat, James R., Kearny, assignor to The Clark Thread Company, Newark, N. J. Support for thread cops. 1,666,216; Apr. 17.
- Mower, George A., London, England, assignor to Judson L. Thomson Manufacturing Co., Waltham, Mass. Sealing receptacles. 1,680,905; Aug. 14.
- Mower-Gulden Annis, Inc. (See Annis, Ralph B., assignor.)
- Mower, Will S., assignor to Hubbard & McClary, Windsor, Vt. Machine for setting glaziers' points. 1,662,276; Mar. 13.
- Mowery, Leroy D. (See Hauserman, E. F., Mowery, and Bohnsack.)
- Mowery, Leroy D. (See Hauserman, E. F., Mowery, McClanahan, and Murrell.)
- Mowry, Charles W., Portsmouth, R. I. Therapeutic apparatus. 1,669,484; May 15.
- Mowry, Daniel P., Montreal, Quebec, Canada. Toothbrush. Des. 77,115; Dec. 4.
- Mowry, Edward, Rock Falls, assignor to International Harvester Company, Chicago, Ill. Side-delivery rake. 1,658,996; Feb. 14.
- Moxie Company, The. (See Archer, Frank M., assignor.)
- Moxter, Ernst, St. Louis, Mo. Electric socket. 1,681,425; Aug. 21.
- Moyer, Albert, New York, N. Y. Mixer. 1,694,137; Dec. 4.
- Moyer, Charles L., assignor to Benjamin Electric Company, Chicago, Ill. Stand for electric flatirons. 1,655,708; Jan. 10.
- Moyer, Charles O., Lock Haven, Pa. Automatic railway gate. 1,656,287; Jan. 17.
- Moyer, Ernest L. (See Chappell, M. L., Ziser, and Moyer.)
- Moyer, Fredellia H., Canton, Ohio. Slag and gas eliminator for molten steel. 1,690,748; Nov. 6.
- Moyer, Fredellia H., Canton, Ohio. Steel-pouring device. 1,690,749; Nov. 6.
- Moyer, Fredellia H., Canton, Ohio. Pouring steel. 1,690,750; Nov. 6.
- Moyer, Milton L., et al., joint trustees. (See Moyer, Milton L., assignor.)
- Moyer, Milton L., Souderton, Pa., assignor to M. L. Moyer, E. J. Prindle, and B. Stoughton, joint trustees. Metal-treating compound and making same. 1,659,214; Feb. 14.
- Moyer, Paul, assignor to Paul Moyer Company, Los Angeles, Calif. Sectional curb guard. 1,659,830; Feb. 21.
- Moyer, Paul, Company. (See Moyer, Paul, assignor.)
- Moyer, Paul S. (See Adams, Alfred S. and W. B., and Moyer.)
- Moyer, Paul S., assignor to The Aridor Company, Chicago, Ill. Closure. 1,682,234; Aug. 28.
- Moyer, William W., Camden, N. J., assignor to Victor Talking Machine Company. Driving mechanism for talking machines. 1,676,660; July 10.
- Moynahan, Anna, Cleveland Heights, Ohio. Shopping basket. 1,689,448; Oct. 30.
- Mozzali, Oreste, Treviglio, Italy. Electrical heating apparatus for the crucibles of linotype composing machines. 1,657,581; Jan. 31.
- Mross, Edward, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Motor mounting. 1,658,458; Feb. 7.
- Mross, Hans. (See Fricke, R., and Mross.)
- Muchnic, Henry E., Atchison, Kans. Railway-crossing structure. Re16,974; May 22.
- Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Railway highway crossing. 1,684,924; Sept. 18.
- Muckelrath, Monroe M., assignor of one-fourth to O. A. Ball, one-fourth to O. C. Beebe, and one-fourth to J. R. Albrittain, El Dorado, Ark. Sand and fluid guide for oil-well equipment. 1,667,900; May 1.
- Muckey, Floyd S., New York, N. Y., assignor of one-tenth to J. F. O'Brien, West New York, N. J., three-tenths to J. W. Goodwin, Richmond Hill, N. Y., and six-tenths to Muckey Patents Corporation. Piano. 1,694,789; Dec. 11.
- Muckey Patents Corporation et al. (See Muckey, Floyd S., assignor.)
- Muckleroy, William B., assignor to Fogle West Undertaking Company, Houston, Tex. Burial-receptacle cover. Des. 77,116; Dec. 4.
- Mudd, Francis X., Chicago, Ill. Poultry-coop door and trough. 1,691,665; Nov. 13.
- Mudd, Garrett W., Chicago, Ill. Packaging machine. 1,659,831; Feb. 21.
- Mudd, Garrett W., Chicago, Ill. Paper-feeding machine. 1,680,470; Aug. 14.
- Mudd, Garrett W., assignor to B. Horwich, Chicago, Ill. Hair-curling machine. 1,658,813; Feb. 14.
- Mudge, Raymond C., East Boston, and E. A. Gallison, Watertown, assignors to Bay State Fishing Company, Boston, Mass. Rotatable brush. 1,694,018; Dec. 4.
- Mudgett, John O. (See Gill, W. L., Mudgett, and Bennett.)

- Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Escape-ment-actuating mechanism of typographical composing machines. 1,666,944; Apr. 24.
- Muehleisen, Gottlieb, assignor to National Soil Conservation Company, Alma, Wis. Mail box. 1,664,462; Apr. 3.
- Muelheim, Leo C., and A. G. Pack, jr., Baltimore, Md. Cab light. 1,671,680; May 29.
- Mueller, Adolf, New York, N. Y. Sanitary seat cover. 1,678,296; July 24.
- Mueller, Adolph, trustee. (See Eichman, Arthur W., assignor.)
- Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
- Mueller, Adolph, trustee. (See Mueller, P. and L. W., and Mix, assignors.)
- Mueller, Adolph, trustee. (See Mueller, P. and R. H., and Mix, assignors.)
- Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
- Mueller, Adolph, trustee. (See Mueller, P., Schuermann and Lucas, assignors.)
- Mueller, Adolph, trustee. (See Mueller, Philip and L. W., assignors.)
- Mueller, Arthur W., Cincinnati, Ohio. Cutting machine. 1,662,890; Mar. 20.
- Mueller, Bruno A. (See Garankin, Theodore P., assignor.)
- Mueller, Charles W., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Feeding mechanism for sewing machines. 1,678,191; July 24.
- Mueller Co. (See Mueller, Robert H., assignor.)
- Mueller, Emil C., jr. (See Curran, S. T., and Mueller.)
- Mueller, George D., Akron, Ohio. Raincoat. 1,664,309; Mar. 27.
- Mueller, Godfrey A., Point Place, assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 1,694,078; Dec. 4.
- Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Engine governor. 1,657,025; Jan. 24.
- Mueller, Herman G., assignor to Skinner Engine Company, Erie, Pa. Reciprocating steam engine. 1,686,245; Oct. 2.
- Mueller, John. (See Lasker, W. W., and Mueller.)
- Mueller, John G., Dayton, Ohio. Railway-rail brace. 1,663,811; Mar. 27.
- Mueller, John G., Neenah, Wis. Animal trap. 1,668,726; May 8.
- Mueller, L. J., Furnace Company. (See Jones, Edwin A., assignor.)
- Mueller, L. J., Furnace Company. (See Wagner, Charles H., assignor.)
- Mueller, Lucien W. (See Mueller, Philip and L. W., and Mix.)
- Mueller, Lucien W. (See Mueller, Philip and L. W.)
- Mueller, Moritz L., Seattle, Wash., assignor to Northwest Blower Kilm Company, Portland, Ore. Controlling the processing of materials. 1,695,738; Dec. 18.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Screen. 1,655,474; Jan. 10.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Gas-stop seal. 1,662,863; Mar. 20.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Faucet and fittings. 1,674,561; June 19.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Bath and shower combination. 1,678,703; July 13.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Gasoline bucket. 1,683,571; Sept. 4.
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Strainer screen and making same. 1,688,630; Oct. 23.
- Mueller, Philip and L. W., and W. J. Mix, assignors to A. Mueller, trustee, Decatur, Ill. Attachment for lavatory-outlet-valve devices. 1,677,793; July 17.
- Mueller, Philip and L. W., assignors to A. Mueller, trustee, Decatur, Ill. Waste-control mechanism. 1,692,512; Nov. 20.
- Mueller, Philip and R. H., and W. J. Mix, assignors to A. Mueller, trustee, Decatur, Ill. Built-in removable valve. 1,677,794; July 17.
- Mueller, Philip, Decatur, and A. C. Schuermann, deceased; H. Schuermann, executrix, assignors to A. Mueller, trustee, Decatur, Ill. Pipe-bending mandrel. 1,654,697; Jan. 3.
- Mueller, Philip, and A. C. Schuermann, Decatur, and C. W. Lucas, Chicago, assignors to A. Mueller, trustee, Decatur, Ill. Coupling for traps. 1,674,562; June 19.
- Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Pop-up waste. 1,677,791; July 17.
- Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Trimming soft-metal-pipe flanges. 1,677,792; July 17.
- Mueller, Philip, and A. C. Schuermann, deceased, by H. Schuermann, executrix, assignors to A. Mueller, trustee, Decatur, Ill. Pipe-bending mandrel. 1,683,572; Sept. 4.
- Mueller, Philip, and A. C. Schuermann, deceased, by H. Schuermann, executrix, assignors to A. Mueller, trustee, Decatur, Ill. No-slip flange. 1,688,629; Oct. 23.
- Mueller, Robert H. (See Mueller, Philip and R. H., and Mix.)
- Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Combination sink faucet. Des. 77,022; Nov. 27.
- Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Combination sink faucet. Des. 77,023; Nov. 27.
- Mueller, Robert H., assignor to Mueller Co., Decatur, Ill. Combination sink faucet. Des. 77,024; Nov. 27.
- Mueller, Stephen E., and G. M. Rodgers, Moline, Ill. Portable milling machine. 1,675,374; July 3.
- Mueller, Theodore G., A. R. Buchholz, P. O. Dallmann, G. C. Moerschel, W. C. Dallmann, M. J. Kujawski, and W. H. Schmidt, assignors to Dallmann Machine and Manufacturing Co., Milwaukee, Wis. Saw-rig attachment for tractors. 1,691,581; Nov. 13.
- Muench, Helen B., Brooklyn, N. Y. Article of wearing apparel and making the same. 1,673,123; June 12.
- Muend, Charles J., Philadelphia, Pa., assignor, by mesne assignments, to Hajoca Corporation. Valve control. 1,654,550; Jan. 3.
- Muentener, Christian, Bogota, N. J. Stair rod. 1,685,679; Sept. 25.
- Muenzer, Frank X., assignor to The Multiplex Concrete Machinery Company, Elmore, Ohio. Block machine. 1,690,422; Nov. 6.
- Muffy, Glenn, Detroit, Mich. Control for electric circuits. 1,691,666; Nov. 13.
- Muffy, Glenn. (See Carroll, Louis W., assignor.)
- Mugdan, Martin. (See Baum, E., Deutsch, Herrmann, and Mugdan.)
- Mugler, Casper M., Clay Center, Kans. Metal flooring. 1,676,570; July 10.
- Muhleisen, Karl, assignor to Schutte and Koerting Company, Philadelphia, Pa. Fluid-heating device. 1,654,551; Jan. 3.
- Muhlenberg, Francis B. (See Walter, C. A., and Muhlenberg.)
- Muhlfelder, Samuel, et al. (See Phillips, Ross M. G., assignor.)
- Muir, Charles S., Chevy Chase, Md. Puzzle or toy. 1,654,991; Jan. 3.
- Muir, Joseph, New York, N. Y., assignor to The Radium Emanation Corporation. Making emanation seeds. 1,655,156; Jan. 3.
- Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Surgical instrument for implanting capillary seeds containing radium emanation. 1,655,157; Jan. 3.
- Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Instrument for implanting radon seeds. 1,655,158; Jan. 3.
- Muir, Joseph, assignor to The Radium Emanation Corporation, New York, N. Y. Removable emanation seed. 1,688,245; Oct. 16.
- Muir, Wellington W., Lockport, N. Y. Process of and apparatus for operating internal-combustion engines. 1,658,933; Feb. 14.
- Muir, Wellington W., Lockport, N. Y. Process of and apparatus for operating internal-combustion engines. 1,658,934; Feb. 14.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Cooling system for internal-combustion engines. 1,668,864; May 8.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Hydraulic power appliance. 1,668,817; May 8.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Operating internal-combustion engines. 1,671,440; May 29.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Cooling system for internal-combustion engines and operating the same. 1,674,689; June 26.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Process of and apparatus for cooling internal-combustion engines. 1,676,961; July 10.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Cooling internal-combustion engines. 1,677,981; July 24.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Stiffening member for automobile radiators. 1,686,626; Oct. 9.
- Muir, Wellington W., assignor to Harrison Radiator Corporation, Lockport, N. Y. Operating cooling systems for internal-combustion engines. 1,691,121; Nov. 13.
- Mulcahy, Daniel E., and R. C. Hitt, Seattle, Wash. Machine for loading freerackers. 1,762,771; June 5.
- Mulder, Jacob C., Oakland, Calif. Grease-measuring device. 1,688,505; Oct. 23.
- Mulder, Jakob, and D. C. Endert, jr., Rotterdam, Netherlands. Ventilating device for tank vessels. 1,679,678; Aug. 7.
- Mulder, John, Zeeland, Mich. Air-heating furnace. 1,660,565; Feb. 28.
- Muldoon, James F., Auburn, N. Y. Fishing net. 1,657,892; Jan. 31.
- Mulford, Logan W., Kew Gardens, N. Y. Shield for skylight and door-light construction. 1,681,741; Aug. 21.
- Mulford, William H., and A. S. Belber, assignors to The Belber Trunk & Bag Company, Philadelphia, Pa. Hand bag. 1,658,997; Feb. 14.
- Mulhern, Bernard A. (See Mulhern, Charles and B. A.)
- Mulhern, Charles and B. A., Wilkes-Barre, Pa. Steel tie and rail anchor. 1,681,871; Aug. 21.
- Mulhaddon, G. G., et al. (See Sherrod, Robert L., assignor.)
- Mulholland, James F., Columbus, Ohio. Toy balloon. Des. 75,510; June 12.

- Mulholland, Thomas, assignor to Valley Rubber Company, Wheeling, W. Va. Rubber-strip-cutting apparatus. 1,681,247; Aug. 21.
- Mulholland, Thomas, assignor to Valley Rubber Company, Wheeling, W. Va. Machine for trimming strips of rubber. 1,681,248; Aug. 21.
- Mulholland, Thomas, assignor to Valley Rubber Company, Wheeling, W. Va. Machine for forming spherical solid-rubber balls. 1,681,249; Aug. 21.
- Mulholland, Vergil, West Hartford, assignor to Hartford Empire Company, Hartford, Conn. Liquid-fuel burner. 1,692,853; Nov. 27.
- Mullan, Joseph E. (See Kitchel, R. R., Lippard, and Mullan.)
- Mullaney, Dudley A., Schenectady, N. Y., assignor to General Electric Company. Filament support for vacuum tubes. 1,662,032; Mar. 6.
- Mullen, Albert E., New York, N. Y. Container. 1,667,215; Apr. 24.
- Mullen, Charles A., Montreal, Quebec, Canada. Pavement and manufacturing the same. 1,654,746; Jan. 3.
- Mullen, George B., Stroud, Okla. Oil-derrick anchor. 1,685,716; Sept. 25.
- Mullen, James J., and F. M. Stambaugh, St. Louis, Mo.; said Stambaugh assignor to said Mullen. Ribbed or corrugated sheet-metal member. 1,683,841; Sept. 11.
- Mullen, James J., and F. M. Stambaugh, St. Louis, Mo.; said Stambaugh assignor to said Mullen. Forming ribbed or corrugated sheet metal members. 1,683,842; Sept. 11.
- Mullen, James J., and F. M. Stambaugh, St. Louis, Mo.; said Stambaugh assignor to said Mullen. Metal-bending machine. 1,687,988; Oct. 16.
- Mullen, Leo A., Collingdale, Pa., and J. Jackevich, Merchantville, N. J. Device for imparting unidirectional movement. 1,671,481; May 29.
- Mullen, Richard T., Latrobe, and A. C. Kells, Derry, Pa., assignors to Westinghouse Electric and Manufacturing Company. Strain-ball trimming machine. 1,671,482; May 29.
- Mullen, Thomas J., Owensmouth, Calif. Laundry drier. 1,689,743; Oct. 30.
- Mullendore, Harvey, assignor to Perfection Biscuit Company, Fort Wayne, Ind. Feeding mechanism for hoppers. 1,671,777; May 29.
- Mullendore, William W., Knoxville, Tenn. Window shade and curtain hanger. 1,663,090; Mar. 20.
- Müller, Adolf M., Chemnitz, Germany. Operating jack for double-hooked needles in knitting machines. 1,694,426; Dec. 11.
- Müller, Arthur, Lobenstein, Germany. Electrolier for sewing machines. 1,661,260; Mar. 6.
- Müller, Arthur, Bern, Switzerland. Clamping clamp. 1,681,707; Aug. 21.
- Muller, Arthur F., Glendale, N. Y. Cork packing and forming machine. 1,680,952; Aug. 14.
- Muller, C. H. F., Röntgenröhrenfabrik. (See Daumann, Karl W., assignor.)
- Müller, C. H. F., Röntgenröhrenfabrik. (See Daumann, Wilhelm, assignor.)
- Müller, Carl. (See Mittasch, A., Müller, and Schubardt.)
- Müller, Carl, Mannheim, W. Frankenburger, Ludwigshafen-on-the-Rhine, and F. Grassner, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purifying organic liquid. 1,679,256; July 31.
- Müller, Carl, Mannheim, and L. Schlecht and W. Schubardt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Precipitating heavy metals from ammoniacal solutions. 1,686,391; Oct. 2.
- Müller, Carl and E., Charlottenburg, near Berlin, assignors to K. Mey, Berlin, Germany. Stereoscopic color photography. 1,657,270; Jan. 24.
- Müller, Carl E. (See Daimler, K., Müller, and Gärtner.)
- Müller, Carl E. (See Eichwede, E., Fischer, and Müller.)
- Müller, Carl E. (See Fischer, E. and Müller.)
- Müller, Carl G. (See Müller, Ernst F. and C. G.)
- Müller, Carl J. (See Fischer, E., Heyna, and Müller.)
- Muller, Caroline A., Minneapolis, Minn. Abdominal belt. 1,671,441; May 29.
- Muller, Charles A. (See Whaley, W. B. S., Muller, and Tursky.)
- Müller-Cunradi, Martin, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Liquid fuel. 1,673,620; June 12.
- Muller, Curt B. (See Arnt, Herald P., assignor.)
- Muller, Curt B. (See Arnt, H. P., and Arnold, assignors.)
- Muller, Edward. North Bergen, N. J. By-pass valve. 1,687,032; Oct. 9.
- Müller, Elsa. (See Müller, Carl and E.)
- Müller, Emilie E., Chemnitz, Germany. Round-knitting machine. 1,682,087; Aug. 28.
- Müller, Ernst, Bern, Switzerland. Machine for casting stereotype plates having a mold adapted to be pressed against the outlet opening of the pot. 1,681,872; Aug. 21.
- Müller, Ernst, Berlin, Germany. Fur testing and cutting device. 1,684,359; Sept. 11.
- Muller, Ernst F. and C. G., Oakland, Calif. Piercing machine. 1,663,213; Mar. 20.
- Müller, firm Johann C. (See Müller, Heinrich, assignor.)
- Muller, Frank G. D. (See Schmidt, G. C., and Muller.)
- Muller, Frederick A., Richmond Hill, and L. L. Basberg, assignors to J. E. Cleary, trading under name of American Air Compressor Works, Brooklyn, N. Y. Compressor-unloader mechanism. 1,683,214; Mar. 20.
- Müller, Friedrich, Elizabeth, N. J. Joint for golf clubs. 1,695,291; Dec. 18.
- Müller, Friedrich, Vienna, Austria. Increasing the efficiency of injection air compressors of internal-combustion engines. 1,659,043; Feb. 14.
- Müller, Friedrich, Nuremberg, Germany. Small-size barrel organ. 1,672,420; June 5.
- Müller, Friedrich W., Dresden, Germany. Typewriter. 1,686,627; Oct. 9.
- Müller, Fritz. (See Rothlin, E., and Müller.)
- Müller, Fritz, assignor to Chemical Works, formerly Sandoz, Basel, Switzerland. Pharmaceutical product. 1,655,795; Jan. 10.
- Müller, Georg, Berlin-Adlershof, Germany. Buttonhole-sewing machine. 1,675,508; July 3.
- Muller, George W., Washington, D. C. Track-bed construction and arrangement. 1,661,702; Mar. 6.
- Muller, George W., Washington, D. C. Railway rail and tie holding means. 1,665,107; Apr. 3.
- Muller, George W., Washington, D. C. Rail-joint bar or fishplate. 1,665,108; Apr. 3.
- Müller, Gustav W., Charlottenburg, Germany, assignor to General Electric Company. System for rectifying alternating currents. 1,673,698; June 12.
- Müller, Heinrich, Nuremberg, Germany. Toy figure. 1,669,993; May 15.
- Müller, Heinrich, Nuremberg, Germany. Hollow toy figure. 1,693,563; Nov. 27.
- Müller, Heinrich, Gross Flottbeck, near Hamburg, assignor to the firm Johann Carl Müller, Dresden-A., Germany. Machine for mechanically mixing tobacco leaves. 1,662,017; Aug. 28.
- Müller, Heinrich, J. Schaffhausen, Switzerland. Adjustable couch and the like. 1,678,071; July 24.
- Müller, Henry, Philadelphia, Pa. Window. 1,654,698; Jan. 3.
- Muller, Herman J., Atlantic City, N. J., assignor to Hensel Silk Manufacturing Company, Philadelphia, Pa. Decorated bullion fringe. 1,671,835; May 29.
- Müller, Hermann, assignor to the firm Aktiengesellschaft Cilandar, Herisau, Switzerland. Producing pattern effects in fabrics. 1,660,042; Feb. 21.
- Muller, Hermann J., Austin, Tex. Educational appliance. 1,679,536; Aug. 7.
- Müller, Jacob, Siegen, Germany. Loose leaf to be used with a carbon for bookkeeping machines or the like. 1,656,866; Jan. 17.
- Muller, Jacques, La Garenne Colombes, France. Grease package. 1,686,166; Oct. 2.
- Müller, Jakob. (See Staudinger, H., Tobler, Stocker, Müller, and Bucher.)
- Müller, Karl. (See Jost, Friedrich, assignor.)
- Müller, Karl, Essen-on-the-Ruhr, Germany. Automatic controlling apparatus for pumps, compressors, and the like. 1,674,984; June 26.
- Müller, Karl, and W. Sander, Essen, Germany. Bearing-metal alloy. 1,691,931; Nov. 20.
- Müller, Karl, and W. Sander, Essen, Germany. Bearing-metal alloy. 1,691,932; Nov. 20.
- Müller, Kurt. (See Cohn, A., and Müller.)
- Muller, Leopold, Schonbach, Czechoslovakia. Tuning device. 1,685,717; Sept. 25.
- Muller, Otto, Richmond Hill, assignor to Kueher Muller Company, Inc., New York, N. Y. Banding machine. 1,686,628; Oct. 9.
- Müller, Richard, Spandau, assignor to Krah & Kirchhoff, Berlin, Germany. Worm conveyor. 1,694,228; Dec. 4.
- Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Collating equipment for adding machines and the like. 1,682,765; Sept. 4.
- Muller, Rudolph G., Irvington, N. J. Fur-hat-blocking machine. 1,683,790; Sept. 11.
- Müller, Werner. (See Krzikalla, H., and Müller.)
- Müller, Werner. (See Spengler, O., and Müller.)
- Muller, William F., assignor to The International Postal Supply Company of New York, Brooklyn, N. Y. Printing mechanism. 1,678,705; July 31.
- Müller, Willy. (See Mohr, Rudolf, assignor.)
- Muller, Wolf J., H. Carstens, and J. Drucker, Leverkusen, near Cologne-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Extraction and drying of jellies. 1,696,358; Dec. 25.
- Müller-Zöllinger, Rudolf, Oberburg, assignor to Mabag, The Langenthal Machine Works, Limited, Langenthal, Switzerland. Gas-singeing device for yarns of all kinds. 1,669,033; May 8.
- Mulligan, Paul C., Seattle, Wash., assignor to L. J. Hull, I. M. Foster, and himself. Briquetting. 1,683,094; Sept. 4.
- Mullikin, Levin H., Easton, Md. Rotary grater. 1,672,391; June 5.
- Mullinix, Aline, assignor to Indianapolis City Hospital Alumni Association, Indianapolis, Ind. Nurse's cap. 1,668,331; May 1.
- Mullins, Arch, et al. (See Mullins, Ed, assignor.)
- Mullins, Ed, Cincinnati, Ohio, assignor of one-third to A. Mullins, Latonia, and one-third to S. F. Maguire, Louisville, Ky. Rail clamp. 1,696,724; Dec. 25.

- Mullins, George W., and G. Squiers, Birmingham, England. Surface of roofs, walls, doors, panels, and other parts of buildings and structures. 1,664,261; Mar. 27.
- Mullins, Oscar R. (See Hughey, V. D., Mullins, and Hughey.)
- Mullins, Robert T., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoulder pad. 1,685,825; Oct. 2.
- Mulock, William R., Winnipeg, Manitoba, Canada. Belt. 1,683,691; Sept. 11.
- Mulroney, John B., deceased, Chicago, Ill.; M. B. Mulroney, executrix, assignor to E. M. Brackett and F. Brackett, copartners doing business as The Brackett Stripping Machine Company, Topeka, Kans. Paper-cutting machine and gauge and carrier therefor. 1,678,156; July 24.
- Mulroney, Margaret B., executrix. (See Mulroney, John B., assignor.)
- Multer, Hugh J. (See Gard, E. W., Aldridge, and Multer.)
- Multhaup, William, Winona, Minn. Electric paint remover. 1,664,429; Apr. 3.
- Multibestos Company. (See Waite, Edwin E., assignor.)
- Multi-Needle Engineering Corporation. (See Boettcher, Gustav A., assignor.)
- Multiple Electric Products Company. (See Swenson, Sven R., assignor.)
- Multiplex Concrete Machinery Company, The. (See Muenzer, Frank X., assignor.)
- Mulvany, Harry A., Berkeley, Calif. Heating-element support. 1,682,402; Aug. 28.
- Mulvany, Harry A., assignor to Majestic Electric Appliance Co., Inc., San Francisco, Calif. Slice-turning toaster. 1,654,827; Jan. 3.
- Mulvihill, Daniel C., Hannibal, Mo. Device for removing sand from metal castings. 1,686,629; Oct. 9.
- Mulvihill, Daniel C., Hannibal, Mo. Railway crossing. 1,691,078; Nov. 13.
- Mumford, Russell W., Trona, Calif., assignor by mesne assignments, to American Potash & Chemical Corporation, New York, N. Y. Cooling apparatus. 1,676,277; July 10.
- Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 1,690,423; Nov. 6.
- Mummert, Harvey C., and J. F. Meade, Hammondsport, N. Y. Aeroplane landing gear. 1,668,122; May 1.
- Mummery, Clyde W., Detroit, Mich. Portable camp stove. Des. 76,199; Aug. 28.
- Mumovich, Spiro, Anyox, British Columbia, Canada. Dust-collecting device for rock drills. 1,664,786; Apr. 8.
- Munch, Robert A., Maywood, Ill. Metallic packing ring. 1,658,955; Feb. 14.
- Munch, Walter, Superior, Wis., assignor to Syphonix Refrigerator Company. Show case. 1,683,791; Sept. 11.
- Munchen, Hughes & Company. (See Hughes, Francis P., assignor.)
- Mund, Henry A., Jamaica, N. Y. Cleaning device. 1,672,772; June 5.
- Mundatechnical Products Company. (See Jackson, L. E., and Wassell, assignors.)
- Munden, Isaac W., Tampa, Fla. Wheel-aligning gauge. 1,678,157; July 24.
- Mundlos, Rudolf, Magdeburg, Germany. Feeding mechanism for sewing machines. 1,693,524; Nov. 27.
- Munford, Theodore W., Pittsburgh, Pa., assignor to Mantle Engineering Company. Heat-exchange apparatus. 1,673,418; June 12.
- Munitex Corporation. (See Leemann, H., and Tagliana, assignors.)
- Munk, Otto, trustee. (See Rosenthal, Ambrose H., assignor.)
- Munn, Donald S., South Euclid, assignor to The McMyler Interstate Company, Bedford, Ohio. Boat unloader. 1,681,742; Aug. 21.
- Munro, Alexander C., Britannia Beach, British Columbia, Canada. Ball-forming machine. 1,691,248; Nov. 13.
- Munro, Hugh, Carpentersville, assignor to W. F. Hallet, Elgin, Ill. Oil burner. 1,657,436; Jan. 24.
- Munro, Roy C., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car end door. 1,658,569; Feb. 7.
- Munro, Thomas, Philadelphia, Pa. Vehicle spring cover. 1,694,483; Dec. 11.
- Munro, Thomas, assignor of one-half to C. F. O'Mullen, Philadelphia, Pa. Cover for vehicle springs and resilient attaching means therefor. 1,667,735; May 1.
- Munroe, Clarence E., Providence, R. I., assignor to Ideal Ventilator Company, Inc. Window ventilator. 1,660,972; Feb. 28.
- Munroe, Harry, New York, N. Y. Spark plug. 1,681,997; Aug. 28.
- Munroe, Treadway B., and A. Elmendorf, Chicago, Ill.: said Elmendorf assignor to said Munroe. Securing fibrous sheet material. 1,675,226; June 26.
- Munsell, Thomas S. (See White, Harry and F., and Munsell.)
- Munson, David I., Richford, N. Y. Snowplow. 1,671,836; May 29.
- Munson, Henry H. (See Drexler, J. J., and Munson.)
- Munson, Henry H., assignor to Sargent & Company, New Haven, Conn. Adjustable lock. 1,672,076; June 5.
- Munson, Karl A., Abingdon, Ill. Bench. 1,673,757; June 12.
- Munson, Sweney, Scammon, Kans. Windshield adjuster for automobiles. 1,661,047; Feb. 28.
- Munters, Carl G. (See von Platen, B. C., and Munters.)
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigerator. 1,670,632; May 22.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,679,439; Aug. 7.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,679,440; Aug. 7.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,692,790; Nov. 20.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Cabinet for ice cream and the like. 1,692,792; Nov. 20.
- Munters, Carl G., Stockholm, Sweden, assignor to Electrolux Servel Corporation, New York, N. Y. Refrigeration. 1,693,553; Nov. 27.
- Muntwyler, Ernst, Lucerne, Switzerland. Windshield attachment. 1,688,344; Oct. 23.
- Muntyan, Adalbert B., assignor of one-half to G. M. Fischer, Amsterdam, Netherlands. Electrolytic rectifier. 1,662,075; Mar. 13.
- Munz, Elmer G., Detroit, Mich. Nozzle. 1,667,943; May 1.
- Murakami, Yasukichi, Broome, Western Australia, Australia. Diving dress. 1,689,079; Oct. 23.
- Murakoshi, Fred M., San Leandro, Calif. Nail stripper. 1,677,527; July 17.
- Murakoshi, Kogoro, Tokyo Prefecture, Japan. Induced-current medical instrument with condenser. 1,681,708; Aug. 21.
- Murch, Wilfred M., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of anthraquinone coloring matters. 1,692,854; Nov. 27.
- Murchev Machine and Tool Company. (See France, Albert J., assignor.)
- Murck, Knud, Forest Hills, N. Y., assignor to New York Blue Print Paper Company. Machine for developing sensitized papers. 1,669,066; May 8.
- Murden, William B., Newark, N. J. Strainer. 1,688,429; Oct. 23.
- Murdoch, Alexander G., London, England. Lever link-work apparatus. 1,685,718; Sept. 25.
- Murdoch, Charles A., New York, N. Y. Washing machine. 1,675,192; June 26.
- Murdoch, James B., Milwaukee, Wis. Store-shelving front unit. 1,678,522; July 24.
- Murdock, Charles E. (See Gray, O. H., and Murdock.)
- Murdock, George N., et al. (See Lett, Royal A., assignor.)
- Murdock Pump Company. (See Gurley, John W., assignor.)
- Murdock, Walter B., Auburn, N. Y. Auxiliary windshield cleaner. 1,673,699; June 12.
- Murdock, Walter S., Houston, Tex. Rotary toothbrush. 1,679,166; July 31.
- Murfey, Gardner A., and A. S. Meyer, Cleveland Heights, assignors to The Browning Company, Cleveland, Ohio. Steering mechanism for cranes. 1,688,643; Oct. 23.
- Murlin Manufacturing Company. (See Lindsay, Donald E., assignor.)
- Murlin Manufacturing Company. (See Seidell, Alfred P., assignor.)
- Murn, Rudolph, Lakewood, Ohio. Headlight. 1,655,103; Jan. 3.
- Murnan, Frederick C., Princeville, Ill. Adjustable cap. 1,669,009; May 8.
- Murnane, Daniel J., jr. (See Murnane, Daniel J. and D. J., jr.)
- Murnane, Daniel J., San Mateo, Calif. Hinge. 1,675,573; July 3.
- Murnane, Daniel J., San Francisco, Calif. Nonslip floor. 1,686,919; Oct. 9.
- Murnane, Daniel J., San Mateo, assignor to Murnane Universal Twin Mirror Company, San Francisco, Calif. Wall-cabinet hinge. 1,667,010; Apr. 24.
- Murnane, Daniel J., San Mateo, assignor to Non-Pressure Glazing Company, San Francisco, Calif. Sash for holding glass. 1,686,922; Oct. 9.
- Murnane, Daniel J., San Mateo, assignor to Non-Pressure Glazing Company, San Francisco, Calif. Sash for holding glass. 1,686,923; Oct. 9.
- Murnane, Daniel J., San Mateo, and D. J. Murnane, jr., assignors to Non-Pressure Glazing Company, San Francisco, Calif. Sash for holding glass. 1,686,920; Oct. 9.
- Murnane, Daniel J., San Mateo, and D. J. Murnane, jr., assignors to Non-Pressure Glazing Company, San Francisco, Calif. Sash for holding glass. 1,686,921; Oct. 9.
- Murnane Universal Twin Mirror Company. (See Murnane, Daniel J., assignor.)
- Mürner, Johann, Steffsburg, Switzerland. Adjustable guide. 1,686,246; Oct. 2.
- Murphey, James A., Germantown, Pa. Automobile lock. 1,669,205; May 8.
- Murphey, James A., Germantown, Pa. Automobile steering-wheel hub. 1,693,153; Nov. 27.
- Murphy, Barry F., Oakland, Calif. Prayer vase. 1,660,760; Feb. 28.
- Murphy, Christena, New York, N. Y. Comfort cushion. 1,676,962; July 10.

- Murphy, Clifford M., Phoenix, Ariz. Gate-operating device. 1,655,328; Jan. 3.
- Murphy, Daniel, Chicago, Ill. Tie holder. 1,670,271; May 15.
- Murphy, Daniel F., and L. Cotter, Boise, Idaho. Electric signaling device for vehicles. 1,676,571; July 10.
- Murphy, Edward F., Newburgh, N. Y. Sleep-inducing pillow. 1,686,247; Oct. 2.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Electrical control device. 1,693,313; Nov. 27.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Reproducing position. 1,693,314; Nov. 27.
- Murphy, Edwin J., and L. P. Hutt, Schenectady, N. Y., assignors to General Electric Company. Reproducing position. 1,694,277; Dec. 4.
- Murphy, Everett N., assignor to Stevens Partition & Floor Deadener Company, Chicago, Ill. Soundproofed shock-absorbed laundry floor. 1,692,855; Nov. 27.
- Murphy, Everett N., assignor to Stevens Partition & Floor Deadener Co., Chicago, Ill. Floor construction. 1,693,655; Dec. 4.
- Murphy, Frank J., South Boston, Mass. Golf practice apparatus. 1,668,023; May 1.
- Murphy, Fred K., and R. W. Retterer, Indianapolis, Ind. Fluid-operable lubricator and feeder for engines. Re17,110; Oct. 23.
- Murphy, George F., Philadelphia, Pa. Packing. 1,665,377; Apr. 10.
- Murphy, George F., Philadelphia, Pa. Expansion joint. 1,671,308; May 29.
- Murphy, George F., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway skate-operating apparatus. 1,662,468; Mar. 13.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,661,905; Mar. 6.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,661,906; Mar. 6.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Detachable handle for lubricating apparatus. 1,663,606; Mar. 27.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,676,457; July 10.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,537; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,538; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,538; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,731; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,732; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,733; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating system and apparatus. 1,679,734; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,735; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,736; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,737; Aug. 7.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricant-expelling device. 1,685,408; Sept. 25.
- Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricant-expelling apparatus. 1,687,779; Oct. 16.
- Murphy, Howard J., Reading, and M. F. Carr, Brookline, Mass., assignors, by mesne assignments, to The Baskick Manufacturing Company, Chicago, Ill. Lubricating system. 1,661,904; Mar. 6.
- Murphy, James A., assignor to United States Cartridge Co., Lowell, Mass. Manufacture of primer anvils. 1,664,480; Apr. 3.
- Murphy, James D., Montreal, Quebec, Canada. Escape-ment mechanism in typewriting machines. 1,674,054; June 19.
- Murphy, James I., Mountain View, Calif. Pitting tool. 1,671,043; May 22.
- Murphy, James J. (See Gordon, W. A., Murphy, and Perrone.)
- Murphy, James J., New Haven, Conn. Automatic valve and the like. 1,670,781; May 22.
- Murphy, James L., Mishawaka, Ind. Demountable rim. 1,674,788; June 26.
- Murphy, Jere J., Naugatuck, Conn. Hinge construction. 1,657,837; Jan. 31.
- Murphy, John J., assignor to The Davis-Warner Arms Corporation, Norwich, Conn. Gun. 1,692,995; Nov. 27.
- Murphy, Joseph E., et al. (See Hentschell, C. J. V., and Wheldon, assignors.)
- Murphy, Joseph H., Newark, N. J. Suspension clip. 1,687,581; Oct. 16.
- Murphy, Joseph R., Shelbyville, Tenn. Arrow-shooting gun. 1,683,574; Sept. 4.
- Murphy, Leonard, Dublin, Ireland. Apparatus for indicating the depth of liquids. 1,670,207; May 15.
- Murphy, Lloyd T., Franklin, Ohio. Calibrating instrument for paper-making machines. 1,680,690; Aug. 14.
- Murphy, Luke E., Milwaukee, Wis. Window fastener. 1,681,618; Aug. 21.
- Murphy, Morton, Rushville, Ind. Plate adjustment for toasters. 1,655,192; Jan. 3.
- Murphy, Morton, Rushville, Ind. Heater attachment for electric fans. 1,655,193; Jan. 3.
- Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
- Murphy, P. H., Company. (See Small, Arthur E., assignor.)
- Murphy, Paul B., Nyack, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Signal-receiving system. 1,661,261; Mar. 6.
- Murphy, Paul B., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 1,673,015; June 12.
- Murphy, Paul B., Nyack, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,695,057; Dec. 11.
- Murphy, Paul J., and G. B. Sontag, St. Louis, assignors to St. Stanislaus Seminary, Florissant, Mo. Hammock. 1,693,564; Nov. 27.
- Murphy, Ralph, assignor, by mesne assignments, to Franklin Development Corporation, Syracuse, N. Y. Clutch construction. 1,683,624; Sept. 11.
- Murphy, Robert N., Ottawa, Ontario, Canada. Plumbing fitting. 1,655,796; Jan. 10.
- Murphy, Robert S., assignor to The Electrograph Company, Detroit, Mich. Stamp-affixing apparatus. 1,669,946; May 15.
- Murphy, Roy E., assignor of one-third to F. E. Mefford, Colorado Springs, Colo. Bean harvester. 1,675,903; July 3.
- Murphy, William T. (See Leone, L. B. and Murphy.)
- Murr, Alfred C., and F. L. Curran, Chicago, Ill. Washing device. 1,692,563; Nov. 20.
- Murray, Alexander. (See Beebe, M. C., Murray, and Herlinger.)
- Murray, Alexander W., Wellesley Farms, Mass. Ice-cream cone or like article. Des. 75,638; June 26.
- Murray, Andrew P., Jackson, Mich. Bottle washer. 1,670,736; May 22.
- Murray, August J., Spalding, Mich. Nonreturn link for animal traps. 1,660,719; Feb. 28.
- Murray Body Corporation. (See Breneman, Paul E., assignor.)
- Murray Body Corporation. (See Moesta, Marvin W., assignor.)
- Murray Body Corporation. (See Vaillancourt, Edward, assignor.)
- Murray California Food Products Inc. (See Hulburt, Harvey L., assignor.)
- Murray Company, The. (See Hancock, William L., assignor.)
- Murray Company, The. (See Nevitt, Charles M., assignor.)
- Murray Corporation of America. (See Moesta, Marvin W., assignor.)
- Murray, Earle E., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Electromagnetic valve. 1,674,914; June 26.
- Murray, Emslie E., Schenectady, N. Y. Steam pipe for locomotive engines. 1,657,760; Jan. 31.
- Murray, Francis L. (See Honegger, E., and Murray.)
- Murray, Francis L. (See Wood, Alfred P., assignor.)
- Murray, Frank G., Chicago, Ill. Coin-feeding mechanism. 1,664,310; Mar. 27.
- Murray, George, and V. O. Simpkins, London, England. Automatically discharging liquids from chambers, automatic fountains, and the like devices. 1,694,335; Dec. 4.
- Murray, Henry H., Riverton, N. J., assignor to Victor Talking Machine Company. Motor mounting. 1,678,999; July 31.
- Murray, Howard J., New York, N. Y. Electric speedometer. 1,662,433; Mar. 13.
- Murray, Howard J., New York, N. Y., assignor, by mesne assignments, to H. A. Douglas, Bronson, Mich. Burglarproof induction coil. Re. 16,920; Apr. 3.
- Murray, Howard J., New York, N. Y., assignor to H. A. Douglas, Bronson, Mich. Control means. 1,693,721; Mar. 27.
- Murray, Howard J., Brooklyn, N. Y. Automatic speed-changing power-transmission device. 1,692,091; Nov. 20.
- Murray, Howard S., Los Angeles, Calif. Automatic cooker. 1,677,564; July 17.
- Murray, Hugh B., Wellington, New Zealand. Variable-speed gear and reverse for motor vehicles and other machines. 1,694,554; Dec. 11.
- Murray, John A., and E. B. McIntyre, San Francisco, Calif. Lumber-loading dock. 1,658,770; Feb. 7.
- Murray, Joseph B., and T. E., Jr., Brooklyn, N. Y. Heat-conducting tube. 1,682,404; Aug. 28.
- Murray, L. S. (See Anderson, James B., assignor.)

- Murray Manufacturing Company, The. (See Howe, James M., assignor.)
- Murray, Milton, Williams Wharf, Va. Fishing-tackle attachment. 1,665,144; Apr. 3.
- Murray Ohio Manufacturing Company. (See Kraeft, Herman L., assignor.)
- Murray, R. R., et al. (See Grames, Lawrence R., assignor.)
- Murray, Richard, New York, N. Y. Floor and ceiling construction. 1,679,914; Aug. 7.
- Murray, Richard, New York, N. Y. Ceiling construction. 1,679,915; Aug. 7.
- Murray, Richard H., Manchester, England. Light-reflecting device or unit. Re1,683; Jan. 31.
- Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 74,754; Mar. 20.
- Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 74,755; Mar. 20.
- Murray, Robert J., assignor to Francis J. Brunner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 74,756; Mar. 20.
- Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 75,278; May 22.
- Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 75,279; May 22.
- Murray, Robert J., assignor to Francis A. Bruner, Inc., Philadelphia, Pa. Valance for window draperies. Des. 75,280; May 22.
- Murray, Stanley G. (See Richardson, H., and Murray.)
- Murray, Thomas E. (See Hoffer, Le Roy H., assignor.)
- Murray, Thomas E. (See Holmes, Henry S., assignor.)
- Murray, Thomas E., jr. (See Murray, Joseph B. and T. E., jr.)
- Murray, Thomas E. (See Murray, T. E., jr., and Williams, assignors.)
- Murray, Thomas E. (See Phelps, George H., assignor.)
- Murray, Thomas E., jr. (See Phelps, G. H., and Murray, jr.)
- Murray, Thomas E. (See Rypinski, Albert B., assignor.)
- Murray, Thomas E. (See Williams, Herbert H., assignor.)
- Murray, Thomas E., jr., Brooklyn, N. Y. Electric welding process. 1,659,920; Feb. 21.
- Murray, Thomas E., jr., Brooklyn, N. Y. Electric butt welding. 1,660,425; Feb. 28.
- Murray, Thomas E., Brooklyn, N. Y. Brake drum. 1,662,585; Mar. 13.
- Murray, Thomas E., jr., New York, N. Y. Internal-combustion engine. 1,665,468; Apr. 10.
- Murray, Thomas E., jr., Brooklyn, N. Y. Butt welding. 1,667,487; Apr. 24.
- Murray, Thomas E., jr., Brooklyn, N. Y. Radiator. 1,673,370; June 12.
- Murray, Thomas E., Brooklyn, N. Y. Molding conduit. 1,674,445; June 19.
- Murray, Thomas E., Brooklyn, N. Y. Valve bonnet and the like. 1,679,324; July 31.
- Murray, Thomas E., jr., Brooklyn, N. Y. Radiator. 1,680,471; Aug. 14.
- Murray, Thomas E., Brooklyn, N. Y. Barrel. 1,682,403; Aug. 28.
- Murray, Thomas E., Brooklyn, N. Y. Boiler. 1,683,046; Sept. 4.
- Murray, Thomas E., Brooklyn, N. Y. Pump for refrigerants and the like. 1,686,339; Oct. 2.
- Murray, Thomas E., Brooklyn, N. Y. Pump for refrigerants and the like. 1,686,340; Oct. 2.
- Murray, Thomas E., Brooklyn, N. Y. Forming ways or ducts in plastic material. 1,687,879; Oct. 16.
- Murray, Thomas E., Brooklyn, N. Y. Heater. 1,693,043; Nov. 27.
- Murray, Thomas E., jr., Brooklyn, N. Y. Making axle-housing blanks. 1,693,044; Nov. 27.
- Murray, Thomas E., Brooklyn, N. Y. Making flanged tubes and other products. 1,693,045; Nov. 27.
- Murray, Thomas E., Brooklyn, N. Y. Drum, pipe, fittings, etc. 1,696,725; Dec. 25.
- Murray, Thomas E., jr., and H. H. Williams; said Williams assignor to T. E. Murray, Brooklyn, N. Y. Forming axle housings. 1,693,047; Sept. 4.
- Murray, William J., St. Paul, Minn. Removable barrel head. 1,658,853; Feb. 14.
- Murrell, Thomas E. (See Hauserman, E. F., Mowery, McClenaghan, and Murrell.)
- Murrow, William R. (See Winder, T. M., and Murrow.)
- Murry, Jasper T., and C. B. Patterson, Hattiesburg, Miss., assignors to Hercules Powder Company, Wilmington, Del. Apparatus for harvesting stumps. 1,663,277; Mar. 20.
- Murry, Mary, St. Louis, Mo. Educational game. 1,668,569; May 8.
- Mursch, John, Utica, assignor to Buffalo Hammer Mill Corporation, Buffalo, N. Y. Grinding mill. 1,675,658; July 3.
- Mursch, John, and C. F. Schutte, Utica, assignors to Buffalo Hammer Mill Corporation, Buffalo, N. Y. Centrifugal fan. 1,688,345; Oct. 23.
- Muryn, John J., Milwaukee, Wis. Metal building construction. 1,664,463; Apr. 3.
- Musante, Thomas A., Los Angeles, Calif. Articulator. 1,670,311; May 22.
- Musebeck, George E., assignor, by mesne assignments, to W. A. Edmonds, Milwaukee, Wis. Shoe. 1,686,292; Oct. 2.
- Muser, Herman, assignor to F. C. Thomas, Montclair, N. J. Bumper cover. 1,670,737; May 22.
- Musham, Harry A., Chicago, Ill. Military protractor. 1,660,624; Feb. 28.
- Musial, John, Uniontown, Pa. Life-saving device. 1,655,969; Jan. 10.
- Music Master Corporation. (See Zillger, Arno, assignor.)
- Musical Accessories Corporation. (See Romao, August, assignor.)
- Musil, James, and D. H. Gilchrist, Olivia, Minn. Snow-plow. 1,695,775; Dec. 18.
- Muskat, Louis R., assignor to Triangle Packaging Company, Chicago, Ill. Glue-applying apparatus. 1,692,048; Nov. 20.
- Musselman, Alvin J., Chicago, Ill. Automobile bumper. 1,681,677; Aug. 21.
- Musser, Robert B., Seattle, Wash. Refrigerating cars and cars for performing said method. 1,689,638; Oct. 30.
- Mussey, William H., and W. R. Peterson, assignors to Pullman Car & Manufacturing Corporation, Chicago, Ill. Platform and gate assembly. 1,670,546; May 22.
- Musso, Giuseppe, Habana, Cuba. System of electrical transmission. 1,688,346; Oct. 23.
- Mustad, O., & Son. (See Topp, Mathias, assignor.)
- Mutch, Harry A., et al. (See Hughes, Hugh R., assignor.)
- Muth, Carl, New York, N. Y. Window attachment. 1,654,992; Jan. 3.
- Muth, Friedrich. (See Ballauf, F., Muth, and Schmelzer.)
- Muth, Georg, Nuremberg, Germany. Making aluminum compounds. 1,661,618; Mar. 6.
- Muth, John H., assignor to C. F. Heinkel, Cleveland, Ohio. Lock means. 1,685,785; Oct. 2.
- Muther, Lorenz. (See Lautenschlager, William F., assignor.)
- Mutscheller, Arthur, New York, N. Y. Combined vacuum tube and transformer. 1,662,891; Mar. 20.
- Mutual Metal Manufacturing Company. (See Goodfriend, Henry, assignor.)
- Mutual Metal Manufacturing Company. (See Ludwig, George, assignor.)
- Mutual Orange Distributors. (See Post, Ethel L., assignor.)
- Mutual Trust Company of Philadelphia, executor. (See Marsh, Herbert R.)
- Muzzio, James A., assignor to R. S. Muzzio, Cleveland, Ohio. Padlock. 1,683,985; Sept. 11.
- Muzzio, Rosa S. (See Muzzio, James A., assignor.)
- Muzzy, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Gasoline gauge. 1,691,730; Nov. 13.
- Myers, Arthur L., assignor to Northern Engraving Company, La Crosse, Wis. Name plate. 1,685,334; Sept. 25.
- Myers, August G., Cleveland, Ohio. Bracket for lighting fixtures. Des. 74,984; Apr. 24.
- Myers, Carnon A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Collapsible core. 1,669,532; May 15.
- Myers, David W., Winnetka, and R. L. Sherman, Oak Park, Ill. Valve for milking machines. 1,662,617; Mar. 13.
- Myers, Don D., Toledo, Ohio, assignor to Monroe Auto Equipment Manufacturing Co., Monroe, Mich. Recoil-checking device. 1,663,022; Mar. 20.
- Myers, Don D., Toledo, Ohio. Automobile bumper. 1,687,880; Oct. 16.
- Myers, Don D., Toledo, Ohio, assignor to Monroe Auto Equipment Mfg. Co., Monroe, Mich. Pump base. 1,693,858; Dec. 4.
- Myers, Edward C., assignor to Wehr Company, Milwaukee, Wis. Adjustable housing for governors. 1,675,125; June 26.
- Myers, Edward C., assignor to Wehr Co., Milwaukee, Wis. Attachment for tractors. 1,689,796; Oct. 30.
- Myers, Edward G. (See Barry, W. B., Jr., and Myers.)
- Myers, Eldridge L., Washington, D. C. Internal-combustion engine. 1,670,374; May 22.
- Myers, Ernest C., Norwich, Conn. Fixture for shaving off filings in clutch plates. 1,689,797; Oct. 30.
- Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Tire valve. 1,669,206; May 8.
- Myers, George F., New York, N. Y. Amusement device. 1,659,697; Feb. 21.
- Myers, George F., New York, N. Y. Submarine. 1,690,547; Nov. 6.
- Myers, Harold L., Morristown, N. J. Display stand for merchandise. 1,687,136; Oct. 9.
- Myers, Harold L., Morristown, N. J. Display device for merchandise. 1,687,137; Oct. 9.
- Myers, Harold L., Morristown, N. J. Display stand for merchandise. 1,687,138; Oct. 9.
- Myers, Harold L., Morristown, N. J. Display device. 1,687,881; Oct. 16.
- Myers, Harry E., Buffalo, N. Y. Portable drier. 1,677,197; July 17.
- Myers, Harry L., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Base grinding-machine wheel. 1,669,994; May 15.
- Myers, Harry S., Van, Pa. Hoist attachment for tractors. 1,678,158; July 24.

- Myers, John, Oroville, Calif. Parking wheel for automobiles. 1,658,297; Feb. 7.
- Myers, John S. (See Schwendner, A. F., and Myers.)
- Myers, John T., and J. H. Carroll, West Palm Beach, Fla. Self-service store fixtures for vending merchandise. 1,684,637; Sept. 18.
- Myers, L. A., Jr., Inc. (See Myers, W. L., and Harrison, assignors.)
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,676,278; July 10.
- Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,676,279; July 10.
- Myers, Lewis C., Freeport, and G. F. Handley, Glendale, assignors to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,689,888; Oct. 30.
- Myers, Lewis E., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company, and H. H. Rockwell, as trustees. Detachable scroll support. 1,665,272; Apr. 10.
- Myers, Lewis E., Valparaiso, Ind., assignor, by mesne assignments, to The Northern Trust Company and H. H. Rockwell, trustees. Portable combination desk. 1,666,263; Apr. 17.
- Myers, Lewis E., and A. C. Carlson, Valparaiso, Ind., and C. S. Bates, Chicago, Ill., assignors, by mesne assignments, to The Northern Trust Company and H. H. Rockwell as trustees. Wheeled toy. 1,665,469; Apr. 10.
- Myers, Marion C., Tenino, Wash. Tire boot or patch. 1,666,863; Apr. 17.
- Myers, Milton E., assignor, by mesne assignments, to Vogue Glove Company, Inc., Gloversville, N. Y. Mittens. Des. 74,186; Jan. 3.
- Myers, Parke G., assignor to The Automatic Signal & Sign Company, Canton, Ohio. Method and apparatus for diffusing and coloring reflected rays of light. 1,662,123; Mar. 13.
- Myers, Roy H., Hagerstown, Md., assignor to W. H. Strauss. 1,694,948; Dec. 11.
- Myers, Simon, et al. (See Pate, George D., assignor.)
- Myers, Stanley D., Roseland, N. J. Belt fastening and riveting apparatus. 1,667,294; Apr. 24.
- Myers, Thomas G., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Insulating motor windings. 1,675,419; July 3.
- Myers, Walter S., Darby, Pa. Clutch control. 1,686,760; Oct. 9.
- Myers, William C., East St. Louis, Ill. Container. 1,679,621; Aug. 7.
- Myers, William L., Newark, N. J. Buckle. 1,656,751; Jan. 17.
- Myers, William L., Newark, and G. D. Harrison, Belleville, assignors to L. A. Myers, Jr., Inc., Newark, N. J. Button cover. 1,678,265; July 24.
- Myers, William L., St. Louis County, Mo. Carpenter's level. 1,683,256; Sept. 4.
- Myers, William M., St. Joseph, assignor to E. H. Roraback, Kansas City, Mo. Water purifier. 1,669,995; May 15.
- Myers, William M., St. Joseph, assignor to E. H. Roraback, Kansas City, Mo. Electric water purifier. 1,691,731; Nov. 13.
- Myers, Wilson R., and B. O. Opitz, Portland, Ore. Depositing apparatus. 1,685,460; Sept. 25.
- Myerson, Simon, Cambridge, Mass.. Mount for artificial teeth. 1,658,936; Feb. 14.
- Myerson, Simon, Cambridge, Mass. Backing for artificial teeth. 1,659,662; Feb. 21.
- Myerson, Simon, Cambridge, Mass. Artificial tooth. Waynesboro, Pa. Spark-plug-testing device. 1,695,557; Dec. 18.
- Mykins, William K., St. Louis, Mo. Plumber's lead-pipe-bending spring. 1,675,574; July 3.
- Myles Salt Company. (See Benjamin, Emanuel V., assignors.)
- Mylius, Walter G. (See Rutter, A. R., and Mylius.)
- Mylius, Walter G., Wilkinsburg, and B. G. La Bar, Turtle Creek, Pa., assignors to Westinghouse Electric and Manufacturing Company. Terminal cover. 1,669,570; May 15.
- Mylius, Walter G., Wilkinsburg, Pa., and C. M. Hoeffman, Newark, N. J., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. 1,684,191; Sept. 11.
- Mylius, Walter G., Wilkinsburg, and B. G. La Bar, Turtle Creek, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. 1,686,635; Oct. 9.
- Mylius, Walter G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,691,357; Nov. 13.
- Mynol Chemical Company, The. (See Anthony, Wendell P., assignor.)
- Mynol Chemical Company, The. (See Hurtt, S. M., and Nugent, assignors.)
- Myres, Robert W., assignor to Vattenborg Systems Inc., Seattle, Wash. Colonic mobile unit. 1,683,723; Sept. 11.
- Myrgren, Erik O., Bollstabruk, Sweden. Safety pin. 1,660,231; Feb. 21.
- Myrick, Clifford C., Tucson, Ariz. Leaf collector. 1,662,160; Mar. 13.
- Mystic Washer Company. (See Kettler, Martin F., assignor.)
- N. C. L. Engineering Corporation. (See Noble, Warren, assignor.)
- N. V. Handelmaatschappij Feriron. (See Levoz, Tous-saint, assignor.)
- N. V. Hazemeyer's Signal-Apparaten. (See Akemann, Walther, assignor.)
- N. V. Instituut voor Aero- en Hydro-Dynamiek. (See Flettner, Anton, assignor.)
- N. V. Machina Maatschappij vor Handel en Industrie. (See Fischer, Oskar, assignor.)
- N. V. Nederlandsche Instrumenten Compagnie. (See Mouton, Willem A., assignor.)
- N. V. Nederlandsche Instrumenten Compagnie. (See van den Bergh, Samuel J., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Bol, Cornelis, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Coster, D., and von Hevesy, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See de Boer, Jan H., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Holst, Gilles, assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See Reufel, Heinrich M. H., assignor.)
- N. V. Philips' Gloeilampenfabrieken. (See van Arkel A. E., and de Boer, assignors.)
- N. V. Philips' Gloeilampenfabrieken. (See van der Pol, Balthazar, assignor.)
- Naab, George F., Lakewood, Ohio, assignor to The North American Manufacturing Company. Recuperator-type oil burner. 1,687,105; Oct. 9.
- Naamlooze Vennootschap Appingedammer Bronsmotoren-fabriek. (See Brons, Jan, assignor.)
- Naamlooze Vennootschap: "De Komeet." (See van Haasteren, Johannes M., assignor.)
- Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines Volgens van Berkel's Patent en van andere Werktuigen. (See van Berkel, Cornelius F. M., assignor.)
- Naamlooze Vennootschap Machinefabriek "Reineveld." (See Tol, Hermanus F., assignor.)
- Naamlooze Vennootschap Nederlandsche Fabriek van Werktuigen en Spoorwegmaterieel genaamd "Werk-spoor." (See Lugt, Gerard J., assignor.)
- Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek. (See Romp, Hendrik A., assignor.)
- Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek. (See Vles, S. I., and Bouman, assignors.)
- Naamlooze Vennootschap Nederlandsche Lumino-tron Maatschappij. (See Nakken, Theodorus H., assignor.)
- Naamlooze Vennootschap Philips' Gloeilampenfabrieken. (See Holst, G., Oosterhuis, and Bruijnes, assignors.)
- Naatz, Hermann, Berlin-Charlottenburg, assignor, by mesne assignments, to firm Luft-Fahrzeug Gesellschaft m. b. H., Kleiststr., Berlin, Germany. Nonrigid airship. 1,682,405; Aug. 28.
- Nabow, David. (See Lee, W. S., Pfahler, and Nabow.)
- Nacey, Harry M., Chicago, Ill. Alarm valve for automatic sprinkling systems. 1,661,442; Mar. 6.
- Nachenius, H. A. J. de B., Haarlem, Netherlands. Driving gear for the bucket chains of dredgers. 1,687,845; Oct. 16.
- Nachod, Carl P., assignor to Nachod Signal Company, Incorporated, Louisville, Ky. Periodic circuit controller. 1,688,826; Oct. 23.
- Nachod Signal Company. (See Nachod, Carl P., assignor.)
- Nacken, Hermann, Wurselen, assignor to Aachener Maschinenbau-Gesellschaft m. b. H., Aachen, Germany. Needle-feeding mechanism. 1,692,380; Nov. 20.
- Nadel, Harry, New York, N. Y. Holding device. 1,666,662; Apr. 17.
- Naef, M., & Co. (See Ruzicka, Leopold, assignor.)
- Naeher, Paul. (See Jubien, P., and Naeher.)
- Naert, Alexis, Detroit, Mich. Apparatus for extracting gas and oil from waste. 1,693,456; Nov. 27.
- Nagao, Seturô, Tokyo, Japan. Unloading machine. 1,676,041; July 3.
- Nagasaki, Haruzo, Ochiai Machi, Japan. Treating tea. 1,673,264; June 12.
- Nagel, August, Stuttgart, Germany. Apparatus for measuring liquid fuel. 1,657,838; Jan. 31.
- Nagel, August, Stuttgart, Germany. Liquid-measuring device. 1,659,372; Feb. 14.
- Nagel-Chase Mfg. Co., The. (See Schultze, Edward, assignor.)
- Nagel, Otto, and W. Kaempfer, assignors to Badische Maschinenfabrik & Eisengiesserei vormals G. Sebold und Sebald & Neff, Durlach, Baden, Germany. Method of and apparatus for delivering sand into molds. 1,677,726; July 17.
- Nagel, Theodore, Brooklyn, N. Y. Fuel. 1,658,814; Feb. 14.
- Nagel, Theodore, Brooklyn, N. Y. Fuel material. 1,666,663; Apr. 17.
- Nagel, W. G., Electric Company, The. (See Adams, Harry E., assignor.)
- Nagel, W. G., Electric Company, The. (See Adams, H. E., and Decker, assignors.)
- Nagel, W. G., Electric Company, The. (See Decker, Hugh L., assignor.)
- Nagel, W. G., Electric Company, The. (See Adams, Clark M., assignor.)
- Nagin, Harry, assignor to The Tri-Lok Company, Pitts-burgh, Pa. Tread carrier. 1,666,341; Apr. 17.

- Nagin, Harry, assignor to The Tri-Lok Company, Pittsburgh, Pa. Grating. 1,674,479; June 19.
- Nagin, Harry, assignor to Tri-Lock Company, Pittsburgh, Pa. Grating structure. 1,693,399; Nov. 27.
- Nagin, Harry, and W. H. Van Orden, assignors to The Tri-Lok Company, Pittsburgh, Pa. Antislip tread and making the same. 1,657,446; Jan. 24.
- Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic machine. 1,656,012; Jan. 10.
- Nagler, Forrest, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic apparatus. 1,671,083; May 22.
- Nagy, Andrew, South Bend, Ind. Window guard. 1,657,839; Jan. 31.
- Nagy, John, Jessup, Pa. Drill support. 1,661,956; Mar. 6.
- Nagy, Louis, Hamilton, Ontario, Canada, assignor of three-tenths to M. Daradice. Aeroplane. 1,678,523; July 24.
- Nahon, Edward E., New York, N. Y. Chair. Des. 74,384; Feb. 7.
- Naileigh, Ellis W., Eureka, Calif. Internal-combustion turbine. 1,677,198; July 17.
- Nair, Archie F. and H. A., Glendale, Calif. Bomber attachment for aeroplanes with gas bombs. 1,690,791; Nov. 6.
- Nair, Hobert A. (See Nair, Archie F. and H. A.)
- Nairn, John S., Elwood, Victoria, Australia. Amusement device. 1,658,733; Feb. 7.
- Najder, Kasimir W., Royal Oak, assignor of one-fourth to I. S. Gellert, Detroit, Mich. Sleeve-valve engine. 1,688,741; Oct. 23.
- Nakabara, Toichi, Shimoshibuya, near Tokyo, Japan. Door lock. 1,675,041; June 26.
- Nakashian, Jacob S., Watertown, Mass. Straightening rugs. 1,688,088; Oct. 16.
- Nakashima, Yozo, Brooklyn, N. Y. Amusement device. 1,678,573; July 24.
- Nakken, Theodor H., Jersey City, N. J., assignor to Naamloose Vennootschap Nederlandsche Luminofoon Maatschappij, Rotterdam, Netherlands. Transforming light impulses into electric-current impulses. Re16,870; Feb. 7.
- Namesier, Henri, Oloron-Sainte-Marie, France. Elastic wheel. 1,660,845; Feb. 28.
- Naamloose Vennootschap Machinerieën en Apparaten Fabrieken. (See Van Vloten, F. V., and Klebert, assignors.)
- Nance, Oran H., Baltimore, Md. Oil separator. 1,682,304; Aug. 28.
- Nance, William O., assignor to Delete Company, Inc., Tulsa, Okla. Cleansing compound and making same. 1,657,893; Jan. 31.
- Nancolas, William L., Modesto, Calif. Hair-waving implement. 1,666,217; Apr. 17.
- Nande Corporation. (See Everett, Edward A., assignor.)
- Nanj, Dinshaw R., Birchfields, Birmingham, England. Manufacturing pulp for paper. 1,679,441; Aug. 7.
- Napier Co., The. (See Schuelke, Emil A., assignor.)
- Napon Rayon Corporation. (See Jessen, Charles C., assignor.)
- Napp, Isidor O., New York, N. Y. Cone-winding device. 1,673,580; June 12.
- Narber, Simon D. S., Marshalltown, Iowa. Rail fastening and track structure. 1,656,386; Jan. 17.
- Narbo, Martin, Brooklyn, N. Y. Dispensing faucet. 1,696,687; Dec. 25.
- Nardone, Frank, Philadelphia, Pa. Accordion. 1,693,616; Dec. 4.
- Nardone, Ugo, Fondi, Caserta, Italy. Smoke-generating furnace. 1,658,136; Feb. 7.
- Narme, David O. Y. (See Heffernan, Edward, assignor.)
- Narragansett Machine Company. (See Thornley, Albert E., assignor.)
- Nasby, Alexander, Gordon, W. Va. Railway tie. 1,676,107; July 3.
- Nash, Arthur E., Philadelphia, and J. S. Alcorn, Cynwyd, assignors to Alcorn Combustion Company, Philadelphia, Pa. Radiating combustion chamber. 1,694,393; Dec. 11.
- Nash, Charles B., assignor to Standard Sanitary Manufacturing Company, Pittsburg, Pa. Lavatory bowl. Des. 76,700; Oct. 23.
- Nash, Charles B., assignor to Standard Sanitary Manufacturing Company, Pittsburg, Pa. Lavatory. Des. 76,760; Oct. 30.
- Nash, Charles J. (See Schmidt, F. J., jr., and Nash.)
- Nash, Charles J., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft rigging for railway cars. 1,688,593; Oct. 23.
- Nash, Clarence A., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Articles having polished surfaces. 1,655,507; Jan. 10.
- Nash, Clarence A., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Production of plastic composition materials. 1,692,856; Nov. 27.
- Nash, David H., Petersburg, Va. Safety brake for motor-driven vehicles. 1,674,915; June 26.
- Nash Engineering Company. (See Jennings, Irving C., assignor.)
- Nash, Ernest J., Detroit, Mich. Dishwasher. 1,664,084; Mar. 27.
- Nash, Harold L., South Norwalk, Conn. Core-cleaning tool. 1,671,649; May 29.
- Nash, James H., Caldwell, N. J., assignor to Lee Nash Displays, Incorporated, New York, N. Y. Advertising display stand. Des. 74,187; Jan. 3.
- Nash, Lee, Displays, Incorporated. (See Nash, James H., assignor.)
- Nashua Gummed & Coated Paper Company. (See Clark, George L., assignor.)
- Nashua Gummed & Coated Paper Company. (See Nunez, Vasco E., assignor.)
- Nashua Gummed and Coated Paper Company. (See Van Sluys, Adolph C., assignor.)
- Nashua Manufacturing Company. (See Laliberte, Joseph H., assignor.)
- Naslin, John O., Seattle, Wash. Server of household articles. 1,677,404; July 17.
- Nasmith, John W., Manchester, England. Combing machine for textile fibers. 1,663,170; Mar. 20.
- Nasmith, John W., Manchester, England. Comb in combing machines. 1,676,702; July 10.
- Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 1,678,822; July 31.
- Nasmith, John W., assignor to Nasmith's Patents Limited, Manchester, England. Automatic feed device. 1,678,159; July 24.
- Nasmith's Patents Limited. (See Nasmith, John W., assignor.)
- Nason, Arthur P. (See Crosman, G. L., and Nason.)
- Nass, Edward W., New Orleans, La. Fuse-controlled switch. 1,674,339; June 19.
- Nathan, Albert F. (See De Leeuw, Adolph L., assignor.)
- Nathan, Emil, trustee. (See Lorton, Frank D., assignor.)
- Nathan, John. (See Helfenstein, Frederick, jr., and J., assignor.)
- Nathan Manufacturing Company. (See Ashe, William O., assignor.)
- Nathanson, Isaac R., Toledo, Ohio. Glare shield. 1,686,341; Oct. 2.
- Natho, Fritz, Oppenheim, Germany. Swimming glove. 1,669,010; May 8.
- National Accessories Corporation. (See Gehersky, William W., assignor.)
- National Acme Company, The. (See Russell, Oliver A., assignor.)
- National Acme Company, The. (See Simpson, Charles W., assignor.)
- National Acme Company, The. (See Smith, O. A., and Kinley, assignors.)
- National Advertising Corporation. (See Wilkes, William H., assignor.)
- National Air Filter Company. (See Birkholz, Hans E., assignor.)
- National Aluminate Corporation. (See Christman, Clarence H., assignor.)
- National Aluminate Corporation. (See Derr, Ralph B., assignor.)
- National Aluminate Corporation. (See Evans, Wilson, assignor.)
- National Aluminate Corporation. (See Moberg, Arthur R., assignor.)
- National Aniline & Chemical Co. (See Davis, Archibald H., jr., assignor.)
- National Aniline & Chemical Co. (See Dieterle, Paul, assignor.)
- National Aniline & Chemical Co. (See Durbin, William O., assignor.)
- National Aniline & Chemical Company. (See Faber, Henry B., assignor.)
- National Aniline & Chemical Co. (See Field, Crosby, assignor.)
- National Aniline & Chemical Co. (See Geller, Leon W., assignor.)
- National Aniline & Chemical Co. (See Hess, R. W., and Cunningham, assignors.)
- National Aniline & Chemical Co. (See Hess, R. W., and Siemann, assignors.)
- National Aniline & Chemical Company. (See Jewett, Joseph E., assignor.)
- National Aniline & Chemical Co. (See Kranz, Frederick H., assignor.)
- National Aniline & Chemical Co. (See Lyford, Chauncey A., assignor.)
- National Aniline & Chemical Co. (See Meyers, Sidney E., assignor.)
- National Aniline & Chemical Co. (See Mortimer, F. S., and Hess, assignors.)
- National Aniline & Chemical Co. (See Murch, Wilfred M., assignor.)
- National Aniline & Chemical Co. (See Penny, James P., assignor.)
- National Aniline & Chemical Company. (See Rogers, Donald G., assignor.)
- National Aniline & Chemical Co. (See Wait, Justin F., assignor.)
- National Aniline & Chemical Co. (See West, Byron L., assignor.)
- National Art Novelty Company. (See Newton, George W., assignor.)
- National Automatic Tool Company, The. (See Bockhoff, William F., assignor.)
- National Automatic Tool Company, The. (See Bockhoff, Harry W., assignor.)
- National Automatic Tool Company, The. (See Dine, Frank W., assignor.)

- National Automatic Tool Company, The. (See Galloway, Robert M., assignor.)
 National Automatic Tool Company, The. (See Galloway, R. M., and Burton, assignors.)
 National Automatic Tool Company, The. (See Galloway, R. M., and Sterling, assignors.)
 National Automatic Tool Company. (See Peters, Frebert J., assignor.)
 National Automatic Tool Company, The. (See Stickney, Charles A., assignor.)
 National Automatic Tool Company, The. (See Sterling, R. E., Bockhoff, and Hopkins, assignors.)
 National Bearing Metals Corporation. (See Crawford, Samuel W., assignor.)
 National Biscuit Company. (See Smith, George, assignor.)
 National Biscuit Company. (See Taylor, George A., assignor.)
 National Blank Book Company. (See Schade, John, assignor.)
 National Brake Company. (See Meyer, Ralph J., assignor.)
 National Brake & Electric Company. (See Aikman, Burton S., assignor.)
 National Brass Company. (See Dexter, Lucien A., assignor.)
 National Brass Manufacturing Company. (See Wray, Charles F., assignor.)
 National Bread Wrapping Machine Company. (See Gordon, Frank A., assignor.)
 National Bread Wrapping Machine Company. (See Gordon, F. A., and Phelps, assignors.)
 National Bread Wrapping Machine Company. (See Sévigné, Henri A., assignor.)
 National Bread Wrapping Machine Company. (See Sévigné, H. A., and Poulin, assignors.)
 National Carbon Company et al. (See Alschuler, Ernest, assignor.)
 National Carbon Company. (See Baldwin, Allen T., assignor.)
 National Carbon Company. (See Briggs, Arthur J., assignor.)
 National Carbon Company. (See Cain, Charles C., Jr., assignor.)
 National Carbon Company. (See Eckstein, Reuben, assignor.)
 National Carbon Company. (See Gillingham, Charles A., assignor.)
 National Carbon Company. (See Hendry, William F., assignor.)
 National Carbon Company. (See Helse, G. W., and Thompson, assignors.)
 National Carbon Company. (See Lynn, Ralph B., assignor.)
 National Carbon Company. (See Lyon, G. A., Erwin, and Helse, assignors.)
 National Carbon Company. (See McCann, J. J., and Birdsall, assignors.)
 National Carbon Company. (See Osean, Charles, assignor.)
 National Carbon Company. (See Plimmer, Alfred G., assignor.)
 National Carbon Company. (See Roffy, Joseph T., assignor.)
 National Carbon Company. (See Smith, Edward C., assignor.)
 National Carbon Company. (See Voorhees, Leo J., assignor.)
 National Carbon Company. (See Vreeland, George V. C., assignor.)
 National Carbon Company. (See Weber, Frederick L., assignor.)
 National Carbon Company. (See Yngve, V., and Birdsall, assignors.)
 National Carbon Company. (See Yngve, V., and Vail, assignors.)
 National Carbon Company Inc. (See Hendry, W. F., and Yngve, assignors.)
 National Cash Register Company, The. (See Christian, Raymond A., assignor.)
 National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)
 National Cash Register Company, The. (See Holmes, William H., assignor.)
 National Cash Register Company, The. (See Hummerich, Elton E., assignor.)
 National Cash Register Company, The. (See Kömmeling, Leo G. A., assignor.)
 National Cash Register Company, The. (See Kreider, Walter J., assignor.)
 National Cash Register Company, The. (See Oberhauser, Emil E., assignor.)
 National Cash Register Company, The. (See Ostendorf, Lawrence C., assignor.)
 National Cash Register Company, The. (See Robertson, William H., assignor.)
 National Cash Register Company, The. (See Scott, H. B., and Warner, assignors.)
 National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
 National Cash Register Company, The. (See Tatousek, Charles, assignor.)
 National Cash Register Company, The. (See Tönsmann, Henry, assignor.)
 National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
 National Cash Register Company, The. (See Von Pein, Edwin J., assignor.)
 National Casket Company. (See Falck, Joseph E., assignor.)
 National City Bank of New York, The, et al., administrators. (See Broido, Benjamin.)
 National Electric Manufacturing Company. (See Weyandt, Carl S., assignor.)
 National Electric Products Corporation. (See Frederickson, Otto A., assignor.)
 National Electric Products Corporation. (See Staples, Horace A., assignor.)
 National Electrical Supply Company. (See Schofield, Samuel T., assignor.)
 National Enameling and Stamping Company. (See Had-dick, Henry J., assignor.)
 National Enameling & Stamping Co. (See Sladky, Alexander C. and J., assignors.)
 National Equipment Company. (See Bausman, Alonzo L., assignor.)
 National Fabric and Finishing Company. (See Ericson, Emile, assignor.)
 National Fabric and Finishing Company. (See Siracusan, Louis, assignor.)
 National Fibreform Company. (See Eaton, Leslie B., assignor.)
 National Fire Proofing Company. (See Bevier, Philip H., assignor.)
 National Fire Proofing Company. (See Gunther, F. W., and Fisher, assignors.)
 National Fireworks, Inc. (See Anderson, Robert J., assignor.)
 National Folding Box Company. (See Ryan, J. J., and Gaffney, assignors.)
 National Fruit Product Company. (See Harbeck, Frank M., assignor.)
 National Gauge and Equipment Company. (See Bruckner, Rudolph E., assignor.)
 National Gauge & Equipment Company. (See Cheney, Moses E., assignor.)
 National Gauge & Equipment Company. (See Gelatt, Philo M., assignor.)
 National Gauge & Equipment Company. (See Padesky, John R., assignor.)
 National Graphite Lubrication Company. (See Watres, Lewis S., assignor.)
 National Grave Vault Co., The. (See Bisantz, Fred, assignor.)
 National Grave Vault Co., The. (See Brick, Perry A., assignor.)
 National Gypsum Company. (See Williams, Clarence E., assignor.)
 National India Rubber Company. (See Hucstis, Thomas B., assignor.)
 National Lace and Embroidery Company. (See Schmid, Werner.)
 National Laundry Machine Co. Inc. (See Seifert, John W., assignor.)
 National Lead Company. (See Hallerman, Frank W. A., assignor.)
 National Lead Company. (See Hallett, Robert L., assignor.)
 National Lead Company. (See Newnam, William E., assignor.)
 National Lime Association. (See McCormick, J. A., and Cabell, assignors.)
 National Lock Co. (See North, Edwin W., assignor.)
 National Lock Washer Company, The. (See Loutrel, Cyrus H., assignor.)
 National Machinery Co., The. (See Clouse, William L., assignor.)
 National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)
 National Malleable and Steel Castings Company. (See Bazeley, A. J., and Metzger, assignors.)
 National Malleable & Steel Castings Company. (See Fawcett, Leroy, assignor.)
 National Malleable and Steel Castings Company. (See Hoagland, Albert J., assignor.)
 National Malleable and Steel Castings Company. (See Holt, John W., assignor.)
 National Malleable and Steel Castings Company. (See Robinson, David, assignor.)
 National Malleable and Steel Castings Company. (See Robinson, D., and Wittmor, assignors.)
 National Malleable and Steel Castings Company. (See Schwartz, Harry A., assignor.)
 National Manufacturing Company of America. (See Walker, Harry, assignor.)
 National Marine Lamp Co., The. (See Armstrong, H. W., and Geruldsen, assignors.)
 National Metal Molding Company. (See Clayton, Martin M., assignor.)
 National Metal Products Company. (See MacMillan, Harry, assignor.)
 National Paper Can Company, The. (See Annen, James E., assignor.)
 National Paper Products Company. (See Brisbois, Nicholas M., assignor.)
 National Paper Products Company. (See Cohn, Max M., assignor.)
 National Pneumatic Company. (See Conklin, Roscoe D., assignor.)
 National Pneumatic Company. (See Forman, Paris R., assignor.)

- National Pneumatic Company. (See Gottschalk, Albert, assignor.)
- National Pneumatic Company, The. (See Graff-Baker, William S., assignor.)
- National Pneumatic Company, The. (See Hockley, H. R., and White, assignors.)
- National Pneumatic Company. (See Meyers, George W., assignor.)
- National Pneumatic Company. (See Paul, Abram F., assignor.)
- National Pneumatic Company. (See Rowntree, Harold, assignor.)
- National Pole & Treating Company. (See Valentine, Robert D., assignor.)
- National Pump and Compressor Company. (See Wilson, Edward, assignor.)
- National Recording Pump Company, The. (See Eickmeyer, Earl E., assignor.)
- National Refrigerating Company. (See Ensign, Emory S., assignor.)
- National Refrigerating Company. (See Keyes, Frederick G., assignor.)
- National Refrigeration Corporation. (See Dennison, French E., assignor.)
- National Refrigeration Company. (See Dennison, F. E., and Ireland, assignors.)
- National Refrigeration Corporation. (See Ireland, Ward S., assignor.)
- National Refrigeration Corporation. (See Lipman, Carl E. L., assignor.)
- National Refrigeration Corporation. (See Wishart, William, assignor.)
- National Regulator Company. (See Larson, John M., assignor.)
- National Rubber Machinery Company. (See De Mattia, Barthold, assignor.)
- National Rubber Machinery Company. (See De Mattia, Peter, assignor.)
- National Rubber Machinery Company. (See Weaver, Ralph J., assignor.)
- National Safety Appliance Company. (See Folker, Howard S., assignor.)
- National Sales Company. (See Kibby, Albert S., assignor.)
- National Sales Machine Company. (See Fry, Benjamin L., assignor.)
- National Screw and Manufacturing Company, The. (See Erdman, Harvey C., assignor.)
- National Screw and Manufacturing Company, The. (See Mortus, Benjamin H., assignor.)
- National Screw and Manufacturing Company, The. (See Stickler, Walter H., assignor.)
- National Seal Company. (See Doweiko, James C., assignor.)
- National Sewing Machine Company. (See List, Raymond F., assignor.)
- National Society of the Daughters of the American Revolution, The. (See Moss, Arline B. N., assignor.)
- National-Standard Company. (See Hirschl, Marcus A., assignor.)
- National-Standard Company. (See Hopkins, Arthur C., assignor.)
- National Standard Company. (See Johnson, Alfred H., assignor.)
- National Standard Company. (See Pierce, Robert C., assignor.)
- National Supply Company, The. (See Archer, Merton T., assignor.)
- National Supply Company, The. (See Mahan, J. R., and Picard, assignors.)
- National Supply Company, The. (See Schwimmer, Frederick J., assignor.)
- National Supply Company, The. (See Wright, Clyde S., assignor.)
- National Supply Company, The. (See Wright, C. S., and Mahan, assignors.)
- National Supply Company, The. (See Young, Forrest J., assignor.)
- National Supply Company of Delaware, The. (See Faulkner, D. S., and Timbs, assignors.)
- National Supply Company of Delaware, The. (See Timbs, Edward, assignor.)
- National Survault Company. (See Plaggmier, Robert C., assignor.)
- National Tag Manufacturing Corporation. (See Kuhns, John P., assignor.)
- National Teleregister Corporation. (See Favarger, Francois, assignor.)
- National Tile Company, The. (See Jones, L. S., Fisher, and Henrikson, assignors.)
- National Tile Company, The. (See Jones, L. S., Henrikson, and Fisher, assignors.)
- National Trading Co. (See Poranski, Walter, assignor.)
- National Tube Company. (See Baines, J. E., and Bosle, assignors.)
- National Tube Company. (See Boax, John J., assignor.)
- National Tube Company. (See Boax, J. J., and Robinoff, assignors.)
- National Tube Company. (See Felding, William H., assignor.)
- National Tube Company. (See Weller, George L., assignor.)
- National Turnbuckle Derrick Company. (See Besse, Carl H., assignor.)
- National Vehicle Rim Corporation. (See Jones, William A., assignor.)
- National Vending Service Company. (See Smith, Landon D., assignor.)
- National Vulcanized Fibre Company. (See Shoemaker, William M., Jr., assignor.)
- National Watch & Jewelry Co. (See Ritholz, Benjamin D., assignor.)
- National Water Lift Company. (See Fairchild, Roland J., assignor.)
- Natural Color Pictures Company. (See Fox, William F., assignor.)
- Natural Flower Metalizing Co. (See Maas, Frederick, assignor.)
- Natural Soil Conservation Company. (See Muehleisen, Gottlieb, assignor.)
- Nature's Rival Co. (See Mayer, Clarence, assignor.)
- Natzel, George H., and F. E. Jackson, Santa Ana, Calif. Building. Des. 75,511; June 12.
- Naudain, John E., Sparrows Point, Md. Metal-bending machine. 1,675,126; June 26.
- Nauer, Edward, San Francisco, Calif. Gas heater. 1,655,658; Jan. 10.
- Nauer, Edward, San Francisco, Calif. Heater. 1,663,722; Mar. 27.
- Naugatuck Chemical Company, The. (See Adams, H. S., and Meuser, assignors.)
- Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
- Naugatuck Chemical Company, The. (See Cude, Harold E., assignor.)
- Naugatuck Chemical Company, The. (See Johnston, W. S., and Keen, assignors.)
- Naugatuck Chemical Company, The. (See Maximoff, Alexander T., assignor.)
- Naugatuck Chemical Company, The. (See Ostromislensky, Iwan, assignor.)
- Naugatuck Chemical Company, The. (See Ostromislensky, I., and Shepard, assignors.)
- Naugatuck Chemical Company, The. (See Owen, Allen F., assignor.)
- Naugatuck Chemical Company, The. (See Shepard, Morris G., assignor.)
- Naugatuck Chemical Company, The. (See Smith, Omar H., assignor.)
- Naugle, Frank, Dormont, Pa. Light-dimmer switch. 1,673,581; June 12.
- Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, by mesne assignments, to The Columbia Steel Company, Pittsburgh, Pa. Floor joist. 1,694,514; Dec. 11.
- Naugle, Harry M., and A. J. Townsend, Canton, Ohio, assignors, by mesne assignments, to The Columbia Steel Company, Pittsburgh, Pa. Welding machine. 1,694,555; Dec. 11.
- Naugle, John J. (See Wickenden, Leonard, assignor.)
- Nauck, John L. (See Hunt, A. L., and Nauck.)
- Naul, James M., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric power transmitter. 1,663,607; Mar. 27.
- Naumann, Willi, Bielefeld, Germany. Cash register. 1,669,996; May 15.
- Naumburg, Robert E., Winchester, Mass. Apparatus for adjusting automobile curtains. 1,677,287; July 17.
- Naumburg, Robert E., Winchester, Mass. Container for disinfectants. 1,683,792; Sept. 11.
- Naunton, Leonard, Marrickville, near Sydney, New South Wales, Australia. Coin-freed vending apparatus. 1,656,752; Jan. 17.
- Naunton, William J. S. (See Cronshaw, C. J. T., and Naunton.)
- Nauss, Friedrich, Vienna, Austria. Knife-edge bearing for weighing apparatus. 1,667,635; Apr. 24.
- Navarro, Saturnino G., Habana, Cuba. Plowhandle. 1,675,904; July 3.
- Navarro y Gonzalez, Roman, Habana, Cuba. Packing machine. 1,682,275; Aug. 28.
- Nawiasky, Paul. (See Braunsdorf, O., Holzapfel, and Nawiasky.)
- Nayer, Carl F., Chicago, Ill., assignor to Fulton Machine Co. Paper-gripping device for plate printers. 1,664,700; Apr. 3.
- Naylor, Leslie W., Florence, assignor to Continental Oil Company, Denver, Colo. Revivification of filtering materials. 1,693,206; Nov. 27.
- Naylor, Leslie W., Florence, assignor to Continental Oil Company, Denver, Ohio. Apparatus for revivification of filtering materials. 1,693,207; Nov. 27.
- Naylor, Robert E., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Chuck. 1,664,085; Mar. 27.
- Naylor Radio Corporation. (See Sears, Sterling G., assignor.)
- Naylor, William K., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator structure. Re17,150; Dec. 4.
- Naylor, William K., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator structure. 1,673,582; June 12.
- Nazzareno, Eusebi, Telluride, Colo. Electric safety switch. 1,686,707; Oct. 9.
- Nead, John H. (See Reinartz, L. F., and Nead.)
- Nead, William S. (See Cagan, S., and Nead.)
- Nehr, Jacob E., Hartsdale, N. Y. Match safe. 1,681,250; Aug. 21.
- Neal, Burton, St. Louis, and G. H. Hebebrand, Kinloch, Mo. Driving mechanism for producing gyratory motion of a suspended body. 1,661,673; Mar. 6.

- Neal, Burton, St. Louis, and G. H. Hebebrand, Kinloch, Mo. Percentage feeder. 1,694,484; Dec. 11.
- Neal, Dora, et al. (See Pate, George D., assignor.)
- Neal, Enoch E., Malden, Mass. Ventilating apparatus for toilet bowls. 1,667,265; Apr. 24.
- Neal, Frank S. (See Hendrickson, Boyd R., assignor.)
- Neal, Franklin G., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building apparatus. 1,659,634; Feb. 21.
- Neal, Franklin G., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building apparatus. 1,659,635; Feb. 21.
- Neal, James B., assignor to Norton Laboratories, Inc., Lockport, N. Y. Escutcheon plate. 1,660,346; Feb. 28.
- Neal, Leon P., Indianapolis, Ind. Rheostat. 1,679,539; Aug. 7.
- Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. Re17,026; July 10.
- Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. Re17,028; July 10.
- Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Re17,029; July 10.
- Neal, Spencer G., New York, W. Astle, Brooklyn, N. Y., and E. P. Wilson, East Orange, N. J., assignors to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. Re17,027; July 10.
- Neale, Fred, assignor to General Motors Corporation, Detroit, Mich. Porous metal plug for valve lubrication. 1,687,780; Oct. 16.
- Neale, Samuel, jr., New York, and J. G. Westmeyer, jr., Mount Vernon, N. Y. Dice game. 1,668,818; May 8.
- Neall, Newitt J., Brookline, and R. W. Chadbourn, Melrose, Mass., assignors to Oxford Paper Company, New York, N. Y. Electric steam boiler and operating the same. 1,688,201; Oct. 16.
- Neall, Newitt J., Brookline, and R. W. Chadbourn, Melrose, Mass., assignors to Oxford Paper Company, New York, N. Y. Electrode for electric boilers. 1,688,202; Oct. 16.
- Neary, Charles A., Oakland, Nebr. Electric vehicle lamp. 1,655,559; Jan. 10.
- Nebel, Ernst O., Philadelphia, assignor to Oscar Nebel Co., Inc., Hatboro, Pa. Stocking. Des. 75,805; July 17.
- Nebel, Ernst O., Philadelphia, assignor to Oscar Nebel Co., Inc., Hatboro, Pa. Stocking. Des. 76,701; Oct. 23.
- Nebel, Ernst O., Philadelphia, assignor to Oscar Nebel Co., Inc., Hatboro, Pa. Stocking. Des. 76,885; Nov. 13.
- Nebel, Ernst O., Philadelphia, Pa. Stocking. Des. 77,117; Dec. 4.
- Nebel, Ernst O., Philadelphia, Pa. Manufacturing full-fashioned hosiery. 1,665,972; Apr. 10.
- Nebel, Miguel E., New York, N. Y. Jumping figure toy. 1,657,936; Jan. 31.
- Nebel, Oscar, Co. (See Nebel, Ernst O., assignor.)
- Nebel, William, Charlotte, N. C. Feeding attachment for knitting machines. 1,682,050; Aug. 28.
- Neblett, Charlie C., Norfolk, Va. Pipe cutter. 1,683,912; Sept. 11.
- Nebraska Printing Company. (See Gearing, Harry, assignor.)
- Necheff, Steve, Indianola, Pa. Conveyor construction. 1,671,950; May 29.
- Neebe, Lawrence L., Woodbury, N. J. Locomotive. 1,655,970; Jan. 10.
- Neebe, Lawrence L., Woodbury, N. J. Support for locomotive air pumps, etc. 1,668,570; May 8.
- Neebe, Lawrence L., Woodbury, N. J. Throttle valve. 1,679,257; July 31.
- Neebe, Lawrence L., Woodbury, N. J., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Fire-box foundation ring. 1,688,203; Oct. 16.
- Needham, Charles B., Allentown, Pa., assignor to Bethlehem Foundry & Machine Company. Grinding mill. 1,690,125; Nov. 6.
- Needham, Dawson H., P. Pearson, and W. H. Dawson, Anaconda, Mont. Launder. 1,674,789; June 26.
- Needham, John C., assignor to Evershed & Vignoles Limited and himself, London, England. Electrical transmission system. 1,665,857; Apr. 10.
- Needham, Ruby W., and J. I. Wagoner, Greensboro, N. C. Attachment for separable buttons. 1,656,219; Jan. 17.
- Needle, Sam L. (See Panalle, A., and Needle.)
- Neef, Adolph J., Brooklyn, N. Y. Radio dial construction. 1,670,272; May 15.
- Neeley Chemical Company. (See Neeley, William M., assignor.)
- Neeley, William M., assignor to Neeley Chemical Company, Amarillo, Tex. Boiler compound. 1,667,670; Apr. 24.
- Neelmeier, Wilhelm. (See Schweltzer, H., and Neelmeier.)
- Neelmeier, Wilhelm, Leverkusen-on-the-Rhine, and W. Rebner, Leipzig, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Mordant disazo dyestuffs. 1,660,625; Feb. 28.
- Neelmeier, Wilhelm, Leverkusen, near Cologne, and H. Schneider, Stammheim, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Red disazo dyes for cotton printing. 1,663,950; Mar. 27.
- Neelmeier, Wilhelm, Leverkusen, near Cologne-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Hydroxy-naphthalene-aryl-sulphoester azo dyestuff and making the same. 1,676,407; July 10.
- Neelmeier, Wilhelm, Leverkusen-on-the-Rhine, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Hydroxy-naphthalene-aryl-sulphoester azo dyestuff and making the same. 1,676,458; July 10.
- Neelmeier, Wilhelm, Leverkusen, near Cologne-on-the-Rhine, and T. Nocken, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Naphthophenazine dyestuffs. 1,686,026; Oct. 2.
- Neely, George W., Santa Ana, Calif. Safety device for banks. 1,694,556; Dec. 11.
- Neely, Herbert G., Anderson, Ind. Keyboard mechanism. 1,661,443; Mar. 6.
- Neely, William H., assignor to Graham Brothers, Evansville, Ind. Underslung tire carrier. Re16,923; Apr. 3.
- Nees, Bernard M., Hyattsville, and Z. Rubottom, Takoma Park, Md. Indention device for typographical machines. 1,662,934; Mar. 20.
- Nees, William, Drexel Hill, Pa. Dies for forming throat sheets for boilers. 1,692,684; Nov. 20.
- Neethling, Lenore, Chicago, Ill. Ornamenting textiles. 1,662,161; Mar. 13.
- Nefczesauskas, Joseph S., Cleveland, Ohio. Door-handling mechanism. 1,679,227; July 31.
- Neff, Harry D., Newport, Pa. Extension handle for wrenches. 1,689,639; Oct. 30.
- Neff, James A., Lakewood, Ohio. Luminous fishing tackle. 1,663,465; Mar. 20.
- Neff, John W., Easton, Pa. Ornamented paper. Des. 76,200; Aug. 28.
- Neff, Paul W., Cincinnati, Ohio. Transmission-operating device. 1,687,139; Oct. 9.
- Neigen, August, Godesberg, Germany. Production of partial negatives or diapositives for multicolor printing. 1,661,079; Feb. 28.
- Negler, Theophil, Milwaukee, Wis. Chain fastener. 1,672,078; June 5.
- Negley, Clarence A., Larned, Kans. Grease gun. 1,672,421; June 5.
- Neider, F. A., Company. (See Yates, Nathaniel, jr., assignor.)
- Neidich, Samuel A. (See Mendel, William, assignor.)
- Neidich, Samuel A., Edgewater Park, N. J. Treating filaments. 1,654,552; Jan. 3.
- Neidich, Samuel A., Edgewater Park, N. J. Apparatus for dehydrating viscose products. 1,654,553; Jan. 3.
- Neidich, Samuel A., Edgewater Park, N. J. Stop mechanism. 1,660,086; Feb. 21.
- Neidich, Samuel A., Edgewater Park, N. J. Colloid product. 1,670,162; May 15.
- Neidich, Samuel A., Edgewater Park, N. J. Viscose-treating apparatus. 1,683,478; Sept. 4.
- Neidich, Samuel A., Edgewater Park, N. J. Filament-drying apparatus. 1,691,165; Nov. 13.
- Neidig, John R., Oilmont, Mont. Manicuring implement. 1,694,336; Dec. 4.
- Neikirk, Walter M., assignor to Southern Textile Machinery Company, Paducah, Ky. Pliers. 1,684,775; Sept. 18.
- Neil, Bertram, Borger, Tex. Rivet-finishing tool. 1,665,751; Apr. 10.
- Neill, David S., Genoa, Italy. Lifeboat. 1,685,719; Sept. 25.
- Neill, Strange E., Bakersfield, Calif. Swimming glove. 1,679,679; Aug. 7.
- Neilsen, Carl, Detroit, Mich. Vehicle signal housing. Des. 74,335; Feb. 7.
- Neilsen, Carl P., Long Beach, Calif. Standing-valve puller. 1,676,661; July 10.
- Neilson, Albert A., Beachwood, N. J. Combination saw and square. 1,685,721; Sept. 25.
- Neilson, Albert H., Tulsa, Okla. Swivel rope socket. 1,678,706; July 31.
- Neilson, James P., sr., Tulsa, Okla. Derrick. 1,658,535; Feb. 7.
- Neilson, Mary D., Minneapolis, Minn. Garment of inelastic material. 1,670,474; May 22.
- Neilson, Mary D., Minneapolis, Minn. Making undergarments of inelastic material. 1,680,267; Aug. 7.
- Neilson, Robert E., Tulsa, Okla. Sand pump. 1,672,275; June 5.
- Neilson, William, et al. (See Exley, Charles N., assignor.)
- Neiman, Howard S. (See Roeger, Fred, assignor.)
- Neiman, Howard S., Brooklyn, N. Y. Container. 1,660,347; Feb. 28.
- Neisler, Charles E., jr., Kings Mountain, N. C. Attachment for looms. 1,665,274; Apr. 10.
- Neitzel, Conrad T., assignor to B. H. Ashby, Dallas, Tex. Well-testing tool. Re16,991; June 12.
- Neitzel, Conrad T., assignor to B. H. Ashby, Dallas, Tex. Well-testing tool. 1,673,419; June 12.
- Nejedly, Peter M., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Package stamper. 1,682,406; Aug. 28.
- Neldner, Stephen W., Milwaukee, Wis. Adjustable rack. 1,657,226; Jan. 24.
- Nellis, Joseph J., Brooklyn, N. Y., and S. N. Arnold, Plainfield, N. J., assignors to Foster Wheeler Corporation, New York, N. Y. Handhole closure. 1,659,301; Feb. 14.

- Nelis, Joseph J., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Marine steam-generating unit. 1,677,901; July 24.
- Nelis, Joseph J., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Superheater for Scotch boilers. 1,685,930; Oct. 2.
- Nelkin, Celia. (See Brady, T. G., and Nelkin.)
- Nell, Gustave M., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Valve for rock drills. 1,687,381; Oct. 9.
- Nell, Pieter J. G., The Hague, and D. J. Schouten, Lisse, Netherlands. Sterilizing vegetable products. 1,661,140; Feb. 28.
- Neller, Albert H., assignor to New Boss Manufacturing Co. Inc., Fairfield, Iowa. Valve for supplying compressed air. 1,659,329; Feb. 14.
- Neller, Joseph R., Pullman, Wash., and G. M. Vance, Tulsa, Okla., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Refining oil. 1,672,621; June 5.
- Nelles, Lafayette H., London, England. Rotary mixer. 1,693,935; Dec. 4.
- Nelms, John H., et al. (See Hulse, James E., assignor.)
- Nelson, Adolph, Seattle, Wash. Automatic lubricating valve. 1,672,079; June 5.
- Nelson, Adolph E., Chelsea, Okla. Manhole cover for oil tanks. 1,680,060; Aug. 7.
- Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Core-knockout device. 1,674,655; June 26.
- Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,681,621; Aug. 21.
- Nelson, Adolph L., Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 1,681,709; Aug. 21.
- Nelson, Albert, San Francisco, Calif. Fireplace damper. 1,655,873; Jan. 10.
- Nelson, Albert, Buffalo, Minn. Operating means for musical instruments. 1,685,240; Sept. 25.
- Nelson, Almar, Chicago, Ill. Antiskid chain for automobiles. 1,659,044; Feb. 14.
- Nelson, Andrew S., Maple Plain, Minn. Plow. 1,686,874; Oct. 9.
- Nelson, Anna M. (See Hansen, Mads P., assignor.)
- Nelson, Ashton T., Wilton Junction, Iowa. Memorial building. Des. 75,862; July 24.
- Nelson, B. F., Manufacturing Company, The. (See Olsen, Christian M., assignor.)
- Nelson, Bernard S., assignor to A. M. Lockett & Company, Ltd., New Orleans, La. Spray nozzle. 1,674,480; June 19.
- Nelson, Bert J., assignor to White Showers, Inc., Detroit, Mich. Fluid-pressure oscillating motor. 1,672,227; June 5.
- Nelson Bros. and Strom. (See Strom, C. O., and Nelson, assignor.)
- Nelson, Carl G. (See Hallstrom, E. G., and Nelson.)
- Nelson, Carl G., deceased, Pittsburgh, Pa.; H. C. Nelson, executrix. Trousers hanger. 1,678,679; July 31.
- Nelson, Cecil O., Minneapolis, Minn. Game-playing machine. 1,696,359; Dec. 25.
- Nelson, Charles A., Chicago, Ill. Game appliance. 1,662,278; Mar. 13.
- Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Sash construction. 1,687,305; Oct. 9.
- Nelson, Charles G., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Device for securing plate glass. 1,693,046; Nov. 27.
- Nelson, Charles S., Sandpoint, Idaho. Vacuum tank. 1,682,141; Aug. 28.
- Nelson, Charles S., assignor to M. L. Bruce, Sandpoint, Idaho. Puncturing wheel. 1,675,042; June 26.
- Nelson, Charles W., assignor to Tablet & Ticket Company, Chicago, Ill. Bulletin board. 1,658,937; Feb. 14.
- Nelson, Christian K., Chicago, Ill., assignor to Frozen Products Corporation, Incorporated. Eskimo-pie cabinet. 1,654,828; Jan. 3.
- Nelson, Claude A. (See Thomas, T. H., and Nelson.)
- Nelson, Claude A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control device. 1,693,656; Dec. 4.
- Nelson, Daniel, Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Packaging merchandise for shipment. 1,683,843; Sept. 11.
- Nelson, Edmund H., and E. F. Tingwall, assignor to Jamestown Blower Company, Jamestown, N. Y. Paint-spray booth. 1,682,407; Aug. 28.
- Nelson, Edward, Everett, and G. F. Higgins, Melrose, Mass.; said Nelson assignor to said Higgins. Coin-controlled lock. 1,668,727; May 8.
- Nelson, Elmer L., Chicago, Ill. Glazing bar. 1,677,650; July 17.
- Nelson, Elmer M., St. Paul, Minn. Portable roofing holder. 1,661,192; Mar. 6.
- Nelson, Elnathan K., Takoma Park, Md., assignor to The Government and the People of the United States of America. Manufacture of thymal from umbellulone. 1,666,342; Apr. 17.
- Nelson, Eloff L., Kansas City, Mo. Reloading clip. 1,655,624; Jan. 10.
- Nelson, Emil A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Cap nut. Des. 76,255; Sept. 4.
- Nelson, Emil A., Roseville, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Disk-wheel structure. 1,656,220; Jan. 17.
- Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Machine for rolling metallic disks. 1,665,818; Apr. 10.
- Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Machine for rolling wheel disks. 1,683,368; Sept. 4.
- Nelson, Emil A., Abington, assignor to Budd Wheel Company, Philadelphia, Pa. Making rims. 1,691,491; Nov. 13.
- Nelson, Emil A., Roseville, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Cover for tire-valve apertures. 1,693,589; Dec. 4.
- Nelson, Emma, Minneapolis Minn. Mattress carrier. 1,689,960; Oct. 30.
- Nelson, Eric, Wilmington, Calif., assignor, by mesne assignments, to Pacific Door and Sash Company. Wall table. 1,658,771; Feb. 7.
- Nelson, Eric H., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Straight-tube fuel-oil heater. 1,657,027; Jan. 24.
- Nelson, Eric H., Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Fuel-oil heater. 1,657,028; Jan. 24.
- Nelson, Frank, Newkirk, Okla. Spring-lock key. 1,688,742; Oct. 23.
- Nelson, Frank O., Tekoa, Wash. Valve. 1,690,027; Oct. 30.
- Nelson, Fred N., Seattle, Wash. Ventilator. 1,667,736; May 1.
- Nelson, Fred N., Seattle, Wash. Engine housing. 1,694,790; Dec. 11.
- Nelson, George F., Berkeley, Calif. Pump. 1,672,422; June 5.
- Nelson, George F., Berkeley, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo. Apparatus for producing and using cold vapors. 1,659,663; Feb. 21.
- Nelson, Gerald D., New York, N. Y., assignor to Radio Corporation of America. Radio football score board. 1,687,033; Oct. 9.
- Nelson, Gust, assignor of one-half to F. R. Pendleton, Vancouver, British Columbia, Canada. Floating tensions for cableways. 1,685,720; Sept. 25.
- Nelson, Gust, assignor of one-half to F. R. Pendleton, Vancouver, British Columbia, Canada. Conveyer. 1,693,208; Nov. 27.
- Nelson, Gustave C., assignor to The Borg & Beck Company, Moline, Ill. Vacuum feed system. 1,687,175; Oct. 9.
- Nelson, Gustave C., assignor to The Borg & Beck Company, Moline, Ill. Vacuum-feed system. 1,690,202; Nov. 6.
- Nelson, H. S., et al. (See Stroup, Robert D., assignor.)
- Nelson, Henry, Gwinner, N. Dak. Steam generator. 1,659,609; Feb. 21.
- Nelson, Henry A., Bijou Hills, S. Dak. Trimmer. 1,665,109; Apr. 3.
- Nelson, Henry T. (See Carter, William W., assignor.)
- Nelson, Herbert M., jr. (See Strom, C. O., and Nelson.)
- Nelson, Herman, Corporation, The. (See Otis, Gerald E., assignor.)
- Nelson, Herman O., Doty, Wash. Transporter. 1,690,454; Nov. 6.
- Nelson, Hubert E. (See Brown, C. R., and Nelson.)
- Nelson, Hulda C., executrix. (See Nelson, Carl G.)
- Nelson, Ike J., et al. (See Rodgers, Ralph S., assignor.)
- Nelson, Ira I., Boston, and C. Smith, Worcester, Mass.; said Smith assignor to said Nelson. Spring-pressure relief valve. 1,686,875; Oct. 9.
- Nelson, James M., Youngstown, Ohio. Method of and apparatus for casting metal. 1,679,582; Aug. 7.
- Nelson, James R. (See Martin, William A., assignor.)
- Nelson, Jennings, Chicago, Ill. Signal system. 1,659,890; Feb. 21.
- Nelson, John, New York, N. Y. Lining-up reamer for connecting rods. 1,659,495; Feb. 14.
- Nelson, John H., Chicago, Ill., assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,657,840; Jan. 31.
- Nelson, John H., Worcester, Mass. Burner. 1,688,827; Oct. 23.
- Nelson, John N., assignor to Universal Optical Corporation, Providence, R. I. Temple for ophthalmic mounting. Des. 75,131; May 8.
- Nelson, John T., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Handle lock for pneumatic tools. 1,677,199; July 17.
- Nelson, Julius A., Savannah, Ga. Type-cleaning kit. 1,681,810; Aug. 21.
- Nelson, Lawrence. (See Bergh, I. G., and Nelson.)
- Nelson, Leigh G., assignor to Fiber-Glass Food Cover Co., Chicago, Ill. Display cover. 1,654,284; Jan. 3.
- Nelson, Lettie Z., St. Joseph, Mo. Sanitary-napkin holder. 1,695,153; Dec. 11.
- Nelson, Lewen R., Peoria, Ill. Sprinkler. 1,677,485; July 17.
- Nelson, Lewen R., Peoria, Ill. Lawn sprinkler. 1,677,486; July 17.
- Nelson, Lewis D., Coldwater, Mich., assignor to Bates Valve Bag Corporation, Chicago, Ill. Bag-filling machine. 1,658,734; Feb. 7.
- Nelson, Lloyd F., Seattle, Wash. Device used in pie baking. 1,687,846; Oct. 16.

- Nelson, Martin L., Park Ridge, Ill., assignor to Automatic Electric Inc., Chicago, Ill. Code-signaling system. Des. 17,006; June 19.
- Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic battery-charging system. 1,659,045; Feb. 14.
- Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Testing equipment for automatic telephone systems. 1,659,832; Feb. 21.
- Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multioffice telephone system. 1,665,273; Apr. 10.
- Nelson, Martin L., Park Ridge, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Impulse-testing equipment. 1,693,725; Dec. 4.
- Nelson, Martin L. (See Richardson, R. G., and Nelson.)
- Nelson, Max C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire mold. 1,673,525; June 12.
- Nelson, N. P., Iron Works Inc. (See Nelson, N. P., and James, assignors.)
- Nelson, Nels P., et al. (See Johnson, Matts, assignor.)
- Nelson, Nels P., and F. W. James, assignors to N. P. Nelson Iron Works Inc., Passaic, N. J. Wagon-loading device for tractors. 1,662,832; Mar. 20.
- Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Extensible bracelet. 1,659,438; Feb. 14.
- Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet end hook. 1,659,439; Feb. 14.
- Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Company, Attleboro Falls, Mass. Bracelet extension device. 1,690,498; Nov. 6.
- Nelson, Nils T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Fastener for bracelet links. 1,669,571; May 15.
- Nelson, Oscar V., Racine, Wis. Window-screen frame. 1,664,311; Mar. 27.
- Nelson, Owen F., assignor to Copeland Products Inc., Detroit, Mich. Refrigeration. 1,661,381; Mar. 6.
- Nelson, Paul A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Lubricator. 1,660,087; Feb. 21.
- Nelson, Paul R., U. S. Army, Fort Totten, N. Y. Circuit closer. 1,662,979; Mar. 20.
- Nelson, Ralph L., assignor to C. G. Willett, Grand Rapids, Mich. Road scraper. 1,660,806; Feb. 28.
- Nelson, Reynold G., assignor to The Spun Steel Corporation, Canton, Ohio. Metal-spinning apparatus. 1,671,994; June 5.
- Nelson, Reynold G., assignor to The Spun Steel Corporation, Canton, Ohio. Spun-metal manufacture and product. 1,680,061; Aug. 7.
- Nelson, Robert O., Portland, Oreg. Variable traffic signal. 1,665,560; Apr. 10.
- Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,674,871; June 26.
- Nelson, Samuel A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing mechanism for looms. 1,679,622; Aug. 7.
- Nelson, Sven T., Chicago, Ill., assignor to Sullivan Machinery Company. Valve mechanism. 1,668,865; May 8.
- Nelson, Sven T., Chicago, Ill., assignor to Sullivan Machinery Company. Cutting tool. 1,679,049; July 31.
- Nelson, Sven T., Oak Park, Ill., assignor to Sullivan Machinery Company. Heat-exchange device. 1,679,134; July 31.
- Nelson, Sven T., Michigan City, Ind., assignor to Sullivan Machinery Company. Forging machine. 1,680,254; Aug. 7.
- Nelson, Swan, Chicago, Ill. Pop-corn machine. 1,682,018; Aug. 28.
- Nelson, Theodore J., Chicago, Ill. Shade and globe holder. 1,674,446; June 19.
- Nelson, Victore E. (See McCalmont, Albertus W., assignor.)
- Nelson, Victor E., Redford, Mich. Packing for rods and shafts. 1,674,256; June 19.
- Nelson, William B., Fairfield, Ala. Method and apparatus for removing scale. 1,655,020; Jan. 3.
- Nelson, William E., Minneapolis, Minn. Reversible shingle. 1,657,271; Jan. 24.
- Nelson, William K., Chicago, Ill. Composition construction. 1,671,995; June 5.
- Nelson, William K., assignor to Universal Gypsum & Lime Co., Chicago, Ill. Heat and sound insulating filler and installing and drying the same. 1,656,387; Jan. 17.
- Nelthorpe, Henry F., Los Angeles, Calif. Buoyant soap dish. 1,690,591; Nov. 6.
- Nemcovsky, Louis A., assignor to Sun Typewriter Company, New York, N. Y. Portable-typewriting-machine frame. Des. 76,626; Oct. 16.
- Nemcovsky, Louis A., assignor, by mesne assignments, to Sun Typewriter Company, New York, N. Y. Typewriting machine. 1,684,801; Sept. 18.
- Nemec, Fred A., Brea, Calif. Eccentric yoke. 1,695,776; Dec. 18.
- Nemeth, Bert C. (See Nemeth, Steffen P., assignor.)
- Nemeth, Steffen P., assignor, by mesne assignments, of one-half to B. C. Nemeth, Chicago, Ill. Putter attachment. 1,684,192; Sept. 11.
- Nemeth, Steffen P., and E. M. Hayden, Chicago, Ill. Arm rest for vehicles. 1,660,043; Feb. 21.
- Nemeth, Stephen, Hammond, Ind. Cover and cap remover. 1,661,080; Feb. 28.
- Nemeth, Steve, Shegon, W. Va. Collocating tool gauge. 1,661,081; Feb. 28.
- Neeninger, Lester F. (See Einstein, S., Neeninger, and Isler.)
- Neeninger, Lester F., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless work guide. 1,663,991; Mar. 27.
- Neptune Meter Company. (See Marden, William L., assignor.)
- Neptun, Richard C., Indianapolis, Ind. Roof. 1,690,792; Nov. 6.
- Ner-A-Car Corporation. (See Neracher, Carl A., assignor.)
- Neracher, Carl A., Syracuse, N. Y., assignor to Ner-A-Car Corporation. Driving and controlling mechanism for motor vehicles. 1,658,137; Feb. 7.
- Neracher, Carl A., Syracuse, N. Y., assignor to Ner-A-Car Corporation. Motor vehicle. 1,660,880; Feb. 28.
- Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Combined temple bar and end piece for ophthalmic mountings. Des. 75,861; July 24.
- Nero, Arthur A., Abrams, Wis. Aeroplane. 1,665,713; Apr. 10.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Cable grip. 1,667,636; Apr. 24.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,671,837; May 29.
- Nero, Arvid H., West Hartford, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,672,727; June 5.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,679,442; Aug. 7.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,685,858; Oct. 2.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Binding post. 1,689,080; Oct. 23.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,690,028; Oct. 30.
- Nesbitt, James H., assignor to The Akron Rubber Mold and Machine Company, Akron, Ohio. Mold cutting machine. 1,673,987; June 19.
- Nesheim, Anders H., Milwaukee, assignor to Federal Steel Sash Company, Waukesha, Wis. Ventilating-skylight-operating device. 1,664,894; Apr. 3.
- Nesmith, Ralph H., Grosse Pointe Park, assignor to Morgan & Wright, Detroit, Mich. Tire. Des. 76,886; Nov. 13.
- Nessler, Charles, New York, N. Y. Protective shield for hair waving. 1,660,566; Feb. 28.
- Nessler, Charles, New York, N. Y. Hair curler. 1,663,771; Mar. 27.
- Nessler, Charles, New York, N. Y. Hair-winding means. 1,663,772; Mar. 27.
- Nessler, Charles, New York, N. Y. Hair-waving curler. 1,679,488; Aug. 7.
- Nessler, Charles G., New York, N. Y. Electric heater for waving hair. Des. 74,235; Jan. 10.
- Nessler, Charles G., New York, N. Y. Hair-waving heater support. 1,656,221; Jan. 17.
- Nestler, Emil, assignor to Nestler Rubber Fusing Co., Inc., New York, N. Y. Mold. 1,660,653; Feb. 28.
- Nestler Rubber Fusing Co. (See Nestler, Emil, assignor.)
- Nestor, Henry M., Omaha, Nebr. Game apparatus. 1,662,162; Mar. 13.
- Nestor, Joseph P., Lykens, Pa., assignor to Reiff & Nestor Company, Incorporated. Thread restorer. 1,694,229; Dec. 4.
- Neth, George J., assignor to The Egly Register Company, Dayton, Ohio. Autographic register. 1,663,023; Mar. 20.
- Nethercutt, Edgar S. (See Colman, Howard D., assignor.)
- Nethercutt, Edgar S. (See Peterson, Burt A., assignor.)
- Nethercutt, Edgar S. (See Peterson, Burt A., assignor.)
- Netherlands, Nita G., Ballsville, Va. Jar top. 1,665,602; Apr. 10.
- Netschert, Frank, New York, N. Y. Combination furniture. 1,675,375; July 3.
- Netschert, Franz, assignor to Technical Glass Company, Inc., Los Angeles, Calif. Closure fastener. 1,674,409; June 19.
- Netter, George J., sr., Independence, Mo. Loose leaf book. 1,673,842; June 19.
- Netterman, John, Island Heights, N. J. Valve. 1,681,553; Aug. 21.
- Netheim, Keith S., Manly, near Sydney, New South Wales, Australia. Sport boot and shoe. 1,675,905; July 3.
- Nettleton, A. E., Company. (See Cook, Henry W., assignor.)
- Nettleton, Lewis L. (See Grondahl, L. O., and Nettleton.)

- Nettleton, Lewis L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,691,206; Nov. 13.
- Netzel, Archie B. (See Hansard, C. S., and Netzel.)
- Neu, Eugene C., Ridgefield, assignor to The Schwarzenbach-Huber Company, Union City, N. J. Thread cleaner. 1,679,258; July 31.
- Neubauer, Charles A., Glencoe, Minn. Cigar machine. 1,658,459; Feb. 7.
- Neubauer, Emil T., Port Huron, Mich. Rotary valve for internal-combustion engines. 1,682,088; Aug. 28.
- Neubauer, Ferdinand, Brooklyn, Ohio. Micrometer. 1,667,562; Apr. 24.
- Neubert, Oskar. (See Günzler, H., and Neubert.)
- Neuberth, Emma. (See Neuberth, Franklin G., assignor.)
- Neuberth, Franklin G., assignor to E. Neuberth, Ansonia, Conn. Button. 1,655,918; Jan. 10.
- Neuberth, George E., Newark, N. J. Golf club. 1,669,836; May 15.
- Neudecker, Louis, et al. (See Kreft, Ewald, assignor.)
- Neue Glühlampen-Gesellschaft mit beschränkter Haftung. (See Hauschild, M., and Berger, assignors.)
- Neuendorf, John B., San Antonio Tex. Gasoline substitute and process of making. 1,666,976; Apr. 24.
- Neuenfelt, Mary C., Detroit, Mich. Journal box. 1,656,125; Jan. 10.
- Neufeldt & Kuhnke. (See Thoma, Hans, assignor.)
- Neufeldt & Kuhnke Betriebsgesellschaft m. b. H. (See Wasserkampf, Friedrich R., assignor.)
- Neubart, Emil. (See Quinn, Felix, assignor.)
- Neuhaus, Gottfried, Eberswalde, Germany. Sorting machine. 1,677,247; July 17.
- Neuhaus, Ralph. (See Scott, F. L., and Neuhaus.)
- Neuhengen, Alexander J., Chicago, Ill. Machine for forming beaded hoops from flat metal strips. 1,656,445; Jan. 17.
- Neuls, Joseph D., Los Angeles, Calif., assignor to California Cyanide Company, Inc., New York, N. Y. Dispensing apparatus. 1,666,178; Apr. 17.
- Neumann, August, Reppen, Germany, assignor, by mesne assignments, to The Permutit Company, New York, N. Y. Apparatus for softening water. 1,675,860; July 3.
- Neumann, Fritz, Nuremberg, Germany. Centrifugal pump. 1,680,906; Aug. 14.
- Neumann Fuel Saver Co., The. (See Neumann, George, assignor.)
- Neumann, George, assignor to The Neumann Fuel Saver Co., Milwaukee, Wis. Automatic damper. 1,656,677; Jan. 17.
- Neumann, Karl, Milwaukee, Wis. Artificial limb. 1,685,290; Sept. 25.
- Neumann, R., Hardware Co., The. (See Stuart, Frank T., assignor.)
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Lamp construction. 1,672,080; June 5.
- Neuner, Frederick W. C., assignor to Indiana Lamp Corporation, Connersville, Ind. Reflector-supported light-socket mounting. 1,695,465; Dec. 18.
- Neuroth, John, assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing-machine-operating mechanism. 1,689,744; Oct. 30.
- Neusbaum, Charles W., assignor to Beech-Nut Packing Company, Rochester, N. Y. Container for preserving foods. 1,657,272; Jan. 24.
- Neuser, Arthur J. (See Gauger, F. A., Johnson, and Neuser.)
- Neusiis, Carl H. (See Hedrick, J. G., and Neusiis.)
- Neustadter Bros. (See Davis, Simon E., assignor.)
- Neutrasol Products Corporation. (See Pohl, Edward, assignor.)
- Neutype Instrument Company. (See Hein, George N., assignor.)
- Neuvert, David, Herington, Kans. Concrete-tile-manufacturing machine. 1,666,606; Apr. 17.
- Neuwirth, Herman, Brooklyn, assignor to Testrite Instrument Co., New York, N. Y. Hydrometer. 1,694,138; Dec. 4.
- Neuy, Heinrich, Hamburg, Germany. Vehicle for receiving and transporting refuse and the like. 1,686,167; Oct. 2.
- Nevel, Elmer R., Lock Haven, Pa. Hot-air-furnace attachment. 1,680,907; Aug. 14.
- Neveu, Frank A., Los Angeles, Calif. Window shade. 1,683,844; Sept. 11.
- Neveux, Fortunato, Rivoli, assignor to O. M. I. M. Officina Meccanica Industria Maglieria, Turin, Italy. Circular knitting frame. 1,674,217; June 19.
- Neveux, Fortunato, Rivoli, assignor to O. M. I. M. Officina Meccanica Industria Maglieria, Turin, Italy. Stripping apparatus for circular-hosiery machines. 1,679,680; Aug. 7.
- Nevière, Louis A., Tours, France, assignor to American Lighter Corporation, New York, N. Y. Pocket lighter. 1,675,861; July 3.
- Nevill, Richard, & Company Limited, et al. (See Corbin, Francis D., assignor.)
- Neville, Frederick W., assignor to J. W. Jackman & Company Limited, Vulcan Works, Salford, England. Tumbling barrel. 1,678,072; July 24.
- Neville, Neil, assignor to Federal Phosphorus Company, Birmingham, Ala. Phosphate reducer for bottom chrome dyeing. 1,675,459; July 3.
- Nevills, John J., Sacramento, Calif., assignor to Libby, McNeill & Libbey, Chicago, Ill. Fruit grader. 1,663,639; Mar. 27.
- Nevin, Donald A., assignor to Autodex Company, Waynesboro, Pa. Card-indexing device. 1,662,534; Mar. 13.
- Nevin, Donald A., assignor to Autodex Company, Waynesboro, Pa. Card-indexing machine. 1,662,535; Mar. 13.
- Nevins Church Press, The. (See Locke, Edwin A., Jr., assignor.)
- Nevis, Alba, New York, N. Y. Ornamenting velvet and the like. 1,654,895; Jan. 3.
- Nevitt, Charles M., assignor to The Murray Company, Dallas, Tex. Pneumatic cotton cleaner. 1,658,493; Feb. 7.
- New, Albert L. (See Davis, Dean W., assignor.)
- Newark Concrete Pipe Co. (See Sherrerd, Francis H., assignor.)
- Newark Noveloid Company. (See Smith, Joseph J., assignor.)
- New Beeman Tractor Company. (See Mader, Joseph, assignor.)
- New Beeman Tractor Company. (See Peters, Cornelius A., assignor.)
- Newberg, Ida. (See Hamilton, Thomas G., assignor.)
- Newberry, Claire S. (See Gilstrap, F. M., and Newberry.)
- Newbery, John W., Rockville Center, N. Y. Liquid-fuel burner. 1,660,348; Feb. 28.
- New Boss Manufacturing Co. Inc. (See Neller, Albert H., assignor.)
- New Britain Machine Company, The. (See Brown, Robert S., assignor.)
- New Britain Machine Company. (See Victory, William J., assignor.)
- Newburger, A., Electric Co. (See Newburger, A., and Schultz, assignors.)
- Newburger, Anton, deceased, Brooklyn, N. Y., and E. Schultz, Harrington Park, N. J.; C. L. A. Newburger, executrix, assignors to A. Newburger Electric Co., Brooklyn, N. Y. Stage lighting. 1,660,349; Feb. 28.
- Newburger, Clara L. A., executrix. (See Newburger, A., and Schultz.)
- Newbury, Frank D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inert-gas protective chamber for hydrogen-cooled machines. 1,686,027; Oct. 2.
- New Castle Refractories Company. (See Laschenski, Charles W., assignor.)
- New Castle Refractories Company. (See Marshall, James V., assignor.)
- New Castle Refractories Company. (See Morris, George D., assignor.)
- New Castle Refractories Company. (See Vincent, Laurence A., assignor.)
- Newcomb, Edward C., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,684,501; Sept. 18.
- Newcombe-Hawley, Inc. (See Andres, Paul G., assignor.)
- Newcomer, Ernest J., et al. (See Gillis, Lyle N., assignor.)
- Newcomer, Ernest J., et al. (See Marshall, Thomas A., assignor.)
- Newcomer, Harry S. (See Staats, H. P., and Newcomer.)
- Newcomer, Irving A., assignor to The Consolidated Paper Company, Monroe, Mich. Laminated-paper machine. 1,669,011; May 8.
- New Departure Manufacturing Company, The. (See Allen, Carlos H., assignor.)
- New Departure Manufacturing Company, The. (See Baldwin, Harry G., assignor.)
- New Departure Manufacturing Company, The. (See Brown, Raymond L., assignor.)
- New Departure Manufacturing Company, The. (See De-laval-Crow, Thomas C., assignor.)
- New Departure Manufacturing Company, The. (See De-laval-Crow, T. C., and Simmons, assignors.)
- New Departure Manufacturing Company, The. (See Gearing, Charles M., assignor.)
- New Departure Manufacturing Company, The. (See Holdsworth, Harry W., assignor.)
- Newdick, Norton A., assignor to The Coloder Company, Columbus, Ohio. Loading machine. 1,673,526; June 12.
- Newell, Alfred T., Birmingham, Ala. Asphalt spreader. 1,695,201; Dec. 11.
- Newell, Alfred T., Birmingham, Ala. Asphalt spreader. 1,695,202; Dec. 11.
- Newell, Alfred T., Birmingham, Ala. Asphalt spreader. 1,695,203; Dec. 11.
- Newell, Elwood B., Grand Rapids, Mich. Collar fastener. 1,695,815; Dec. 18.
- Newell, Floyd B., Elmira, N. Y., assignor to L. Freedman and W. H. Reynolds, copartners doing business as American Instrument Company, Washington, D. C. Indicator. 1,692,513; Nov. 20.
- Newell, Laurie S., and C. E. Brown, Miami, Fla. Doll. Des. 76,631; Oct. 16.
- Newell Mfg. Co., The. (See Barnwell, Harry T., assignor.)
- Newell, Minton H., assignor to The Alloys Company, San Francisco, Calif. Producing a metal-dust mixture. 1,687,034; Oct. 9.
- Newell, Worthey H., Gulf Hammock, Fla. Rotary steam engine. 1,660,519; Feb. 28.
- New England Butt Company. (See Haggerty, Charles, assignor.)
- New England Panama Hat Company Inc. See Kraut, Max, assignor.)

- New England Spun Silk Corporation. (See Wyss, Julius, assignor.)
- New England Wood Heel Co. (See Shaw, Wesley J., assignor.)
- New Era Electric Manufacturing Company, The. (See Kozelka, Joseph, assignor.)
- New Era Electric Manufacturing Company, The. (See Morgenstern, J., and Raus, assignors.)
- New Era Spring & Specialty Co. (See Forth, Charles, assignor.)
- Newgirt, Michael H. (See Martin, H. G., and Newgirt.)
- Newhall, Henry B., Corporation. (See Hubener, William A., assignor.)
- Newhall, Henry B., Corporation. (See Karitzky, John, assignor.)
- Newhall, Henry B., Corporation. (See Pleister, Henry W., assignor.)
- Newhall, Henry B., Corporation. (See Plesiter, H. W., and Karitzky, assignors.)
- New Haven Clock Co., The. (See Porter, Wilson E., assignor.)
- New Haven Clock Co., The. (See Whitehead, Richard H., assignor.)
- New Haven Sand-Blast Company. (See Fatscher, G. C., and Billings, assignors.)
- New Haven Sand Blast Company, The. (See Washburn, F., and Sheldon, assignors.)
- Newhouse, Homer E., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic magnetic release for ironing machines. 1,686,708; Oct. 9.
- Newhouse, Oscar O., Brandon, Minn. Milk and cream cooler and aerator. 1,662,390; Mar. 13.
- Newhouse, Ray C., Wauwatosa, Wis. Process of and apparatus for transferring heat. 1,689,927; Oct. 30.
- Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Coupling. 1,687,035; Oct. 9.
- Newhouse, Ray C., Chicago, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Comminutor. 1,696,857; Dec. 25.
- Newhouse, Walter F., assignor to Saranas Machine Company, Benton Harbor, Mich. Stapling mechanism 1,657,133; Jan. 24.
- New Idea Spreader Co., The. (See Oppenheim, T. H., and Selhorst, assignors.)
- New Jersey Chain Corporation. (See Hoeckele, Carl, assignor.)
- New Jersey Chain Corporation. (See Prestinari, Eugen, assignor.)
- New Jersey Fire Alarm Company. (See Siddall, Joseph and W. H., assignors.)
- New Jersey Machine Corporation. (See Feybusch, M., and Fleischer, assignors.)
- New Jersey Wire Cloth Company, The. (See Beers, Louis G., assignor.)
- New Jersey Zinc Company, The. (See Borchardt, Walter O., assignor.)
- New Jersey Zinc Company, The. (See Breyer, F. G., and Bunce, assignors.)
- New Jersey Zinc Company, The. (See Breyer, F. G., and Farber, assignors.)
- New Jersey Zinc Company, The. (See Breyer, F. G., Bunce, and Weikel, assignors.)
- New Jersey Zinc Company, The. (See Bunce, E. H., and Manier, assignors.)
- New Jersey Zinc Company, The. (See Peirce, W. M., and Anderson, assignors.)
- New Jersey Zinc Company, The. (See Singmaster, J. A., Breyer, and Bunce, assignors.)
- Newkirk, William B. (See Ebert, C., Newkirk, and Moskowitz.)
- Newkirk, William B., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. Making grape sugar. 1,658,998; Feb. 14.
- Newkirk, William B., Riverside, Ill., assignor, by mesne assignments, to International Patents Development Company. Manufacturing dextrose from starch. 1,661,298; Mar. 6.
- Newkirk, William B., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. High-purity crystalline dextrose. 1,693,118; Nov. 27.
- Newland, Barnet, New York, N. Y. Arm for lighting fixtures. Des. 76,887; Nov. 13.
- Newland, Barnet, New York, N. Y. Body plate. Des. 76,627; Oct. 16.
- Newland, Barnet, New York, N. Y. Body plate. Des. 76,628; Oct. 16.
- Newland, Barnet, New York, N. Y. Wall bracket. Des. 76,629; Oct. 16.
- Newland, Barnet, New York, N. Y. Chandelier. Des. 76,630; Oct. 16.
- Newland, Kelly, and L. J. Miller, Columbus, Ohio. Vehicle headlamp. 1,694,485; Dec. 11.
- Newland, Wilford H., Inglewood, Calif. Adjustable pipe-bending tool. 1,690,592; Nov. 6.
- Newlin, James C., jr., Bryn Mawr, Pa. Watch holder. 1,666,664; Apr. 17.
- Newman, A. L., Company. (See Newman, Almyr L., assignor.)
- Newman, A. L., Company. (See Newman, A. L., and Mitchell, assignors.)
- Newman, Almyr L., Warwick, R. I. Clasp for bracelets. 1,678,707; July 31.
- Newman, Almyr L., Warwick, assignor to A. L. Newman Company, Cranston, R. I. Clasp for bracelets and like articles of jewelry. 1,656,335; Jan. 17.
- Newman, Almyr L., Warwick, assignor to A. L. Newman Company, Providence, R. I. Fastening device for wrist-watch straps, bands, and bracelets. 1,689,640; Oct. 30.
- Newman, Almyr L., Warwick, and O. R. Mitchell, assignors, by mesne assignments, to A. L. Newman Company, Cranston, R. I. Flexible bracelet. 1,680,628; Aug. 14.
- Newman, Bernard, and O. Wickham, Grays, England. Float for use in storage tanks for volatile liquids. 1,671,650; May 29.
- Newman, David, Napa, Calif., assignor to M. Hohner, Inc., New York, N. Y. Harmonica. 1,671,309; May 29.
- Newman, George A., St. Paul, Minn. Device for decorating walls and similar surfaces. 1,696,010; Dec. 18.
- Newman, George W., Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company. Ring book and method of assembly. 1,675,509; July 3.
- Newman, Harry, Newark, N. J. Bottle. Des. 77,326; Dec. 25.
- Newman, Henry R., assignor to Boyle Manufacturing Company, Los Angeles, Calif. Apparatus for dispensing lubricating oil. 1,684,879; Sept. 18.
- Newman, Hugo, New York, N. Y. Foldable supporting frame for screens. 1,662,586; Mar. 13.
- Newman, Hugo, New York, N. Y. Supporting device. 1,678,950; July 31.
- Newman, I., & Sons, Inc. (See Kispert, Joseph J., assignor.)
- Newman, John H. (See Pullwitt, Herman P., assignor)
- Newman, Joseph B., Ravenna, Ky. Trumpet. 1,662,076; Mar. 13.
- Newman, Lewis, Cleveland, Ohio. Spring suspension for motor vehicles. 1,679,050; July 31.
- Newman, Martin F., assignor to Wm. B. Scaife & Sons Company, Oakmont, Pa. Preparing natural zeolites. 1,693,284; Nov. 27.
- Newman, Morris S., Middletown. Fur-shearing machine. 1,665,217; Apr. 10.
- Newman, Paul A., assignor to Leeds & Northrup Company, Philadelphia, Pa. Fuse. 1,674,656; June 26.
- Newman, Porter. (See Camden, Andrew B., assignor.)
- Newman, Samuel E., assignor to Landis Machine Company, Waynesboro, Pa. Die head. 1,665,973; Apr. 10.
- Newman, Samuel F., and J. G. Harper, assignors to Landis Machine Company, Waynesboro, Pa. Die head. 1,671,044; May 22.
- Newman, Samuel F., and J. G. Harper, assignors to Landis Machine Company, Waynesboro, Pa. Die head. 1,692,514; Nov. 20.
- Newman, Thomas J., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Meter mounting. 1,690,174; Nov. 6.
- Newman, William E., Utica, N. Y. Rheostat. 1,677,288; July 17.
- Newman, Williams A., Childress, Tex. Locomotive-cab seat. 1,692,685; Nov. 20.
- Newman, Wilson, and L. W. Stouder, Ardmore, Okla. Gas burner. 1,655,285; Jan. 3.
- Newmann, John, Glendale, N. Y. Hoisting apparatus. 1,676,344; July 10.
- Newmann, John, Glendale, N. Y. Transmission mechanism. 1,676,345; July 10.
- Newmann, John, Glendale, N. Y. Transmission mechanism. 1,693,154; Nov. 27.
- Newmark, Aaron S., Brooklyn, assignor to J. Eisner and J. I. Lubin, New York, N. Y. Window cornice. 1,684,843; Sept. 18.
- New Martinsville Glass Mfg. Co. (See McEldowney, Robert E., assignor.)
- New Method Stove Company. (See Harter, Sherman, assignor.)
- Newmeyer, William L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 1,665,858; Apr. 10.
- Newmyer, Dan K., Houston, Tex. Track level. 1,683,394; Sept. 4.
- Newnam, William E., Collinsville, Ill., assignor to National Lead Company, St. Louis, Mo. Pig-stacking machine. 1,691,552; Nov. 13.
- New Nap System, Inc. (See Flynn, Mortimer F., assignor.)
- Newpher, Charles F., Shaker Heights, assignor to The Bourne-Fuller Company, Cleveland, Ohio. Mechanism for feeding and operating upon articles. 1,692,416; Nov. 20.
- Newpher, Charles F., Shaker Heights, assignor to The Bourne-Fuller Company, Cleveland, Ohio. Machine for making hot-pressed nuts. 1,696,887; Dec. 25.
- Newport Company, The. (See Adams, R., and Hyde, assignors.)
- Newport Company, The. (See Adams, R., Davidson, and Gubelmann, assignors.)
- Newport Company, The. (See Gubelmann, Ivan, assignor.)
- Newport Company, The. (See Gubelmann, I., and Lee, assignors.)
- Newport Company, The. (See Gubelmann, I., and Tinker, assignors.)
- Newport Company, The. (See Gubelmann, I., Weiland, and Stallmann, assignors.)
- Newport Company, The. (See Palmer, Robert C., assignor.)

- Newport Company, The. (See Weiland, H. J., and Gubelmann, assignors.)
- Newport, Jesse H., Kenilworth, Ill. Water heater. 1,661,193; Mar. 6.
- Newport News Shipbuilding and Dry Dock Company. (See Grant, William P., assignor.)
- New Process Multi-Casting Company. (See Harmes, Edward, assignor.)
- New Process Multi-Castings Company. (See Lawlor, John J., assignor.)
- New Process Multi-Castings Company. (See Moldenke, Richard, assignor.)
- New Process Multi-Castings Company. (See Wood, John R., assignor.)
- Newskin Company. (See Russell, Louis J., assignor.)
- Newsom, John F., Palo Alto, Calif. Sound muffler. 1,655,194; Jan. 3.
- Newsom, John F., Palo Alto, Calif. Window muffler. 1,655,195; Jan. 3.
- Newton, Avery B., Salt Lake City, Utah. Swing. 1,674,517; June 19.
- Newspaper Stuffing Machine Company, The. (See Halvorsen, Severin, assignor.)
- News Projection Corporation. (See Proctor, Barton A., assignor.)
- Newton, Albert E., Providence, R. I. Lace. Des. 74,446; Feb. 14.
- Newton, Albert E., Providence, R. I., assignor to The Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 74,447; Feb. 14.
- Newton, Albert E., Providence, assignor to The Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 74,517; Feb. 21.
- Newton, Albert E., Providence, assignor to The Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 74,799; Mar. 27.
- Newton, Albert E., Providence, assignor to The Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 74,800; Mar. 27.
- Newton, Alfred J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing large assembled negatives for photoreproduction work. 1,679,942; Aug. 7.
- Newton Chambers & Company Limited. (See Miles, Thomas V., assignor.)
- Newton, Edward C., Los Angeles, Calif. Safety timer governor. 1,674,176; June 19.
- Newton, Edward C., Los Angeles, Calif. Two-piece piston ring. 1,682,850; Sept. 4.
- Newton, Edward G., and E. J. Wade, Pittsfield, Mass., assignors to General Electric Company. High-voltage primary cut-out. 1,694,979; Dec. 11.
- Newton, Frank H., Los Angeles, Calif. Reservoir comb. 1,693,248; Nov. 27.
- Newton, Frederick, Derby, England, assignor to Celanese Corporation of America. Spindle for textile-spinning apparatus and means for driving it. 1,661,262; Mar. 6.
- Newton, George F., assignor of one-half to S. Patti, Kansas City, Mo. Cam column clamp. 1,662,757; Mar. 13.
- Newton, George F., assignor of one-half to S. Patti, Kansas City, Mo. Form clamp. 1,673,986; June 19.
- Newton, George T. (See Nicholls, Ernest C., assignor.)
- Newton, George W., assignor to National Art Novelty Company, Chicago, Ill. End table. Des. 74,386; Feb. 7.
- Newton, Guy V., and E. Blackburn, Los Angeles, Calif.; said Blackburn assignor to said Newton. Mechanism for revolving typewriter cylinders. 1,693,285; Nov. 27.
- Newton, Harry A. (See Yudowitch, Harry.)
- Newton, Ira F., St. Paul, Minn. Gasoline-dispensing device. 1,695,436; Dec. 18.
- Newton, James F., assignor to Primrose Tapestry Co., Inc., Philadelphia, Pa. Window curtain or similar article. Des. 74,236; Jan. 10.
- Newton, James F., assignor to Primrose Tapestry Co., Inc., Philadelphia, Pa. Valance or similar article. Des. 74,237; Jan. 10.
- Newton, Merle M., Cragmor, Colo. Ore-concentrating device. 1,685,644; Sept. 25.
- Newton, Milo C., and J. A. Gremling, assignors to The E. & N. Manufacturing Company, Delphos, Ohio. Combined mop and wringer. 1,681,622; Aug. 21.
- Newton, Milo C., and J. A. Gremling, assignors to The E. & N. Manufacturing Company, Delphos, Ohio. Broom. 1,691,985; Nov. 20.
- Newton, Walter M., assignor of one-half to J. W. Argo, Dover, Del. Fire-fighting apparatus. 1,663,608; Mar. 27.
- Newton, William G., East Orange, N. J. Radiator cap. 1,682,766; Sept. 4.
- Newton, William G., assignor to The Peck Bros. & Co., New Haven, Conn. Combined soap dish and escutcheon. Des. 75,382; May 29.
- Newton, William J., Bridgeport, Conn., assignor to Metropolitan Electric Manufacturing Company, Long Island City, N. Y. Combination mirror and illuminating device. 1,680,062; Aug. 7.
- Newville, George, Muskegon, Mich. Attachment for fishing reels. 1,663,853; Mar. 27.
- New Way Electric Company. (See Zamboni, Frank J., assignor.)
- New-Way Harvester Co. (See Christiansen, Christian, assignor.)
- New Way Motor Company. (See Carmichael, William F., assignor.)
- New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
- New York Blue Print Paper Company. (See Murck, Knud, assignor.)
- New York Brick Handling Corporation. (See Fuller, Claud E., assignor.)
- New York Brick Handling Corporation. (See Fuller, Claud E., assignor.)
- New York Clock Corporation. (See Goldfield, Abraham T., assignor.)
- New York Engineering Company. (See Ludlum, Albert C., assignor.)
- New York Lighting Fixture Mfg. Co., The. (See Aglow, Harry, assignor.)
- New York Merchandise Co. (See Buschman, Abraham L., assignor.)
- New York Mills Corporation. (See Hamilton, Charles S., assignor.)
- New York Mills Corporation. (See Leiper, John, assignor.)
- New York Rubber Corporation. (See Anderson, Arvid E., assignor.)
- New York Wire & Spring Company. (See Wernig, Frederick A., assignor.)
- Ney, Adolphe H., New York, N. Y. Flotation of ores. 1,683,724; Sept. 11.
- Niacet Chemicals Corp. (See Herrly, C. J., and Matheson, assignors.)
- Niagara Electro Chemical Company, The. (See Baum, Gustav, assignor.)
- Niagara Machine & Tool Works. (See Lindgren, Bror J., assignor.)
- Niagara Metal Stamping Corporation. (See Armstrong, Eliot, assignor.)
- Niagara Metal Stamping Corporation. (See Armstrong, J. A., and Benson, assignors.)
- Nialson, Ola. (See Longoor, William H., assignor.)
- Nibbs, Ernest, New London, assignor to Electric Boat Company, Groton, Conn. Internal-combustion engine. 1,684,407; Sept. 18.
- Nice, Budd G., Ogontz, assignor, by mesne assignments, to J. L. McMichael, trustee, Philadelphia, Pa. Making ball-race elements. 1,677,841; July 17.
- Nichin, Stephen, Chicago, Ill. Permutation lock. 1,655,840; Jan. 10.
- Nichol, Clinton, Ponca City, Okla. Grain loader. 1,655,771; Jan. 10.
- Nichol, Dorsey E., Washington, D. C. Built-in folding table. 1,675,953; July 3.
- Nicholas Power Company. (See Smith, Will C., assignor.)
- Nicholas, Roy M. (See Wooten, M. F., Bivins, and Nicholas.)
- Nicholas, Serril W., assignor to Leonard-Rooke Company, Providence, R. I. Handle for a thermostatic valve. Des. 75,863; July 24.
- Nicholas, Wilbur H., Indianapolis, Ind. Sack holder. 1,694,079; Dec. 4.
- Nicholas, William. (See Hammond, G. L., Messenger, and Nicholas.)
- Nicholas, William, Bellevue, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Automobile bumper. 1,691,492; Nov. 13.
- Nicholay, Paul, assignor to Deceleco, Inc., Wayne, Mich. Alignment strip for electrical barriers. 1,664,827; Apr. 3.
- Nicholes, B. L., Co. Inc. (See Wilson, Louis, assignor.)
- Nicholls, Ernest C., Manchester, assignor to G. T. Newton, Fairfield, England. Water-cooling apparatus. 1,659,408; Feb. 14.
- Nicholls, Henry M., Maywood, Ill., assignor to American Can Company, New York, N. Y. Pouring spout for containers. 1,660,654; Feb. 28.
- Nicholls, William H., Brooklyn, N. Y. Molding machine. 1,656,951; Jan. 24.
- Nicholls, William H., Brooklyn, N. Y. Jolt mechanism for molding machines. 1,676,662; July 10.
- Nicholls, William H., Brooklyn, N. Y. Sand-mulling device. 1,676,663; July 10.
- Nichols, Aaron S., New York, N. Y. Conveyor and door and operating same. 1,667,737; May 1.
- Nichols, Aaron S., New York, N. Y. Conveyor and door construction. 1,667,738; May 1.
- Nichols, Charles A. (See Hooper, Earl R., assignor.)
- Nichols, Charles R., Maracaibo, Venezuela. Calculating device. 1,655,819; Jan. 10.
- Nichols, Charles R., New York, N. Y. Power transmission. 1,685,371; Sept. 25.
- Nichols, Charles R., New York, N. Y. Gear transmission. 1,685,461; Sept. 25.
- Nichols Copper Company. (See Baird, Dudley, assignor.)
- Nichols Copper Company. (See Fowler, Edward J., assignor.)
- Nichols, Daniel R., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Foldable seat. 1,685,187; Sept. 25.
- Nichols, Edgar B., assignor to The Pfaunder Co., Rochester, N. Y. Rotary agitator. 1,658,460; Feb. 7.
- Nichols, Edgar B., Rochester, assignor to The Pfaunder Co., Rochester, N. Y. Agitator. 1,665,789; Apr. 10.
- Nichols, Edgar B., assignor to The Pfaunder Company, Rochester, N. Y. Agitator. 1,667,944; May 1.

- Nichols, Edgar B., Rochester, N. Y. Drive chain. 1,689,556; Oct. 30.
- Nichols, Frank, et al. (See Seitz, Charles F., assignor.)
- Nichols, H. P. (See Koch, Jacob P., assignor.)
- Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator and modulator. 1,687,882; Oct. 16.
- Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Antenna system. 1,696,249; Dec. 25.
- Nichols, Harry J., Washington, D. C. Projectile. 1,656,361; Jan. 17.
- Nichols, Harry J., Washington, D. C. Tactual indicator. 1,692,686; Nov. 20.
- Nichols, Harry T., Bridgeport, Conn. Roof covering. 1,669,723; May 15.
- Nichols, James C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping device. 1,659,921; Feb. 21.
- Nichols, Lawrence H., Kenmore, Ohio. Belt. 1,658,648; Feb. 7.
- Nichols, Mark L., Auburn, Ala., assignor to Alabama Power Company, Steam generator. 1,689,745; Oct. 30.
- Nichols, Robert P., New Rochelle, N. Y. Dirigible light. 1,672,900; June 12.
- Nichols & Shepard Company. (See Ashton, James T., assignor.)
- Nichols & Shepard Company. (See Krieg, Alfred, assignor.)
- Nichols, Thompson W., Grand Rapids, Mich. Tractor. 1,681,426; Aug. 21.
- Nichols, Wesley G. (See McKee, W. S., and Nichols.)
- Nicholson, Fred T., Bloomfield, N. J. Paper receptacle or container and making the same. 1,682,977; Sept. 4.
- Nicholson, Griffith C. (See Ackerman, E. W., and Nicholson.)
- Nicholson, Henry A., Arkles Bay, Auckland, assignor to B. A. Craig, Auckland, New Zealand. Steam generator. 1,661,542; Mar. 6.
- Nicholson, Henry A., Arkles Bay, Auckland, assignor to B. A. Craig, Auckland, New Zealand. Steam generator. 1,661,543; Mar. 6.
- Nicholson, Henry A., Arkles Bay, Auckland, assignor to B. A. Craig, Auckland, New Zealand. Steam generator. 1,661,544; Mar. 6.
- Nicholson, Henry A., Arkles Bay, Auckland, assignor to B. A. Craig, Auckland, New Zealand. Steam generator. 1,661,545; Mar. 6.
- Nicholson, Henry A., Arkles Bay, Auckland, assignor to B. A. Craig, Auckland, New Zealand. Steam generator. 1,661,546; Mar. 6.
- Nicholson, Jacob F., Chicago, Ill. Vehicle washing pit. 1,696,964; May 15.
- Nicholson, James H., and W. D. Cavin, Madison, Ga. Femur splint. 1,662,753; Mar. 13.
- Nicholson, John L., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon for locomotives. 1,679,051; July 31.
- Nicholson, John L., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,688,594; Oct. 23.
- Nicholson, Robert M., Liberty, Tex. Gaming device. 1,685,291; Sept. 25.
- Nicholson, Stanley W. (See Carroll, W. W., and Nicholson.)
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,654,747; Jan. 3.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,654,748; Jan. 3.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window channel. 1,655,874; Jan. 10.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,659,891; Feb. 21.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Lock for window regulators. 1,659,892; Feb. 21.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window regulator. 1,662,391; Mar. 13.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Manufacture of gearing for window regulators. 1,670,475; May 22.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Forming racks for use in window regulators. 1,670,476; May 22.
- Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-regulator mounting. 1,681,251; Aug. 21.
- Nicholson, William A., Prairie du Chien, Wis., assignor of one-half to C. Wingen, Marquette, Iowa. Road scraper. 1,681,873; Aug. 21.
- Nicksels, James, Silvis, Ill. Automobile bumper. 1,664,989; Apr. 3.
- Nicksels, James, Silvis, Ill. Portable-machine frame. 1,691,732; Nov. 13.
- Nickerson, Augustus M., Winthrop, Mass. Electric hot-water faucet, and operating same. 1,667,815; May 1.
- Nickerson, Augustus M., Winthrop, Mass. Electric radiator. 1,667,816; May 1.
- Nickerson, Elmer K., Springfield, assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve construction. 1,683,625; Sept. 11.
- Nickerson, Gertrude L., assignor to The Warner Brothers Company, Inc., Bridgeport, Conn. Combination garment. 1,656,288; Jan. 17.
- Nickerson, Henry E., Bridgeport, Conn., assignor, by mesne assignments, to Weber Electric Company, Schenectady, N. Y. Lamp-socket-securing means for electric fixtures. 1,690,940; Nov. 6.
- Nickerson, Henry E., Bridgeport, Conn., assignor to The Weber Electric Company, Schenectady, N. Y. Lamp-socket-securing means for electric fixtures. 1,690,941; Nov. 6.
- Nickerson, Orva O., assignor to Fort Wayne Corrugated Paper Company, Fort Wayne, Ind. Shipping carton. 1,686,834; Oct. 9.
- Niclausse, Albert L. (See Niclausse, Elie P. J. and A. L.)
- Niclausse, Elie P. J. and A. L., Paris, France. Cock and valve. 1,664,043; Mar. 27.
- Nicles, Hiram W., assignor to Vento Steel Sash Company, Muskegon Heights, Mich. Window fastener. 1,964,662; Dec. 11.
- Nicol, John M., Mill Valley, Calif. Plow and jet elevator dredge. 1,690,239; Nov. 6.
- Nicolai, Niccola, Chicago, Ill. Window structure. 1,679,260; July 31.
- Nicolaus, Frederic G., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas-range valve and operating member therefor. 1,661,845; Mar. 6.
- Nicoletto, Vicente C., Buenos Aires, Argentina. Dental drill. 1,655,659; Jan. 10.
- Nicolini, Eugene, assignor to Société d'Electricité de Paris, Paris, France. Traveling chain grate. 1,670,866; May 22.
- Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Piezo-electric device. 1,655,625; Jan. 10.
- Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Damped phonograph apparatus. 1,669,170; May 8.
- Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic system. 1,684,408; Sept. 18.
- Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Plane-surface piezo-electric loud speaker. 1,688,743; Oct. 23.
- Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Multiple acoustic device. 1,688,744; Oct. 23.
- Nicosia, David A., Forest Park, and H. Sippel, Chicago, Ill. Radiocoll. 1,667,945; May 1.
- Nicosia, Vincent N., Houston, Tex. Permanent hair waving and curling pad. 1,657,029; Jan. 24.
- Niebel, Godfrey, New York, N. Y. Electric bulb or similar article. Des. 77,118; Dec. 4.
- Nieberding, Anthony A., Brookpark, Ohio. Heater. Des. 74,841; Apr. 3.
- Nieberding, Anthony A., Brookpark, Ohio. Heater. Des. 74,941; Apr. 17.
- Nieberding, Frank A., deceased, by M. H. Nieberding, administratrix, East Cleveland, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Heater. Des. 74,448; Feb. 14.
- Nieberding, Frank A., deceased, by M. H. Nieberding, administratrix, East Cleveland, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Combined heater and andiron. Des. 74,449; Feb. 14.
- Nieberding, Frank A., deceased, by M. H. Nieberding, administratrix, East Cleveland, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Heater. Des. 74,450; Feb. 14.
- Nieberding, Frank A., deceased; M. H. Nieberding, administratrix, East Cleveland, Ohio. Burner. 1,689,798; Oct. 30.
- Nieberding, Margaret H., administratrix. (See Nieberding, Frank A.)
- Nieblo Mfg. Co. Inc., The. (See Lowell, William, assignor.)
- Niedecken, Edward F., Milwaukee, Wis. Valve. 1,669,772; May 15.
- Niedecken, Edward F., assignor to Hoffman & Billings Mfg. Co., Milwaukee, Wis. Operating device for waste plugs. 1,671,202; May 29.
- Niederbayerische Cellulosewerke. (See Schneider, Adolf, assignor.)
- Niederberger, Albert, Vienna, Austria. Steering means for cycles, motor cycles, and other vehicles. 1,668,571; May 8.
- Niederhauser, Frederick C., and H. B. Kline, Cleveland, Ohio. Manufacture of cellulose compounds. 1,655,626; Jan. 10.
- Niederhauser, Frederick C., and H. B. Kline, assignors to The Industrial Fibre Company, Cleveland, Ohio. Recovery of poisonous gases in viscose manufacture. 1,655,709; Jan. 10.
- Niederhauser, Frederick C., and H. B. Kline, assignors to The Industrial Rayon Corporation, Cleveland, Ohio. Treating cellulosic material. 1,661,493; Mar. 6.
- Niederhauser, Frederick C., and H. B. Kline, assignors to The Industrial Rayon Corporation, Cleveland, Ohio. Treating cellulosic material. 1,661,574; Mar. 6.
- Niederlitz, Joseph D., Rochester, N. Y. Pack of playing cards. 1,693,525; Nov. 27.
- Niedhammer, Adam, Schenectady, N. Y. Tool. 1,657,274; Jan. 24.

- Nief, Frederick P., Union City, N. J. Hairpin. 1,663,854; Mar. 27.
- Nielehock, Walter, Nowawes, near Berlin, Germany. Reciprocating engine. 1,690,126; Nov. 6.
- Nielsen, Andreas C. (See Brown, C. A., and Nielsen.)
- Nielsen, Anton E. and G. C., New York, N. Y. Belt-tensioning apparatus. 1,660,520; Feb. 28.
- Nielsen, Bernhard. (See Hahnemann, W., Hecht, and Nielsen.)
- Nielsen, Claudius, Detroit, Mich. Mixing machine. 1,673,155; June 12.
- Nielsen, Einar W. (See Cromartie, G. C., and Nielsen.)
- Nielsen, Emil J., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Receiver. 1,661,082; Feb. 28.
- Nielsen, Emil J., assignor to Phenolic Products Corporation, Rockford, Ill. Toilet-seat cover. 1,671,120; May 29.
- Nielsen, Emil J., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Control button. 1,678,524; July 24.
- Nielsen, Emil J., Oak Park, and O. Horsrud, Chicago, Ill. Camp stove. 1,654,662; Jan. 3.
- Nielsen, Frederick, Epping, near Sydney, New South Wales, Australia. Vulcanizing rubber soles to fabric or other uppers. 1,660,881; Feb. 28.
- Nielsen, Frederik, Atlantic, assignor to J. S. Lang, Boston, Mass. Shock absorber. 1,659,330; Feb. 14.
- Nielsen, George C. (See Nielsen, Anton E. and G. C.)
- Nielsen, Harald, Muswell Hill, London, assignor of one-half to B. Laing, Hatfield, England. Manufacture of catalysts. 1,665,175; Apr. 3.
- Nielsen, Harald, Muswell Hill, assignor of one-half to B. Laing, Hatfield, England. Conversion of hydrocarbons. 1,672,081; June 5.
- Nielsen, Harald, Muswell Hill, and J. R. Garrow, Wimbledon, England. Making mixed gas. 1,654,942; Jan. 3.
- Nielsen, Holger, Lawton, Mich. Grinding machine. 1,656,388; Jan. 17.
- Nielsen, Holger, Buffalo, N. Y. Refrigerating machine. 1,694,427; Dec. 11.
- Nielsen, Jens P. (See Swenson, Carl O., assignor.)
- Nielsen, Jens P., assignor to Argus Manufacturing Company, Chicago, Ill. Package holder for rolls. 1,660,882; Feb. 28.
- Nielsen, John. (See Gardner, Edward B. and R. D., and Nielsen.)
- Nielsen, John, et al. (See Gardner, Ralph D., assignor.)
- Nielsen, John S., Long Island City, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission of pictures. 1,657,030; Jan. 24.
- Nielsen, Karl K., Chicago, Ill. Candle socket. 1,690,693; Nov. 6.
- Nielsen, Lauritz F., assignor to Durkee-Atwood Company, Minneapolis, Minn. Pulley attachment. 1,682,927; Sept. 4.
- Nielsen, Louis A., New York, N. Y. Catheter. 1,661,494; Mar. 6.
- Nielsen, Rasmus P., Copenhagen, Denmark. Apparatus for facilitating the salping of sunken submarine vessels and the like. 1,667,797; May 1.
- Nielson, Neal, Spencer, Iowa. Combination running-board foot pad and luggage carrier. 1,679,916; Aug. 7.
- Niemann, George F., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch socket. 1,676,280; July 10.
- Niemeyer, Henry, New York, N. Y. Photographic electric lamp. 1,678,574; July 24.
- Niemi, Matti, Seattle, Wash. Music-leaf turner. 1,660,205; Feb. 21.
- Nies, Frederick R., Lynn, Mass. Truck. 1,667,671; Apr. 24.
- Niestradt, Ernest S., Denver, Colo., assignor to The Northwestern Terra Cotta Company, Chicago, Ill. Making molds for building blocks and the like. 1,678,266; July 24.
- Niestradt, Ernest S., Denver, Colo., assignor to The Northwestern Terra Cotta Company, Chicago, Ill. Apparatus for making molds for building blocks. 1,678,267; July 24.
- Niethamer, Edward, Bay City, Mich. Street indicating and announcing device. 1,666,503; Apr. 17.
- Nieto, Manuel, Brooklyn, N. Y., assignor of one-fourth to F. Lopez, New York, N. Y. Electric heating and surface-finishing device. 1,690,831; Nov. 6.
- Nietsche, Hans E., Detroit, Mich. Electric motor. 1,655,286; Jan. 3.
- Niewald, August H., Freedom, Mo. Cultivator fender. 1,662,201; Mar. 13.
- Nightingale, Harold C. (See Nightingale, Harry C. and H. C.)
- Nightingale, Harry C. and H. C., Paterson, N. J. Coil. 1,658,138; Feb. 7.
- Nightingale, Robert J., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Terminal clamp for storage batteries. 1,691,079; Nov. 13.
- Nigra, Ferdinand, San Antonio, Tex. Record cabinet. 1,667,216; Apr. 24.
- Nigra, Giuseppe, assignor to O. M. I. M. Officina Meccanica Industria Maglieria, Turin, Italy. Apparatus for the manufacture of fancy knitted fabrics on circular-knitting frames. 1,670,208; May 15.
- Nihlros, Andrew E., Murray City, Utah. Spring wheel. 1,686,168; Oct. 2.
- Niklas, George. (See Schubbauer, F. X., and Niklas.)
- Niks, Nickolas J., Chillicothe, Ohio. Paper-making machine. 1,690,203; Nov. 6.
- Niles-Bement-Pond Company. (See Blood, H. L., and Deale, assignors.)
- Niles-Bement-Pond Company. (See Cole, Lyndon C., assignor.)
- Niles-Bement-Pond Company. (See Deale, Robert C., assignor.)
- Niles-Bement-Pond Company. (See Deale, R. C., and Marcalus, assignors.)
- Niles-Bement-Pond Company. (See Deale, R. C., and Rausch, assignors.)
- Niles-Bement-Pond Company. (See Greenleaf, George E., assignor.)
- Niles-Bement-Pond Company. (See Marcalus, Nicholas, assignor.)
- Niles-Bement-Pond Company. (See Parkes, Albert W., assignor.)
- Niles-Bement-Pond Company. (See Randolph, Clifford F., assignor.)
- Niles-Bement-Pond Company. (See Randolph, C. F., Rausch, and Marcalus, assignors.)
- Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
- Niles-Bement-Pond Company. (See Shelhouse, Maurice W., assignor.)
- Niles-Bement-Pond Company. (See Wildhaber, Ernest, assignor.)
- Niles, Eliot W. (See Edwards, W. H., and Niles.)
- Niles Steel Products Company, The. (See Fitzgerald, James E., assignor.)
- Nil, Edward A., Cleveland, assignor of one-third to F. C. Acker, Cleveland Heights, and one-third to J. R. Dall, Norwalk, Ohio. Lubricating composition. 1,659,149; Feb. 14.
- Nil, Edward A., Cleveland, assignor of one-third to F. C. Acker, Cleveland Heights, and one-third to J. R. Dall, Norwalk, Ohio. Making anilides. 1,659,150; Feb. 14.
- Nilson, Gustaf A., Glencoe, Ill. Shower receptor. 1,684,502; Sept. 18.
- Nilson, Gustaf A., Chicago, Ill. Shower receptor. 1,684,503; Sept. 18.
- Nilson, Lars G., Hoboken, N. J. Internal-combustion engine and operating same. 1,682,305; Aug. 28.
- Nilson, Olof G., Chicago, Ill. assignor to Press Cushion Co. Punch press. 1,691,667; Nov. 13.
- Nilson, Oscar W. (See Frew, G. H., jr., and Nilson.)
- Nilson, Walfred, Minden, Nebr. Cultivator attachment. 1,658,298; Feb. 7.
- Nilsson, Freeman, Troy, N. Y. Brush construction. 1,678,950; July 31.
- Nilsson, Fritz A., Augustendal, near Stockholm, Sweden. Friction clutch. 1,672,577; June 5.
- Nilsson, Karin O., Alton, Ill. Self-oiling bearing. 1,673,700; June 12.
- Nilsson, Robert W., assignor to The Mother Spring Company, Toledo, Ohio. Bumper. Des. 76,035; Aug. 14.
- Ninnis, Albert, Reno, Nev. Food cutter and server. 1,679,583; Aug. 7.
- Nipchild, Joseph A., Cleveland, Ohio. Envelope sealing and printing device. 1,682,578; Aug. 28.
- Nisbet, Edward A., assignor to Invincible Vacuum Cleaner Manufacturing Company, Pittsburgh, Pa. Suction cleaner tool. 1,696,811; Dec. 25.
- Nisbet, John, et al. (See Becker, Joseph, assignor.)
- Nishida, Hiroto, and K. Shimada, Kirin, Japan. Preparing artificial petroleum from rubber scrap or vulcanized-rubber waste. 1,680,908; Aug. 14.
- Nishida, Shinkichi, M. Ota, Tokyo, and G. Inose, Takinogawa-machi, near Tokyo, assignor to Goshikaisha Jidosha Kyujoki Seisakusho, Tokyo, Japan. Safety device for motor cars. 1,684,776; Sept. 18.
- Nissen, Harry P., Oakland, Calif. Sleeve holder. 1,690,694; Nov. 6.
- Nissen, J. N. (See Cheatham, Chester W., assignor.)
- Nissen, John P., Philadelphia, Pa. Stocking. Des. 74,387; Feb. 7.
- Nissen, John P., jr., Philadelphia, Pa. Printing roller. 1,695,437; Dec. 18.
- Nitsch, Charles H., and J. W. Baker, assignors to Stokes and Smith Company, Philadelphia, Pa. Sheet-feeding mechanism. 1,684,741; Sept. 18.
- Nitsche, Max P., Dresden, Germany. Production of fertilizers. 1,684,712; Sept. 18.
- Nitschke, Reinhardt, and H. Salois, Lawrence, Mass. Doll-house construction. 1,692,346; Nov. 20.
- Nittel, Frederick W., Attleboro Falls, assignor to M S Co., Attleboro, Mass. Expansive bracelet. 1,666,033; Apr. 10.
- Nittel, Frederick W., Attleboro Falls, assignor to M S Co., Attleboro, Mass. Watch bracelet end hook. 1,666,864; Apr. 17.
- Nittel, Frederick W., Attleboro Falls, assignor to M S Co., Attleboro, Mass. Watch bracelet end hook. 1,674,607; June 19.
- Nittel, Frederick W., Attleboro Falls, assignor to M S Co., Attleboro, Mass. Watch-bracket end hook. 1,677,101; July 10.
- Nitti, Giacomo, East Haven, Conn. Portable chair. 1,673,988; June 19.
- Niven, Archie M., assignor to Continental Motors Corporation, Detroit, Mich. Cylinder-head construction. 1,682,928; Sept. 4.
- Nivois, Victor, New York, N. Y. Case for cigarette packages. 1,690,308; Nov. 6.

- Nix, Tommie C. and M. D. Miller, Hazel, Ky., assignors to O. A. Harker, jr., Puryear, Tenn. Self-service store. 1,688,551; Oct. 23.
- Nixdorff, Samuel P. (See Alexanderson, E. F. W., and Nixdorff.)
- Nixdorff, Samuel P., Schenectady, N. Y., assignor to General Electric Company. Frequency changer. 1,687,672; Apr. 24.
- Nixdorff, Samuel P., Schenectady, N. Y., assignor to General Electric Company. Reproducing position. 1,684,138; Sept. 11.
- Nixon, Albertus B., Sac City, Iowa. Harrow. 1,656,126; Jan. 10.
- Nixon, Cecil C., and J. M. McLemore, Talladega, Ala. Metallic bobbin base. 1,685,930; Apr. 10.
- Nixon, Clarence R., assignor to Baltimore Bottle Machine Corporation, Baltimore, Md. Glass-blowing machine. 1,694,486; Dec. 11.
- Nixon, Foster C., Apollo, Pa. Electrolytic apparatus. 1,692,757; Nov. 20.
- Nixon, Jeddy D., Houston, Tex., assignor to Humble Oil & Refining Company. Power-transmitting apparatus. 1,684,679; Sept. 18.
- Nixon, Jeddy D., and M. Manning, Houston, Tex. Back-pressure valve. 1,655,236; Jan. 3.
- Nixon, Jeddy D., and M. Manning, Houston, Tex. Drill stem. 1,674,055; June 19.
- Nixon, Moses C., Chicago, Ill. Bed or attachment therefor. 1,658,776; Feb. 7.
- Nixon, Moses C., Chicago, Ill. Bed or attachment therefor. 1,658,777; Feb. 7.
- Nixon, Moses C., Chicago, Ill. Bed or attachment therefor. 1,658,778; Feb. 7.
- Nixon, Moses C., Chicago, Ill. Bed or attachment therefor. 1,658,779; Feb. 7.
- Nixon, Moses C., Chicago, Ill. Bed or attachment therefor. 1,658,780; Feb. 7.
- Nixon, Moses C., Chicago, Ill. Hub for propeller blades. 1,661,631; Mar. 6.
- Nixon, Moses C., Chicago, Ill. Propeller apparatus suitable for use in connection with various vehicles. 1,661,632; Mar. 6.
- Nixon, Moses C., Chicago, Ill. Hub for propeller blades. 1,661,633; Mar. 1.
- Nixon, Moses C., Chicago, Ill. Propeller blade. 1,685,881; Oct. 2.
- Nixon, Robert P., Forest Grove, Oreg. Cap-shape retainer. 1,656,073; Jan. 10.
- Niznansky, Vincent, Bethlehem, Pa. Key. 1,655,329; Jan. 3.
- Niznansky, Vincent, Bethlehem, Pa. Holder. 1,655,330; Jan. 3.
- Noack, Edward H., assignor to Monarch Foundry Company, Stockton, Calif. Conveyor cleat. 1,658,250; Feb. 7.
- Noack, Theodore J., assignor of one-half to G. Ketcham, Phoenix, Ariz. Mowing machine. 1,639,402; Oct. 30.
- Noack, Walther. (See Scheiber, J., and Noack.)
- Noack, William A., Oakland, Calif., assignor to Concealo Fixture Company, Inc. Combination shelf and drop door. 1,684,193; Sept. 11.
- Noah, Leroy H., Ogallah, Kans. Piston and connecting rod construction. 1,665,672; Apr. 10.
- Nobile, Giuseppe, New York, N. Y. Lock. 1,658,854; Feb. 14.
- Noble, Abraham, San Diego, Calif. Can opener. 1,687,582; Oct. 16.
- Noble, Albert, Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Production of phosphoric acid. 1,695,558; Dec. 18.
- Noble, Arthur H., Pawtucket, R. I., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Vanity case. Des. 74,942; Apr. 17.
- Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Brother Company, Providence, R. I. Vanity case. Des. 75,281; May 22.
- Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Brother Co., Providence, R. I. Vanity case. 1,674,608; June 19.
- Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Brother Company, Providence, R. I. Lip-stick holder. 1,685,768; Sept. 25.
- Noble, Arthur H., Pawtucket, assignor to Theodore W. Foster & Brother Company, Providence, R. I. Lip-stick holder. 1,685,769; Sept. 25.
- Noble, Emil A., assignor to Société Des Etablissements Delostal Freres, Troyes, France. Straight bar knitting machine. 1,673,989; June 19.
- Noble, George E., Chehalis, assignor to E. H. Luke, Seattle, Wash. Split shingle. 1,661,770; Mar. 6.
- Noble, Kenneth B., Hartford, assignor to The A. C. Gilbert Company, New Haven, Conn. Governor for motors. 1,665,714; Apr. 10.
- Noble, Paul O., Fort Wayne, Ind., assignor to General Electric Company. Automatic arc-welding machine. 1,669,099; May 8.
- Noble, Warren, Detroit, Mich. Oil-distributing device. 1,681,495; Aug. 21.
- Noble, Warren, Detroit, Mich. Valve guide. 1,690,029; Oct. 30.
- Noble, Warren, Detroit, Mich. Internal combustion engine. 1,690,030; Oct. 30.
- Noble, Warren, Detroit, Mich. Air-bleed valve for hydraulic actuating means. 1,690,033; Oct. 30.
- Noble, Warren, Detroit, Mich. Variable propeller. 1,690,034; Oct. 30.
- Noble, Warren, et al., trustees. (See Noble, Warren, assignor.)
- Noble, Warren, assignor to W. H. Thornley and W. Noble, trustees, Providence, R. I. Fluid-pressure brake system for automobiles. 1,654,749; Jan. 3.
- Noble, Warren, Detroit, Mich., assignor to N. C. L. Engineering Corporation, Providence, R. I. Single-acting engine and piston. 1,681,494; Aug. 21.
- Noble, Warren, and L. V. Pittman, Detroit, Mich.; said Pittman assignor to said Noble. Valve-operating system. 1,690,031; Oct. 30.
- Noble, Warren, and L. V. Pittman, Detroit, Mich.; said Pittman assignor to said Noble. Hydraulic valve gear. 1,690,032; Oct. 30.
- Noble, Warren, and L. V. Pittman, Detroit, Mich.; said Pittman assignor to said Noble. Hydraulic actuating means. 1,691,896; Nov. 13.
- Noble, Wayne I., Chicago, Ill. Bead holder. 1,661,382; Mar. 6.
- Noble, William. (See Elliott, W. S., and Noble.)
- Noble, William, assignor to Propyl-lactic Brush Company, Northampton, Mass. Positioning mechanism for brush machines. 1,654,750.
- Noble & Wood Machine Co., The. (See Werner, Walter, assignor.)
- Noblitt, Rufus R., Meadville, Pa. Torpedo placer. 1,663,415; Mar. 20.
- Noblitt, Quintin G., assignor to Indianapolis Pump & Tube Company, Indianapolis, Ind. Automobile hood latch. 1,678,192; July 24.
- Nobs, Jacob, Thoun, Switzerland. Self-registering and ticket-distributing personal-weighing scale. 1,688,552; Oct. 23.
- Nocito, Garibaldi, Rosario, Argentina. Arrangement for the better exhaust and use of the explosion of the motor gas in order to operate an alarm bell. 1,676,346; July 10.
- Nock, Arthur B., Cleveland, Ohio. Windshield headlight. 1,674,340; June 19.
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Spoon or analogous article. Des. 77,182; Dec. 11.
- Nocken, Theodor. (See Neelmeier, W., and Nocken.)
- Noda, Ichiro, Brooklyn, N. Y. Amusement device. 1,680,167; Aug. 7.
- Noe, Harold C., East Orange, N. J. Holder for lamp shades. 1,671,483; May 29.
- Noecker, Joseph F., Bloomfield, Nebr. Conveyor. 1,677,487; July 17.
- Noeggerath, Jacob E., The Hague, Netherlands. Distribution of liquids. 1,665,931; Apr. 10.
- Noel, Eli, Kansas City, Mo. Universal joint. 1,685,859; Oct. 2.
- Noel, Philip J., Bowling Green, Ky. Toothbrush. 1,668,216; May 1.
- Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Ball-bearing socket and friction band stem. 1,693,657; Dec. 4.
- Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Combination plate-caster socket and slide. 1,693,658; Dec. 4.
- Noeth, John J., and F. E. Hummel, Chicago, Ill. Bread and sandwich toaster. 1,659,610; Feb. 21.
- Noetzli, Fred A., Los Angeles, Calif. Dam. 1,681,427; Aug. 21.
- Noftzger, Charles F., Chicago, Ill. Laundry drier. 1,671,442; May 29.
- Noftzger, Charles F., Chicago, Ill. Laundry drier. 1,672,274; June 5.
- Noggins, David C., New Haven, Conn. Combined table and lamp. Des. 76,319; Sept. 11.
- Nogrady, Henry, Detroit, assignor of one-half to A. Weiss, Fordson, Mich. Multiple-year calendar. 1,692,758; Nov. 20.
- Noguchi, Shuhei, New York, N. Y. Shipping tag. 1,682,851; Sept. 4.
- Nohavicska, Roza. (See Déri, S., and Deak, assignors.)
- Nohr, Chris, Pasadena, and P. Nohr, Los Angeles, Calif. Machine for rolling soles. 1,685,555; Sept. 25.
- Nohr, Peter. (See Nohr, Chris and P.)
- Noishiki, Yoshitoshi, Tokyo, Japan. Electrode. 1,667,817; May 1.
- Noisom, Ole P., South Bend, Ind. Compass indicator for automobiles, etc. 1,665,715; Apr. 10.
- Nolan, John R., New York, N. Y. Vending machine. 1,675,510; July 3.
- Nolan, John R., New York, N. Y. Coin-controlled mechanism for vending machines. 1,675,511; July 3.
- Nolan, Thaddeus A., Cincinnati, Ohio. Sign. 1,679,167; July 31.
- Noland, Barton H., Brooklyn, N. Y. Air-regulating means for liquid-fuel furnaces. 1,685,031; Sept. 18.
- Noland, T. W. (See Bolinger, Harvey L., assignor.)
- Nolde & Horst Co., The. (See Lengel, William L., assignor.)
- Nolen, James G., New York, N. Y., assignor to R. L. McElroy, Charlottesville, Va. Signal-alarm device for sprinkler systems. 1,665,561; Apr. 10.
- Nolen, James G., New York, N. Y., assignor to R. L. McElroy, Charlottesville, Va. Method and apparatus for testing signaling systems. 1,679,228; July 31.
- Nolen, Josephine. (See Du Priest, Guy, assignor.)

- Noling, Martin N., assignor to Barber-Colman Company, Rockford, Ill. Yarn cleaner. 1,657,275; Jan. 24.
- Noll, Albert, Duisburg, Germany. Shears for cutting blocks or bars. 1,686,392; Oct. 2.
- Noll, Friedrich, Benra'h, Germany. Persalts and making the same. 1,669,997; May 15.
- Noll, Theobald H., Bronx, N. Y., assignor to A. J. Dispenza. Electrical steam generation. Re16,935; Apr. 17.
- Nollau, Edgar H. (See McBurney, J. D., and Nollau.)
- Noller, Carl R. (See Adams, R., Noller, and Arvin.)
- Nolte, Charles E., et al. (See Tansill, Charles M., assignor.)
- Nolte, Frank G. (See Fuller, T. S., Adams, and Nolte.)
- Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,680,691; Aug. 14.
- Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,687,505; Oct. 16.
- Nolte, Henry J., and R. B. Prindle, Schenectady, N. Y., assignors to General Electric Company. Electron-discharge device. 1,673,789; June 12.
- Nolte, Josef. (See Schroeder, W., and Nolte.)
- Nolte, Karl, Dortmund, Germany. Connecting piece for iron sheet piling. 1,690,499; Nov. 6.
- Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Pipe-threading machine. 1,674,371; June 19.
- Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Tool for grooving pipe. 1,674,372; June 19.
- Non-Pressure Glazing Company. (See Meyer, Ferd H., assignor.)
- Non-Pressure Glazing Company. (See Murnane, Daniel J., assignor.)
- Non-Pressure Glazing Company. (See Murnane, Daniel J. and D. J., jr., assignors.)
- Noonan, William J., Mansfield, Mass. Electric roaster. 1,677,651; July 17.
- Norberg, Carl O., Worcester, Mass. Traction device for motor vehicles. 1,662,392; Mar. 13.
- Norberg, Erik, Lackawanna, N. Y. Auto triple-expansion engine. 1,671,838; May 29.
- Norberg, Ludwig W., Buffalo, N. Y. Stairway construction. 1,660,392; Feb. 28.
- Norco Mfg. Co. (See Roggier, John, assignor.)
- Norco Mfg. Co. (See Clark, Rex S., assignor.)
- Norcross, Thomas, Erdington, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Manufacturing tires. 1,690,240; Nov. 6.
- Nord, Swan E., Seattle, Wash. Funnel for liquids. 1,655,021; Jan. 3.
- Nord, Swan E., Seattle, Wash. Self-draining oil receptacle. 1,658,251; Feb. 7.
- Nord, Swan E., Seattle, Wash. Self-draining oil can. 1,687,583; Oct. 16.
- Nordberg, Bruno V., assignor to Nordberg Mfg. Co., Milwaukee, Wis. System for equalizing the load on prime movers. 1,671,121; May 29.
- Nordberg, John F., Portland, Oreg. Airplane construction. 1,672,276; June 5.
- Nordberg Mfg. Co. (See Nordberg, Bruno V., assignor.)
- Nordberg Manufacturing Company. (See Talboys, Henry H., assignor.)
- Nordberg Manufacturing Company. (See Wintzer, Rudolf, assignor.)
- Nordberg Manufacturing Company. (See Wintzer, Rudolf, assignor.)
- Nordell, Carl H., Fort Wayne, Ind., assignor to The Permutt Company. Feeding fluid by intermittent changes of fluid pressure. 1,689,557; Oct. 30.
- Nordell, Eskel, Fort Wayne, Ind., assignor, by mesne assignments, to The Permutt Company, New York, N. Y. Base exchange silicate and making same. 1,687,036; Oct. 9.
- Nordgren, Algot W. (See Burandt, G. A., and Nordgren.)
- Nordgren, Algot W., assignor to Marquette Manufacturing Company, St. Paul, Minn. Bumper fitting. 1,656,493; Jan. 17.
- Nordgren, Algot W., assignor to Marquette Manufacturing Company, St. Paul, Minn. Portable tool stand. 1,660,521; Feb. 28.
- Nordgren, Algot W., and G. A. Burandt, assignors to Marquette Manufacturing Company, St. Paul, Minn. Bumper and bumper support. 1,660,044; Feb. 21.
- Nordgren, Algot W., and G. A. Burandt, assignors to Marquette Manufacturing Company, St. Paul, Minn. Bumper support. 1,670,163; May 15.
- Nordgren, Algot W., and G. A. Burandt, assignors to Marquette Manufacturing Company, St. Paul, Minn. Bumper. 1,674,410; June 19.
- Nordgren, Algot W., St. Paul, Minn., assignor to Marquette Manufacturing Company. Coupling and steering device for automobiles. 1,694,278; Dec. 4.
- Nordgren, Algot W., assignor to Marquette Manufacturing Company, St. Paul, Minn. Bumper mounting. 1,695,602; Dec. 18.
- Nordin, Josef A., assignor to Aktiebolaget Stille-Werner, Stockholm, Sweden. Meat-slicing machine. 1,675,659; July 3.
- Nordin, Nils A., Seldovia, Alaska. Camera support and manipulator. 1,691,733; Nov. 13.
- Nordland, Alfred, De Smet, S. Dak. Elevator. 1,696,122; Dec. 18.
- Nordling, Ledvin F., Oslo, Minn. Spring wheel. 1,656,986; Jan. 24.
- Nordling, William G., Newark, N. J. Electric hot plate. 1,684,374; Sept. 11.
- Nordling, William G., Newark and A. Stewart, jr., Roselle, N. J. Metal-reclaiming process. 1,669,485; May 15.
- Nordman, Walter G. (See Carlson, J. E., and Nordman.)
- Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Compound lining can ends. 1,688,644; Oct. 23.
- Nordstrom, Arthur E. (See Higgins, F., and Nordstrom.)
- Nordstrom, Merco Valve Company. (See Nordstrom, Sven J., assignor.)
- Nordström, Otto, Sundsvall, Sweden. Drier. 1,669,012; May 8.
- Nordstrom, Raymond R., Litchfield, Minn. Figure wheel toy. 1,682,235; Aug. 28.
- Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. Re17,101; Oct. 9.
- Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,662,892; Mar. 20.
- Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,668,168; May 1.
- Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,671,603; May 29.
- Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,679,370; Aug. 7.
- Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,683,237; Sept. 4.
- Nordstrom, Sven J., Saratoga, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,689,799; Oct. 30.
- Nordstrom, Sven J., Oakland, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,696,726; Dec. 25.
- Norelius, Emil F., Davenport, Iowa. Rear-end assembly for power-driven vehicles. 1,665,470; Apr. 10.
- Norelius, Emil F., Davenport, Iowa. Control unit. 1,679,584; Aug. 7.
- Norgren, Carl A., Denver, Colo. Hose clamp. 1,684,713; Sept. 18.
- Norgren, Oscar B., assignor to A. J. Schmitt, Chicago, Ill. Binding post. 1,660,807; Feb. 28.
- Norling, Axel O. (See Routledge, G., and Norling.)
- Norling Karl A. P. (See Svensson, K. J., and Norling.)
- Norling, Reinhold A., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Reversible drill throttle. 1,695,777; Dec. 18.
- Norlipp Company, The. (See Lippert, Aloysius C., assignor.)
- Norlipp Company, The. (See Lippert, William V., assignor.)
- Norman, Ernest B., et al. (See Reilly, Clarence J., assignor.)
- Norman, Mack D. (See Brooks, H. I., and Norman.)
- Norman, Max, Brooklyn, N. Y. Spoon. 1,666,106; Apr. 17.
- Norman, Oscar, Seattle, Wash. Fish-cutting machine. 1,669,207; May 8.
- Norman, William, Norman, Nebr. Door catch. 1,686,417; Oct. 2.
- Norman, William S., assignor to Kwik Steps Co., Incorporated, Pine Bluff, Ark. Knockdown display stand. 1,655,331; Jan. 3.
- Normandale, Clarence L., Yeovil, England. Top for motor vehicles. 1,666,297; Apr. 17.
- Normington, Edwin B., Sacramento, Calif. Line-tapper-operating device. 1,687,584; Oct. 16.
- Norquist, Glenn H., Jamestown, N. Y. Auto table. 1,662,163; Mar. 13.
- Norquist, Victor C., Kansas City, Mo. Water softener. 1,661,675; Mar. 6.
- Norquist, Victor C., assignor to Butler Manufacturing Co., Kansas City, Mo. Water-softening system with semiautomatic regeneration. 1,661,676; Mar. 6.
- Norrhagen, Karl F. (See Mortenson, O. W., Thelin, and Norrhagen.)
- Norrie, George A., Waukesha, Wis. Combination casket and burial vault. 1,668,728; May 8.
- Norris, Almon E., Brookline, Mass. Clutch. 1,671,443; May 29.
- Norris, Almon E., Brookline, Mass. Grab. 1,671,444; May 29.
- Norris, Almon E., Brookline, Mass. Hoisting apparatus. 1,671,681; May 29.
- Norris, Almon E., Brookline, Mass. Vehicle construction. 1,671,682; May 29.
- Norris, Arthur J., Greenwich, Conn. Curtain ring. 1,666,298; Apr. 17.
- Norris Brothers, Incorporated. (See Norris, Daniel E., assignor.)
- Norris, Charles B. (See Curran, F. M., and Norris.)
- Norris, Charles B. (See Meyer, G. R., and Norris.)
- Norris, Charles C., Riverside, Calif. Ventilating seat for toilet bowls. 1,664,465; Apr. 17.
- Norris, Daniel E., assignor to Norris Brothers, Incorporated, Robinson, Ill. Working-barrel-cleaning device. 1,687,781; Oct. 16.

- Norris, Emmett L. (See Davidson, I. L., and Norris.)
 Norris, George L., Summit, N. J., assignor to Vanadium Corporation of America. Steel alloy. 1,680,301; Aug. 14.
 Norris, Harry. (See Fulewider, Jesse and H., Robinson, and Norris.)
 Norris, Henry N. (See Kitchen, R. H., and Norris.)
 Norris, Howard D. (See Meany, J. M., and Norris.)
 Norris, James K. (See Cowles, H., and Norris.)
 Norris, Paul E., Wilksburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage battery. 1,656,753; Jan. 17.
 Norris, Paul E., Wilksburg, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage battery. 1,665,603; Apr. 10.
 Norris, Paul E., and H. H. Aldrich, Wilksburg, assignors to Westinghouse Union Battery Company, Swissvale, Pa. Storage-battery separator. 1,665,604; Apr. 10.
 Norris, Ralph F. (See Weiss, H. F., and Norris.)
 Norris, Robert, Washington, D. C. Window-weather-proofing and sash-adjusting means. 1,672,228; June 5.
 Norris, Robert A., assignor of one-half to C. L. Brudewold, Chicago, Ill. Pocket lamp for oral use. 1,656,754; Jan. 17.
 Norris, Robert J. (See Sperti, G., Norris, Withrow, and Schneider.)
 Norris, W. C. (See Barney, William R., assignor.)
 Norris, Wilbur C. (See Barney, William R., assignor.)
 Norris, William, Kenosha, Wis. Crossing gate or barrier. 1,671,045; May 22.
 Norrlin, Charles H., Philadelphia, Pa. Hydraulic clutch for differential gearing. 1,659,833; Feb. 21.
 Norsk Hydro-Elektrisk Kvaestofaktieselskab. (See Falck, Hans J., assignor.)
 Norsk Hydro-Elektrisk Kvaestofaktieselskab. (See Halvorsen, Birger F., assignor.)
 Norstrom, N. E., Electric Manufacturing Company. (See Norstrom, Nils E., assignor.)
 Norstrom, Nils E., Chicago, Ill. Party-line telephone exchange. 1,691,080; Nov. 13.
 Norstrom, Nils E., assignor to N. E. Norstrom Electric Manufacturing Company, Chicago, Ill. Massage vibrator. 1,659,698; Feb. 21.
 North American Chemical Company. (See Thoma, Andrew, assignor.)
 North American Manufacturing Company, The. (See Naab, George F., assignor.)
 North Bros.' Mfg. Co. (See Fegley, T. J., and Leopold, assignors.)
 North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Producing agglomerated cream. 1,678,476; July 24.
 North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Whipping or agitating cream. 1,678,477; July 24.
 North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Churning cream into butter fat and apparatus therefor. 1,678,478; July 24.
 North, Charles V., San Gabriel, Calif. Rotary jar. 1,672,464; June 5.
 North, Clayton O., Tallmadge Township, Summit County, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacturing derivatives of the reaction product of amines and aldehydes. 1,659,151; Feb. 14.
 North, Clayton O., Tallmadge Township, Summit County, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Aliphatic aldehyde derivative of the condensation product of an aliphatic aldehyde and an aromatic primary amine and making same. 1,659,152; Feb. 14.
 North, Clayton O., Tallmadge Township, Summit County, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber softening and compounding ingredient. 1,679,000; July 31.
 North, Clayton O., Tallmadge Township, Summit County, and C. W. Christensen, assignors to The Rubber Service Laboratories Co., Akron, Ohio. Vulcanizing rubber. 1,670,312; May 22.
 North, Clayton O., Tallmadge Township, Summit County, and W. Scott, assignors to The Rubber Service Laboratories Co., Akron, Ohio. Rubber-vulcanization accelerator. 1,664,481; Apr. 3.
 North, Edwin W., assignor to National Lock Co., Rockford, Ill. Push-button catch. 1,672,901; June 12.
 North, Frederick K., assignor to Illinois Malleable Iron Co., Chicago, Ill. Anchor-plate assembly. 1,669,208; May 8.
 North, George H. (See Hunt, J. O., and North.)
 North, John H., Seattle, Wash. Valve. 1,682,624; Aug. 28.
 North, Joseph M., Arnold, Kans. Valve grinder. 1,687,382; Oct. 9.
 North & Judd Manufacturing Company. (See Carpmill, John F., assignor.)
 North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
 North & Judd Manufacturing Company. (See Hancock, Horace G., assignor.)
 North, Samuel A. (See Leckie, H. V., and North.)
 North, Stanley C., Eastwood, N. Y. Ball-socket ratchet wrench. 1,670,547; May 22.
 Northam Warren Corporation. (See Halk, Louis W., assignor.)
 North East Appliances, Inc. (See Dorsey, Farnum F., assignor.)
 North East Appliances Inc. (See Thompson, Russell G., assignor.)
 North East Electric Company. (See Adams, Harry A., assignor.)
 North East Electric Company. (See Connolly, William B., assignor.)
 North East Electric Company. (See Dorsey, Farnum F., assignor.)
 North East Electric Company. (See Lee, Thomas L., assignor.)
 North East Electric Company. (See Lee, T. L., and Rohr, assignors.)
 North East Electric Company. (See Sullivan, Raymond H., assignor.)
 North East Electric Company. (See Thompson, Russell G., assignor.)
 North East Electric Company. (See Wallis, Cyril T., assignor.)
 Northern Conveyor & Mfg. Co. (See Whitnall, Jesse B., assignor.)
 Northern Engraving Company. (See Myers, Arthur L., assignor.)
 Northern Equipment Company. (See Veenschoten, Vincent V., assignor.)
 Northern Equipment and Supply Company. (See Selvig, Gustaf A., assignor.)
 Northern Industrial Chemical Company. (See Fuller, Joseph C., assignor.)
 Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)
 Northern Trust Company, The, et al., trustees. (See Carlson, Artie C., assignor.)
 Northern Trust Company, The, et al., trustees. (See Myers, Lewis E., assignor.)
 Northern Trust Company, The, et al., trustees. (See Myers, L. E., Carlson, and Bates, assignors.)
 Northrop, John K., Sawtelle, Calif. Flushing tank. 1,659,922; Feb. 21.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Detector mechanism for looms. 1,661,337; Mar. 6.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle-box tension-controlling mechanism. 1,661,338; Mar. 6.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Loom. 1,661,339; Mar. 6.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Loom. 1,661,340; Mar. 6.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Warp stop motion for looms. 1,662,033; Mar. 6.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Dobby lever. 1,662,202; Mar. 13.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-feeler mechanism for looms. 1,662,393; Mar. 13.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Clutch mechanism for looms. 1,666,717; Apr. 17.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Let-off mechanism for looms. 1,670,633; May 22.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle-box-tension controlling mechanism for looms. 1,674,267; June 19.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler loom. 1,676,913; July 10.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Picker-stick-controlling means for looms. 1,678,268; July 24.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle. 1,688,204; Oct. 16.
 Northrop, Jonas, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Let-off mechanism. 1,690,424; Nov. 6.
 Northrup, Annabelle S., Norfolk, Va. Insect trap. 1,685,241; Sept. 25.
 Northrup, Edwin F., Princeton, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Rotary-field induction furnace. 1,677,528; July 17.
 Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Multiple-path water-cooled furnace. 1,681,950; Aug. 28.
 Northrup, Edwin F., near Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Induction pressure or vacuum furnace. 1,683,983; Sept. 11.
 Northrup, Edwin F., Princeton, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Submerged-channel induction furnace. 1,684,504; Sept. 18.
 Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Induction electric furnace. 1,694,791; Dec. 11.
 Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. High-frequency induction furnace. 1,694,792; Dec. 11.

- Northup, Amos E., Detroit, Mich. Closed vehicle body. Des. 76,410; Sept. 25.
- Northwest Blower Kiln Company. (See Mueller, Moritz L., assignor.)
- Northwest Engineering Company. (See Burke, Paul, assignor.)
- Northwest Engineering Corporation. (See Burke, P., and Orloff, assignors.)
- Northwestern Expanded Metal Company. (See Dean, James H., assignor.)
- Northwestern Manufacturing Company. (See Hansen, K. L., and Oesterlein, assignors.)
- Northwestern Motor Company. (See Anderson, Fridthjof W., assignor.)
- Northwestern Paper Goods Company. (See Olm, Oscar J., assignor.)
- Northwestern Terra Cotta Company, The. (See Niestradt, Ernest S., assignor.)
- Norwood, Charles O., Dormont, assignor to United States Glass Company, Pittsburgh, Pa. Goblet or similar article. Des. 74,893; Apr. 10.
- Norton, A. O., Inc. (See Hobbs, John W., assignor.)
- Norton, Alfred A. (See Lindgren, Waldemar L., assignor.)
- Norton, Alfred A., trustee. (See Lindgren, Waldemar L., assignor.)
- Norton, Allen B., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal mold. 1,675,043; June 26.
- Norton, Allen B., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Metal mold and method of casting. 1,689,595; Oct. 30.
- Norton, Allen B., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Preventing warpage of castings in cooling. 1,695,239; Dec. 11.
- Norton, Allen B., and M. Guyot, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Metal mold. 1,679,869; Aug. 7.
- Norton, Allen B., and M. Guyot, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Method of and mold for making castings. 1,679,870; Aug. 7.
- Norton, Arthur G., assignor to Alert Products, Inc., Holley, N. Y. Pump. 1,684,880; Sept. 18.
- Norton, Bertram, Claverley, near Wolverhampton, England. Apparatus for retarding wagons, tubs, and the like. 1,690,695; Nov. 6.
- Norton, Charles H., Plainville, Conn., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding apparatus. 1,676,620; July 20.
- Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester Mass. Cylindrical grinding machine. 1,681,902; Aug. 21.
- Norton, Charles H., assignor to Norton Company, Worcester, Mass. End-thrust bearing for grinding-wheel spindles. 1,690,425; Nov. 6.
- Norton, Charles L., Boston, Mass. Method and apparatus for making building units. 1,667,434; Apr. 24.
- Norton Company. (See Johanson, P., and Webster, assignors.)
- Norton Company. (See Larsson, Thure, assignor.)
- Norton Company. (See Norton, Charles H., assignor.)
- Norton Company. (See Saxe, Charles W., assignor.)
- Norton Company. (See Silven, Herbert A., assignor.)
- Norton Company. (See Washburn, Lorenzo S., assignor.)
- Norton Company. (See Webster, Duane E., assignor.)
- Norton, Don W., assignor to American Signs Corporation, Kalamazoo, Mich. Sign. Des. 77,254; Dec. 18.
- Norton, Edward L., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical network. 1,664,755; Apr. 3.
- Norton, Edward L., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave filter. 1,681,554; Aug. 21.
- Norton, Eva B., New York, N. Y. Irrigator. 1,689,746; Oct. 30.
- Norton, Frank W., Chicago, Ill. Lamp. 1,696,643; Dec. 25.
- Norton, Frederick H., East Liverpool, Ohio. Masonry arch for high-temperature use. 1,686,761; Oct. 9.
- Norton, Frederick H., Newell, W. Va., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Device for holding pyrometers. 1,667,355; Apr. 24.
- Norton, George M., Minneapolis, Minn. Cigar lighter. Des. 74,757; Mar. 20.
- Norton, James G., New York, N. Y. Measuring apparatus. 1,671,737; May 29.
- Norton, James G., Leonia, N. J. Paper container. 1,685,138; Sept. 25.
- Norton, John M., assignor to Plymouth Clay Products Company, Fort Dodge, Iowa. Floor block for disposal tanks. 1,687,782; Oct. 16.
- Norton Laboratories, Inc. (See Neal, James B., assignor.)
- Norton, Lewis C., Chicago, Ill., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Screen-door closer. 1,662,395; Mar. 13.
- Norton, Ralph H. (See MacChesney, C. M., and Norton.)
- Norton, Samuel H., Meadville, Pa. Chain hoist. 1,686,496; Oct. 2.
- Norton, Stuart E. (See Shevlin, J. P., and Norton.)
- Norvelle, Joseph J., Pittsfield, Mass. Display case or similar article. Des. 76,888; Nov. 13.
- Norviel, Harry E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,678,951; July 31.
- Norwich Wire Works, Inc. (See Beardsley, Lester A., assignor.)
- Norwood, Harry, Brooklyn, N. Y. Portable lamp. Des. 74,238; Jan. 10.
- Norwood, Harry G., Baltimore, Md., assignor to Continental Railway Supply Corporation, New York, N. Y. Railway-rail anchor. 1,662,618; Mar. 13.
- Norwood, Harry G., assignor of one-third to W. C. O'Brien and one-third to C. B. Rogers, Baltimore, Md. Castellated nut and making the same. 1,674,986; June 26.
- Norwood, Harry G., Baltimore, Md., assignor to A. D. T. Libby, Newark, N. J. Rubber heel. 1,690,696; Nov. 6.
- Norwood, Harry G., Baltimore, Md., assignor to American Dairy Supply Company, Washington, D. C. Wrapper. 1,696,445; Dec. 25.
- Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Measuring instrument. 1,657,805; Jan. 31.
- Norwood, Harry Y., Avon, assignor to Taylor Instrument Companies, Inc., Rochester, N. Y. Thermometer. 1,692,381; Nov. 20.
- Notkin, Jacob, Roxbury, Mass. Article of pastry. Des. 76,492; Oct. 2.
- Norwood, Joseph C., San Francisco, Calif. Multigraph type. 1,679,261; July 31.
- Norwood, Joseph C., San Francisco, Calif., assignor to Intertype Corporation. Mold. 1,684,360; Sept. 11.
- Nosal, Michael A., Omaha, Nebr. Vehicle ventilator. 1,674,373; June 19.
- Nose, Tomozo, Toyama-Ken, Japan. Lotting machine. 1,661,048; Feb. 28.
- Nothstine, Paul A., Dayton, Ohio. Picture-projecting apparatus. 1,656,389; Jan. 17.
- Nott, Henry W., Wharton, Tex. Direction signal for vehicles. 1,654,943; Jan. 3.
- Nottage, Stanley G., Murraysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current motor. 1,662,508; Mar. 13.
- Nottingham, Wayne B., Philadelphia, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Arrangement of carrier channels in multiplex signaling systems. 1,665,673; April 10.
- Notz, Felix, and G. Royan, assignors to American Oven & Machine Company, Chicago, Ill. Dough-mixing machine. 1,678,193; July 24.
- Notz, Felix, and G. Royan, assignors to American Oven & Machine Company, Chicago, Ill. Packing retainer for dough-mixing machines and the like. 1,678,194; July 24.
- Nourbourn, James W., administrator. (See Latham, Albert.)
- Nourie, Wendell A., Kankakee, Ill. Belt connector. Re-17,111; Oct. 23.
- Novack, William, Brooklyn, N. Y. Sanitary douche nozzle. 1,665,790; Apr. 10.
- Novak Club Inc., The. (See Novak, Joseph A., assignor.)
- Novak, Frank X., et al. (See Groh, Robert C., assignor.)
- Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Floor covering. 1,672,537; June 5.
- Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Friction element. 1,672,538; June 5.
- Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Impregnating the base of friction elements. 1,672,539; June 5.
- Novak, Izador J., assignor to The Raybestos Company, Bridgeport, Conn. Piled sheet and producing the same. 1,672,988; June 12.
- Novak, Izador J., assignor to Raybestos Company, Bridgeport, Conn. Brake lining and making same. 1,677,842; July 17.
- Novak, Izador J., assignor to Raybestos Company, Bridgeport, Conn. Friction element and producing same. 1,692,136; Nov. 20.
- Novak, James, Cleveland, Ohio. Convertible table. 1,676,108; July 3.
- Novak, Joseph A., assignor to The Novak Club Inc., San Francisco, Calif. Golf-club grip. 1,665,791; Apr. 10.
- Novel Sales Corporation. (See Lefkowitz, Jacob, assignor.)
- Novelli, Archimedes J., San Francisco, Calif. Adjustable volume aggregometer. 1,657,761; Jan. 31.
- Novelly Cutlery Company, The. (See Vignos, Alfred A., assignor.)
- Novick, Abraham, Brooklyn, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Envelope-transfer mechanism. 1,656,289; Jan. 17.
- Novick, Abraham, Brooklyn, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Plunger mechanism. 1,656,601; Jan. 17.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Liquid-level gauge. 1,687,506; Oct. 16.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Company, Incorporated, New York, N. Y. Variable-feed mechanism. 1,691,026; Nov. 6.
- Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 1,691,027; Nov. 6.

- Novin, Joseph, assignor to The Centre Lighting Fixture Mfg. Co., New York, N. Y. Chandelier. Des. 74,694; Mar. 13.
- Novin, Joseph, assignor to The Centre Lighting Fixture Mfg. Co., New York, N. Y. Lighting-fixture wall bracket. Des. 75,383; May 29.
- Novin, Joseph, assignor to The Centre Lighting Fixture Mfg. Co., New York, N. Y. Chandelier body or article of analogous nature. Des. 75,384; May 29.
- Novin, Joseph, assignor to The Centre Lighting Fixture Mfg. Co., New York, N. Y. Chandelier. Des. 75,864; July 24.
- Novo Engine Company. (See Speer, Jesse W., assignor.)
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley Post Office, Pa. Printing plate and making the same. 1,688,645; Oct. 23.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley Post Office, Pa. Printing-plate matrix and making the same. 1,688,646; Oct. 23.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley Post Office, Pa. Correcting printing plates. 1,688,647; Oct. 23.
- Novotny, Emil E., Philadelphia, assignor to J. S. Stokes, Spring Valley Farms, Huntingdon Valley Post Office, Pa. Curving printing plates. 1,688,648; Oct. 23.
- Nowack, Franz. (See Grünhut, F., and Nowack.)
- Nowak, Emma, Brooklyn, N. Y. Protector for backs of shoes. 1,691,582; Nov. 13.
- Nowalk, Frank T., Scranton, Pa. Jack-hammer support. 1,685,372; Sept. 25.
- Nowalk, Robert F. (See Watson, J. W., and Nowalk.)
- Nowicki, Martin. (See Goldberg, E., and Nowicki.)
- Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Ignition distributor. 1,654,993; Jan. 3.
- Nowosielski, Edward B., Bloomfield, N. J., assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 1,657,867; Jan. 31.
- Nowosielski, Edward B., assignor, by mesne assignments, to Seaboard Engineering Corporation, Newark, N. J. Connection plug. 1,669,013; May 8.
- Nowosielski, Edward B., Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Automatic governor. 1,683,626; Sept. 11.
- Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Electrical condenser. 1,695,778; Dec. 18.
- Noyes, Chester B. (See Peet, H. E., and Noyes.)
- Noyes, Harry A., Sound Beach, Conn., assignor to Texas Gulf Sulphur Company, Bay City, Tex. Sulphur-bearing article. 1,675,376; July 3.
- Noyes, Harry W., West Haven, Conn. Game apparatus. 1,663,024; Mar. 20.
- Noyes, Harry W., West Haven, assignor of one-half to A. G. Shields, New Haven, Conn. Vanity case. 1,684,454; Sept. 18.
- Noyes, Henry T., assignor to Art in Buttons Incorporated, Rochester, N. Y. Production or manufacture of disks or blanks for buttons or the like from irregularly-shaped pieces of material. 1,695,817; Dec. 18.
- Noyes, Henry T., and R. Stanforth, assignors to Art in Buttons Incorporated, Rochester, N. Y. Production or manufacture of disks or blanks for buttons or the like from irregularly-shaped pieces of material. 1,695,816; Dec. 18.
- Noyes, Jasper. (See Cronenberger, F., and Noyes.)
- Nozawa, Ichiro, Tokyo, Japan. Steel or iron pillar particularly adapted for mounting electric wires. 1,674,120; June 19.
- Nuanez, Perfecto, Holbrook, Ariz. Automobile signal. 1,674,690; June 26.
- Nuccio, Blaise J., New Orleans, La. Building-cooling system. 1,680,472; Aug. 14.
- Nuckols, Claude C., Menands, N. Y. Drawing board and attached straight edge. 1,686,980; Oct. 9.
- Nuebling, Emil L., Reading, Pa. Meter box. 1,667,981; May 1.
- Nuernberg, Theresa, Passaic, N. J. Nursing-bottle holder. 1,671,085; May 22.
- Nugent, Alan M., Unionville, N. Y. Ground fitting. 1,681,129; Aug. 14.
- Nugent, Francis J., Astoria, N. Y. Locking device for galleys. 1,679,778; Aug. 7.
- Nugent, John C. (See Hurr, S. M., and Nugent.)
- Nugent, Joseph, San Jose, Calif. Rubber heel. 1,687,684; Oct. 16.
- Nuhn, Hans, Karlsruhe, Germany, and L. H. Blood, Matawan, N. J., assignors to Antimony Products Corporation, New York, N. Y. Preparing antimony sulphide. 1,671,203; May 29.
- Nuhring, Charles, Cincinnati, Ohio. Fire extinguisher. 1,670,979; May 22.
- Null, Fay E., Urbana, Ill. Device for amplifying voltage and current. 1,659,636; Dec. 21.
- Nullau, Alexander, Berlin-Niederschonhausen, assignor to Bergmann-Elektricitäts-Werke Aktiengesellschaft, Berlin, Germany. Loom. 1,673,702; June 12.
- Nulty, Evalyn F., Ocean City, N. J. Button. 1,662,203; Mar. 13.
- Nulty, Joseph J. (See Hesskew, W. R., and Nulty.)
- Num, Woo. (See Harbst, Frederick J., assignor.)
- Nunes, Roland, Corona, Calif. Adjustable hose clamp for milking machines. 1,689,889; Oct. 30.
- Nunez, Vasco E., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Duplex paraffining machine. 1,669,381; May 8.
- Nuss, Max, Darmstadt, Germany. Gas burner. 1,692,382; Nov. 20.
- Nussbaum, Sam, Berne, Ind. Box. Des. 74,695; Mar. 13.
- Nüsslein, Joseph, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Dyeing fibrous materials. 1,684,881; Sept. 18.
- Nüsslein, Joseph, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Fulling wool and the like. 1,685,680; Sept. 25.
- Nute, Herbert N., Brookline, Mass. Tobacco pipe. 1,656,922; Jan. 24.
- Nutt, Buell W., Lakewood, Ohio. Push button for electric switches, etc. 1,656,952; Jan. 24.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive. 1,662,536; Mar. 13.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Bumper. 1,665,320; Apr. 10.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Instrument-board assembly. 1,686,169; Oct. 2.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Automatic heat-control device. 1,694,751; Dec. 11.
- Nutt, Frank N., assignor to A C Spark Plug Company, Flint, Mich. Instrument-panel bezel. 1,694,752; Dec. 11.
- Nutt, Harry G., Altadena, and S. C. Bartholomew, assignors to Scheu Manufacturing Company, Uplands, Calif. Fruit-marking apparatus. 1,656,494; Jan. 17.
- Nuttall, R. D., Company. (See Burnham, Leland F., assignor.)
- Nuttall, R. D., Company. (See Keim, Lester H., assignor.)
- Nuttall, Richard, Sydney, New South Wales, Australia. Propulsion means for aircraft or the like. 1,694,602; Dec. 11.
- Nutting Truck Co. (See Nutting, Walter M., assignor.)
- Nutting, Walter M., assignor to Nutting Truck Co., Fairbault, Minn. Truck. 1,672,035; June 5.
- Nutting, Willard H., Oakland, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Lowervator. 1,694,515; Dec. 11.
- Nu-Way Corporation, The. (See Braden, Marshall H., assignor.)
- Nuyis, Georges, Paris, France. Toothbrush. 1,676,703; July 10.
- Nyakas, Stefan, Budapest, Hungary. Speed aeroplane. 1,674,177; June 19.
- Nyce, Peter Q. (See Mills, Ronald V., assignor.)
- Nycz, Louis, Binghamton, N. Y. Automobile. 1,665,974; Apr. 10.
- Nydgqvist, Antenor, Trollhattan, Sweden. Blade wheel. 1,664,895; Apr. 3.
- Nye, Alvin F., assignor to Fli-Bac Screen Corporation, Rochester, N. Y. Window screen. 1,692,759; Nov. 20.
- Nye, George F., McCook, Nebr. Thrashing machine. 1,670,273; May 15.
- Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. System of distribution. 1,685,746; Sept. 25.
- Nye, Henry V., West Allis, assignor to Allis-Chalmers Company, Milwaukee, Wis. System of distribution. 1,685,747; Sept. 25.
- Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Induction-motor control system. 1,693,587; Nov. 27.
- Nye, John R., Chicago, Ill. Doughnut-cutting machine. 1,657,276; Jan. 24.
- Nye, Pearl R., Chicago, Ill. Window. 1,690,204; Nov. 6.
- Nye, Ralph D., Columbus, Ohio. Furnace valve. 1,662,124; Mar. 13.
- Nye, Sherman G., Colorado Springs, assignor of one-half to D. B. Simon and one-fourth to A. Mann, W. Mann, H. Mann, and F. Mann, Denver, Colo. Telegraph indicator. 1,686,293; Oct. 2.
- Nye Tool & Machine Works, The. (See Lilleberg, Tideman M., assignor.)
- Nye, William L., San Francisco, Calif. Press-feed guide. 1,681,860; Aug. 21.
- Nyegaard & Co. A/S. (See Laland, Per, assignor.)
- Nyeczick, Valentin, Akron, Ohio. Hygienic shaving-soap receptacle. 1,658,388; Feb. 7.
- Nygaard, Oscar O., Saugus, Mass. Combined skate and ski. 1,658,093; Feb. 7.
- Nygaard, Oscar, Saugus, assignor to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall and brick therefor. 1,693,400; Nov. 27.
- Nygaard, Oscar O., Saugus, Mass., assignor to Combustion Engineering Corporation, New York, N. Y. Stoker air control. 1,696,144; Dec. 18.
- Nygaard, Oscar, Saugus, assignor to Bernitz Furnace Appliance Company, Boston, Mass. Brick for furnace-wall construction. 1,696,813; Dec. 25.
- Nygaard, Oscar, Saugus, and B. H. Snow, West Medford, assignors to Bernitz Furnace Appliance Company, Boston, Mass. Furnace wall and brick therefor. 1,696,812; Dec. 25.
- Nylund, Andro, Alameda, Calif. Animal trap. 1,662,394; Mar. 13.
- Nyman, Alexander, New York, N. Y. Loud speaker. 1,695,779; Dec. 18.

- Nyman, Alexander, Tuckahoe, assignor to Dubilier Condenser Corporation, New York, N. Y. Tension regulator. 1,676,797; July 10.
- Nyman, Alexander, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Shielded transmitter. 1,682,409; Aug. 28.
- Nyman, Alexander, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,691,901; Nov. 13.
- Nyman, Alexander, Wilkinsburg, and F. Conrad, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Telephone circuits and apparatus. 1,693,401; Nov. 27.
- Nyman, John O., assignor to The United Metal Products Company, Canton, Ohio. Bumper for sliding doors. 1,683,793; Sept. 11.
- Nymann, Anton, Omaha, Nebr. Oil can. 1,657,273; Jan. 24.
- Nyquist, Harry. (See Clark, A. B., Nyquist, and Gannett.)
- Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Regulating the transmission over electric circuits. 1,661,263; Mar. 6.
- Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Apparatus and method for generating pure sine waves of electromotive force. 1,691,986; Nov. 20.
- Nyquist, Harry, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Regulating the transmission over electric circuits. 1,661,264; Mar. 6.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Picture-transmitting system. 1,670,375; May 22.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. High-speed signaling system. 1,670,376; May 22.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Distortion compensator. 1,675,460; July 3.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Picture-transmitting system. 1,680,390; Aug. 14.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Distortion correction for transmission lines. 1,681,252; Aug. 21.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Phase-regulating system. 1,683,725; Sept. 11.
- Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Multiplex carrier-current signaling. 1,684,455; Sept. 18.
- Nyquist, Harry, Millburn, and K. W. Pfeiffer, Arlington, N. J., assignors to American Telephone and Telegraph Company. Echo suppressor. 1,693,659; Dec. 4.
- Nyquist, Harry, Millburn, and S. B. Wright, East Orange, N. J., assignors to American Telephone and Telegraph Company. Radio telephone system. 1,674,695; June 26.
- Nystrom, Benjamin C., Minneapolis, Minn. Advertising change tray. Des. 75,282; May 22.
- Nystrom, Fred, New York, N. Y. Ironing-board cabinet. 1,673,583; June 12.
- Nystrom, Karl F., Chicago, Ill. Car construction. 1,666,299; Apr. 17.
- Nystrom, Martin, Chicago, Ill. Sound-box casing. Des. 75,385; May 29.
- Nystrom, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Station-selector dial for radio receiving sets. 1,665,891; Apr. 10.
- Nystrom, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Phonograph-record album. 1,683,479; Sept. 4.
- Nystrom, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Combined phonograph and radio apparatus. 1,691,987; Nov. 20.
- Nystrom, Oscar P., assignor to Holland Furnace Company, Holland, Mich. Warm-air furnace. 1,674,736; June 26.
- Nystrom, Oscar P., and J. P. Kolla, assignors to Holland Furnace Company, Holland, Mich. Warm-air furnace. 1,674,735; June 26.
- O. & J. Machine Company, The. (See Johnson, J. E., and Oslund, assignors.)
- O. & J. Machine Company, The. (See Oslund, C. H., and Johnson, assignors.)
- O. K. Playing Card Company. (See Kubatzky, Otto, assignor.)
- O. K. Tool Company, The. (See Severson, Ole, assignor.)
- O. K. Tool Company, The. (See Weddell, Ralph R., assignor.)
- O. M. I. M. Officina Meccanica Industria Maglieria. (See Neveux, Fortunato, assignor.)
- O. M. I. M. Officina Meccanica Industria Maglieria. (See Nigra, Giuseppe, assignor.)
- O-N Spring Shackle Company. (See Henry, Raymond, assignor.)
- Oakes, Alfred C. (See Oakes, Travis and A. C.)
- Oakes & Burger Co. (See Wolf, Frank F., assignor.)
- Oakes Manufacturing Company, The. (See Lord, Fred W., assignor.)
- Oakes, Raymond H., assignor to R. H. Comey, Brooklyn Company, Inc., Brooklyn, N. Y. Treating hats and the like. 1,685,199; Sept. 25.
- Oakes, Travis and A. C., Mount Vernon, Ohio, assignors to Pittsburgh Plate Glass Company. Apparatus for severing glass sheets. 1,661,846; Mar. 6.
- Oakland California Towel Company. (See Trewhitt, J. E., and Hillery, assignors.)
- Oakland Foundry Co. (See Clark, Robert F., assignor.)
- Oakland Machinery Company. (See Farum, E. P., and Specht, assignors.)
- Oakland, Martin, Chicago, Ill. Cultivating implement. 1,683,395; Sept. 4.
- Oakley, Alfred, assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet. Des. 77,255; Dec. 18.
- Oakley, Clifford H. (See Rett, Carl E., assignor.)
- Oakley, Clifford H., Trenton, N. J. Vulcanizing apparatus. 1,677,200; July 17.
- Oakley, Clifford H., Trenton, N. J. Apparatus for continuous treatment of work under pressure. 1,677,201; July 17.
- Oakley, Edward C. F., Norbury, England. Apparatus for delivering measured quantities of liquids. 1,685,409; Sept. 25.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Bridge washer and nut for tire valves. 1,655,104; Jan. 3.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Bridge washer for tire valves. 1,655,105; Jan. 3.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Supply pipe. 1,656,222; Jan. 17.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Making tire-valve caps and the like. 1,672,082; June 5.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Waste connection. 1,678,783; July 31.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Making tire-valve stems and the like. 1,684,194; Sept. 11.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Electric-light socket. 1,686,248; Oct. 2.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Making battery nuts. 1,693,957; Dec. 4.
- Oakley, Erastus G., Southport, assignor to Bridgeport Brass Company, Bridgeport, Conn. Dust cap for tire valves. 1,695,818; Dec. 18.
- Oakley, George E., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Air brake. 1,664,787; Apr. 3.
- Oakley, George E., assignor, by mesne assignments, to Consolidated Car-Heating Company, Inc., Albany, N. Y. Car-door control. 1,687,223; Oct. 9.
- Oakley, George E. J., Clough, and K. G. Smith, Maidenhead, England, assignors to Brandes Laboratories, Inc., Newark, N. J. Radio-receiving apparatus. 1,674,218; June 19.
- Oakley, John, assignor, by mesne assignments, to Perkins Machine and Gear Company, Springfield, Mass. Broaching machine. 1,692,564; Nov. 20.
- Oakley, John, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Broach mechanism. 1,684,139; Sept. 11.
- Oakley, Laurence M., Trenton, N. J. Shoe heel. Des. 76,201; Aug. 28.
- Oakley, Laurence M., Trenton, N. J. Shoe sole. Des. 76,411; Sept. 25.
- Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Shoe heel. Des. 77,025; Nov. 27.
- Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Shoe sole. Des. 77,183; Dec. 11.
- Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Shoe sole. 1,672,653; June 5.
- Oakley, Richard O., St. Louis, Mo. Weather strip. 1,675,275; June 26.
- Oakley, Richard O., St. Louis, Mo. Filler weather strip. 1,686,101; Oct. 2.
- Oates, Norford L., Seattle, Wash. Calculating device. 1,678,019; July 24.
- Oates, Thomas L., Rhodhiss, N. C. Conveying-pipe cotton cleaner. 1,663,091; Mar. 20.
- Oathout, Charles E., assignor to Kaynee Company, Cleveland, Ohio. Blouse. 1,657,092; Jan. 24.
- Oatley, Henry B., Flushing, N. Y., assignor to The Superheater Company, New York, N. Y. Locomotive front end. 1,676,347; July 10.
- Obbard, Norman B., Pittsburgh, Pa. Truss. 1,693,660; Dec. 4.
- Ober, Hermon P., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,681,903; Aug. 21.
- Ober, Katharine H., Baltimore, Md. Electrically-heated bathtub. 1,669,773; May 15.
- Ober, Leonard, Baltimore, Md. Lamp-shade construction. 1,660,883; Feb. 28.
- Ober, Raymond E., Crosby, Minn. Peat fuel. 1,691,734; Nov. 13.
- Ober, William, and C. F. Eakins, Brush, Colo. Hoisting apparatus. 1,662,324; Mar. 13.
- Oberbeck, Joseph W., St. Louis, Mo., assignor of one-half to C. A. Winston, Bowden, Okla. Gripping tool for engaging and pulling pump rods. 1,661,231; Mar. 6.

- Oberdorfer, Hans S. (See Meyers, F. C., and Oberdorfer.)
 Oberdorfer, Henry D., Champaign, Ill. Portable bleacher. 1,677,362; July 17.
- Öberg, Edvin C. G., Helsingborg, Sweden, assignor to O. R. Lundin, Boston, Mass. Box for holding superimposed edged blades and unit razor-blade packages. 1,669,421; May 15.
- Oberg, Gunnard. (See More, G., and Oberg.)
- Obergfell, Herbert F., River Forest, assignor to Automatic Electric Inc., Chicago, Ill. Telephone desk stand. Des. 74,188; Jan. 3.
- Obergfell, Herbert F., River Forest, assignor to Automatic Electric Inc., Chicago, Ill. Telephone set. Des. 74,620; Mar. 6.
- Obergfell, Herbert F., River Forest, assignor to Automatic Electric Company, Chicago, Ill. Combined switch box and support for a hand telephone. Des. 74,985; Apr. 24.
- Obergfell, Herbert F., River Forest, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Paneled structure. 1,660,933; Feb. 28.
- Obergfell, Herbert F., River Forest, and J. Erickson, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Insulated screw. 1,674,258; June 19.
- Oberhammer, Ludwig, Munich, Germany. Automatic or self-loading small arm. 1,664,788; Apr. 3.
- Oberhauser, Emil E., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism for cash registers. 1,686,924; Oct. 9.
- Oberheim, Jacob, New York, N. Y. Safety razor. 1,694,337; Dec. 4.
- Oberheu, Fred A., Detroit, Mich. Sign-supporting device. 1,676,835; July 10.
- Oberhuber, William F., Lansdowne, Pa. Valve and flanged seal. 1,679,779; Aug. 7.
- Oberle, Alfred, Oak Park, Ill., assignor of one-half to T. E. Scofield, Kansas City, Mo. Purifying and decolorizing petroleum hydrocarbons. 1,674,020; June 19.
- Oberle, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Carbonaceous fuel and making same. 1,674,837; June 26.
- Oberly, Christian F., Humboldt, Nebr. Pig feeder. 1,656,223; Jan. 17.
- Oberschmidt, Frederick H., Cleveland, Ohio, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical controller. 1,691,735; Nov. 13.
- Oberwegner, Alfred R., Toledo, Ohio. Caster lock. 1,687,631; Oct. 16.
- Obiol, Felipe, Buenos Aires, Argentina. Mold head for the formation of a fissure in the mouth of glass bottles or porcelain, etc. 1,655,917; Jan. 10.
- O'Boyle, William, Chicago, Ill. News stand with adjustable top. 1,696,817; Dec. 25.
- O'Brien, Edwin K., Charlottesville, Va. Plastic preparation. 1,690,648; Nov. 6.
- O'Brien, George P., et al., trustees. (See Smith, William J., assignor.)
- O'Brien, James F., Seattle, Wash. Adjustable stilt. 1,679,168; July 31.
- O'Brien, James F., Seattle, Wash. Toy vehicle. 1,679,169; July 31.
- O'Brien James F., Seattle, Wash. Velocipede. 1,679,170; July 31.
- O'Brien, Joseph, Maplewood, assignor to A. E. Bosley, St. Louis, Mo. Axle support. 1,673,990; June 19.
- O'Brien, Joseph F., et al. (See Muckey, Floyd S., assignor.)
- O'Brien, Kenneth, Calpine, Calif. Sheet and station indicator. 1,683,575; Sept. 4.
- O'Brien, Patrick F., Franklin, Mass. Loom feeler mechanism. 1,683,369; Sept. 4.
- O'Brien, Robert J., Jr., Belleville, assignor to Collway Laboratories, Inc., Newark, N. J. Weighting silk and the product thereof. 1,684,286; Sept. 11.
- O'Brien, Thomas, Philadelphia, Pa. Brush attachment for automobiles. 1,660,934; Feb. 28.
- O'Brien, Thomas, Philadelphia, Pa. Sleeve for insulated switch rods. 1,671,738; May 29.
- O'Brien, Thomas, Sharon, and R. E. Zimmerman, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Cleaning tin plate. 1,678,297; July 24.
- O'Brien, Timothy. (See Feeney, G., and O'Connor, assignor.)
- O'Brien, William C., et al. (See Norwood, Harry G., assignor.)
- O'Brien, William C., Baltimore, Md., assignor to Cline Electric Manufacturing Company, Chicago, Ill. Starter for electric motors. 1,665,562; Apr. 10.
- O'Brian, William C., Canton, Ohio, assignor to Central Alloy Steel Corporation, New York, N. Y. Electric hammer. 1,683,794; Sept. 11.
- O'Brien, William G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making articles from a fibrous composition. 1,676,798; July 10.
- O'Bryan, James W. (See O'Bryan, Kenneth C., and J. W.)
- O'Bryan, Kenneth C. and J. W., Washington, D. C. Space-graduating mechanism for typewriters and the like. 1,693,796; Dec. 4.
- O'Bryan, Kenneth C. and J. W., Washington, D. C. Graduating character spacing in a typewriter. 1,693,797; Dec. 4.
- O'Bryon, Estelle L., Berkeley, Calif. Collar protector for hangers. 1,657,806; Jan. 31.
- Oceania Industries Limited. (See Stanley, John C. W., assignor.)
- O-Cedar Corp'n. (See Brown, Peter, assignor.)
- O-Cedar Corp'n. (See Channell, Charles A., assignor.)
- O-Cedar Corp'n. (See Welling, Matthew J., assignor.)
- Ochiltree, Ned A., assignor to Concrete Engineering Company, Omaha, Nebr. Fence post. 1,684,802; Sept. 18.
- Ochs, Clarence, and B. Hildebrand, Long Beach, Calif., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Method of and apparatus for inducing and increasing the flow of wells. 1,682,929; Sept. 4.
- Ochwat, Paul. (See Kränzlein, G., Zahn, Ochwat, and Corell.)
- Ochwat, Paul. (See Zahn, K., and Ochwat.)
- Ocker, George J., Troxelville, Pa. Battery connection. 1,670,634; May 22.
- O'Connell, James E. (See Folger, H. C., and O'Connell.)
- O'Connell, William J. (See Truesdell, J. G., and O'Connell.)
- O'Connell, William L. (See Bartlett, Linton G., assignor.)
- O'Conner, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Roller side bearing. 1,670,477; May 22.
- O'Conner, John F., assignor to The W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,670,478; May 22.
- O'Conner, Arthur F., assignor to Union Railway Equipment Company, Chicago, Ill. Chain anchor for brake gears. 1,665,188; Apr. 3.
- O'Connor, Edward E., Strathmore, Quebec, Canada. Combined book hanger and advertising medium. 1,680,302; Aug. 14.
- O'Connor, Georgia S., Minneapolis, Minn. Screen for a room. Des. 74,518; Feb. 21.
- O'Connor, Harold J., Buffalo, N. Y. Traffic sign or similar article. Des. 75,386; May 29.
- O'Connor, James J., jr., assignor to Whiting & Cook, Inc., Holyoke, Mass. Box for stationery. 1,657,277; Jan. 24.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. Des. 16,846; Jan. 3.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,660,567; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,660,568; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,660,569; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,660,570; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,660,571; Feb. 28.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,661,335; Mar. 6.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Connector for mine cars and the like. 1,662,893; Mar. 20.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,663,992; Mar. 27.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,663,993; Mar. 27.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,663,994; Mar. 27.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Shock-absorbing mechanism. 1,664,312; Mar. 27.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,671,604; May 29.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake for railway cars. 1,671,605; May 29.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,673,371; June 12.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,673,372; June 12.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Center bearing. 1,673,871; July 31.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,680,336; Aug. 14.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,680,337; Aug. 14.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing. 1,682,019; Aug. 28.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake. 1,683,396; Sept. 4.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Hand brake for railway cars. 1,684,505; Sept. 18.

- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,684,506; Sept. 18.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction roller bearing. 1,684,507; Sept. 18.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,684,508; Sept. 18.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,685,173; Sept. 25.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,685,612; Sept. 25.
- O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Side bearing for railway cars. 1,696,318; Dec. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,660,573; Feb. 28.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,660,574; Feb. 28.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,661,572; Feb. 28.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,664,313; Mar. 27.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,664,314; Mar. 27.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,667,798; May 1.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,667,799; May 1.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,674,872; June 26.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,674,873; June 26.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,675,660; July 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,675,661; July 3.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,682,020; Aug. 28.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Buffing mechanism. 1,682,021; Aug. 28.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,683,397; Sept. 4.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,683,398; Sept. 4.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,683,399; Sept. 4.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,684,509; Sept. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,684,510; Sept. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator-car-door-operating mechanism. 1,685,174; Sept. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism. 1,685,175; Sept. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock-absorbing mechanism. 1,685,176; Sept. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Buffing mechanism. 1,685,177; Sept. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Buffing mechanism. 1,685,178; Sept. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 1,688,649; Oct. 23.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,689,291; Oct. 30.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,689,449; Oct. 30.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Antifriction bearing. 1,689,450; Oct. 30.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,689,451; Oct. 30.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,692,687; Nov. 20.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,692,688; Nov. 20.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,692,689; Nov. 20.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,693,816; Dec. 4.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,694,793; Dec. 11.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,695,499; Dec. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,695,500; Dec. 18.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,696,319; Dec. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,696,320; Dec. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Journal-box-aligning device. 1,696,321; Dec. 25.
- O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Railway-car truck. 1,696,322; Dec. 25.
- O'Connor, John J., Bridgeport, Conn., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Shoe form. 1,660,426; Feb. 28.
- O'Connor, John L., Portland, Me. Dividers. 1,663,855; Mar. 27.
- O'Connor, John P., New York, N. Y. Flying machine. 1,675,988; July 3.
- O'Connor, Robert E., Lynn, Mass. Scouring roll. 1,655,287; Jan. 3.
- O'Connor, Robert E., Fort Wayne, Ind., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Shoulder-finishing attachment for road. 1,673,298; June 12.
- O'Connor, Thomas. (See Feeney, G., and O'Connor.)
- O'Connor, William H., assignor to J. F. Conroy, sr., East Orange, N. J. Rotary cutting head. 1,675,765; July 3.
- O'Connor, Cornelius C., assignor to Simmons Company, Kenosha, Wis. Metal table. 1,684,966; Sept. 18.
- Oddo, Charles A., Buffalo, N. Y. Brush kit. 1,667,044; Apr. 24.
- O'Dea, Mark, St. Paul, Minn. Automobile luggage carrier. 1,665,892; Apr. 10.
- Odean, Henry T., assignor of one-third to A. E. Larson and one-third to H. C. Christianson, Spokane, Wash. Antiskid device. 1,655,508; Jan. 10.
- Odell, Edwin, Central City, Nebr. Obstetrical instrument. 1,690,942; Nov. 6.
- Odell, John B., Riverside, Calif. Electric steam radiator. 1,662,935; Mar. 20.
- Odell, William M. (See Royster, P. H., and Odell.)
- Odell, William W. (See Botsford, Claude W., assignor.)
- Odell, William W., Minneapolis, Minn. Heat-insulating material and its manufacture. 1,657,582; Jan. 31.
- Oden, Eugene R., Lankershim, Calif. Sealing expansion joints. 1,691,402; Nov. 13.
- Oden, Eugene R., Lankershim, Calif. Forestalling leakage in concrete reservoirs. 1,693,094; Nov. 27.
- Odiorne, William H., assignor to Mercury Manufacturing Company, Chicago, Ill. Ballot holder for trucks. 1,670,738; May 22.
- Odlin, Susan I., Dayton, Ohio. Hand loom. 1,667,330; Apr. 24.
- Odom, Daniel E., Bennettsville, S. C. Spring-handling apparatus. 1,676,704; July 10.
- Odom, Daniel E., Bennettsville, S. C. Spring motor. 1,677,045; July 10.
- Odom, Leland L., assignor to Purity Chemical Company, Memphis, Tenn. Reconditioning crank-case oil. 1,655,660; Jan. 10.
- O'Donnell, Edward P., Klefer, Okla. Valve-grinding machine. 1,667,602; Apr. 24.
- O'Donnell, Ellen, administratrix. (See O'Donnell, Michael.)
- O'Donnell, John R., and F. J. Corradini, Los Angeles, Calif. Orange-juice mill. 1,673,156; June 12.
- O'Donnell, Michael, deceased, Long Island City, N. Y.; E. O'Donnell, administratrix. Boiler construction. 1,675,194; June 26.
- O'Donnell, Thomas. Ironwood, Mich. Socket box. 1,681,678; Aug. 21.
- O'Donnell, Thomas E., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-twisting apparatus. 1,684,511; Sept. 18.
- O'Dowd, Henry W., Jersey City, N. J., assignor to Standard Gas Equipment Corporation. Gas range. 1,656,529; Jan. 17.
- O'Dwyer, Philip, Detroit, Mich. Tile. 1,692,383; Nov. 20.
- Oeffner, Abiram A., Mount Union, assignor to The Harbison-Walker Refractories Company, Pittsburgh, Pa. Forming and delivering charges of fictile material. 1,675,906; July 3.
- Oehmichen, Etienne, Valentigney, France. Propelling or lifting device with automatic correction. 1,676,572; July 10.
- Oehmichen, Etienne, Valentigney, France. Cinematographic apparatus. 1,692,092; Nov. 20.
- Oehmig, Paul, jr., and F. Lutzner, Chicago, Ill. Making seamless tubing. 1,664,990; Apr. 3.
- Oehrn, Hans. (See Kaltwasser, O., Oehrn, and Kirchhoff.)
- Oelberg, John R. (See Kill, Vincent P., assignor.)
- Oesch, Johann, Glockenthal, near Steffsburg, Switzerland. Painting urinals. 1,665,859; Apr. 10.

- Oess, Gustav, Essen, Germany. Construction of tracks of street railways. 1,684,680; Sept. 18.
- Oesterlein, William J. (See Hansen, K. L., and Oesterlein.)
- Oesterrische Daimler-Motoren Aktiengesellschaft. (See Raab, Leopold, assignor.)
- Oestnaes, Victor L., Westfield, assignor to American Gas-accumulator Company, Elizabeth, N. J. Reflector signal head. 1,688,018; Oct. 16.
- Oestreicher, Bernard, New York, N. Y. Garment rack. 1,660,973; Feb. 28.
- Oettinger, Henry, Jersey City, N. J. Flangeway guard. 1,694,557; Dec. 11.
- Offemaria, Engracio P., Chicago, Ill. Valve leak and puncture detector. 1,683,095; Sept. 4.
- Offenhauser, Christopher, Philadelphia, Pa. Separator. 1,682,535; Aug. 28.
- Office Equipment Patents Corporation. (See Wigginton, George P., assignor.)
- Officer, Charles B., Chicago, Ill., assignor to Sullivan Machinery Company. Coal cutter and loader. 1,661,628; Mar. 6.
- Officer, Charles B., Winnetka, Ill., assignor to Sullivan Machinery Company. Mining machine. 1,679,127; July 31.
- Off'N'On Chain Corporation. (See Johnston, Andrew L., Jr., assignor.)
- Ofutt, Ira, assignor of one-fourth to C. Thizpen and one-fourth to A. Richard, Whitney, Tex. Coupling attachment for tractors. 1,659,046; Feb. 14.
- O'Flaherty, Edward J., Lakewood, Ohio. Tool chuck. 1,694,558; Dec. 11.
- O'Friel, William, Braddock, Pa. Wall-paper bracket. 1,695,466; Dec. 18.
- Ogden, Amos, Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Depth charge, bomb, projectile, and other explosive bodies. 1,683,692; Sept. 11.
- Ogden, Amos, Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Percussion and hydrostatic fuse. 1,693,661; Dec. 4.
- Ogden, Benjamin V., Philadelphia, Pa. Switch for automobile stop lights. 1,658,207; Feb. 7.
- Ogden, Blanchard, San Diego, Calif. Shaving-soap cake and holder therefor. 1,667,045; Apr. 24.
- Ogden, Clarence E., Cincinnati, Ohio, assignor to The Kodel Radio Corporation. Electrolytic rectifier. 1,661,703; Mar. 6.
- Ogden, Clarence E., Cincinnati, Ohio. Vibrator for alternating-current rectifiers. 1,693,491; Nov. 27.
- Ogden, J. Edward. (See Prescott, Arthur T., assignor.)
- Ogden, Jacob W. (See Pitney, A. H., and Ogden.)
- Ogden, John E. (See McIntosh, Roy E., assignor.)
- Ogden, John E. (See Ogden, Ralph E., assignor.)
- Ogden, John E. (See Tomkinson, Charles C., assignor.)
- Ogden, John E. L., Liscard, England. Double-acting steam and like pump. 1,656,362; Jan. 17.
- Ogden, John J., Memphis, Tenn. Dentist's forceps. 1,676,042; July 3.
- Ogden, Ralph E., Woodmere, N. Y., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield. 1,669,014; May 8.
- Ogden, Warren G. (See Terry, Arthur L., Jr., assignor.)
- Ogilvie, William, Solihull, assignor to B. S. A. Tools Limited, Birmingham, England. Indexing means for automatic turning and screwing machines. 1,674,563; June 19.
- Ogilvie, William, Edgecliff, Sydney, New South Wales, Australia. Cover for dental drill handpieces. 1,691,823; Nov. 13.
- Ogilvy, James A., Detroit, Mich. Burner. 1,670,274; May 15.
- Ogle Construction Co. (See Forster, John G., assignor.)
- Oglesby, Nicholas E. (See Bradner, D. B., and Oglesby.)
- Oglesby, Nicholas E., and D. Ehrenfeld, Edgewood, Md., assignors, by mesne assignments, to Federal Laboratories, Inc., Pittsburgh, Pa. Apparatus for dispersing irritants. 1,659,158; Feb. 14.
- Ogletree, William D., Mexia, Tex., assignor of one-fourth to J. A. Fain, Oklahoma City, Okla. Oil-well pump. 1,667,433; Apr. 24.
- Ogsbury, James S., assignor to Dayton Scale Company, Dayton, Ohio. Scale. 1,672,277; June 5.
- Ogush, Benjamin, assignor to Katz & Ogush, Inc., New York, N. Y. Fastening device for wrist watches. 1,689,251; Oct. 30.
- Ohagen, Heinrich, Breslau, Germany. Milling cutter for cutting sharply-pointed angular incisions into wood. 1,685,373; Sept. 25.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Attaching name plates and the like to radiators. 1,669,998; May 15.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Machine for printing or embossing. 1,675,127; June 26.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Machine for printing or embossing. 1,676,836; July 10.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Machine for printing or embossing. 1,682,978; Sept. 4.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Printing machine. 1,688,470; Oct. 23.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Printing machine. 1,696,280; Dec. 25.
- O'Hara, Skidmore, assignor to O'Hara Waltham Company, Waltham, Mass. Printing machine. 1,696,281; Dec. 25.
- O'Hara Waltham Company. (See O'Hara, Skidmore, assignor.)
- O'Hare, James L. (See Higgins, H., Fish, and O'Hare.)
- O'Harra, Berry M. (See Read, C. L., and O'Harra.)
- O'Harra, Berry M., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Desilverizing lead bullion. 1,672,465; June 5.
- O'Harra, Berry M., Westfield, and E. A. Slagle, Trenton, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Manufacturing magnesite brick. 1,686,876; Oct. 9.
- Ohaver, David W., Rockville, Ind. Automobile headlight. 1,675,766; July 3.
- Ohaver, David W., Rockville, Ind. Automobile headlight. 1,680,168; Aug. 7.
- Ohba, Shintaro, Fukuoka, Japan. Tuyère for blast furnaces. 1,673,053; June 12.
- O'Hern, Arthur T. (See O'Hern, Thomas, assignor.)
- O'Hern, Thomas, assignor to A. T. O'Hern, Kew Gardens, N. Y. Nitroglycerin dynamite. 1,690,872; Nov. 6.
- Ohio Brass Company, The. (See Applegate, Robert, assignor.)
- Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
- Ohio Brass Company, The. (See Bovard, William P., assignor.)
- Ohio Brass Company, The. (See Bricker, Orrin W., assignor.)
- Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
- Ohio Brass Company, The. (See Grubb, Adin A., assignor.)
- Ohio Brass Company, The. (See Hollis, Joseph, assignor.)
- Ohio Brass Company, The. (See Larson, Ernst A., assignor.)
- Ohio Brass Company, The. (See Macleod, Donald K., assignor.)
- Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
- Ohio Brass Company, The. (See Pipes, Pliny P., assignor.)
- Ohio Brass Company, The. (See Snyder, Edward B., assignor.)
- Ohio Chemical & Manufacturing Company. (See Axelrod, Meyer L., assignor.)
- Ohio Cultivator Company, The. (See Rollman, Bruce, assignor.)
- Ohio Drilling Company, The. (See Von Gunten, Jacob, assignor.)
- Ohio Foundry and Manufacturing Co., The. (See Miller, Wallace W., assignor.)
- Ohio Foundry and Manufacturing Co., The. (See Sharp, Alexander B., assignor.)
- Ohio Foundry and Manufacturing Co., The. (See Sharp, William L., assignor.)
- Ohio Galvanizing & Manufacturing Company. (See Bentley, Frank E., assignor.)
- Ohio Match Company, The. (See Lahr, Harry I., assignor.)
- Ohio Match Company, The. (See Lahr, H. I., and Swartz, assignors.)
- Ohio Match Company, The. (See Parker, Lucian E., assignor.)
- Ohio Metal Utensil Company, The. (See Kaplan, Louis J., assignor.)
- Ohio Oxygen Company, The. (See Thomas, Claude R., assignor.)
- Ohio Rubber Company, The. (See Bronson, Budd, assignor.)
- Ohio Rubber Company, The. (See Reynolds, William A., assignor.)
- Ohio State Stove Mfg. Co. (See Packer, William H., assignor.)
- Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Ultrahigh-frequency generator. 1,656,987; Jan. 24.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving system. 1,674,696; June 26.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone substation circuits. 1,675,423; July 3.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Equipotential cathode vacuum tube. 1,686,570; Oct. 9.
- Ohl, Russell S., New York, N. Y., assignor to American Telephone and Telegraph Company. Radio signaling system. 1,693,662; Dec. 4.
- Ohland, Fred H., Gibbon, Minn. Apparatus for preparing wells. 1,656,495; Jan. 17.
- Ohlbaum, Karl, & Son Inc. (See Steiner, Erich F., assignor.)
- Ohlenbusch, John M. (See Steiner, Leopold, assignor.)
- Ohlendorf, Emil F., Moline, Ill. Bumper mechanism. 1,669,140; May 8.

- Ohler, Frank L., assignor to The Houghton Elevator and Machine Co., Toledo, Ohio. Elevator-gearing adjustment. 1,694,663; Dec. 11.
- Ohlin, Erik A., and F. O. Carlsson, Hyltebruk, Sweden. Paper-making machinery. 1,695,972; Dec. 18.
- Ohlson, John B., assignor to The Vortex Mfg. Co., Chicago, Ill. Dispensing container. 1,661,441; Mar. 6.
- Ohlson, John B., assignor to The Vortex Mfg. Co., Chicago, Ill. Dispensing container and dispensing articles therefrom. 1,685,292; Sept. 25.
- Ohm, Albert J. D., Oak Park, assignor to R. Williamson & Company, Chicago, Ill. Lighting fixture. Des. 74,572; Feb. 28.
- Ohm, Albert J. D., Oak Park, assignor to R. Williamson & Company, Chicago, Ill. Lighting fixture. Des. 75,865; July 24.
- Ohm, Albert J. D., Oak Park, assignor to R. Williamson & Company, Chicago, Ill. Lighting fixture. Des. 75,866; July 24.
- Ohm, Albert J. D., Oak Park, assignor to R. Williamson & Company, Chicago, Ill. Lighting-fixture shade. Des. 75,867; July 24.
- Ohm, Albert J. D., Oak Park, assignor to R. Williamson & Company, Chicago, Ill. Lighting fixture. Des. 76,493; Oct. 2.
- Ohm, Emil K., deceased, Athens, Ohio; R. J. Studer, administrator. Sorting and binding desk. 1,683,795; Sept. 11.
- Ohmer Fare Register Company. (See Glatzel, John H., assignor.)
- Ohmer Fare Register Company. (See Gluck, Julius, assignor.)
- Ohmer Fare Register Company. (See Ketterman, Charles W., assignor.)
- Ohmer Fare Register Company. (See Maley, Thomas, assignor.)
- Ohmer Fare Register Company. (See Maley, Thomas C., assignor.)
- Ohmer Fare Register Company. (See Ohmer, John F., assignor.)
- Ohmer Fare Register Company. (See Ohmer, J. F., and Ketterman, assignors.)
- Ohmer Fare Register Company. (See Ohmer, J. F., and Wheelbarger, assignors.)
- Ohmer Fare Register Company. (See Orth, W. G., and Darst, assignors.)
- Ohmer Fare Register Company. (See Orth, W. G., and Mills, assignors.)
- Ohmer Fare Register Company. (See Sawyer, Frank, assignor.)
- Ohmer Fare Register Company. (See Traugot, John S., assignor.)
- Ohmer Fare Register Company. (See Wheelbarger, Albert S., assignor.)
- Ohmer, Frederick L., assignor to J. F. Ohmer, Dayton, Ohio. Speed-controlling device for motor vehicles. 1,691,668; Nov. 13.
- Ohmer, John F. (See Ohmer, Frederick L., assignor.)
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio. Holding means for date-setting devices. 1,675,044; June 26.
- Ohmer, John F., and C. W. Ketterman, assignors to Ohmer Fare Register Company, Dayton, Ohio. Fare register. 1,668,024; May 1.
- Ohmer, John F., and A. S. Wheelbarger, assignors to Ohmer Fare Register Company, Dayton, Ohio. Feeding means for printing machines. 1,675,045; June 26.
- Ohno, Wilhelm Seebach, Zurich, Switzerland. Tonguing and grooving apparatus. 1,678,784; July 31.
- Ohnstrand, Enoch, Kenmore, N. Y. Hinged compressor. 1,695,257; Dec. 11.
- Ohrmund, F. H. (See Crane, Samuel G., assignor.)
- Ohse, Walter R. (See Smiley, G. T., and Ohse.)
- Oil City Boiler Works. (See Heagerty, W. H., and Mays, assignors.)
- Oil City Iron Works. (See Clarke, Clement S., assignor.)
- Oil Conservation Engineering Company, The. (See Brooks, Stephen H., assignor.)
- Oil Devices Corporation. (See Breese, James L., jr., assignor.)
- Oil Jack, Inc. (See Pedersen, Thomas W., assignor.)
- Oil Products Appliance Company. (See Davenport, Arthur E., assignor.)
- Oil Products Appliance Co. (See Joncha, Anton, assignor.)
- Oil Well Supply Company. (See Gallman, Charles E., assignor.)
- Oil Well Supply Company. (See Meeker, Charles R., assignor.)
- Oiler, Frank E., Detroit, Mich., assignor to Mantor, Inc., New York, N. Y. Shutter for moving-picture machines. 1,673,120; June 12.
- Oiler, Frank E., Detroit, Mich., assignor to Mantor, Inc., New York, N. Y. Motion-picture-printing mechanism. 1,682,979; Sept. 4.
- Oilgear Company, The. (See Ferris, John P., assignor.)
- Oilgear Company, The. (See Ferris, Walter, assignor.)
- Oishei, John R., Buffalo, N. Y. Windshield cleaner. 1,674,657; June 26.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Adjustable supporter or bracket. 1,654,751; Jan. 3.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Cleaner for windshields and the like. 1,658,389; Feb. 7.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 1,658,390; Feb. 7.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Radiator cap. 1,670,668; May 22.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Operating motor-vehicle accessory motors. 1,694,279; Dec. 4.
- Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 1,695,342; Dec. 18.
- Oishei, John R., Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Motor. 1,670,667; May 22.
- Oishei, John R., and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 1,659,496; Feb. 14.
- Oishei, John R., and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,674,056; June 19.
- Okadee Company, The. (See Vissering, Harry, assignor.)
- O'Keefe, Alexis W., Chicago, Ill. Carton. 1,688,983; Oct. 23.
- O'Keefe, Russell L., assignor to Hale Bros., Inc., San Francisco, Calif. Toweling fabric. Des. 74,621; Mar. 6.
- Okel, Harry A., Pleasanton, W. Va., assignor to The Ferdinand Strauss Corporation, New York, N. Y. Mechanical clown toy. 1,679,262; July 31.
- Okell, Stanley A. W., Cranford, N. J., assignor to Industrial Chemical Company, New York, N. Y. Combined electrode and stirring device. 1,680,630; Aug. 14.
- Okell, Stanley A. W., Tyrone, Pa., and L. Wickenden, Flushing, assignors to Industrial Chemical Company, New York, N. Y. Apparatus for the activation or revivification of carbon. 1,686,100; Oct. 2.
- O'Kelly, David B., Miami Beach, Fla. Automobile signaling device. 1,670,548; May 22.
- Okie, Francis G., Philadelphia, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Composite adhesive and making same. 1,659,611; Feb. 21.
- Okochi, Masatoshi, and K. Ebihara, assignors to Z. H. R. Kenkyujo, Tokyo, Japan. Manufacturing piston rings. 1,666,343; Apr. 17.
- Okochi, Tatsuo. (See Wooyenaka, K., and Okochi.)
- Oksa, Einari. (See Castrén, E., and Oksa.)
- Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,683,480; Sept. 4.
- Olaneta, Harold, Brooklyn, N. Y. Flash light. 1,666,264; Apr. 17.
- Olbright, Heinrich M., Brunn, Czechoslovakia. Condensing apparatus. 1,661,265; Mar. 6.
- Oleh, Jacob B., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cylinder pawl for jacquards. 1,692,949; Nov. 27.
- Old, Clayton W. (See Darby, J., and Old.)
- Old Hickory Furniture Company. (See Patton, William H., assignor.)
- Old World Parfum Company. (See Coffman, Samuel M., assignor.)
- Oldacre, Charles E., Toronto, Ontario, Canada, assignor to The Gurney Heater Manufacturing Company, Incorporated, Boston, Mass. Boiler. 1,671,651; May 29.
- Oldenbusch, Ernest, Brooklyn, N. Y. Perpetual calendar. 1,660,232; Feb. 21.
- Oldenbusch, Ernest, Brooklyn, N. Y. Dispensing device. 1,676,109; July 3.
- Oldfield, Barney, Manufacturing Company. (See Brown, Ray W., assignor.)
- Oldfield, Guy G., Pullman, Wash. Toy construction outfit. 1,678,602; July 24.
- Oldfield, Lee, and C. R. Rowison, Chicago, Ill. Vehicle control. 1,671,375; May 29.
- Oldham, Fred C. (See Tucker, J. D., and Oldham.)
- Olds, Richard, Walkersville, Australia. Machine for fleshing furred skins. 1,664,991; Apr. 3.
- Oldson, John A., assignor to Wyman-Gordan Company, Worcester, Mass. Six-throw four-bearing balanced crank shaft. 1,661,341; Mar. 6.
- Olean Sales Corporation. (See Coahran, Jesse M., assignor.)
- O'Leary, C. M. (See Green, Henry, M., assignor.)
- O'Leary, Margaret K., Fordham, N. Y. Dispensing closure for containers. 1,676,348; July 10.
- Olesen, Harold L. (See Engle, E. W., and Olesen.)
- Olevich, Nicholas M., St. Clair, Pa. Safety electric fuse igniter. 1,658,610; Feb. 7.
- Olgay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Co., Chicago, Ill. Machine for manufacturing book covers and the like. 1,679,871; Aug. 7.
- Olin, John M., V. L. Davis, and J. B. Smith, Alton, assignors to Western Cartridge Company, East Alton, Ill. 1,687,685; Oct. 16.
- Oling, John J. (See Craig, F. R., and Oling.)
- Olinger, David W., Milton, Oreg. Pick-up drum. Method and machine for making detonator connections. 1,673,584; June 12.
- Olinger, Thomas, assignor to Federal Manufacturing Company, Holland, Mich. Damper. 1,665,716; Apr. 10.
- Olinger, Thomas, assignor to Federal Manufacturing Company, Holland, Mich. Flue draft door. 1,669,533; May 15.

- Olinger, Thomas, assignor to Federal Manufacturing Company, Holland, Mich. Furnace register. 1,684,512; Sept. 18.
- Olinger, Thomas, assignor to Federal Manufacturing Company, Holland, Mich. Furnace-flue cleaner. 1,686,249; Oct. 2.
- Oliver, Castagnola, Brooklyn, N. Y. Orthopedic last-fitting apparatus. 1,682,579; Aug. 28.
- Oliver Chilled Plow Works. (See Altgelt, Herman E., assignor.)
- Oliver Chilled Plow Works. (See Altgelt, Rudolph J., assignor.)
- Oliver Chilled Plow Works. (See Altgelt, R. J., and Gemberlug, assignors.)
- Oliver Chilled Plow Works. (See Dewend, William D., assignor.)
- Oliver Chilled Plow Works. (See Gallagher, Arthur D., assignor.)
- Oliver Continuous Filter Company. (See Backus, George S., assignor.)
- Oliver Continuous Filter Company. (See Borden, John F., assignor.)
- Oliver Continuous Filter Company. (See Oliver, Edwin L., assignor.)
- Oliver, Edd C., Adrian, Mich. Twist-drill grinder. 1,679,872; Aug. 7.
- Oliver, Edwin L. (See Sherwood, C. F., and Oliver.)
- Oliver, Edwin L., Oakland, assignor to Oliver Continuous Filter Company, San Francisco, Calif. Rotary filter. 1,659,699; Feb. 21.
- Oliver Electric and Manufacturing Company. (See Amos, John A., assignor.)
- Oliver, Ernon V., Portland, Oreg. Boiler for stills. 1,677,795; July 17.
- Oliver, Ernon V., Pasadena, Calif. Water still. 1,686,418; Oct. 2.
- Oliver, Georges, assignor to Societe Anonyme le Petrole Synthetique, Asnieres, France. Treating methane gas. 1,677,363; July 17.
- Oliver, John G. (See Hornberger, Earl J., assignor.)
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Welt-sewing machine. 1,667,046; Apr. 24.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine. 1,688,938; Oct. 23.
- Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Press for cutting or punching sheet material. 1,693,726; Dec. 4.
- Oliver, Joseph F. (See Wakefield, C. E., Fleming, and Oliver.)
- Oliver Machinery Company. (See Humphreys, Hugh, assignor.)
- Oliver, Norman E., assignor to Hermetite Corporation, New York, N. Y. Coating of pervious material. 1,690,426; Nov. 6.
- Oliver, Norman E., assignor to Hermetite Corporation, New York, N. Y. Coating of pervious material. 1,690,427; Nov. 6.
- Oliver, Reuben S., Westfield, N. J. Fabric roll. 1,668,084; May 1.
- Oliver, Robert, New York, N. Y. Stencil-feeding mechanism. 1,669,015; May 8.
- Oliver-Sherwood Co. (See Sherwood, C. F., and Oliver, assignors.)
- Oliveri, Vincenzo. (See Hirtz, I., and Oliveri.)
- Olivetti, Ing. C. & C. (See Modigliano, Gino, assignor.)
- Olley, Raymond H. (See Pearson, J. T., and Olley.)
- Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Unitary conduit and switch support for gasoline-serving stations. 1,684,777; Sept. 18.
- Olm, Oscar J., Minneapolis, assignor to Northwestern Paper Goods Company, St. Louis, Minn. Envelope. 1,684,105; Sept. 11.
- Olmazu, Nicholas, New York, N. Y. Pocket clothesbrush. 1,696,727; Dec. 25.
- Olmstead Corporation. (See Olmstead, Otto B., assignor.)
- Olmstead, Henry H., Wharton, N. J. Casting explosives. 1,670,689; May 22.
- Olmstead, Otto B., assignor to Olmstead Corporation, Springfield, Mass. Undergarment. 1,673,881; June 19.
- Olmsted, Chancy S. (See Weickman, A., and Olmsted.)
- Olmsted, Roger W. (See Browne, W. G., and Olmsted.)
- Olmsted, Russell C., Hudson Heights, N. J. Reinforcement for concrete structures. 1,684,195; Sept. 11.
- Olney, George W., Lincoln, R. I. Washing machine. 1,660,808; Feb. 28.
- Olpin, Henry C. (See Ellis, G. H., Olpin, and Miller.)
- Olpin, Henry C., Spoudon, near Derby, England, assignor to Celanese Corporation of America. Dyeing of materials made with or containing cellulose derivatives. 1,688,553; Oct. 23.
- Olsen, Anton J., Sollsted, Lolland, Denmark. Portable weeding device. 1,687,948; Oct. 16.
- Olsen, Arne R., North Chelmsford, assignor to E. F. Dodge Paper Box Co., Leominster, Mass. Receptacle for toilet paper. 1,674,697; June 26.
- Olsen, Carl A., assignor, by mesne assignments, to A. T. Oil Burner Co., Lynn, Mass. Combined mixing and combustion chamber for liquid-fuel-burning apparatus. 1,681,778; Aug. 21.
- Olsen, Christian M., assignor to The B. F. Nelson Manufacturing Company, Minneapolis, Minn. Machine for making prepared roofing. 1,669,599; May 15.
- Olsen, Corrine, et al. (See Olsen, Emil J., assignor.)
- Olsen, Edward P., Marinette, Wis. Seat construction for sanitary toilets. 1,668,729; May 8.
- Olsen, Einar J., Minneapolis, assignor of one-half to Sealy Mattress Company of Minnesota, St. Paul, Minn. Method and apparatus for cleaning and separating hair. 1,678,525; July 24.
- Olsen, Emelia, et al. (See Olsen, Emil J., assignor.)
- Olsen, Emil J., assignor of twenty-five per cent to W. Olsen, twenty-five per cent to E. Olsen, twenty-five per cent to C. Olsen, and twenty-five per cent to V. Olsen, North St. Paul, Minn. Inflation device. 1,682,625; Aug. 28.
- Olsen Engine Syndicate Limited, The. (See Olsen Simon D., assignor.)
- Olsen, George F., Los Angeles, Calif., assignor to General Petroleum Corporation of California. Neutralizing treatment of acid oils for lubricant stocks. 1,665,110; Apr. 3.
- Olsen, George F., assignor to General Petroleum Corporation of California, Los Angeles, Calif. Treatment of lubricant stocks. 1,665,111; Apr. 3.
- Olsen, Hans, Alslov, near Karise, Denmark. Soil-working implement. 1,684,594; Sept. 18.
- Olsen, Henry, Minneapolis, Minn. Signal-post structure. 1,679,623; Aug. 7.
- Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speedometer dial. Des. 76,149; Aug. 21.
- Olsen, Julius C., Racine, assignor to Western Metal Specialty Co., Milwaukee, Wis. Making pipe elbows. 1,678,744; July 31.
- Olsen, Konrad, Tacoma, Wash. Electric hammer. 1,695,780; Dec. 18.
- Olsen, Norman D., assignor to Acme Aluminum Foundry Company, Chicago, Ill. Securing means for detachable handles. 1,686,497; Oct. 2.
- Olsen, Ole, Seattle, Wash. Nail set. 1,688,130; Oct. 16.
- Olsen, Paul J., Oakland, Calif. Combination lamp and loud speaker. Des. 75,283; May 22.
- Olsen, Robert E., Forest Hills, N. Y. Photographic button. 1,665,605; Apr. 10.
- Olsen, Simon D., assignor to The Olsen Engine Syndicate Limited, London, England. Two-stroke internal-combustion engine. 1,664,086; Mar. 27.
- Olsen, Simon D., assignor to The Olsen Engine Syndicate Limited, London, England. Introducing oil or liquid-fuel charges into internal-combustion engines. 1,677,202; July 17.
- Olsen, Simon D., assignor to The Olsen Engine Syndicate Limited, London, England. Injecting liquid fuel into internal-combustion engines. 1,687,176; Oct. 9.
- Olsen, Thomas, Toronto, Ontario, and J. W. May, Winnipeg, Manitoba, assignor to Harris Abattoir Company, Limited, Toronto, Ontario, Canada. Hog singer. 1,667,946; May 1.
- Olsen, Vernon, et al. (See Olsen, Emil J., assignor.)
- Olsen, Waldo, et al. (See Olsen, Emil J., assignor.)
- Olsen, Walter, and S. Rasmussen, assignors to American Gas Machine Company, Albert Lea, Minn. Gas burner for stoves. 1,677,289; July 17.
- Olson, Albert S. N., St. Louis, Mo. Printing press. 1,691,299; Nov. 13.
- Olson, Anders, Galesburg, Ill. Fly swatter. 1,677,046; July 10.
- Olson, Anders, assignor of one-half to S. Hanson, Galesburg, Ill. Conveyer for corn harvesters. 1,676,916; July 10.
- Olson, Andrew, Cleveland, and L. R. Tufts, East Cleveland, assignors to The Cleveland Folding Machine Company, Cleveland, Ohio. Folding machine. 1,684,803; Sept. 18.
- Olson, Axel, and W. R. McDermott, Denver, Colo. Automobile awning. 1,679,443; Aug. 7.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Hob grinder. 1,667,488; Apr. 24.
- Olson, Carl G., assignor to Shakeproof Lock Washer Company, Incorporated, Division of Illinois Tool Works, Chicago, Ill. Lock washer. 1,667,865; May 1.
- Olson, Carl G., assignor to Shakeproof Lock Washer Company, Incorporated, Division of Illinois Tool Works, Chicago, Ill. Lock washer. 1,668,025; May 1.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Abrasive hellicoid. 1,670,479; May 22.
- Olson, Carl P., Battle Lake, Minn. Doorcheck. 1,693,860; Dec. 4.
- Olson, Carl W., Minneapolis, Minn. Rotary clear-vision shield. 1,658,172; Feb. 7.
- Olson, Carl W., assignor to American Safety Equipment Corporation, Minneapolis, Minn. Rotatable window. 1,682,236; Aug. 28.
- Olson, Clarence T., Chicago, Ill. Bearing construction. 1,654,596; Jan. 3.
- Olson, Edwin N., and P. E. Solberg, Sharon, N. Dak. Windmill. 1,661,847; Mar. 6.
- Olson, Gottfrid. (See Steiner, F. M., and Olson.)
- Olson, Jens, Lewiston, Idaho. Wheel tightener. 1,666,829; Apr. 17.
- Olson, John A., assignor to The S-P Manufacturing Company, Cleveland, Ohio. Piston and packing. Re17,042; July 17.
- Olson Manufacturing Company. (See Hanson, Haakon P., assignor.)
- Olson, Nels. (See Harkins, T., and Olson.)

- Olson, Nels, Superior, Wis. Heater and draft-governing means therefor. 1,684,844; Sept. 18.
- Olson, Nels L., Highland Park, Mich., assignor to Swedish Crucible Steel Company. Vehicle wheel. 1,665,471; Apr. 10.
- Olson, Ole A., Wallace, Mich. Plow attachment. 1,667,866; May 1.
- Olson, Oscar O., Chicago, Ill. Scalp comb. 1,686,981; Oct. 9.
- Olson, Otto E., and L. Cooper, Douglas, Ariz. Repairing means for furnace arches. 1,677,002; July 10.
- Olson, Percy W., St. Paul, Minn., assignor to W. S. Ferris, Elkhart, Ind., trading as The Domore Chair Company. Adjustable back rest for chairs. 1,684,106; Sept. 11.
- Olson, Reuben S., Greybull, Wyo. Variable-speed transmission. 1,674,698; June 26.
- Olson, Robert C., Zion, Ill. Bung. 1,689,403; Oct. 30.
- Olson, Robert W., Beloit, Wis. Micrometer attachment. 1,668,248; May 1.
- Olson, Robert W., Amboy, assignor of one-half to W. M. Bollenbach, Lambertson, Minn. Stalk-lifting attachment for tractors. 1,689,046; Oct. 23.
- Olson, Robert W., assignor of one-half to M. W. Keith, Amboy, Minn. Scraper. 1,689,747; Oct. 30.
- Olson, Victor L., Leigh, Nebr. Vacuum cleaner. 1,691,988; Nov. 20.
- Olson, Walter A., Twin Valley, Minn. Motor-driven sleigh. 1,694,829; Dec. 11.
- Olson, Walter E., Chicago, Ill. Tension device for winding machines. 1,682,796; Sept. 4.
- Olsson, Ellis, West Point, Va. Charging apparatus for pulp digesters. 1,694,139; Dec. 4.
- Olsson, Harry A., Chicago, Ill. Adjustable corner bar for plate-glass windows. 1,695,973; Dec. 18.
- Olsson, Nils G., Aurora, Ill. Roofing plate or shingle. 1,676,043; July 3.
- Olsson, Nils J., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Forming or working spherical surfaces, concave or convex. 1,689,928; Oct. 30.
- Olt, Henry, New York, N. Y. Receptacle closure. 1,676,044; July 3.
- Oltersdorf, Frederick W., Detroit, Mich. Rotary swing. 1,663,278; Mar. 20.
- Oltman, John W., Chicago, Ill., assignor to The Barrett Company. Heat-exchange cylinder. 1,672,036; June 5.
- Oltisch, George J., et al. (See Smith, Gerard C., assignor.)
- Olund, Nels A., Cambridge, Minn. Automobile heater. 1,684,967; Sept. 18.
- Olvis, James E., Los Angeles, Calif. Coin detector. 1,658,299; Feb. 7.
- O'Malley, Anthony, Flushing, N. Y. Musical instrument. 1,657,026; Jan. 24.
- O'Malley-Beare Valve Corporation. (See Appleton, Joseph H., assignor.)
- O'Malley, Edward and E. W., Chicago, Ill. Heater for engines. 1,655,434; Jan. 10.
- O'Malley, Edward W. (See O'Malley, Edward and E. W.)
- O'Malley, Matthew V. (See Paulson, Charles J., assignor.)
- O'Malley, Michael J., Chicago, Ill. Paper-drying machine. 1,669,774; May 15.
- Oman, Carl, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,669,572; May 15.
- O'Meara, Denis H., Detroit, Mich. Combined spring tire carrier and vehicle bumper. 1,672,335; June 5.
- O'Meara, Denis H., Detroit, Mich., assignor to American Optical Company, Southbridge, Mass. Magnifier. 1,668,283; May 1.
- Omsk, Abraham, Brooklyn, N. Y. Spool-holding guard. 1,675,193; June 26.
- O'Mullen, Charles F. (See Munro, Thomas, assignor.)
- Oneal, Lloyd E., East Orange, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Annunciator system. 1,675,989; July 3.
- Oneal, Lloyd E., East Orange, N. J., and S. N. Mead, jr., Brooklyn, assignors to Chas. Cory & Son, Incorporated, New York, N. Y. Signaling system and mechanism. 1,693,663; Dec. 4.
- O'Neal, Nathaniel P., Hope, Ark. Masonry-jointing tool. 1,664,701; Apr. 3.
- Oneida Community Limited. (See Allen, Grosvenor N., assignor.)
- Oneida Community, Limited. (See Maxon, Samuel L., assignor.)
- Oneida Community, Limited. (See Purchas, Frederick A., assignor.)
- O'Neill, Edwin H., Brooklyn, N. Y., assignor of one-half to C. E. Hill, New York, N. Y. Deodorant and making same. 1,669,016; May 8.
- O'Neill, George D., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electron-discharge device. 1,663,561; Mar. 27.
- O'Neill, Henry J., Tampico, Ill. Disk-harrow attachment. 1,664,430; Apr. 3.
- O'Neill, James A., Lynn, Mass., assignor to General Electric Company. Suppressing harmonics. 1,687,585; Oct. 16.
- O'Neill, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Packaging device for metal sheets. 1,690,873; Nov. 6.
- O'Neil, Matthew G., Dallas, Tex., assignor, by mesne assignments, to Standard Vending Corporation, Wilmington, Del. Vending machine. 1,669,775; May 15.
- O'Neil, Matthew G., Dallas, Tex., assignor, by mesne assignments, to Standard Vending Corporation, Wilmington, Del. Vending machine. 1,684,409; Sept. 18.
- O'Neil, Minnie B., Pittsburg, Pa. Clothes-hanger support. 1,687,333; Oct. 9.
- O'Neill, Augustine G., and C. M. Jones, Tulsa, Okla. Liquid container. 1,690,035; Oct. 30.
- O'Neill, Edward J., assignor to E. J. Knapp, Syracuse, N. Y. Candle lamp. 1,671,652; May 29.
- O'Neill, Frank, Toledo, Ohio. Bottle machine. 1,658,735; Feb. 7.
- O'Neill, Frank, Toledo, Ohio. Jar lid. 1,691,403; Nov. 13.
- O'Neill, George D., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Activation of filaments. 1,695,819; Dec. 18.
- O'Neill, Gonzalo, et al. (See Bennett, James C., assignor.)
- O'Neill, Henry W., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,687,883; Oct. 16.
- O'Neill, Henry W., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,690,241; Nov. 6.
- O'Neill, Henry W., Brooklyn, assignor to Western Electric Company, Inc., New York, N. Y. Navigation-directing system. 1,689,292; Oct. 30.
- O'Neill, John H., Springfield, Mo. Air spring with non-elastic fluid shock absorber. 1,685,077; Sept. 18.
- O'Neill, Phillip M., Fort Ethan Allen, Vt. Swivel connection. 1,661,495; Mar. 6.
- O'Neill, Walter I., New York, N. Y. Wrench. 1,694,140; Dec. 4.
- Onen, Dennis H., Dowagiac, Mich. Book end. Des. 75,639; June 26.
- Onsgman, Ward S., Oakland, Calif. Display cabinet. 1,660,088; Feb. 21.
- Onnertz, Paul, Berlin-Wilmersdorf, and B. Schwärzel, Berlin, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Protecting animal fiber. 1,692,950; Nov. 27.
- Onondaga Steel Company. (See Briggs, Arthur J., assignor.)
- Onsrud Machine Works, Inc. (See Onsrud, Oscar, assignor.)
- Onsrud, Oscar, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Woodworking machine. 1,685,572; Sept. 25.
- Onsrud, Oscar, assignor to Onsrud Machine Works, Chicago, Ill. Woodworking machine. 1,685,613; Sept. 25.
- Onsrud, Oscar, assignor to L. L. Valentine, Chicago, Ill. Cotton-harvesting machine. 1,688,312; Oct. 16.
- Onthank, Charles F., Newton, Mass. Oval jar. Des. 74,894; Apr. 10.
- Oosterhuis, Ekko. (See Holst, G., Oosterhuis, and Bruijnes.)
- Oosterink, Jan W., and F. J. Rowland, Saskatoon, Saskatchewan, Canada. Shock-forming attachment for harvester. 1,658,687; Feb. 7.
- Opatchan, Joseph, Fairbanks, Pa. Railroad-rail fastener. 1,654,699; Jan. 3.
- Opelt, Joseph J., Guttenberg, N. J. Piano case. 1,682,767; Sept. 4.
- Open Hearth Combustion Company. (See Atkinson, James S., assignor.)
- Open Hearth Combustion Company. (See Dauforth, George L., jr., assignor.)
- Open Hearth Combustion Company. (See McKune, Frank B., assignor.)
- Operadio Corporation, The. (See Shotwell, Harold H., assignor.)
- Opitz, Bernhard, Portland, Oreg. Automatic volumetric measuring device. 1,695,501; Dec. 18.
- Opitz, Bernhard O. (See Myers, W. R., and Opitz.)
- Opitz, John L., Clarinda, Iowa. Detachable steering mechanism for tractors. 1,686,170; Oct. 2.
- Opitz, John L., Clarinda, Iowa. Steering mechanism for tractors. 1,690,548; Nov. 6.
- Opitz, William H., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Visible liquid-measuring device. 1,669,422; May 15.
- Oppé, Alfred, Aschen, Germany. Making alkali-metal hypochlorites. 1,689,748; Oct. 30.
- Oppe, Charles. (See Gargiulo, F. Edwards, and Oppe.)
- Oppenheim, David, et al. (See Brady, Francis E., jr., assignor.)
- Oppenheim, Ferdinand S., New York, N. Y. Container. 1,655,071; Jan. 3.
- Oppenheim, Ferdinand S., New York, N. Y. Container. 1,677,565; July 17.
- Oppenheim, Ferdinand S., New York, N. Y. Container. 1,682,410; Aug. 28.
- Oppenheim, Ferdinand S., New York, N. Y. Container. 1,682,411; Aug. 28.
- Oppenheim, Ferdinand S., New York, N. Y. Container. 1,691,736; Nov. 13.
- Oppenheim, Jesse, New York, N. Y. Hair piece. 1,686,636; Oct. 9.
- Oppenheim, Julius H., assignor to Texas-Louisiana Patents Company, Dallas, Tex. Container binder. 1,669,625; May 15.

- Oppenheim, Mose, Pueblo, Colo. Commode. 1,690,793; Nov. 6.
- Oppenheim, René, assignor to Société Anonyme le Carbone, Levallois-Perrett, France. Lead accumulator. 1,667,435; Apr. 24.
- Oppenheim, René, assignor to Société Anonyme le Carbone, Levallois-Perrett, France. Rendering gas-absorbent bodies air-tight in liquids. 1,678,405; July 24.
- Oppenheim, René, assignor to Société Anonyme le Carbone, Levallois-Perrett, France. Battery electric accumulator, and electrolyzing apparatus. 1,687,307; Oct. 9.
- Oppenheim, Roy A., et al. (See Brady, Francis E., jr., assignor.)
- Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Gear case. 1,673,299; June 12.
- Oppenheimer, Charles H., Cleveland, Ohio. Fixture support. 1,658,570; Feb. 7.
- Oppenheimer, Herbert, New York, N. Y. Oil distributor. 1,689,680; Oct. 30.
- Opperman, August H., Indianapolis, Ind. Electrical hair curler. 1,665,472; Apr. 10.
- Optical Industries Corporation. (See Adams, Charles A., assignor.)
- Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Weidert, Franz, assignor.)
- Orange-Crush Company. (See Benge, Joseph B., assignor.)
- Orange Crush Company. (See Howel, Clayton, J., assignor.)
- Orange, Fred, Ottawa, Ontario, Canada. Stair rug. 1,690,991; Nov. 6.
- Orange Lighting Fixture Manufacturing Co. (See Seidell, Alfred P., assignor.)
- Orban, Paul. (See Jeney, M., and Orban.)
- Orbon Stove Co. (See Herrenbruck, Herman, assignor.)
- Orbon Stove Co. (See Lehman, Max R., assignor.)
- Ordmann, Max D. (See Pandolfo, Joseph, assignor.)
- Ordway, Benjamin F., Pasadena, Calif. Automatic cut-off plug for electric irons. 1,669,626; May 15.
- Ordway, Donald P. (See Sherman, H. B., and Ordway.)
- Oreck, James. (See Sweetnam, G. E., and Oreck.)
- Orelup, John W., East Orange, and O. I. Lee, Jersey City, N. J., assignors, by mesne assignments, to Boyce-Itte Products, Incorporated, Cincinnati, Ohio. Fuel and fuel ingredients. 1,692,784; Nov. 20.
- Orem, William H. (See Genese, David, assignor.)
- Orendorff, Ulysses G. (See Turnquist, Carl E., assignor.)
- Org, Hans L., New York, N. Y. Carpenter's plane. 1,696,552; Dec. 25.
- Origone, Louis, Marseille, France. Fabric made of scrap felt or other plant material. 1,679,738; Aug. 7.
- Orkla Grube-Aktiebolag. (See Lenander, Nils E., assignor.)
- Orland, Louis, Los Angeles, Calif. Photographic camera. 1,657,894; Jan. 31.
- Orlando, Joseph F., assignor of one-half to R. Glorioso, Washington, D. C. Indicating fuse plug. 1,687,037; Oct. 9.
- Orloff, Arthur. (See Burke, P., and Orloff.)
- Orman, Edward, Kingston, Pa. Spoon holder. 1,673,703; June 12.
- Orme, Wilbur L., Cambridge, Ohio. Shaving-compact receptacle. Des. 75,445; June 5.
- Ormond, Clyde, Ririe, Idaho. Dispensing means for shaving brushes. 1,671,122; May 29.
- Ormont, Bernard, Associates, Inc. (See Ormont, Bernard, assignor.)
- Ormont, Bernard, assignor to Bernard Ormont Associates, Inc., New York, N. Y. Process of and apparatus for producing gasoline and other light hydrocarbons from heavier hydrocarbons. 1,691,300; Nov. 13.
- Ormsbee, Willard A., Taunton, Mass. Cuff button. Des. 74,696; Mar. 13.
- Ormsbee, Willard A., Taunton, Mass. Tie holder. Des. 74,697; Mar. 13.
- Ormsbee, Willard A., Taunton, Mass. Belt buckle. Des. 75,640; June 26.
- Ormsbee, Willard A., Taunton, Mass. Belt clasp. Des. 75,694; July 3.
- Ormsbee, Willard A., Taunton, Mass. Button. Des. 76,256; Sept. 4.
- Ormsbee, Willard A., Taunton, Mass. Tie clip. Des. 76,412; Sept. 25.
- Ormsby, Donald D., Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich. Differential. 1,658,571; Feb. 7.
- Ornberg, Ivan, assignor to Hupp Motor Car Corporation, Detroit, Mich. Finish member. 1,669,670; May 15.
- Orndoff, Herbert W., assignor to The E. V. Benjamin Company, Inc., New Orleans, La. Delivery apparatus. 1,688,397; Oct. 23.
- Orndorff, William R., Ithaca, assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper. 1,662,509; Mar. 13.
- Ornes, Jessie S., and L. V. Lavell, Minneapolis, Minn. Mount clamp. Des. 76,632; Oct. 16.
- Ornsby, L. D. (See Lievre, Joseph B., assignor.)
- Ornstein, Leon. (See Flohr, H. C., and Ornstein.)
- Oro-Tone Company, The. (See Grass, Otto R., assignor.)
- Oro-Tone Company. (See Hunt, Leigh, assignor.)
- O'Rourke, Daniel J., Chicago, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,679,126; July 31.
- O'Rourke, Marie J., Hanford, Calif. Golf-ball retrieving device. 1,674,294; June 19.
- Orozco, William, Chicago, Ill. Automatic whistler. 1,656,224; Jan. 17.
- Orr, Angus N., and S. H. Goldberg, Chicago, Ill. Multi-phase equipment protection. 1,692,138; Nov. 20.
- Orr, Clarence H., Providence, R. I. Sign plate. Des. 74,895; Apr. 10.
- Orr, Clark, Fort Wayne, Ind., assignor to General Electric Company. Refrigerating machine. 1,669,141; May 8.
- Orr, Claude L. (See Larsen, J. C., and Orr.)
- Orr, Francis L., Denver, Colo. Variable-speed transmission. 1,667,166; Apr. 24.
- Orr, Robert P., Schenectady, N. Y. Chimney cap. 1,664,315; Mar. 27.
- Orr, Thomas H., Okmulgee, Okla. Babbitting machine. 1,690,992; Nov. 6.
- Orr, William V., Cleveland, Ohio. Suction cleaner. 1,655,875; Jan. 10.
- Orr, William V., Cleveland, Ohio. Suction cleaning device. 1,692,137; Nov. 20.
- Orrock, John W., Montreal, Quebec, Canada, assignor of one-half to J. M. R. Fairbairn, Westmount, Quebec, Canada. Ventilating sectional smoke jack. Re16,958; May 8.
- Orsett, Coy, Boston, Mass. Combined automobile body and hood. Des. 74,943; Apr. 17.
- Orszag, Ladislav, and P. Curcuruto, Bronx, N. Y. Tire. 1,696,051; Dec. 18.
- Orth, William G., and G. H. Darst, assignors to Ohmer Fare Register Company, Dayton, Ohio. Indicator for taximeters. 1,667,901; May 1.
- Orth, William G., and G. H. Darst, assignors to Ohmer Fare Register Company, Dayton, Ohio. Indicating device for automobiles and the like. 1,675,046; June 26.
- Orth, William G., and J. B. Mills, assignors to Ohmer Fare Register Company, Dayton, Ohio. Driving means for taximeters. 1,675,047; June 26.
- Orth, William H., Philadelphia, Pa. Sliding clothespin bag. 1,667,389; Apr. 24.
- Ortiz, Angel F., Buenos Aires, Argentina. Milk cooling and filtering apparatus. 1,692,760; Nov. 20.
- Ortlieb, Frederick, Catasauqua, Pa. Scissors sharpener. 1,660,206; Feb. 21.
- Ortmeier, Ernst C., Chattanooga, Tenn. Bed. 1,658,736; Feb. 7.
- Ortmeier, Ernst C., Chattanooga, Tenn. Bed construction. 1,658,737; Feb. 7.
- Orton Crane & Shovel Co. (See Orton, Philo A., assignor.)
- Orton, Merritt K. (See Lotterman, W., Lester, and Orton.)
- Orton, Philo A., Chicago, Ill., assignor to Orton Crane & Shovel Co., Huntington, Ind. Friction-clutch transmission. 1,688,129; Oct. 16.
- Ortt, Elwood K. (See Ortt, Rowley K. and E. K.)
- Ortt, Rowley K. and E. K., assignors to The Clipper Manufacturing Company, Dixon, Ill. Differential mechanism. 1,677,682; July 17.
- Ory, Gaston. (See Woudhuysen, J., and Ory.)
- Orzel, Paul, New York, N. Y. Plate-cutting apparatus. 1,668,085; May 1.
- Orzel, Paul, New York, N. Y. Apparatus for cutting and riveting. 1,668,086; May 1.
- Osann, Frederick, Company. (See Lyons, Robert L., assignor.)
- Osann, Frederick Company. (See Morris, Harold W., assignor.)
- Osann, Frederick, Company. (See Plumley, Raymond L., assignor.)
- Osbeck, Elmer C., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch for refrigerator doors and the like. 1,679,873; Aug. 7.
- Osberg, Carl E. B., assignor to Rollins Hosiery Mills, Des Moines, Iowa. Needle for repairing runs in knitted goods. 1,692,220; Nov. 20.
- Osborn, Arthur E., Marion, Ind. Paper portfolio. 1,663,171; Mar. 20.
- Osborn, F. E., et al. (See Weston, Charles W., assignor.)
- Osborn, Glenn M., Salt Lake City, Utah. Milk-can cooler. 1,664,702; Apr. 3.
- Osborn, Glenn M., Salt Lake City, Utah. Cooling bag. 1,668,598; May 8.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Printing machine. 1,658,139; Feb. 7.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Printing machine. 1,658,140; Feb. 7.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Power drive mechanism. 1,668,866; May 8.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Power drive mechanism. 1,668,867; May 8.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Folding machine. 1,682,237; Aug. 28.
- Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Printing machine having a changeable form. 1,691,301; Nov. 13.
- Osborn, Jesse C., assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill. Connection for timing devices for automobiles. 1,666,665; Apr. 17.

- Osborn, Milton, Wayne City, Ill. Stovepipe attachment. 1,661,674; Mar. 6.
- Osborn, Robert T., Richmond, assignor, by mesne assignments to Standard Oil Company of California, San Francisco, Calif. Recovery of vapors. 1,685,501; Sept. 25.
- Osborne Credit Machine Company, The. (See Osborne, Wiley W., assignor.)
- Osborne, Frank, et al. (See Coupland, Ernst, assignor.)
- Osborne, Harold H., assignor to American Magnesium Corporation. Niagara Falls, N. Y. Protecting molten magnesium. 1,657,693; Jan. 31.
- Osborne, Jesse A., Akron, Ohio. Water silencer. 1,661,704; Mar. 6.
- Osborne, John, Pueblo, Colo. Chalk-line chalk holder. 1,667,902; May 1.
- Osborne John C., Berlin, Germany, assignor to The American Multigraph Company, Cleveland, Ohio. Changeable printing device. 1,665,717; Apr. 10.
- Osborne, John L. (See Buchanan, G. H., and Osborne.)
- Osborne, John W., Alsey, and C. C. Freitag, Winchester, Ill. Wire stretcher. 1,686,762; Oct. 9.
- Osborne Process, Inc. (See Osborne, William L., assignor.)
- Osborne, Raymond S., Wyoming, Ohio. Riveter. 1,660,720; Feb. 28.
- Osborne, Raymond S., Cincinnati, Ohio. Riveting apparatus. 1,661,194; Mar. 6.
- Osborne, Robert L., assignor to Dongan Electric Manufacturing Company, Detroit, Mich. Transformer. 1,689,929; Oct. 30.
- Osborne, Wiley W., assignor to The Osborne Credit Machine Company, Cincinnati, Ohio. Issuing and recording trade check credit machine. 1,690,874; Nov. 6.
- Osborne, Wiley W., assignor to The Osborne Credit Machine Company, Cincinnati, Ohio. Trade-check credit machine. 1,690,875; Nov. 6.
- Osborne, Willard B. (See Gould, W. S., and Osborne.)
- Osborne, William L., assignor to Osborne Process, Inc., Los Angeles, Calif. Cleaning lubricant cases of engines. 1,696,100; Dec. 18.
- Osbourne, Alfred S., Ingram, Pa., assignor, by mesne assignments, to Chicago, Lubricator Company, Chicago, Ill. Compressor lubricator. 1,655,772; Jan. 10.
- Osbourne, Thomas D., et al. (See Weeks, Charles S., assignor.)
- Osbrink, Raymond H. (See Cochran, William F., assignor.)
- Osburn, Robert A., assignor of one-third to J. F. Williams, Birmingham, Ala. Antiglare lens for automobile headlights. 1,667,489; Apr. 24.
- Osburn, Sylvester V., Kansas City, Kans., assignor of one-half to W. J. Wilson. Sampling device for tank cars. 1,669,776; May 15.
- Oscanyan, Paul C., Begota, N. J. Camera focusing device. 1,662,125; Mar. 13.
- Oscher, Nathan A., Brooklyn, N. Y. Stress breaker. 1,665,975; Apr. 10.
- Osean, Charles, Woodcliff, N. J., assignor to National Carbon Company, Inc. Flash light. 1,680,169; Aug. 7.
- Osean, Charles, Woodcliff, N. J., assignor to National Carbon Company, Inc. Flash light. 1,680,800; Aug. 14.
- Osean, Charles, Woodcliff, N. J., assignor to National Carbon Company, Inc. Flash light. 1,691,989; Nov. 20.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 1,661,629; Mar. 6.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,662,792; Mar. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,796; Mar. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,797; Mar. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,798; Mar. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,662,799; Mar. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,664,337; Mar. 27.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,664,338; Mar. 27.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,667,167; Apr. 24.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Valve mechanism. 1,682,908; Sept. 4.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,684,375; Sept. 11.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,689,596; Oct. 30.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Furnace. 1,690,428; Nov. 6.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Feeding mechanism. 1,690,429; Nov. 6.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Feeding mechanism. 1,691,138; July 31.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,691,405; Nov. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,691,406; Nov. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 1,691,407; Nov. 13.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-unloading mechanism. 1,692,262; Nov. 20.
- Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor. 1,692,269; Nov. 20.
- Osgood, Edward C., Aberdeen, Md. Device for cleaning wells. 1,672,654; June 5.
- Osgood, John L., Buffalo, N. Y. Tool handle. 1,694,559; Dec. 11.
- Osgood, Louis A., Hartford, Conn., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,660,681; Feb. 28.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 1,660,761; Feb. 28.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hauling mechanism. 1,665,068; Apr. 3.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Hoist. 1,668,284; May 1.
- Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Loading and unloading mechanism. 1,688,828; Oct. 23.
- Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Taping machine. 1,661,383; Mar. 6.
- Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Seam-pressing machine. 1,691,493; Nov. 13.
- O'Shea, Daniel L. (See Lillicrapp, W. J., O'Shea, and Hogan.)
- O'Shea, James P., New York, N. Y., assignor to Cooper Hewitt Electric Company. Mercury switch. 1,676,408; July 10.
- Oshima, Kokichi, Sapporo, Japan. Preventing the blackening of tinned foods. 1,686,393; Oct. 2.
- Oshman, Benjamin and D., New York, N. Y. Nursing bottle. 1,672,466; June 5.
- Oshman, Benjamin and D., New York, N. Y. Nursing bottle. 1,672,467; June 5.
- Oshman, Benjamin and D., New York, N. Y. Combined brush and comb. 1,672,468; June 5.
- Oshman, Benjamin and D., New York, N. Y. Combined brush with combs. 1,672,469; June 5.
- Oshman, David. (See Oshman, Benjamin and D.)
- Oskamp, Howard E., Chicago, Ill. Cornice bracket. 1,658,815; Feb. 14.
- Oskeit, Frank, Pittsfield, Mass. Pipe and plate connection. 1,691,609; Nov. 13.
- Oslund, Charles H. (See Johnson, J. E., and Oslund.)
- Oslund, Charles H., and J. E. Johnson, assignors to The O. & J. Machine Company, Worcester, Mass. Machine for applying capsules. 1,672,278; June 5.
- Osmera, Frank, Wauneta, Nebr. Corn sheller. 1,676,573; July 10.
- Osmundson, Christian, Webster City, Iowa. Cultivator-shovel structure. 1,693,047; Nov. 27.
- Osno, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches, Berlin, Germany. Electric-wave filter. 1,656,225; Jan. 17.
- Osno, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Static frequency changer. 1,669,142; May 8.
- Osno, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for high-frequency systems with frequency amplification. 1,682,768; Sept. 4.
- Osno, Mendel, assignor to Gesellschaft für Drahtlose Telegraphie m. m. H., Berlin, Germany. Telephony or keying arrangement. 1,686,982; Oct. 9.
- Osno, Mendel, and R. Kummich, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Conductor for high-frequency work. 1,664,044; Mar. 27.
- Osolin, Alfred, Cleveland, Ohio. Fluid measuring and dispensing apparatus. 1,668,376; May 1.
- Ossa, Arturo A., Santiago, Chile. Manufacturing metals and chemicals by means of iodine. 1,660,884; Feb. 28.
- Osser, Sidney, Wichita, Kans. Rapid magnetizing and demagnetizing metal alloys. 1,692,690; Nov. 20.
- Osser, Sidney, Wichita, Kans. Magnetic motor. 1,692,761; Nov. 20.
- Ossing, Stanley F., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Crushing apparatus. 1,681,779; Aug. 21.
- Ostand, Joseph, Cincinnati, Ohio. Aerial device. 1,663,728; Mar. 27.
- Östberg, Nils F. B., Tureberg, Sweden. Rake. 1,693,492; Nov. 27.
- Ostdiek, Clarence J. (See Ostdiek, Herman J. and C. J.)
- Ostdiek, Herman J. and C. J., Minneapolis, Minn. Copyholder. 1,672,622; June 5.

- Osten, William H., Clarwater, Fla., assignor of one-half to J. D. Stites, Long Island City, N. Y. Boat stabilizer. 1,663,888; Mar. 27.
- Ostendorf, John A., assignor of one-half to E. P. Martin, Baltimore, Md. Bake pan. 1,668,332; May 1.
- Ostendorf, Lawrence C., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,688,939; Oct. 23.
- Ostendorf, William J., Aurora, Ill. Musical instrument. 1,691,669; Nov. 13.
- Oster, Herman W., and G. D. Sleeth, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Die-stock. 1,655,072; Jan. 3.
- Oster, Herman W., and G. D. Sleeth, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Machine for cutting off pipes and the like. 1,669,911; May 15.
- Oster, John E. (See Martino, N., Frasca, and Oster.)
- Oster Manufacturing Company, The. (See Oster, H. W., and Sleeth, assignors.)
- Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Omaha, Nebr. Electric burner. 1,692,221; Nov. 20.
- Ostermann, Rudolf M., Evanston, Ill., assignor to The Superheater Company, New York, N. Y. Superheater for boilers. 1,679,585; Aug. 7.
- Ostermeier, George A., New London, Wis. Process trimmer. 1,676,574; July 10.
- Ostertag, Harry M., Appleton, assignors, by mesne assignments, to Paper Patents Company, Neenah, Wis. Machine for planing suction boxes. 1,682,980; Sept. 4.
- Ostertag, Julius, Stuttgart, Germany. Preventing the formation of incrustation or scale in boilers caused by salts of silicic acid. 1,657,443; Jan. 24.
- Osthoff, Walter, Barmen, Germany. Heating the singeing members of cylinder singeing machines. 1,664,993; Apr. 3.
- Ostler, Clarence M., Fort Wayne, assignor to McCormick Bros. Company, Albany, Ind. Sifter. 1,666,830; Apr. 17.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Discriminating signaling apparatus. 1,671,778; May 29.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,672,336; June 5.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,673,420; June 12.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Traffic-recording equipment for telephone systems. 1,674,411; June 19.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Semiautomatic telephone system. 1,674,916; June 26.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Traffic-recording equipment for telephone systems. 1,676,742; July 10.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multioffice telephone system. 1,680,565; Aug. 14.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,682,089; Aug. 28.
- Ostline, John E., Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,694,623; Dec. 11.
- Ostline, John E., and W. O. Passmore, Liverpool, England, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Trunking arrangement for automatic or semiautomatic telephone systems. 1,670,420; May 22.
- Ostman, Nils. (See Gerlach, O., and Ostman.)
- Ostram, Roy A., and C. E. Frykdahl, assignors to Duluth Show Case Company, Duluth, Minn. Shelving. 1,684,410; Sept. 18.
- Ostrander, Charles L. (See Teisinger, Fred, assignor.)
- Ostrander, Robert M., Los Angeles, Calif. Match-box holder. 1,681,710; Aug. 21.
- Ostrochovsky, Andrew. (See Kuzma, J. R., and Ostrochovsky.)
- Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Making powdered vitreous polymerized styrol and its homologues, to the powder so produced, and articles including such material. 1,676,281; July 10.
- Ostromislensky, Iwan, assignor, by mesne assignments, to The Pyridium Corporation, New York, N. Y. Aryl-azodiaminopyridines useful as bactericides and making the same. 1,680,108; Aug. 7.
- Ostromislensky, Iwan, assignor to The Pyridium Corporation, New York, N. Y. Obtaining neopyridium. 1,680,109; Aug. 7.
- Ostromislensky, Iwan, assignor to The Pyridium Corporation, New York, N. Y. Obtaining neopyridium. 1,680,110; Aug. 7.
- Ostromislensky, Iwan, assignor to The Pyridium Corporation, New York, N. Y. Phenyl-azo-alpha-alpha-diaminopyridine dihydrochlorides and obtaining the same. 1,680,111; Aug. 7.
- Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Polymerized styrol and its homologues and the polymerization of styrol and its homologues. 1,683,402; Sept. 4.
- Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Polymerized styrol and its homologues and the polymerization of styrol and its homologues. 1,683,403; Sept. 4.
- Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Polymerized styrol and its homologues and the polymerization of styrol and its homologues. 1,683,404; Sept. 4.
- Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Making vitreous polymerized styrols and products obtained thereby. 1,683,405; Sept. 4.
- Ostromislensky, Iwan, New York, N. Y., assignor to Revore Rubber Company, Chelsea, Mass. Vulcanizing rubber and products obtained thereby. 1,696,409; Dec. 25.
- Ostromislensky, Iwan, and M. G. Shepard, New York, N. Y. assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Process for making substantially homogeneous masses of polymerized styrol from a nonhomogeneous mass of polymerized styrol. 1,683,401; Sept. 4.
- Ostrovsky, Harry, Bayswater, London, England. Safety razor. 1,675,128; June 26.
- Ostrovsky, Harry, London, England. Frog for violin bows. 1,695,020; Dec. 11.
- Ostrovsky, Harry, Bryn Athyn, Pa. Apparatus for promoting flexibility of the joints of the hands. 1,676,664; July 10.
- O'Sullivan, Patrick J., Woodside, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Safety device. 1,683,693; Sept. 11.
- Osvald, Albert, Los Angeles, Calif. Mop wringer. 1,657,895; Jan. 31.
- Osvald, Gösta, Stockholm, Sweden, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Disinfecting seeds. 1,670,980; May 22.
- Oswald, Alfred E., Hackensack, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Electric motor. 1,693,617; Dec. 4.
- Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System including space discharge device. 1,665,674; Apr. 10.
- Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube control. 1,671,205; May 29.
- Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System of electrical conductors. 1,673,016; June 12.
- Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-wave-translation system. 1,678,160; July 24.
- Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,689,293; Oct. 30.
- Oswald, Arthur A., Bradley Beach, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-voltage vacuum-tube system. 1,671,204; May 29.
- Oswald, Earl P., Detroit, Mich. Steam generator. 1,674,412; June 19.
- Oswald, Franklin L. (See Morrison, R. A., and Oswald.)
- Oswald, Richard W., Pittsburgh, Pa. Disk fan wheel. 1,668,462; May 1.
- Oswald, Walter L., Mount Vernon, N. Y., assignor, by mesne assignments, to Cutler-Hammer Manufacturing Company, System of fluid-pressure regulation. 1,670,313; May 22.
- Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
- Oswego Falls Corporation. (See Wright, W. L., and Dolphin, assignors.)
- Oswego Falls Corporation. (See Wright, W. L., and Pierce, assignors.)
- Ota, Mincru. (See Nishida, S., Ota, and Inose.)
- Otake Fabric Company, The. (See Lorenz, William A., assignor.)
- Otake Fabric Company, The. (See Tracy, Peter J., assignor.)
- Otani, Shozaburo, Winters, Calif. Child's vehicle. 1,658,494; Feb. 7.
- Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company, Metal pot. 1,672,728; June 5.
- Otis, Albert N., and C. L. Ipsen, Schenectady, N. Y., assignors to General Electric Company, Electric furnace. 1,696,728; Dec. 25.
- Otis, Albert N., Schenectady, N. Y., and L. F. Woolston, Richmond Heights, Mo., assignors to General Electric Company, Furnace. 1,688,745; Oct. 23.
- Otis, Charles M., Rochester, N. Y., and F. J. Couch, Cincinnati, assignors to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Safety device for overdriven extractors. 1,691,122; Nov. 13.
- Otis Company. (See Blanchard, Alfred, assignor.)
- Otis Elevator Company. (See Anderson, John N., assignor.)
- Otis Elevator Company. (See Blackburne, Frederick W., assignor.)
- Otis Elevator Company. (See Bjorkman, Axel W., assignor.)

- Otis Elevator Company. (See Boyce, John E., assignor.)
 Otis Elevator Company. (See Brady, Thomas, assignor.)
 Otis Elevator Company. (See Daly, W. A., and Dunn, assignor.)
 Otis Elevator Company. (See Davis, Lee I., assignor.)
 Otis Elevator Company. (See Davis, Myron P., assignor.)
 Otis Elevator Company. (See Dunn, Edward L., assignor.)
 Otis Elevator Company. (See Heart, Herbert L., assignor.)
 Otis Elevator Company. (See Hymans, Frederick, assignor.)
 Otis Elevator Company. (See Hymans, F., and Westlin, assignors.)
 Otis Elevator Company. (See Larson, David C., assignor.)
 Otis Elevator Company. (See Lautrup, George W., assignor.)
 Otis Elevator Company. (See Lewis, Jacob D., assignor.)
 Otis Elevator Company. (See Lewis, J. D., and Lautrup, assignors.)
 Otis Elevator Company. (See Lindquist, D. L., Dunn, and Larson, assignors.)
 Otis Elevator Company. (See Margles, S. G., and Handy, assignors.)
 Otis, Gerald E., assignor to The Herman Nelson Corporation, Moline, Ill. Radiator structure. 1,693,618; Dec. 4.
 Otis, Harold A., assignor to Chicago North Shore & Milwaukee Railroad Company, Chicago, Ill. Transporting goods. 1,675,512; July 3.
 Otis, John E., West New York, N. J. Grease trap. 1,695,781; Dec. 18.
 Otis, Joseph E., jr., Winnetka, assignor to The Bassick Manufacturing Company, Chicago, Ill. Pneumatic tool. 1,679,540; Aug. 7.
 Otis, Samuel S. (See Miller, John C., assignor.)
 Otis, Spencer, assignor to The Locomotive Terminal Improvement Company, Chicago, Ill. Keeping up the temperature in hot-water-supply systems. 1,664,862; Apr. 3.
 O'Toole, Edward, Gary, W. Va. Cleaning and sizing apparatus. 1,667,331; Apr. 24.
 O'Toole, Edward, Gary, W. Va. Mining machine. 1,683,297; Sept. 4.
 O'Toole, Edward, Gary, W. Va. Mining machine. 1,687,306; Oct. 9.
 O'Toole, Edward, Gary, W. Va. Heading machine. 1,687,949; Oct. 16.
 O'Toole, Edward, Gary, W. Va. Apparatus for cleaning Coal. 1,693,861; Dec. 4.
 O'Toole, William A., Pittsburgh, Pa. Locomotive-drive-box wedge assembly. 1,654,597; Jan. 3.
 O'Toole, William A., Pittsburgh, Pa. Automatic lubricator for driving wheels of locomotives. 1,670,820; May 22.
 Otoupal, Anton W., assignor to T. M., E. A., and G. F. Otoupal, Ulysses, Nebr. Bearing for disk cultivators. 1,662,325; Mar. 13.
 Otoupal, E. A., et al. (See Otoupal, Anton W., assignor.)
 Otoupal, G. F., et al. (See Otoupal, Anton W., assignor.)
 Otoupal, T. M., et al. (See Otoupal, Anton W., assignor.)
 Ott, John. (See Cadwell, W. H., and Ott.)
 Ott, John. (See Cadwell, W. H., Ott, and Kayle.)
 Ott, Joseph, assignor to Royal Weaving Co., Pawtucket, R. I. Cloth-take-up mechanism for looms. 1,654,593; Jan. 3.
 Ott, Oran W., Los Angeles, Calif. Fin-type air heater. 1,681,428; Aug. 21.
 Ott, William N., Bloomfield, N. J. Electric clamp connector. 1,678,350; July 24.
 Otte, Otto M., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Ham boiler. 1,679,780; Aug. 7.
 Otten, Lawrence P., Newport, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Belt loop for chains. 1,682,586; Aug. 28.
 Ottenheimer Bros., Inc. (See Ottenheimer, Reuben E., assignor.)
 Ottenheimer, Reuben E., assignor to Ottenheimer Bros., Inc., Baltimore, Md. Refrigerating case. Re16,941; Apr. 24.
 Ottenthal, Charles J. (See Zearing, R. M. jr., and Ottenthal.)
 Otterman, Joseph, Pittsburgh, Pa. Railway-crossing signal system. 1,673,633; June 12.
 Ottinger, Leon. (See Lyddane, Mortimer C., assignor.)
 Ottinger, Leon, New York, N. Y. Latch-handle escutcheon and bearing. Re17,072; Aug. 28.
 Ottinger, Leon, New York, N. Y. Handle-attaching means for door latches. 1,655,918; Jan. 10.
 Otto, Albert T., & Sons. (See Spalding, John, assignor.)
 Otto, Alfred, Taylor, and R. Otto, Lee County, Tex. Sign-letter plate. 1,663,349; Mar. 20.
 Otto, Arthur J., assignor to Johnson Service Company, Milwaukee, Wis. Temperature regulation. 1,681,253; Aug. 21.
 Otto, August, Sauk Center, Minn. Sled attachment for motor vehicles. 1,693,862; Dec. 4.
 Otto, Carl, Essen-Ruhr, Germany. Vertical-chamber coke oven. 1,695,204; Dec. 11.
 Otto, Carl, Essen-Ruhr, Germany. Directly producing ammonia. 1,696,446; Dec. 25.
 Otto, Edgar W., assignor to Coast Envelope and Leather Products Company, Los Angeles, Calif. Binder. 1,660,393; Feb. 28.
 Otto, Gustav, A. Hartmann, and G. Bauriedel, Barmen, Germany, assignors, by mesne assignments, to American Bemberg Corporation. Apparatus for spinning artificial silk. 1,682,797; Sept. 4.
 Otto, Harry A., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Separator and method of separating extraneous material from fluids. 1,674,790; June 26.
 Otto, John, Chicago, Ill. Fishing device. 1,672,498; June 5.
 Otto, Paul, New York, N. Y. Decanter. Des. 75,641; June 26.
 Otto, Paul, New York, N. Y. Decanter. Des. 75,642; June 26.
 Otto, Paul, New York, N. Y. Decanter. Des. 75,643; June 26.
 Otto, Robert. (See Otto, Alfred and R.)
 Otto, Stuart, Scranton, Pa., assignor to Iceless Automatic Refrigerator Company. Refrigerating apparatus. 1,684,196; Sept. 11.
 Otto, Stuart, Wilton, Conn., and L. Bruehl, Brooklyn, N. Y., assignors to Gas Refrigeration Corporation, Scranton, Pa. Evaporator for refrigerating apparatus. 1,681,254; Aug. 21.
 Ottoson, Fritz. (See Braff, A. F., and Ottoson.)
 Ottumwa Iron Works. (See Mead, Ezra B., assignor.)
 Otwell, Walter E., Linn, Kans. Radiator-cap ornament. Des. 77,184; Dec. 11.
 Ouellet, Albert F., Jersey City, N. J. Optical device. 1,681,874; Aug. 21.
 Ouellette, Edward J., Anaconda, Mont. Apron for ore-elevator feeders. 1,656,602; Jan. 17.
 Oughton, Frank, Youngstown, Ohio. Steering wheel for automobiles. 1,687,783; Oct. 16.
 Our Sales and Service Company. (See Gies, Frank G., assignor.)
 Outcault, Richard F., jr., Chicago, Ill. Leaf for a bank deposit book. Des. 76,257; Sept. 4.
 Outing Manufacturing Co. (See Dewey, Clarence L., assignor.)
 Outlook Manufacturing Company, The. (See Lippert, Samuel, assignor.)
 Ovalite Company, The. (See Hurster, William, assignor.)
 Oven, Frank J., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Metallic gasket. 1,692,857; Nov. 27.
 Owenshire, Charles E. (See Dee, Daniel, assignor.)
 Overbury, Frederick C. (See Rahr, C. E., and Overbury.)
 Overbury, Frederick C., Hillsdale, N. J. Roof and method of laying. 1,673,585; June 12.
 Overbury, Frederick C., Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass. Roofing and laying the same. 1,673,991; June 19.
 Overdorff, Calvin, and J. Juhasz, Johnstown, Pa. Air compressor. 1,661,958; Mar. 6.
 Overgaard, Olav, Brooklyn, N. Y., assignor to Star Contra Propeller Ltd. A/S., Oslo, Norway. Removable contrapropeller. 1,676,409; July 10.
 Overholt, Miles, San Francisco, Calif. Hairbrush. 1,669,100; May 8.
 Overlander, Everts W. (See Overlander, Rufus M., jr., and E. W.)
 Overlander, Rufus M., jr., and E. W., New York, N. Y. Holder for watch and clock movements. Des. 76,036; Aug. 14.
 Overly, W. F., & Son. (See Goodwin, John H., assignor.)
 Overman Cushion Tire Company. (See Manly, Charles M., assignor.)
 Overman Cushion Tire Company. (See Overman, Max C., assignor.)
 Overman, Edward, Los Angeles, Calif. Land leveler. 1,691,854; Nov. 13.
 Overman, George W. P., Norfolk, Va. Lifeboat-releasing device. 1,664,222; Mar. 27.
 Overman, Max C., New York, N. Y., assignor to Overman Cushion Tire Company Inc. Tire. 1,685,955; Oct. 2.
 Overman, Roscoe E., Van Nuys, Calif. Drill. 1,659,893; Feb. 21.
 Overmier, Emmons, La Grange, assignor to Maintenance Equipment Company, Chicago, Ill. Ballast-removing machine. 1,691,933; Nov. 20.
 Oversewing Machine Company. (See Davis, John A., assignor.)
 Overstreet, C. A. (See Lashley, T. H., and Black, assignors.)
 Overstreet, M. O. (See Billingsley, Percy L., assignor.)
 Overstrom, Gustav A., Pacific Grove, Calif. Pyroelectric separation of finely-divided materials. 1,679,739; Aug. 7.
 Overstrom, Gustav A., Big Sur, Calif. Electrical separation of finely-divided materials. 1,679,740; Aug. 7.
 Overstrom, Gustave A., Pasadena, Calif. Gas and oil trap. 1,674,699; June 26.
 Overton, Fitzhugh L., Houston, Tex. License-plate frame. 1,660,575; Feb. 28.
 Overton, Walter S. (See Brauer, A. J., Wagner, and Overton.)
 Ovestrud, Melvin, assignor to one-half to Twin City Forge & Foundry Company, Stillwater, Minn. Tie-plate punching and shearing press. 1,666,344; Apr. 17.
 Ovestrud, Melvin, assignor to one-half to Twin City Forge & Foundry Company, Stillwater, Minn. Bending press for tie-plate flanges. 1,666,345; Apr. 17.
 Ovestrud, Melvin, assignor to Twin City Forge & Foundry Company, Stillwater, Minn. Mechanism for conveying and water cooling the plates. 1,678,195; July 24.

- Ovestrud, Melvin, assignor to Twin City Forge & Foundry Company, Stillwater, Minn. Forming tie plates. 1,684,107; Sept. 11.
- Oviedo, Fortunato F., Madrid, Spain. Automatic baking oven. 1,692,515; Nov. 20.
- Ovington, Edward J., Auburndale, Mass. Fitting-table heater. 1,654,599; Jan. 3.
- Ovtrall, Robert M., Brooklyn, N. Y. Controlling device for printing apparatus. 1,674,057; June 19.
- Ovtschinnikoff, Alexander, Arnstadt, Germany. Machine for manufacturing and packing matches. 1,696,052; Dec. 18.
- Owen, Allen F., Jackson Heights, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Preparing a waterproofing composition. 1,656,953; Jan. 24.
- Owen, Dudley, West Smithfield, London, assignor of one-half to A. M. MacLaggart, London, England. Tin and like container. 1,664,181; Mar. 27.
- Owen-Dynete Corporation. (See Sayre, Gordon B., assignor.)
- Owen, Edward R., Nyack, N. Y. Holder for receptacles. 1,695,739; Dec. 18.
- Owen, Fred M., New York, N. Y. Detachable spout for fluid receptacles. 1,662,043; Mar. 6.
- Owen, Frederick C., Fayetteville, N. C. Transformer for electric-arc cutting and welding apparatus. 1,659,469; Feb. 14.
- Owen, Frederick C., Fayetteville, N. C. Transformer for electric-arc cutting and welding apparatus. 1,668,377; May 1.
- Owen, Frederick C., Fayetteville, N. C. Inductional water heater. 1,671,839; May 29.
- Owen, Fredrick C., Fayetteville, N. C. Transformer for electric arc cutting, repairing, and welding apparatus. 1,677,003; July 10.
- Owen, Frederick C., Fayetteville, N. C. Transformer for electric-arc cutting, repairing, and welding apparatus. 1,679,263; July 31.
- Owen, Frederick C., Fayetteville, N. C. Variable-voltage transformer for electric-arc cutting and welding apparatus. 1,690,943; Nov. 6.
- Owen, Henry A., assignor to Whitin Machine Works, Whitinsville, Mass. Drafting system. 1,696,553; Dec. 25.
- Owen, Ira J., Grand Rapids, Mich. Combination paper-cutting tool, rule, and drafting and measuring instrument. 1,690,832; Nov. 6.
- Owen, Le Roy R., and O. E. Whiteman, South Bend, Ind. Sereed chair. 1,690,993; Nov. 6.
- Owen, Raymond V., assignor to The Edwin F. Guth Company, St. Louis, Mo. Lighting-fixture globe or similar article. Des. 76,258; Sept. 4.
- Owen, Robert V., New York, N. Y. Pedometer. 1,685,242; Sept. 25.
- Owen, Samuel. (See Harris, Augustus F., assignor.)
- Owen, Sidney, and W. F. Roberts, Phoenix, Ariz. Sprinkler. 1,659,470; Feb. 14.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making composite glass. 1,657,227; Jan. 24.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Machine for rounding the edges of sheets of material. 1,660,350; Feb. 28.
- Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Machine for rounding the edges of glass sheets. 1,665,040; Apr. 3.
- Owen, William A., Akron, Ohio. Repair part for footwear. 1,682,707; Aug. 28.
- Owen, William H., Wimbledon, England. Air heater. 1,673,992; June 19.
- Owen, William H., Wimbledon, England. Air preheater for furnaces. 1,690,242; Nov. 6.
- Owens Bottle Company, The. (See Cramer, Albert N., assignor.)
- Owens Bottle Company, The. (See Denelsbeck, D., and Dille, assignors.)
- Owens Bottle Company, The. (See Eppstein, Meyer M., assignor.)
- Owens Bottle Company, The. (See Ferngren, Enoch T., assignor.)
- Owens Bottle Company, The. (See Hofmann, V. E., and Soubier, assignors.)
- Owens Bottle Company, The. (See La France, Richard, assignor.)
- Owens Bottle Company, The. (See McLaughlin, John E., assignor.)
- Owens Bottle Company, The. (See Morrison, James, assignor.)
- Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
- Owens Bottle Company, The. (See Williams, Percy Q., assignor.)
- Owens, Charles S., Madisonville, Ohio. Hinge. 1,693,526; Nov. 27.
- Owens, Dabney P., Lake Worth, Fla. Tractor. 1,669,345; May 8.
- Owens, Frank, Keyport, N. J. Kite. 1,658,006; Jan. 31.
- Owens, Frank R., Beaver Crossing, Nebr. Parachute. 1,687,884; Oct. 16.
- Owens, Frank R., Beaver Crossing, Nebr. Windmill. 1,695,154; Dec. 11.
- Owens, Fred, Mount Vernon, Ky. Wiper. 1,664,316; Mar. 27.
- Owens, Freeman H., New York, N. Y. Spring lock for incandescent lamps. 1,682,682; Aug. 28.
- Owens, Freeman H., New York, N. Y. Motion-picture apparatus. 1,684,968; Sept. 18.
- Owens, Freeman H., New York, N. Y. Photographic film and magazine therefor. 1,686,462; Oct. 2.
- Owens, Freeman H., New York, N. Y. Focusing device for cameras. 1,686,463; Oct. 2.
- Owens, Freeman H., New York, N. Y. Optical printer. 1,692,347; Nov. 20.
- Owens, James P., Weatherford, Tex. Insect-gathering machine. 1,686,394; Oct. 2.
- Owens, Jefferson G., Swampscott, Mass. Combination brake and gas control. 1,674,121; June 19.
- Owens, John B., Tampa, Fla. Tunnel kiln. 1,669,777; May 15.
- Owens, John H., Elgin, Ill. Pit cover. 1,664,525; Apr. 8.
- Owens, John S., London, England. Open-front fireplace stove for burning coke. 1,688,430; Oct. 23.
- Owens Manufacturing Co. (See Crankshaw, Alfred H., assignor.)
- Owens, Raymond B., Washington, D. C., assignor to Wired Radio, Inc., of New York, N. Y. Crystal-controlled calibrator. 1,673,200; June 12.
- Owens, Robert J., Minneapolis, Minn. Machine for treating seeds for smut. 1,658,938; Feb. 14.
- Owens, William, Detroit, Mich. Revolving table. 1,669,671; May 15.
- Owensboro Ditcher & Grader Company. (See Cundiff, Charles W., assignor.)
- OWston, Charles W., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Method of and apparatus for soldering. 1,660,576; Feb. 28.
- Ox Fibre Brush Company. (See Lipps, William D., assignor.)
- Oxford Paper Company, The. (See Latham, Fred J., assignor.)
- Oxford Paper Company. (See Neall, N. J., and Chadbourn.)
- Oxford Varnish Corporation. (See Brown, Robert F., assignor.)
- Oxford Varnish Corporation. (See Casto, Lloyd V., assignor.)
- Oxford Varnish Corporation. (See von Webern, Guido, assignor.)
- Oxhandler, Leopold, assignor, by mesne assignments, to Meyer Dry, Chicago, Ill. Flat for cellular fillers. 1,687,224; Oct. 9.
- Oxley, Arthur E., Manchester, assignor to The British Cotton Industry Research Association and Platt Brothers and Company Limited, Oldham, England. High-draft speed frame for drawing, twisting, and winding textile materials. 1,668,333; May 1.
- Oxweld Acetylene Company. (See Becket, Frederick M., assignor.)
- Oxweld Acetylene Company. (See Franks, Russell, assignor.)
- Oxweld Acetylene Company. (See Jones, George I., assignor.)
- Oxweld Acetylene Company. (See Kehl, Robert J., assignor.)
- Oxweld Railroad Service Company, The. (See Hunt, William F., assignor.)
- Oxweld Railroad Service Company, The. (See Krebs, Adolf, assignor.)
- Oxweld Railroad Service Company, The. (See Stelling, Hermann C., assignor.)
- Oxyzyn Company. (See Valentine, Joseph E., assignor.)
- Ozee, Joseph M., St. Louis, Mo. Shank. 1,674,658; June 26.
- Ozek, John. (See Palmer, Charles E., assignor.)
- Ozberger, Rudolf, Vienna, Austria. Alloy of copper, tin, and nickel. 1,661,083; Feb. 28.
- P & M Company, The. (See Blair, Rolandis A., assignor.)
- P & M Company, The. (See Evans, John A., assignor.)
- P & M Company, The. (See Lenoir, Milton C., assignor.)
- P & M Company, The. (See Warr, Harold G., assignor.)
- Pabodie, Robert J., Maywood, assignor of one-half to B. G. Richards, Western Springs, Ill. Heating system. 1,664,317; Mar. 27.
- Pabst, William E., Anderson, Ind. Counterboring head. 1,684,804; Sept. 18.
- Pabst, William E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Apparatus for aligning armature-core laminæ. 1,661,342; Mar. 6.
- Paca, John P., assignor to The Diebold Safe & Lock Company, Canton, Ohio. Automatic pressure-system lock. 1,693,048; Nov. 27.
- Paca, William S., Oil City, Pa., assignor of one-half to W. W. Paca. Preventing back drift of automobiles on grades. 1,671,739; May 29.
- Paca, William W. (See Paca, Williams S., assignor.)
- Pace, Edgar J., Los Angeles, Calif., assignor to Payne Furnace and Supply Company. Electrically-operated valve. 1,674,021; June 19.
- Pacnet Electric Co. (See Goudy, Carl F., assignor.)
- Pacnet Electric Company. (See Pacnet, Louis G., assignor.)
- Pacnet, Louis G., Winfield, N. Y. Variable-control device. 1,675,377; July 3.
- Pacnet, Louis G., Winfield, assignor to Pacnet Electric Company, Inc., New York, N. Y. Connecting plug. 1,683,370; Sept. 4.
- Pacnet, Louis G., Winfield, assignor to Pacnet Electric Company, New York, N. Y. Adjusting device. 1,688,313; Oct. 16.

- Pacem, Louis G. Winfield, assignor to Pacem Electric Company, Inc., New York, N. Y. Variable-control device. 1,690,077; Oct. 30.
- Pacem, Louis G., Winfield Park, assignor to Pacem Electric Company, Incorporated, New York, N. Y. Telephone plug. 1,680,430; Aug. 14.
- Pacem Radio Corporation. (See Goudy, Carl F., assignor.)
- Pacific Coast Borax Company. (See Cramer, Thomas M., assignor.)
- Pacific Coast Borax Company. (See Jacobl, Karl J., assignor.)
- Pacific Coast Manufacturing Company. (See De Velbiss, David E., assignor.)
- Pacific Distributing Corporation. (See Purdy, Milton A., assignor.)
- Pacific Door and Sash Company. (See Nelson, Eric, assignor.)
- Pacific Egg Producers Co-Operative Incorporated. (See House, Charles E., assignor.)
- Pacific Flush Tank Company. (See Beddoes, Hubert, assignor.)
- Pacific Gas Radiator Company. (See Hartfield, A. J., and Holbrook, assignors.)
- Pacific Lumber Company, The. (See Leaver, James M., assignor.)
- Pacific Manufacturing Company. (See Reinhold, William J., assignor.)
- Pacific Nitrogen Corporation. (See Dannenbaum, Walter, assignor.)
- Pacific Northwest Paper Mills, Inc. (See Madden, Daniel D., assignor.)
- Pacific Pipe and Supply Company. (See Griffiths, John C., assignor.)
- Pacific Portland Cement Company, Consolidated. (See Colton, James H., assignor.)
- Pacific Pump Works. (See Weis, Arthur R., assignor.)
- Pacific Southwest Trust & Savings Bank, administrator. (See Green, Henry M.)
- Pacific Southwest Trust & Savings Bank, trustee. (See Curtis, Thomas S., assignor.)
- Pacini, August J., assignor to C. M. Richter, Chicago, Ill. Antiricketic substances and the production thereof. 1,681,120; Aug. 14.
- Pack, Alonzo G., Jr. (See Muelheim, L. C., and Pack.)
- Pack, Carl O. C., sr., assignor to Johnson & Johnson, New Brunswick, N. J. Lapping machine. 1,659,331; Feb. 14.
- Pack Shops, Inc. (See Manning, Landon C., assignor.)
- Package Service Corporation. (See Keck, Arthur, assignor.)
- Package Machinery Company (See Smith, Elmer L., assignor.)
- Package Machinery Company. (See Smith, E. L. and Paynter, assignors.)
- Package Machinery Company. (See Smith, E. L., and Phelon, assignors.)
- Package Machinery Company. (See Smith E. L., Phelon, and Langhammer, assignors.)
- Packard, Edward S., Holyoke, Mass. Cup-drip attachment. 1,683,205; Sept. 4.
- Packard, Edwin A., Yonkers, assignor to International Combustion Engineering Corporation, New York, N. Y. Boiler furnace. 1,692,934; Nov. 20.
- Packard Electric Company, The. (See Tuttle, George H., assignor.)
- Packard, Ernest B., Rockland, Me. Valve-reversing mechanism. 1,681,307; Aug. 21.
- Packard, Horace N. (See Wiegand, H. J., and Packard.)
- Packard, Horace N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus particularly applicable to measurements of the calorific value of combustible fluids. 1,662,802; Mar. 13.
- Packard Motor Car Company. (See Cooper, Erwin C., assignor.)
- Packard Motor Car Company. (See De Palma, Ralph, assignor.)
- Packard Motor Car Company. (See Gunn, Earl G., assignor.)
- Packard Motor Car Company. (See Knapp, Archer L., assignor.)
- Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
- Packard Motor Car Company. (See Patten, Raymond E., assignor.)
- Packard Motor Car Company. (See Peterson, Walter C., assignor.)
- Packard Motor Car Company. (See Scovel, Henry M., assignor.)
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
- Packard Motor Car Company. (See Weinhardt, Robert A., assignor.)
- Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
- Packard Motor Car Company. (See Wright, Lewis A., assignor.)
- Packard, Ralph G., jr., Morristown, N. J. Gun sight. 1,656,496; Jan. 17.
- Packer, Eben R., New Rochelle, assignor to Q & C Company, New York, N. Y. Switch-point protector. 1,674,178; June 19.
- Packer, Eldredge H., San Francisco, Calif. Piston ring. 1,666,750; Apr. 17.
- Packer, Eldredge H., San Francisco, Calif. Piston ring. 1,668,779; May 8.
- Packer, James M. (See Packer, Mortimer L. and J. M.)
- Packer, Mortimer L. and J. M., Columbus, Ohio. Cooking range. 1,690,036; Oct. 30.
- Packer, Warren J., Meriden, Conn. Bottle-cap piercer. 1,689,047; Oct. 23.
- Packer, William H., assignor to Ohio State Stove Mfg. Co., Columbus, Ohio. Hinge mounting for cabinet doors. 1,696,123; Dec. 18.
- Packers' Supply Company Limited. (See Payne, Arthur C., assignor.)
- Packs (2025) Limited. (See Crossby, W. E. J., and Mellor, assignors.)
- Pacz, Aladar, East Cleveland, Ohio. Refining metals and alloys. 1,691,207; Nov. 13.
- Paddack, Simon D., and C. G. Wilford, assignors, by mesne assignments, to G. D. Johnson, Los Angeles, Calif. Tail light and danger signal. 1,693,936; Dec. 4.
- Paddack, Truman G., Wyoming, assignor to The Stearns & Foster Company, Lockland, Ohio. Cutting device. 1,661,619; Mar. 6.
- Paddison, Alice E., Salt Lake City, Utah. Attachment for cooking utensils. 1,673,947; June 19.
- Paddleford, George E. (See Haynes, H. S., and Alexander, assignors.)
- Pade, Max H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,655,919; Jan. 10.
- Pade, Max H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for manufacturing inner tubes. 1,677,868; July 17.
- Padesky, John R., La Crosse, Wis., assignor, by mesne assignments, to National Gauge & Equipment Company, Wilmington, Del. Instrument panel. 1,687,885; Oct. 16.
- Padgett, Charles W., Crouch End, London, England. Construction of perpetual date indicators. 1,658,649; Feb. 7.
- Padilla, Carlos E., Bogota, Columbia, South America. Lubricator. 1,681,645; Aug. 21.
- Padmore, Bertram R., Roslyn, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,657,583; Jan. 31.
- Padmore, Bertram R., Montrose Heights, Blawnox, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,665,860; Apr. 10.
- Paecht, Hugo C., assignor to Standard Safety Manufacturing Co., New Haven, Conn. Automatic guard for the intermittently-operated rams of power machines. 1,664,790; Apr. 3.
- Paif, George A., Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Machine for twisting the eyes of wire reels. 1,665,069; Apr. 3.
- Pagano, Gaetano, assignor of one-fifth to G. Sofia and one-fifth to S. Straziare, Brooklyn, N. Y. Shade raiser. 1,693,457; Nov. 27.
- Page, Albert E. (See Scott, R. W., and Page.)
- Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Knitting-machine needle. 1,673,634; June 12.
- Page, Albert E., Brooklyn, assignor to Scott & Williams, Inc., New York, N. Y. Method of and machine for making plated fabrics. 1,680,063; Aug. 7.
- Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Circular-knitting machine. 1,685,860; Oct. 2.
- Page, Albert E., Brooklyn, assignor to Scott and Williams, Inc., New York, N. Y. Circular-knitting machine. 1,691,025; Nov. 6.
- Page, Albert E., Brooklyn, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y. Knitting machine. 1,692,691; Nov. 20.
- Page, Charles B., and W. D. Burton, Evanston, assignors to George W. Dulany, jr., Chicago, Ill. Water system. 1,679,489; Aug. 7.
- Page, Charles E., Los Angeles, Calif. Coffee maker. 1,666,070; Apr. 17.
- Page, Charles H., assignor of one-third to L. G. Hoxton and one-third to J. H. Ryalls, Charlottesville, Va. Valve tappet construction. 1,675,954; July 3.
- Page, George E., assignor, by mesne assignments, to P. S. Paulson, Rochester, N. Y. Apparatus for baking food products. 1,679,052; July 31.
- Page, Harry B., East Haven, assignor to Sargent & Company, New Haven, Conn. Padlock. 1,659,664; Feb. 21.
- Page, Harry B., East Haven, assignor to Sargent & Company, New Haven, Conn. Cylinder lock. 1,674,737; June 26.
- Page, Harry B., East Haven, assignor to Sargent & Company, New Haven, Conn. Padlock for tire carriers and the like. 1,695,696; Dec. 18.
- Page, Herbert E., Syracuse, N. Y. Cable grip and making same. 1,657,722; Jan. 31.
- Page, Herbert E., Syracuse, N. Y. Cable grip. 1,686,250; Oct. 2.
- Page, Herbert E., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Puff iron. 1,668,123; May 1.
- Page, Herbert E., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment-pressing machine. 1,682,852; Sept. 4.

- Page, John W., Chicago, Ill. Excavating shovel. 1,664,940; Apr. 3.
- Page, Judith M., Quincy, assignor to Merrimack Manufacturing Company, Lowell, Mass. Pile fabric. Des. 75,512; June 12.
- Page, Judith M., Quincy, assignor to Merrimack Manufacturing Company, Lowell, Mass. Pile fabric. Des. 76,037; Aug. 14.
- Page, Judith M., Quincy, assignor to Merrimack Manufacturing Company, Lowell, Mass. Pile fabric. Des. 76,038; Aug. 14.
- Page, Leslie M., Maplewood, N. J., and L. Meylach, Brooklyn, N. Y. Automatic pressure latch. 1,657,031; Jan. 24.
- Page, Lovell H., Hamden, Conn. Extractor mechanism for bolt-action firearms. 1,672,540; June 5.
- Page, Milton E., jr. (See Johanson, Adolph T., assignor.)
- Page, N. L., & Son Co. (See Page, N. L. B., and Emerson, assignors.)
- Page, Nelson, L. B., and J. C. Emerson, assignors to N. L. Page & Son Co., Auburn, Me. Folding table. 1,683,579; Sept. 4.
- Page, Robert L., Greenville, Miss. Train-dispatching apparatus. 1,680,692; Aug. 14.
- Page, Rufa E., Italy, Tex. Undergarment. 1,662,326; Mar. 13.
- Page Steel & Wire Company. (See Snedeker, James W., assignor.)
- Page, William L., Moseley, Birmingham, England. Canister and like box or container. 1,667,818; May 1.
- Pagendarm, John F. (See Shannon, J. W., and Pagendarm.)
- Pagendarm, John F., Oakland, assignor to American Wood-lite Corporation, San Francisco, Calif. Universal focusing device. 1,694,830; Dec. 11.
- Pagenhart, Benjamin F., assignor of one-half to T. Young, Minneapolis, Minn. Brake mechanism for traction devices of the endless-belt type. 1,677,047; July 10.
- Pagenhart, Benjamin F., assignor of one-fourth to J. A. Bocinny, Minneapolis, Minn. Multiple-tube tire. 1,679,444; Aug. 7.
- Pages, James, Brooklyn, N. Y., Plastering machine. 1,659,440; Feb. 14.
- Paget, Harold F. (See Haines, J., jr., and Paget.)
- Pagin, John B., South Bend, Ind., assignor to The South Bend Bait Company. Decorating fish lures. 1,692,222; Nov. 20.
- Pahl, Frances M., Geneseo, N. Dak. Washing-machine toy. 1,658,611; Feb. 7.
- Pahl, Karl, Heidelberg, Germany. Metal sheet piling. 1,661,496; Mar. 6.
- Pahl, Karl, Heidelberg, Germany. Sheet piling. 1,681,593; Aug. 21.
- Paidar, Emil J., Co. (See Emmert, J. R., and Pozdro, assignors.)
- Paidar, Emil J., Company. (See Grimmich, William, assignor.)
- Paidar, Emil J., Co. (See Ulrich, Oswald, assignor.)
- Paige, Arthur E., Philadelphia, Pa. Pump. 1,665,675; Apr. 10.
- Paige, Arthur E., Philadelphia, Pa. Radiator. 1,673,017; June 12.
- Paige, Arthur E., Philadelphia, Pa. Surfacing mechanism. 1,675,862; July 3.
- Paige, Arthur E., Philadelphia, Pa. Vehicle lock and signaling device. 1,683,913; Sept. 11.
- Paige, Arthur E., Philadelphia, Pa. Vehicle lock and electric circuits. 1,686,763; Oct. 9.
- Paige, Harold S. (See Pieh, Henry E., assignor.)
- Paige & Jones Chemical Co. (See Friend, R. O., and Kullander, assignors.)
- Paige & Jones Chemical Co. Inc. (See Partridge, E. M., and Scarritt, assignors.)
- Pain, James, & Sons Limited. (See Craig, Alfred, assignor.)
- Paine-Cunnington Company, The. (See Cunningham, George R., assignor.)
- Paine, James B. and J. W. Spradley, Sherman, Tex. Attachment for lawn mowers. 1,692,185; Nov. 20.
- Paine, Jesse L., et al. (See Bechthold, John, assignor.)
- Paine, Louis A., assignor to Lincoln Meter Company, Limited, Toronto, Ontario, Canada. Measuring volt amperes in an alternating-current circuit. 1,673,919; June 19.
- Paine, Louis A., assignor to The Lincoln Meter Company Limited, Toronto, Ontario, Canada. Meter for combining the measurement of demand and energy. 1,677,203; July 17.
- Paine, Nathan. (See McCray, Day C., assignor.)
- Paine, Nathan, Miami Beach, Fla., assignor to Miracle Door Company of Delaware, Oshkosh, Wis. Core-block-assembling machine. 1,667,903; May 1.
- Paine, Nathan, Miami Beach, Fla., assignor to Miracle Door Company of Delaware, Oshkosh, Wis. Core-block-assembling apparatus. 1,667,904; May 1.
- Paine & Williams Company, The. (See Vrooman, William S., assignor.)
- Pairman, Robert C., Oakland, Calif. Pyrometer. 1,672,229; June 5.
- Pais, Alexander, et al. (See Pais, Alexander, assignor.)
- Pais, Alexander, assignor to T. Popescu, A. Pais, and C. Pais, Bucharest, Rumania. Heating device. 1,663,640; Mar. 27.
- Pais, Constantin, et al. (See Pais, Alexander, assignor.)
- Pajean, Charles H., assignor to The Toy Tinkers, Inc., Evanston, Ill. Necktie rack. 1,691,123; Nov. 13.
- Pakulla, Edmund, Remscheid, assignor, by mesne assignments, to Deutsche Edelstahlwerke Aktiengesellschaft, Bochum, Germany. Steel alloy and making the same. 1,661,907; Mar. 6.
- Palaith, George J., Chicago, Ill. Drill chuck. 1,680,631; Aug. 14.
- Palaith, George J., Cicero, Ill. Spring collar for lathes and screw machines. 1,680,632; Aug. 14.
- Palau, Gilberto, New York, N. Y. Lady's hand bag. Des. 76,951; Nov. 20.
- Paley, Herman, New York, N. Y. Piano construction. 1,690,549; Nov. 6.
- Paley, Lewis A., Grand Island, N. Y. Die-casting machine. 1,688,055; Oct. 16.
- Paley, Lewis A., Manhasset, N. Y. Soap-molding apparatus. 1,691,899; Nov. 13.
- Palinkas, Paul J., South Norwalk, Conn. Jimmyproof lock. 1,673,468; June 12.
- Palky, Frank J., Dorchester, Nebr. Timer. 1,678,161; July 24.
- Pallada, Hubert, New York, N. Y. Window-sash mounting. 1,662,619; Mar. 13.
- Pallenberg, Christian, assignor of one-half to E. Pallenberg, Clinton, Conn. Resilient seat mount. 1,664,129; Mar. 27.
- Pallenberg, Emil. (See Pallenberg, Christian, assignor.)
- Palliser, Leonard, New York, N. Y. Casing for wrist watches. 1,672,337; June 5.
- Palm Brothers Decalcomania Company. (See Palm, Max J., jr., assignor.)
- Palm, John V. O., assignor, by mesne assignments, to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat control valve for cooling systems. 1,696,410; Dec. 25.
- Palm, Max J., jr., Cincinnati, Ohio, assignor to The Palm Brothers Decalcomania Company, Norwood, Ohio. Plate or similar article. Des. 74,239; Jan. 10.
- Palm, Per W., Baudette, Minn. Tread attachment for vehicle wheels. 1,676,705; July 10.
- Palm, Samuel M., Yeaton, and H. P. Putnam, Upper Darby, Pa., assignors to American Telephone and Telegraph Company. Wire clamp. 1,656,226; Jan. 17.
- Palmaffy, Nicholas, West Orange, N. J. Valve. 1,673,948; June 19.
- Palmbrush, Andrew H., Conrad, Mont. Ditch filler and levee leveler. 1,656,603; Jan. 17.
- Palmer, Adele, et al. (See Scheuer, Alfred A., assignor.)
- Palmer, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Attachment for looms. 1,691,124; Nov. 13.
- Palmer, Alphonso T., Chicago, Ill. Holding device for railroad frogs. 1,668,169; May 1.
- Palmer, Alphonso T., Chicago, Ill. Rail clamp. 1,686,028; Oct. 2.
- Palmer, Alphonso T., Chicago, Ill. Switch-point guard. 1,686,342; Oct. 2.
- Palmer-Bee Company. (See Morgan, Horace H., assignor.)
- Palmer, Bernard M., assignor to The Parker Pen Company, Janesville, Wis. Pencil gripper. 1,674,259; June 19.
- Palmer, Bernard M., assignor to The Parker Pen Company, Janesville, Wis. Pencil gripper. 1,674,260; June 19.
- Palmer, Bernard M., assignor to The Parker Pen Company, Janesville, Wis. Pencil gripper. 1,674,261; June 19.
- Palmer Brothers Company, The. (See Melcer, Ralph H., assignor.)
- Palmer, Cassius C., New York, N. Y. Refrigeration and apparatus therefor. 1,695,292; Dec. 18.
- Palmer, Charles E., assignor to J. Ozek, Marshfield, Oreg. Carburetor. 1,663,724; Mar. 27.
- Palmer, Charles W., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of yarns or threads. 1,672,083; June 5.
- Palmer, Charles W., Spondon, near Derby, England, assignor to Celanese Corporation of America, New York, N. Y. Manufacture of bobbins, spools, or the like. 1,694,428; Dec. 11.
- Palmer, Clarence E., Fayetteville, Ark. Perpetual calendar. 1,687,950; Oct. 16.
- Palmer, Clyde C. (See Dowdall, R. L., and Palmer.)
- Palmer Corporation. (See Fulton, William F., assignor.)
- Palmer, David M. (See Falck, Fritz W., assignor.)
- Palmer, Delos M., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Diesel electric locomotive. 1,691,249; Nov. 13.
- Palmer Electric & Manufacturing Co., The. (See Johanson, Ernest G., assignor.)
- Palmer Electric and Manufacturing Company, The. (See Palmer, G. E., and Johansson, assignors.)
- Palmer, Eli J., Los Angeles, Calif. Safety harness for poison bottles. 1,662,469; Mar. 13.
- Palmer, Eli J., Los Angeles, Calif., assignor to California Production Company, Las Vegas, Nev. Valve for flush. 1,688,876; Oct. 23.
- Palmer, Eli J., Los Angeles, Calif., assignor to California Production Company, Las Vegas, Nev. Float valve. tanks. 1,688,877; Oct. 23.

- Palmer, Ernest E., Toronto, assignor to Appleford Counter Check Book Company, Limited, Hamilton, Ontario, Canada. Packaging waxed-paper sheets. 1,662,980; Mar. 20.
- Palmer, Frederick, assignor to Triangle Conduit Co., Brooklyn, N. Y. Machine for flattening tubular materials. 1,661,908; Mar. 6.
- Palmer, Granville E., Brookline, and E. G. Johansson, Boston, assignors, by mesne assignments, to The Palmer Electric and Manufacturing Company, Waltham, Mass. Switch box. 1,685,462; Sept. 25.
- Palmer, Harmon S., Washington, D. C. Concrete building block and making same. 1,676,153; July 3.
- Palmer, Harry A., Dorchester, assignor to Palmer Inventions, Inc., Boston, Mass. Internal-combustion engine. 1,696,054; Dec. 18.
- Palmer, Harry A., Dorchester, assignor to Palmer Inventions, Inc., Boston, Mass. Air-cooled piston construction. 1,696,858; Dec. 25.
- Palmer Inventions, Inc. (See Palmer, Harry A., assignor.)
- Palmer, Jefferson S., Farmington, N. Mex. Device for eliminating static current and for tuning radio receiving sets. 1,669,171; May 8.
- Palmer, Jesse E. (See Cooke, Joe R., assignor.)
- Palmer, John A., and J. J. Winters, St. Paul, Minn. Electric-cord support. 1,673,704; June 12.
- Palmer, John F., Buffalo, N. Y. Forming pneumatic tires. 1,682,238; Aug. 28.
- Palmer, Mervyn W., assignor to Paramount Famous Laskey Corporation, New York, N. Y. Control mechanism. 1,662,434; Mar. 13.
- Palmer, Ray E., Elmira, N. Y. Road-resurfacing apparatus. 1,670,937; May 22.
- Palmer, Robert C., Pensacola, Fla., assignor to The Newport Company, Milwaukee, Wis. Treating rosin. 1,660,762; Feb. 28.
- Palmer, Roy, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for removing coverings from cores. 1,656,755; Jan. 17.
- Palmer, Silas K., Lake Park, Iowa. Condenser for automobile radiators. 1,688,829; Oct. 23.
- Palmer, Stephen L., Teaneck, N. J. Hot-water bottle or similar article. Des. 76,413; Sept. 25.
- Palmer, Walter T., Des Moines, Iowa. Timing device. 1,691,408; Nov. 13.
- Palmer, Wiley E. (See Milligan, W., and Palmer.)
- Palmer, William C., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Method and apparatus for radius grinding. 1,682,412; Aug. 28.
- Palmer, William H., jr., Wayne, Pa. Combined packing case and tray for storage-battery cells. 1,677,982; July 24.
- Palmer, William L., Long Beach, assignor of one-half to Regan Forge & Engineering Company, San Pedro, Calif. Apparatus for dehydrating crude oils. 1,696,859; Dec. 25.
- Palmieri, Giuseppe, Providence, R. I. Automobile traffic lamp. Des. 77,256; Dec. 18.
- Palnu, Carl, Duluth, Minn. Mortising machine. 1,690,697; Nov. 6.
- Palubiak, John, St. Louis, Mo. Insect trap. 1,661,084; Feb. 28.
- Paluck, Alexander E., Belfield, N. Dak., assignor of one-half to S. J. Cieslewicz, Wibaux, Mont. Figure toy. 1,684,287; Sept. 11.
- Palumbo, Joseph J., Astoria, N. Y. Game device. 1,666,788; Apr. 17.
- Panalle, Anatole, and G. Alexander, Washington, D. C. Lawn-mower attachment. 1,695,438; Dec. 18.
- Panalle, Anatole, and S. L. Needle, Washington, D. C. Safety device. 1,681,130; Aug. 14.
- Pan American Petroleum Company. (See Black, J. C., and Low, assignors.)
- Pan American Petroleum Company. (See Howes, Raymond T., assignor.)
- Panay Horizontal Show Jar Company. (See Sharp, John E., assignor.)
- Pancoast, George E., Seabright, N. J. Web-roll handling and controlling mechanism. 1,669,837; May 15.
- Pancotti, Roberto, Brooklyn, N. Y. Accordion. 1,688,151; Oct. 16.
- Pandolfo, Carmelo, Montevideo, Uruguay. Electric heater. 1,666,831; Apr. 17.
- Pandolfo, Carmelo, Montevideo, Uruguay. Trolley head. 1,668,463; May 1.
- Pandolfo, Joseph, assignor of one-third to M. D. Ordmann, New York, N. Y. Support attachment for flatirons. 1,694,688; Dec. 11.
- Panfili, Constantinos, Pittsburgh, Pa. Windlass mechanism. 1,654,663; Jan. 3.
- Pangborn Corporation. (See Hull, Foster J., assignor.)
- Pangborn, Redmond H., Tacoma, Wash. Conveyor flight. 1,681,429; Aug. 21.
- Pangborn, Redmond H., Tacoma, Wash. Packing box. 1,692,049; Nov. 20.
- Pangborn, Redmond H., assignor of two-thirds to F. C. Brewer and R. H. Shaffer, Tacoma, Wash. Art and apparatus for debarking pulp slabs. 1,673,265; June 12.
- Panhandle Refining Company. (See Turner, Samuel E., assignor.)
- Panhandle Steel Products Company, The. (See Lee, Rufus E., assignor.)
- Pantasote Leather Company, The. (See Harvey, R., and Day, assignors.)
- Pantex Pressing Machine, Inc. (See Beede, H. G., and Cohen, assignors.)
- Pantke, Conrad, Brooklyn, assignor, by mesne assignments, to Lamella Roof Syndicate, Inc., New York, N. Y. Roof construction. 1,659,471; Feb. 14.
- Pantoflick, Bohdan, Pilsen, Czechoslovakia. Discharging bombs and rendering their fuses active. 1,681,007; Aug. 14.
- Panunzi, Riziero, Geneva, Ill. Attachment for sinks. 1,684,805; Sept. 18.
- Panyard, John F., Detroit, Mich. Piston packing. 1,667,947; May 1.
- Papas, John E., Chicago, Ill. Safety device for power punch presses. 1,681,646; Aug. 21.
- Pape, Carl, Berlin, Germany, assignor to General Electric Company. Magnetic cut-out plug. 1,672,729; June 5.
- Pape, Herman G., Newark, N. J. Acoustic diaphragm. 1,692,800; Nov. 20.
- Pape, Herman G., New York, N. Y. Acoustic diaphragm. 1,693,727; Dec. 4.
- Paper and Textile Machinery Company, The. (See Brassington, John W., assignor.)
- Paper and Textile Machinery Company, The. (See Burden, Harry C., assignor.)
- Paper & Textile Machinery Co., The. (See Millsbaugh, William H., assignor.)
- Paper and Textile Machinery Company, The. (See Russell, A. N., and Malkin, assignors.)
- Paper Converting Machine Co. (See Christman, Peter J., assignor.)
- Paper Converting Machine Company. (See Christman, Peter J., jr., assignor.)
- Paper Machinery Corporation. (See Helsel, Ralph E., assignor.)
- Paper Mills Company, The. (See Lee, James F., jr., assignor.)
- Paper Patents Company. (See Henderson, Charles L., assignor.)
- Paper Patents Company. (See Ostertag, Harry M., assignor.)
- Paper Service Company, The. (See Kemp, William C., assignor.)
- Paper Service Company, The. (See Rowe, William W., assignor.)
- Papineau, Harrey J., et al. (See Hughes, Hugh B., assignor.)
- Papp, Bertalan, Bethlehem, Pa. Pan-lid holder. 1,667,266; Apr. 24.
- Pappas, Steve, et al. (See Ross, Theodore A., assignor.)
- Pappert, Emanuel, New York, N. Y. Bridge for spectacles. Des. 75,868; July 24.
- Pappert, Emanuel, New York, N. Y. Optical mounting. Des. 77,257; Dec. 18.
- Papson, John J., Dickson City, Pa. Smoker's pipe. 1,686,419; Oct. 2.
- Paque, Edward J., Cincinnati, assignor to The Pollak Steel Company, Carthage, Ohio. Double-wheel grinder. 1,683,048; Sept. 4.
- Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Corn-picking rolls. 1,682,143; Aug. 28.
- Paradise, Louis A., and W. J. Coultas, assignors to Deere & Company, Moline, Ill. Corn-husking rolls. 1,682,142; Aug. 28.
- Paradise, Thomas E., Hannibal, Mo. Valve-operating mechanism. 1,672,168; June 5.
- Paradise, Thomas E., Hannibal, Mo. Boiler blow-off muffler. 1,687,308; Oct. 9.
- Paraffine Companies. (See Boeppler, Louis, assignor.)
- Paraffine Companies, The. (See Finley, Dozier, assignor.)
- Paraffine Companies, The. (See Finley, D., and Rhoades, assignors.)
- Paraffine Companies, The. (See Meller, Reginald B., assignor.)
- Paraffine Companies, The. (See Nutting, Willard H., assignor.)
- Paraffine Companies, The. (See Rosener, Leand S., assignor.)
- Paraffine Companies, The. (See Tucker, Edgar M., assignor.)
- Paragon Can & Cap Company. (See Seale, Arthur M., assignor.)
- Paragon Dishwasher Syndicate Incorporated. (See Kehoe, J. J., jr., Morson, and De Sherbinin, assignors.)
- Paramount Bedding Machine Co., of Boston. (See Baker, Phillip, assignor.)
- Paramount Electric Mfg. Co. (See Meyers, Samuel A., assignor.)
- Paramount Famous Lasky Corporation. (See Garbutt, F. E., and Griffith, assignors.)
- Paramount Famous Laskey Corporation. (See Palmer, Mervyn W., assignor.)
- Paramount Knitting Mills. (See Zimmerman, Jacob, assignor.)
- Paramount Paper Products Company. (See Simmons, Paul R., assignor.)
- Paramount Roof Flange Corporation. (See Weinberg, David, assignor.)
- Paramount Rubber Consolidated, Inc. (See Cigol, F. A., and Roberts, assignors.)
- Paramount Rubber Consolidated Inc. (See Eldon, Albert J., assignor.)

- Paramount Rubber Consolidated, Inc. (See Roberts, Fred T., assignor.)
- Paramount Rubber Consolidated, Inc. (See Roberts, F. T., and Eldon, assignors.)
- Paramount Rubber Consolidated Inc. (See Smart, Lawrence L., assignor.)
- Paramount Textile Machinery Co. (See Prosser, T. W., and Wahlbeck, assignors.)
- Parapar, Justo. (See de la Cuesta, Francisco and M. M., Parapar, and Fals.)
- Parco Specialty Co. (See Evans, Harold A., assignor.)
- Parcq, Jacques, Paris, France. Signaling apparatus for vehicles, more particularly motor cars. 1,661,343; Mar. 6.
- Pardee, Frank, Hazleton, Pa. Feeder for breakers. 1,661,732; Mar. 6.
- Pardee, Frank, assignor to Anthracite Separator Company, Hazleton, Pa. Spiral separator. 1,659,153; Feb. 14.
- Pardon, Francis C., New York, N. Y. Gas burner. 1,670,209; May 15.
- Pardy, Louis M., Southampton, England. Mute for violins and like musical instruments. 1,671,871; May 29.
- Parella Corporation, The. (See McKinney, Francis B., assignor.)
- Parent, Charles F., Torrington, Conn. Window ventilator. 1,680,909; Aug. 14.
- Parent, Cyrill, Andover, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for loom picking spindles. 1,663,918; Mar. 27.
- Parent, Gustave A. M. L., Lille, France. Vehicle headlight. 1,680,154; Aug. 7.
- Parent, Joseph V., assignor to Worcester Electric Supply Company, Worcester, Mass. Lamp socket. 1,682,930; Sept. 4.
- Parent, Louis E., Claremont, N. H., assignor to Claremont Waste Manufacturing Company. Rotary cutter. 1,688,296; Oct. 16.
- Parent, Louis E., Claremont, N. H., assignor to Claremont Waste Manufacturing Company. Rotary cutter. 1,688,297; Oct. 16.
- Parent, Louis E., Claremont, N. H., assignor to Claremont Waste Manufacturing Company. Rotary cutter. 1,688,298; Oct. 16.
- Parent, Raymond C., assignor of one-half to J. C. Willard, Los Angeles, Calif. Game. 1,695,120; Dec. 11.
- Parenteau, Louise. (See Stevens, J. P., and Bailey, assignors.)
- Parham, Russell C., et al. (See Hulse, James E., assignor.)
- Paris, Hugh P., Seattle, Wash., assignor to Paris Transit Mixer Co. Apparatus for handling, mixing, and pouring concrete. 1,657,762; Jan. 31.
- Paris, Hugh P., King County, near Kirkland, assignor to Paris Transit Mixer Co., Seattle, Wash. Safety drive means for transit concrete mixers. 1,657,763; Jan. 31.
- Paris, Hugh P., King County, near Kirkland, assignor to Paris Transit Mixer Co., Seattle, Wash. Transit-concrete-mixer drive. 1,657,764; Jan. 31.
- Paris, Peter, et al. (See Losi, Lee F., assignor.)
- Paris Transit Mixer Co. (See Paris, Hugh P., assignor.)
- Parish, Frank P., Chicago, Ill. Machine tool. 1,694,560; Dec. 11.
- Parish, Richard L., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and sealing means therefor. 1,656,228; Jan. 17.
- Parish, Richard L., assignor to American Flange & Manufacturing Co., Chicago, Ill. Container and sealing means therefor. 1,656,229; Jan. 17.
- Parisi, Maurice, Corona, N. Y. Dental powder. 1,664,182; Mar. 27.
- Parisi, Rino, Rimer, Pa. Curtain and operating means therefor. 1,678,229; July 24.
- Park Bros. & Rogers, Inc. (See Doty, Arthur A., assignor.)
- Park, Carl P., Lewiston, Me., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Jack spool. 1,675,907; July 3.
- Park, John H., Harrisburg, Pa. Screen. 1,666,580; Apr. 17.
- Park Metalware Company. (See Zilliox, John, assignor.)
- Parke, Acel and J. R., Seattle, Wash. Auto signal. 1,679,681; Aug. 7.
- Parke, Charles S. (See Harshaw, W. J., and Parke.)
- Parke, Davis & Company. (See Dox, A. W., and Yoder, assignors.)
- Parke, Davis & Company. (See Hamilton, Cliff S., assignor.)
- Parke, Davis & Company. (See Lewis, Winford L., assignor.)
- Parke, Davis & Company. (See Lyons, Edward, assignor.)
- Parke, Davis & Company. (See Wilkie, W., and Webb, assignors.)
- Parke, Joe R. (See Parke, Acel and J. R.)
- Parke, Victor E. (See Slade, R. E., and Parke.)
- Parke, William, New York, N. Y. Oven and broiler rack handling device. 1,684,595; Sept. 18.
- Parker, Adelbert F., deceased, Ogden, Utah; W. M. Parker, administrator. Balanced pump. 1,661,195; Mar. 6.
- Parker, Alfred B., Wollaston, assignor to Waldo Bros. and Bond Company, Boston, Mass. Rod coupling. 1,689,173; Oct. 23.
- Parker, Alvah C. (See Kaddw, A., and Parker.)
- Parker, Alvah C., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Decorating apparatus. 1,665,321; Apr. 10.
- Parker, Arthur H. (See Davison, Frank G., assignor.)
- Parker Brothers, Inc. (See Parker, George S., assignor.)
- Parker Brothers, Inc. (See Richardson, Albert F., assignor.)
- Parker, C. Paul. (See Anderson, Swan F., assignor.)
- Parker, C. Paul, trustee. (See Ekstrom, Gustaf H., assignor.)
- Parker, Charles A., Haugan, assignor of one-half to G. R. Wells, Deborgia, Mont. Timer. 1,668,780; May 8.
- Parker, Charles A., Haugan, assignor of one-half to W. H. Logan, St. Regis, Mont. Hose clamp. 1,694,664; Dec. 11.
- Parker, Charles F., San Francisco, Calif., assignor to Western Safety Manufacturing Company, Inc. Switch-operating mechanism. 1,663,138; Mar. 20.
- Parker, Charles H., Codsall, England. Retort for the distillation of coal and similar carbonaceous substances. 1,687,989; Oct. 16.
- Parker, Charles H., Codsall, England. Distillation of coal and similar carbonaceous substances. 1,687,990; Oct. 16.
- Parker, Charles H., Codsall, England. Distillation of coal and similar carbonaceous substances. 1,687,991; Oct. 16.
- Parker, Charles H., Codsall, England. Apparatus for the distillation of coal and similar carbonaceous substances. 1,689,152; Oct. 23.
- Parker, Claude E., Mountain View, assignor to Parker Pencil Company, Inc., Los Angeles, Calif. Pencil-vending machine. 1,657,694; Jan. 31.
- Parker, Cyrus J., Portland, Ore. Variable feed for stokers. 1,670,518; May 22.
- Parker, Donald, Fresno, Calif. Egg-case filling and inverting apparatus. 1,677,290; July 17.
- Parker, Donald, Fresno, Calif. Washing and drying apparatus. 1,681,556; Aug. 21.
- Parker, Earl L. (See Petersen, Peter, assignor.)
- Parker, Eugene, Los Angeles, Calif. Tile. 1,694,665; Dec. 11.
- Parker, Frank W., Boise, Idaho. Lubricating gun. 1,670,210; May 15.
- Parker, Frank W., Boise, Idaho. Superpressure lubricator. 1,677,595; July 17.
- Parker, Frank W., Boise, Idaho. Shaper. 1,679,541; Aug. 7.
- Parker, Frederic C. W., Oak Park, assignor to Kiwanis International, Chicago, Ill. Badge. Des. 74,622; Mar. 6.
- Parker, George, Meriden, Conn. Electric cigar lighter. 1,665,792; Apr. 10.
- Parker, George A., Brockton, Mass. Machine for punching staples and providing the same with wood-fiber insulation. 1,663,812; Mar. 27.
- Parker, George A., Brockton, Mass. Staple. 1,695,155; Dec. 11.
- Parker, George D., Riverside, Calif. Bundle binding and tying machine. 1,671,376; May 29.
- Parker, George M., St. Louis, Mo. Furnace wall. 1,663,773; Mar. 27.
- Parker, George S., Peterborough, N. H., assignor to Parker Brothers, Inc., Salem, Mass. Card or chart game. 1,655,380; Jan. 3.
- Parker, Gordon, Colorado Springs, Colo., assignor, by mesne assignments, to The People of the United States. Caliper. 1,680,566; Aug. 14.
- Parker, Guy E. (See Seaholm, E. W., Parker, and Schadt.)
- Parker, Harry L. (See Broadbent, Charles, assignor.)
- Parker, Harry W., Brooklyn, N. Y. Ash tray. Des. 76,320; Sept. 11.
- Parker, Heber D., Niles Township, Berrien County, assignor to The Studebaker Corporation, Detroit, Mich. Apparatus for cleaning vehicle bodies. 1,654,664; Jan. 3.
- Parker, Henry C., Catasauqua, Pa., assignor to Hollywood Building Supply Co. Method of and machine for handling molded concrete blocks. 1,688,650; Oct. 23.
- Parker, Henry L., Chicago, Ill. Cable-pulling device. 1,679,490; Aug. 7.
- Parker, Howard, Berlin, N. H. Method of and machine for squeezing tube ends. 1,673,993; June 19.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Apparatus for handling tubes and the like. 1,655,381; Jan. 3.
- Parker, Howard, Berlin, N. H., assignor to Brown Company, Portland, Me. Method of and apparatus for handling and drying pulp tubes or the like. 1,681,145; Aug. 14.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Dispensing cabinet. 1,685,861; Oct. 2.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Dispensing cabinet. 1,685,862; Oct. 2.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Coupling for fiber pipes. 1,686,498; Oct. 2.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Fiber core. 1,687,586; Oct. 16.
- Parker, Howard, assignor to Brown Company, Berlin, N. H. Method of and apparatus for molding reducers for fibrous conduits. 1,689,533; Oct. 30.

- Parker, James D., Kansas City, Kans. Ventilating fan. 1,664,183; Mar. 27.
- Parker, James E., Washington, D. C. Method of and apparatus for amplifying electrical currents. 1,672,037; June 5.
- Parker, James S., Corsicana, Tex. Plow. 1,691,824; Nov. 13.
- Parker, John C., Philadelphia, Pa. Handhole cover. 1,662,279; Mar. 13.
- Parker, John C., Brooklyn, N. Y., assignor to General Electric Company. System of distribution. 1,673,635; June 12.
- Parker, Joseph N., Bedford City, Va. Tractor plow. 1,686,983; Oct. 9.
- Parker, King L., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Oil cup. 1,689,800; Oct. 30.
- Parker, Lars, assignor to Quality Hardware & Machine Co., Chicago, Ill. Hydraulic press. 1,675,513; July 3.
- Parker, Leroy, Utica, and L. B. Miller, New Hartford, N. Y. Electric water heater for water-cooled internal-combustion engines. 1,684,845; Sept. 18.
- Parker, Leslie O., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition-timer distributor. 1,678,913; July 31.
- Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Elevator or transfer device. 1,689,839; Oct. 30.
- Parker, Malcolm W., East Malvern, Victoria, Australia. Last for pump shoes. 1,660,763; Feb. 28.
- Parker, Morgan, (See Morton, H. D., and Parker.)
- Parker, Orin, Bentonville, Ark. Aeroplane landing and launching device. 1,680,473; Aug. 14.
- Parker Pen Company, The. (See Blackman, H. L., and Hjorth, assignors.)
- Parker Pen Company, The. (See Canniff, William L., assignor.)
- Parker Pen Company, The. (See Guyot, Walter, assignor.)
- Parker Pen Company, The. (See Palmer, Bernard M., assignor.)
- Parker Pencil Company. (See Parker, Claude E., assignor.)
- Parker, Philip, Woburn, Mass. Heating system. 1,658,412; Feb. 7.
- Parker, Ralzemond D., Brooklyn, N. Y., and D. B. Perry, Maplewood, N. J., assignors to American Telephone and Telegraph Company. Printing-telegraph exchange system. 1,677,983; July 24.
- Parker, Robert C., assignor of 40/100 to W. D. Cram, La Porte, Ind. Transmission gearing. 1,679,264; July 31.
- Parker Rust-Proof Company. (See Willard, H. H., and Green, assignors.)
- Parker, Samuel D., assignor to Darlo Company, Boston, Mass. Washing apparatus. 1,681,308; Aug. 21.
- Parker, Samuel P., assignor to Vann-Moore Mills Company, Franklinton, N. C. Attachment for dobby looms. 1,672,773; June 5.
- Parker, Thomas L., assignor to The Standard Electric Manufacturing Co., Chicago, Ill. Snap switch. 1,674,917; June 26.
- Parker, Thomas L., assignor to The Standard Electric Manufacturing Co., Chicago, Ill. Mail box. 1,684,513; Sept. 18.
- Parker, Thomas R. (See Howard, F. A., and Parker.)
- Parker and Waterman Manufacturing Company. (See Jellison, Roscoe B., assignor.)
- Parker, William S. (See Stevens, H. R., Parker, Shupert, and Benson.)
- Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Spring-beard-needle mechanism. 1,679,624; Aug. 7.
- Parker Wire Goods Co. (See Priest, Dwight E., assignor.)
- Parker, Wynne M., administrator. (See Parker, Adelbert F.)
- Parkburg Rig & Reel Company, The. (See Schwemlein, William, assignor.)
- Parkes, Albert W., Dundas, Ontario, Canada, assignor to Niles-Bement-Pond Company, New York, N. Y. Bearing strip for machine-tool ways. 1,685,434; Sept. 25.
- Parkes, Deric W. (See Robinson, H. W., and Parkes.)
- Parhill, James, Flint, Mich. Vehicle spring. 1,678,526; July 24.
- Parhurst, Charles E. (See Bridge, Walter G., assignor.)
- Parhurst, Charles O., Delevan, Ill. Apparatus for repairing tires. 1,659,497; Feb. 14.
- Parhurst, Raymond T., Moscow, Idaho. Protector for poultry feeders. 1,662,204; Mar. 13.
- Parkin, Albert S., Plaistow, England. Door hinge and support. 1,677,843; July 17.
- Parkinson, John J., Chicago, Ill. Heating coil for hot-water systems. 1,663,562; Mar. 27.
- Parkinson and W. & B. Cowan Limited. (See Beasley, Clifford H., assignor.)
- Parks-Cramer Company. (See Hodge, William B., assignor.)
- Parks-Cramer Company. (See Thompson, Albert W., assignor.)
- Parks, Dennis. (See Mitchell, J. E., and Parks.)
- Parks, Dennis, St. Louis, Mo. Rand bending and molding machine. 1,680,431; Aug. 14.
- Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,659,982; Feb. 21.
- Parks, Fred M., Murraysville, and G. R. Shaw, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of control. 1,682,413; Aug. 28.
- Parks, John L., jr., administrator. (See Parks, Joseph L.)
- Parks, Joseph L., deceased, by J. L. Parks, jr., administrator, Henderson, N. C. Cotton chopper. Re17,113; Oct. 23.
- Parks, Joseph L., deceased; J. L. Parks, jr., administrator, Henderson, N. C. Cotton chopper. 1,690,751; Nov. 6.
- Parks, Ostrander J., River Forest, Ill., assignor to General American Tank Car Corporation, Chicago, Ill. Valve-equipped container. 1,691,670; Nov. 13.
- Parks & Parks, Inc. (See Smith, Henry E., assignor.)
- Parks, Paul B. (See Miller, D. W., and Parks.)
- Parks, Paul B. (See Russell, E. A., and Parks.)
- Parks, Paul B., Oak Park, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Valve-operating mechanism for car-heating systems. 1,671,206; May 29.
- Parks, Robert D. (See Moss, G. R., and Parks.)
- Parks, Roland D., Lake Linden, Mich. Yieldable support. 1,677,796; July 17.
- Parks, W. H., et al. (See McMurtry, John, assignor.)
- Parks & Woolson Machine Company. (See Richardson, Charles G., assignor.)
- Parlongue, Edgard H. C. J., Brussels, Belgium. Moving footway. 1,671,207; May 29.
- Parmelee, Walter B., Minneapolis, Minn. Merchandise-display device and container. 1,668,572; May 8.
- Parmelee, Alfred E. (See Calcott, W. S., Parmelee, and Lorrman.)
- Parmelee, Alfred E., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of beta-naphthol-1-sulphonic acid. 1,662,396; Mar. 13.
- Parmelee, Alfred E., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of triarylguanidines. 1,662,397; Mar. 13.
- Parmelee, Charles L. (See Isom, W., and Parmelee.)
- Parmelee, Charles L., Orange, N. J., and E. W. Isom, Winnetka, assignor to Sinclair Refining Company, Chicago, Ill. Cracking oils. 1,675,575; July 3.
- Parmenter, Bert N., Lake Forest, Ill. Window ventilator. 1,672,655; June 5.
- Parmenter, George E., New York, N. Y., assignor to The American Crayon Company, Sandusky, Ohio. Display container. 1,676,917; July 10.
- Parodi, Angelo C., Jersey City Heights, N. J. Toaster and broiler. 1,682,683; Aug. 28.
- Parolini, Cesare, Le Vesinet-Seine et Oise, and G. Perron, Paris, France. Sound-reproducing apparatus for disk-record talking machines. 1,655,196; Jan. 3.
- Parr, Clarence J., Hannibal, Mo. Automobile jack. 1,661,444; Mar. 6.
- Parr, George T., St. Paul, Minn. Ice-cream disher. 1,677,984; July 24.
- Parr, George T., St. Paul, Minn., assignor, by mesne assignments, to Pi-Alamoder, Inc., St. Louis, Mo. Ice-cream scoop. 1,688,595; Oct. 23.
- Parr, Robert L. (See Goodwin, J. J., and Parr.)
- Parrett, Dent, Chicago Heights, Ill. Two-wheeled tractor for cultivators and other machines, and constructing same. 1,690,205; Nov. 6.
- Parrigin, Homer P., Gates, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Valve. 1,659,743; Feb. 21.
- Parrish-Alford Fence and Machine Company, The. (See Diggins, John W., assignor.)
- Parrish, Benjamin E. (See Morrison, Frances H., assignor.)
- Parrish, Benjamin E., Honey Grove, assignor of one-third to D. W. Maurer, Dallas, Tex., and one-third to N. S. von Phul, Tampico, Mexico. Oil saver. 1,654,994; Jan. 3.
- Parrish, Benjamin E., Honey Grove, assignor of one-half to D. W. Maurer, Dallas, Tex. Oil-saving and line-clamping device. 1,655,159; Jan. 3.
- Parrish, Harry B. (See Vanderveld, Anthony, assignor.)
- Parrish, William C., Port Arthur, Tex. Deep-well pump. 1,692,050; Nov. 20.
- Parrish, William C., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for controlling cracking stills. 1,690,243; Nov. 6.
- Parrott, D. R. (See Thrower, Marion R., assignor.)
- Parry, Charles, and H. Guinard, New York, N. Y. Tea-kettle. 1,660,174; Feb. 21.
- Parry, George W., Philadelphia, Pa.; R. Parry, administrator. Hosiery protector. 1,677,683; July 17.
- Parry, Nathaniel G., assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,664,633; Apr. 3.
- Parry, Robert R., Elmhurst, assignor of one-half to C. H. Fowler, New York, N. Y. Drinking-glass-washing apparatus. 1,662,205; Mar. 13.
- Parry, Robert R., Elmhurst, assignor of one-half to C. H. Fowler, New York, N. Y. Apparatus for drying and polishing drinking glasses. 1,667,739; May 1.
- Parry, Rose, administrator. (See Parry, George W.)
- Parsels, William B., Pleasantville, N. J. Casket-retaining device. 1,663,172; Mar. 20.
- Parshall, Dallas D. (See Lorange, H. R., and Parshall.)
- Parshall, Dallas D., Detroit, Mich. Compressor pump. 1,661,266; Mar. 6.

- Parshall, Dallas D., Glenbrook, assignor to The Jack Frost Company, Stamford, Conn. Pressure-reducing valve. 1,674,262; June 19.
- Parson, Ben G., South Bend, Ind., assignor to The Bendix Brake Company. Adjustable cam for brakes. 1,664,828; Apr. 3.
- Parson, Walter. (See Weimer, A. W., and Smith, assignors.)
- Parsons, A. B. (See Payne, William H., assignor.)
- Parsons, Arthur W., Miami, Fla. Safety device for doors. 1,694,394; Dec. 11.
- Parsons, Charles A., Newcastle-on-Tyne, England. Mirror, reflector, and the like. 1,685,032; Sept. 18.
- Parsons, Charles A., and S. S. Cook, Newcastle-upon-Tyne, England; said Cook assignor to said Parsons. Elastic drive. 1,693,765; Dec. 4.
- Parsons, Charles A., and H. M. Duncan, Newcastle-on-Tyne, England; said Duncan assignor to said Parsons. Casting of ingots. 1,671,253; May 29.
- Parsons, Charles A., and J. Rosen, Newcastle-on-Tyne, England, said Rosen assignor to said Parsons. Air-cooling apparatus. 1,682,183; Aug. 28.
- Parsons, Charles A., and J. Rosen, Newcastle-on-Tyne, England; said Rosen assignor to said Parsons. Insulation of conductors used in electrical apparatus. 1,685,722; Sept. 25.
- Parsons, Charles A., J. Rosen, A. W. Grey, and B. Blair, Newcastle-on-Tyne, England; said Rosen, said Grey, and said Blair assignors to said Parsons. Electrical conductor. 1,655,106; Jan. 8.
- Parsons, Charles A., J. Rosen, A. W. Grey, and R. W. Midgley, Newcastle-on-Tyne, England; said Rosen, Grey, and Midgley assignors to said Parsons. Stranded cable. 1,677,458; July 17.
- Parsons, Charles A., J. Rosen, A. W. Grey, and R. W. Midgley, Newcastle-on-Tyne, England, said Rosen, said Grey, and said Midgley assignors to said Parsons. Stranded cable. 1,677,459; July 17.
- Parsons, Charles E., assignor to Metal Research Corporation, New York, N. Y. Making substantially pure hydrogen. 1,658,939; Feb. 14.
- Parsons, Charles E., Englewood, N. J., assignor to W. P. Deppe, New York, N. Y. Preparing a dry gaseous-fuel mixture for internal-combustion engines. 1,663,507; Mar. 20.
- Parsons Company, The. (See Vaughn, George A., assignor.)
- Parsons, Edward T., Upper Montclair, N. J., assignor to Thomson Machine Company. Adjustable blade-roll cutter. 1,668,819; May 8.
- Parsons, Ernest P., deceased; W. M. Baldwin, administrator, assignor to The Parsons & Parsons Company, Cleveland, Ohio. Neckwear. 1,687,177; Oct. 9.
- Parsons, John, Newton Center, Mass. Cigarette case. 1,665,752; Apr. 10.
- Parsons, John H., Pontiac, Mich. Ventilator for vehicles. 1,664,829; Apr. 3.
- Parsons, John H., Pontiac, Mich. Window regulator. 1,686,171; Oct. 2.
- Parsons, John W., Creston, Wash. Fruit gatherer. 1,674,518; June 19.
- Parsons, Lewis W., Shirley, Mass. Combined chair and couch. 1,656,230; Jan. 17.
- Parsons, Lucius E., East Cleveland, Ohio. Instrument-board lamp for motor vehicles. 1,656,646; Jan. 17.
- Parsons & Parsons Company, The. (See Parsons, Ernest P., assignor.)
- Parsons, Philip D., Philadelphia, Pa., assignor to Scott Paper Company. Unloading device for slitter and re-winding machines. 1,675,863; July 3.
- Parsons, Robert J., Schenectady, N. Y., assignor to General Electric Company. Turnstile-control mechanism. 1,688,746; Oct. 23.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Bolt guide. 1,666,751; Apr. 17.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Box-strap-tightening device. 1,675,420; July 3.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Tool for cutting box strapping and the like. 1,677,684; July 17.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Forming a hinge leaf. 1,692,753; Nov. 20.
- Parsons, William A., Fort Atkinson, Wis. Cap for silos. 1,695,502; Dec. 18.
- Parsons, Winslow A., Wellesley, Mass., assignor to Richmond Lace Works, Inc., Alton, R. I. Lace. Des. 77,327; Dec. 25.
- Parsons, Winslow R., San Diego, Calif. Device for adjusting casement windows. 1,690,127; Nov. 6.
- Partell, Fred C., Island Pond, Vt. Blotter holder. 1,692,384; Nov. 20.
- Partington, Jack A., San Francisco, Calif. Theatrical novelty. 1,670,739; May 22.
- Partlow, Childs C., Rock Hill, S. C. Poultry-feeding device. 1,673,758; June 12.
- Partos, Francis, London, England. Magazine pencil. 1,685,374; Sept. 25.
- Partridge, Edwin M., Hammond, Ind., and E. W. Scarritt, Oak Park, Ill., assignors to Paige & Jones Chemical Co. Inc., New York, N. Y. Preparing an artificial base exchange substance and the product thereof. 1,656,604; Jan. 17.
- Parts Corporation. (See Kelly, Bert F., assignor.)
- Parts Corporation. (See Winkler, Louis G., assignor.)
- Parys, Andy, Canton, Ohio. Shearing machine. 1,663,092; Mar. 20.
- Pasch, Hugo, Solingen, Germany. Underlayer for safety-razor blade to be wrapped therewith in an envelope. 1,654,554; Jan. 3.
- Paschen, Harold F., New York, N. Y., assignor to American Telephone and Telegraph Company. Feeding device for belt conveyers. 1,658,095; Feb. 7.
- Paschen, Harold F., New York, N. Y., assignor to American Telephone and Telegraph Company. Unloading device for belt conveyers. 1,658,096; Feb. 7.
- Paschen, Harold F., New York, and E. F. De Potter, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Paper-conveying system. 1,658,094; Feb. 7.
- Paschen, Paul, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Temperature-compensating device. 1,687,686; Oct. 16.
- Pascoe, Alex., Bronx, N. Y. Honing and stropping device. 1,696,778; Dec. 25.
- Pashigian, Bagсар, Haverhill, Mass., and H. J. Gallant, Exeter, N. H. Attachment for utilizing shoe-sewing machines to stick a cold-process tape on shoes to reinforce same. 1,695,605; Dec. 18.
- Pasini, Jerome, New York, N. Y. Ship. 1,696,053; Dec. 18.
- Paskal, John A., Los Angeles, Calif. Shoe-sole mat. 1,670,867; May 22.
- Pasqué, Ernest H., Detroit, Mich. Massage apparatus. 1,657,765; Jan. 31.
- Pass & Seymour, Inc. (See Hagopian, Vahan, assignor.)
- Pass & Seymour, Inc. (See Morey, Harry J., assignor.)
- Pass & Seymour, Inc. (See Russell, Mark N., assignor.)
- Pass & Seymour, Inc. (See Thompson, Don N., assignor.)
- Passaic Metal Ware Company. (See Aulbach, Charles J., assignor.)
- Passaic Metal Ware Co. (See Gueritey, Charles, assignor.)
- Passafume, Giovanni, Portland, Oreg. Shoe-dressing machine. 1,656,291; Jan. 17.
- Passmore, Hayes M., Oakland, Calif. Variable-speed transmission. 1,683,258; Sept. 4.
- Passmore, William O. (See Ostline, J. E., and Passmore.)
- Passmore, William O., Liverpool, England, assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,688,651; Oct. 23.
- Pasternack, Richard, assignor to Charles Pfizer & Company, Brooklyn, N. Y. Laxative. 1,681,361; Aug. 21.
- Pasternack, Richard, assignor to Charles Pfizer & Company, Brooklyn, N. Y. Preparing cinchophen. 1,690,128; Nov. 6.
- Pastor, Carlos T., Port Washington, N. Y. Imitation fur and making the same. 1,662,470; Mar. 13.
- Pastore, Lorenzo D., Buenos Aires, Argentina. Device for saving liquid fuels and the like. 1,669,067; May 8.
- Pastrňák, Anton, Velké Kuncice, Czechoslovakia. Feeding device for furnaces. 1,679,874; Aug. 7.
- Pataki, Alexander, Bloomsburg, Pa. Sponge holder. 1,660,351; Feb. 28.
- Patch, Fred R., Rutland, Vt. Stone-sawing machine. 1,685,863; Oct. 2.
- Patch, Fred R., Rutland, Vt. Stone-sawing machine. 1,685,864; Oct. 2.
- Patch, Harry M., Seattle, Wash. Resilient wheel. 1,660,522; Feb. 28.
- Patch, Harry M., Seattle, Wash. Resilient wheel. 1,684,596; Sept. 18.
- Patch, James A., Stoneham, Mass. Apparatus for removing oil from cod livers. 1,678,123; July 24.
- Patchin, Elno H., Minneapolis, Minn. Recording device and using the same. 1,656,227; Jan. 17.
- Pate, George D., Akron, assignor of thirty-four hundredths to D. Neal, Kenmore, and one-fourth to S. Myers, Akron, Ohio. Battery terminal. 1,661,497; Mar. 6.
- Pate, John L., Madisonville, Ky. Meat block and clamp. 1,671,445; May 29.
- Patelski, Erich J., Chicago, Ill. Dishwashing apparatus. 1,658,413; Feb. 7.
- Patelski, Erich J., Chicago, Ill. Swing-spout faucet. 1,662,620; Mar. 13.
- Patent Button Company, The. (See Purinton, Forrest G., assignor.)
- Patent-Treerhand-Gesellschaft fur elektrische Glühlampen m. b. H. (See Thomas, Max, assignor.)
- Patentverwertungs Aktiengesellschaft "Alpina." Societe Anonyme pour l'Exploitation des Brevets "Alpina." Patents Exploitation Company "Alpina" Ltd. (See Cederberg, Ivar W., assignor.)
- Pater, Carl J., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Expansion-joint material. 1,665,718; Apr. 10.
- Paterson, Charles J., Cleveland, Ohio. Golf cup. 1,691,935; Nov. 20.
- Paterson, John C., and G. R. Baker, London, England, assignors to Baker Perkins Company, Incorporated, New York, N. Y. Apparatus for sorting and stacking biscuits and other articles. 1,685,335; Sept. 25.
- Paterson, Russell S., Mobile, Ala. Preparing tannic-acid compositions. 1,690,175; Nov. 6.
- Pathe Exchange, Inc. (See Chanier, Gaston L., assignor.)
- Pathe Exchange, Inc. (See Warner, Sterling W., assignor.)

- Pathe Phonograph & Radio Corporation. (See Lewis, Frank D., assignor.)
- Pathe Phonograph & Radio Corporation. (See Wilmann, E. A., and Lewis, assignors.)
- Pathfinder Accessories Corporation, The. (See Savasky, Albert A., assignor.)
- Paterno, John, Schenectady, N. Y. Safety cock. 1,669,305; May 8.
- Patino, Carlos E., New York, N. Y. Circuit-controlling device. 1,688,878; Oct. 23.
- Patnaude, William E., Stoughton, Mass., assignor to The Shallock Company, Philadelphia, Pa. Dispensing faucet. 1,689,961; Oct. 30.
- Patocka, Johann, Altona, near Hamburg, Germany, assignor to M. Sommer, East Rutherford, N. J. Game. 1,674,791; June 26.
- Paton, Clyde R., assignor to The Studebaker Corporation, South Bend, Ind. Automobile construction. 1,658,612; Feb. 7.
- Patrick, Henry E. (See Pounds, H., and Patrick.)
- Patrick, Isaac, Jamaica, N. Y. Composite blade for scissors. 1,696,323; Dec. 25.
- Patrick, Joshua, Detroit, Mich. Temperature-compensating spring. 1,665,322; Apr. 10.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Gel and preparing the same. 1,682,239; Aug. 28.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Preparing stannic-oxide gels. 1,682,240; Aug. 28.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Making aluminum-oxide gels. 1,682,241; Aug. 28.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Making titanium-oxide gels. 1,682,242; Aug. 28.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Catalytic agent and preparing the same. 1,695,740; Dec. 18.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Catalytic and adsorbent gel. 1,696,644; Dec. 25.
- Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Catalytic and adsorbent gel. 1,696,645; Dec. 25.
- Patrick, Walter A., and E. H. Barclay, assignors to The Silica Gel Corporation, Baltimore, Md. Preparing tungsten oxide gel. 1,683,695; Sept. 11.
- Patrick, Walter A., and E. B. Miller, assignors to The Silica Gel Corporation, Baltimore, Md. Manufacturing sulphuric acid. 1,683,694; Sept. 11.
- Patrick, Walter A., Mount Washington, and E. B. Miller, assignors to The Silica Gel Corporation, Baltimore, Md. Refining oils and waxes. 1,678,298; July 24.
- Patrol Valve Company, The. (See Te Pas, Edmund J., assignor.)
- Patrouilleau, Louis G., assignor to Société Alumine et Dérivés, Paris, France. Manufacture of sulphate of aluminum. 1,692,692; Nov. 20.
- Patrouilleau, Louis G., assignor to Société Alumine et Dérivés, Paris, France. Manufacture of aluminous cement. 1,694,338; Dec. 4.
- Pattay, Marc A. and E. Jaquemot, Geneva, assignors to Magnétas Lucifer Société Anonyme, Carouge-Geneva, Switzerland. Inductor for magneto-electric machines. 1,686,343; Oct. 2.
- Patten, Charles H., assignor to The Traylor Engineering & Manufacturing Company, Allentown, Pa. Spring suspension for automobiles or trucks. 1,662,327; Mar. 13.
- Patten, Ernest L. O., Lakewood, Ohio, and R. E. Patten, Detroit, Mich. Window. 1,678,479; July 24.
- Patten, George M., Detroit, Mich. Toy piano and operating same. 1,667,078; Apr. 24.
- Patten, John S., Madison, N. J. Breather cover for tanks. 1,693,958; Dec. 4.
- Patten, Julius, Duisburg, Germany. Shin-bone-protecting shield for sports. 1,689,558; Oct. 30.
- Patten, Raymond E. (See Patten, Ernest L. O. and R. E.)
- Patten, Raymond E., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,672,279; June 5.
- Patterson, Benjamin G., Oklahoma City, Okla. Dispensing cabinet. 1,693,458; Nov. 27.
- Patterson, Charles E., Jacksonville, Ill. Invalid bed. 1,660,394; Feb. 28.
- Patterson, Charley T., and H. W. Young, Springfield, Mo. Egg tray. 1,672,774; June 5.
- Patterson, Clare B. (See Murry, J. T., and Patterson.)
- Patterson, Edgar W., Los Angeles, Calif. Pressure-packed pump. 1,665,473; Apr. 10.
- Patterson, Edgar W., Long Beach, Calif. Tandem single-acting pump. 1,665,639; Apr. 10.
- Patterson, Elam D., Coshocton, Ohio, assignor to James B. Clow and Sons, Chicago, Ill. Machine for ramming molds and the like. 1,696,250; Dec. 25.
- Patterson, Ernest G., Chicago, Ill. Lamp-shade construction. 1,675,514; July 3.
- Patterson, Frank W., Arlington, N. J., assignor to General Electric Company. Lamp-making machine. 1,662,045; Mar. 6.
- Patterson, Harold L. (See Ernst, J., Fehninger, and Patterson.)
- Patterson, Harry R. (See Gilchrist, C. F., and Patterson.)
- Patterson, James C., East Orange, and J. H. Lynch Jr., Jersey City, N. J. Switch-point protector. 1,661,733; Mar. 6.
- Patterson, M. F., Dental Supply Co. (See Andresen, Lauritz B., assignor.)
- Patterson, Martin L., Bogota, N. J., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Searchlight safety mechanism. 1,690,550; Nov. 6.
- Patterson, Martin L., Bogota, N. J., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Radio direction and position finder. 1,692,051; Nov. 20.
- Patterson, Martin L., Bogota, N. J., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Safety stop for searchlights. 1,694,039; Dec. 4.
- Patterson, Reginald H., assignor to Fuelco Corporation, Washington, D. C. Oil burner. 1,662,895; Mar. 20.
- Patterson, Sanford S., assignor to May P. Goodrum, Atlanta, Ga. Stone-sawing machine. 1,674,519; June 19.
- Patteson, Donald C. (See Young, M. N., and Patteson.)
- Patti, Sebastian. (See Newton, George F., assignor.)
- Pattillo, Helen W. (See Baker, G. L., and Pattillo.)
- Pattinson, William, Derby, England. Door. 1,678,952; July 31.
- Pattison, Albert W., Lockport, N. Y. Combined bumper and headlight. 1,655,841; Jan. 10.
- Pattison, William L., Kansas City, Mo. Grating. 1,658,901; Feb. 14.
- Patton, Eber H., Longwood, Miss. Nut-cracking machine. 1,693,493; Nov. 27.
- Patton, Ethel M., administratrix. (See Patton, Francis M.)
- Patton, Francis M., deceased, Washington, D. C.; E. M. Patton, administratrix. Refrigerator car. 1,659,541; Feb. 14.
- Patton, George, Bicknell, Ind. Magazine hammer. 1,678,680; July 31.
- Patton, John W., Meridian, Miss. Cotton chopper. 1,655,509; Jan. 10.
- Patton, William, Chicago, Ill. Adjustable level and plumb device. 1,657,546; Jan. 31.
- Patton, William H., assignor to Old Hickory Furniture Company, Martinsville, Ind. Chair. 1,674,375; June 19.
- Patton, William H., assignor to Old Hickory Furniture Company, Martinsville, Ind. Stand or support for swings. 1,677,844; July 17.
- Patzer, Edward, Milwaukee, Wis. Rim lock. 1,660,809; Feb. 28.
- Paul, Abram F., Llanerch, Pa., assignor to National Pneumatic Company, New York, N. Y. Push-button apparatus for multiple-unit door-control systems. 1,676,743; July 10.
- Paul, Andrew, Philadelphia, Pa. Candle-holding bracket. Des. 74,986; Apr. 24.
- Paul, James E., Charlotte, N. C. Antifreeze composition. 1,689,153; Oct. 23.
- Paul, Jennie H. (See Paul, William R. and J. H.)
- Paul, Leon R., New York, N. Y. Toy. 1,676,410; July 10.
- Paul, Stephen, Lansing, Mich., assignor to one-half to S. H. Davis. Tie-rod fastening. 1,692,565; Nov. 20.
- Paul, Sydney, assignor to Superior Motor Coach Body Co., Lima, Ohio. Chair seat. 1,657,896; Jan. 31.
- Paul, Sydney, assignor to Superior Motor Coach Body Co., Lima, Ohio. Motor-coach chair. 1,674,564; June 19.
- Paul, William B., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,688,747; Oct. 23.
- Paul, William B., Schenectady, N. Y., assignor to General Electric Company. Transformer. 1,688,748; Oct. 23.
- Paul, William F., Philadelphia, Pa. Engine. 1,675,129; June 26.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Orchard plow. 1,663,668; Mar. 27.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Ridger. 1,663,813; Mar. 27.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Tripping device for power-lift plows. 1,667,130; Apr. 24.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Hitch device. 1,675,461; July 3.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Side-draft control for tractors. 1,685,375; Sept. 25.
- Paul, William R. and J. H., Amarillo, Tex. Combined mop and wringer. 1,666,346; Apr. 17.
- Paulding, John I., Inc. (See Johnson, Gustaf A. and F. E., assignors.)
- Paulett, William H. (See Mercer, R., Paulett, and Tench.)
- Paulin, Josua G., Stockholm, Sweden. Apparatus for measuring variable forces. 1,681,309; Aug. 21.
- Paulin, Josua G., Stockholm, Sweden. Apparatus for measuring variable forces. 1,690,455; Nov. 6.
- Paulson, William L., Jr., Hackensack, N. J., assignor to General Electric Company. Flow meter. 1,674,481; June 19.
- Paul, James, and A. A. Miller, assignors to The Eagle Manufacturing Company, Wellsburg, W. Va. Candy container. Des. 76,259; Sept. 4.
- Paul, John J., assignor to Eagle Manufacturing Company, Wellsburg, W. Va. Flowerpot holder. Des. 76,321; Sept. 11.
- Paul, Roy B., Seattle, Wash. Atomizing device. 1,685,293; Sept. 25.

- Paulson, Arthur. (See Riederer, H. S., and Paulson.)
- Paulson, Arthur, assignor to Harvard Holding Corporation, New York, N. Y. Extensible link. 1,669,346; May 8.
- Paulson, Arthur, and H. S. Riederer, New York, N. Y. Container. 1,656,497; Jan. 17.
- Paulson, Charles J., Brooklyn, N. Y. Delivery apparatus. 1,696,447; Dec. 25.
- Paulson, Charles J., assignor of one-third to M. V. O'Malley, Brooklyn, N. Y. Coin-selecting mechanism. 1,676,914; July 10.
- Paulson, Helmer R., La Grange, Ill. Gauge. 1,657,547; Jan. 31.
- Paulson, Paul S. (See Page, George E., assignor.)
- Paulson, William B., Wilmette, Ill. Counting scale. 1,660,089; Feb. 21.
- Paulus, Charles L. (See Kauch, R., and Paulus.)
- Paulus, Charles L. (See Russell, H. O., and Paulus.)
- Paulus, Charles L., Dayton, Ohio. Adjustable wind-vane sight. 1,676,963; July 10.
- Paulus, Charles L., and R. Kauch, Dayton, Ohio. Eye-piece for gun sights. 1,668,975; May 8.
- Paulus, Charles L., and R. Kauch, Dayton, Ohio. Hose-nozzle guard. 1,693,459; Nov. 27.
- Paulus, Charles L., Dayton, Ohio, and R. Kauch, U. S. Army. Ammunition-feed mechanism for machine guns. 1,693,460; Nov. 27.
- Paulus, Herman W., Richmond Hill, N. Y., assignor to Royal Baking Powder Company. Heat-transmission tube. 1,671,446; May 29.
- Pauly, Charles, Port Washington, Wis. Vat. 1,693,249; Nov. 27.
- Pauly, Robert C., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Two-hand control. 1,679,917; Aug. 7.
- Pavek, William J., Cicero, Ill. Shock absorber. 1,694,949; Dec. 11.
- Pavelka, Joseph. (See Delf, George A., assignor.)
- Pavia, Luigi, Allentown, Pa. Shuttle. 1,666,540; Apr. 17.
- Pawlikowski, Rudolf, Gortitz, Germany. Solid-fuel internal-combustion engine and operation thereof. 1,656,678; Jan. 17.
- Pawling, George F., Philadelphia, Pa. System of building construction. 1,658,613; Feb. 7.
- Pawling, George F., Philadelphia, Pa. Attaching means for steel laths. 1,662,896; Mar. 20.
- Pawling, Henry J., and H. A. Crispin, assignors to Salem Glass Works, Salem, N. J. Nonpull plunger for bottle-making machines. 1,670,821; May 22.
- Pawnee Wood Heel Co. (See Green, John W., assignor.)
- Pawsat, Ewald F., Maysville, Ky., assignor to Wald Manufacturing Company. Bicycle repair plate. 1,685,882; Oct. 2.
- Paxflat Barrel & Crate Corporation. (See Wilkes, William D., assignor.)
- Paxon, James. (See Varkas, Aris, N., and J. B., and Paxon.)
- Paxon, Oliver E., assignor to Street Luminaire Company, Chicago, Ill. Lantern. Des. 76,549; Oct. 9.
- Paxson, Russell C. (See Freese, F. G., and Paxson.)
- Paxson, Walter R., Glenside, assignor, by mesne assignments, to A. H. Fox Gun Company, Philadelphia, Pa. Toy shotgun. 1,671,541; May 29.
- Paxton, Benjamin H., Gassaway, W. Va. Car replacer. 1,656,231; Jan. 17.
- Paxton, Clifford M., Brooklyn, N. Y., assignor to Paxton Corporation of America. Propelling system and method. 1,662,206; Mar. 13.
- Paxton, Clifford M., Brooklyn, N. Y., assignor to Paxton Gyroscope Corporation. Lubricating system for gyroscopes and other apparatus. 1,687,632; Oct. 16.
- Paxton Corporation of America. (See Paxton, Clifford M., assignor.)
- Paxton Gyroscope Corporation. (See Paxton, Clifford M., assignor.)
- Paye & Baker Manufacturing Co. (See Gordon, Allan A., assignor.)
- Payet, Jerome, Woodcliff, N. J. Creping silk fabrics. 1,668,694; May 8.
- Payette, John T., Penetanguishene, Ontario, Canada. Lath mill. 1,660,885; Feb. 28.
- Payette, Joseph A., assignor to S. O. Bigney Company, Attleboro, Mass. Bracelet. 1,676,706; July 10.
- Payman, Joseph B., and H. Wigouall, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of sulphonamides of 2,3-hydroxynaphtholic arylides. 1,663,725; Mar. 27.
- Payn, Harold J., Weybridge, assignor to Vickers Limited, Westminster, England. Automatic gun carried by aircraft. 1,691,494; Nov. 13.
- Payn, Harold J., Weybridge, assignor to Vickers Limited, Westminster, England. Automatic gun carried by aircraft. 1,691,495; Nov. 13.
- Payne, Alice B. (See Smith, George, assignor.)
- Payne, Arthur, Kew Gardens, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation. Picture screen. 1,672,656; June 5.
- Payne, Arthur C., assignor to Packers' Supply Company Limited, London, England. Apparatus for tensioning and sealing metal bands around packing cases and other packages. 1,665,323; Apr. 10.
- Payne, Caleb, Chicago, Ill., assignor to Gypsum Engineering and Manufacturing Co. Manufacture of blocks. 1,661,007; Feb. 28.
- Payne, Caleb, assignor to Gypsum Engineering & Manufacturing Company, Chicago, Ill. Machine for and process of molding blocks. 1,661,008; Feb. 28.
- Payne, Caleb, assignor to Gypsum Engineering & Manufacturing Company, Chicago, Ill. Gypsum building block. 1,661,009; Feb. 28.
- Payne, Caleb, assignor to Gypsum Engineering and Manufacturing Co., Chicago, Ill. Machine for mixing gypsum stucco. 1,690,176; Nov. 6.
- Payne, Clarence E., Empire, Colo. Ore-grinding machine. 1,656,756; Jan. 17.
- Payne Ellen D., Brooklyn, N. Y. Eyebrow pencil. 1,693,990; Dec. 4.
- Payne, El Roy L., assignor to Payne Furnace and Supply Company, Los Angeles, Calif. Electrical gas-igniting device. 1,657,638; Jan. 31.
- Payne, El Roy L., assignor to Payne Furnace and Supply Company, Beverly Hills, Calif. Gas furnace. 1,676,665; July 10.
- Payne, Erle V., Oakland, Calif. Feeding water into washing machines. 1,661,445; Mar. 6.
- Payne Furnace and Supply Company. (See Pace, Edgar J., assignor.)
- Payne Furnace and Supply Company. (See Payne, El Roy L., assignor.)
- Payne, Halsey D., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Washing-machine drive. 1,677,291; July 17.
- Payne, Halsey D., A. W. De Clerque, and S. T. Sjöberg, Chicago, Ill., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Washing machine with folding wringer. 1,664,223; Mar. 27.
- Payne, Harold T., Sacramento, and F. R. Young, Quincy, Calif. Binder post. 1,690,456; Nov. 6.
- Payne, Hugh W., Toronto, Ontario, Canada, assignor to Taylor Instrument Companies, Rochester, N. Y. Indicator and recorder. 1,674,792; June 26.
- Payne, John S., Midland Park Borough, N. Y. Railroad snowplow. 1,657,766; Jan. 31.
- Payne, L. Roy, assignor to Sunland Sales Cooperative Association, Fresno, Calif. Paper-bag package. 1,657,639; Jan. 31.
- Payne, Marshall J., assignor to The Payne Valve Corporation, Staunton, Va. Tire valve. 1,671,123; May 29.
- Payne, Marshall J., assignor to The Payne Valve Corporation, Staunton, Va. Tire valve. 1,675,990; July 3.
- Payne, Minton M., et al. (See Daniels, C. W., and Carpenter, assignors.)
- Payne, Nora D., New York, N. Y. Device for projecting marbles and the like. 1,678,527; July 24.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Revolving means for regularly actuated transfer mechanism. 1,663,919; Mar. 27.
- Payne, Oscar V., and R. G. Turner, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Give way for weft-replenishing mechanism. 1,663,951; Mar. 27.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slipping weft detector for looms. 1,695,384; Dec. 18.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pick-out device for looms. 1,695,385; Dec. 18.
- Payne, Oscar V., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picker-rod lubricator for looms. 1,695,386; Dec. 18.
- Payne, Paul D., Irvington, assignor to Edison Storage Battery Company, West Orange, N. J. Electric safety lantern. 1,678,351; July 24.
- Payne, Thomas F., Pittsburgh, Pa. Flush valve. 1,660,352; Feb. 28.
- Payne Valve Corporation, The. (See Payne, Marshall J., assignor.)
- Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Printing apparatus. Re16,899; Mar. 13.
- Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Check writer. 1,661,384; Mar. 6.
- Payne, Warren R. (See Fischer, J. J., and Payne.)
- Payne, William H., assignor of one-fourth to A. B. Parsons, Eagle Grove, Iowa. Lineman's staff. 1,655,876; Jan. 10.
- Paynter, Horace J. (See Smith, E. L., and Paynter.)
- Payton, Bernard H., Providence, R. I. Automobile arm rest. Des. 76,952; Nov. 20.
- Payton, James L., Jefferson City, Mo. Chain fastener. 1,678,575; July 24.
- Payton, James R. (See Feike, L. V., and Payton.)
- Payton & Kelley Co. (See Rowan, Albert J., assignor.)
- Pazowski, Andrew P., Edmonton, Alberta, Canada. Buttonless drawers. 1,662,981; Mar. 20.
- Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)
- Peabody Engineering Corporation. (See Quiroz, F. A., and Peabody, assignors.)
- Peabody Engineering Corporation. (See Stewart, Clarence R., assignor.)
- Peabody, Ernest H. (See Quiroz, F. A., and Peabody.)
- Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Method and apparatus for control of the burning of liquid fuel. 1,683,371; Sept. 4.

- Peabody, James C., Boston, Mass. Waterproof yarn and making same. 1,663,953; Mar. 27.
- Peabody Leather Company. (See Anderson, Iver, assignor.)
- Peabody, Lloyd, Decatur, Ill. Bathing table for infants. 1,663,609; Mar. 27.
- Peabody, Russell S., and L. A. Dunnuck; said Russell S. Peabody, assignor to S. Peabody, Leavenworth, Kans. Road drag and grader. 1,657,897; Jan. 31.
- Peabody, S. (See Peabody, R. S., and Dunnuck, assignors.)
- Peabody, William, Detroit, Mich. Apparatus for building construction. 1,668,599; May 8.
- Peace, John D., Peterborough, Ontario, Canada. Figure toy. 1,657,175; Jan. 24.
- Peach, Wasyll. (See Corser, F., and Peach.)
- Peacock, Charles M., Oak Park, Ill. Time-controlled apparatus. 1,667,356; Apr. 24.
- Peacock, Elisha L., assignor to G. A. Peacock, San Francisco, Calif. Shock absorber. 1,667,011; Apr. 24.
- Peacock, George A. (See Peacock, Elisha L., assignor.)
- Peacock, George A., San Francisco, Calif. Rim-locking structure for metallic wheels. 1,659,154; Feb. 14.
- Peacock, George A., Oakland, Calif. Shock absorber. 1,667,047; Apr. 24.
- Peacock, James V. L., Columbus, Ga. Tractor-driven skidder. 1,688,984; Oct. 23.
- Peacock, Robert A., Delaware City, Del. Kick bike. 1,685,614; Sept. 25.
- Peaden, William H., assignor to R. D. Donnelly and B. R. Graham, Tulsa, Okla. Faucet. 1,668,952; Mar. 27.
- Peaden, William H., assignor to R. D. Donnelly and B. R. Graham, Tulsa, Okla. Dust-proof oil-dispensing vessel. 1,676,411; July 10.
- Peak, Warner L., Los Angeles, Calif., assignor to American Telephone and Telegraph Company. Auxiliary dialing tool. 1,694,429; Dec. 11.
- Peake, Edward S., Westerville, Ohio. Toy pistol. 1,660,175; Feb. 21.
- Peake, Edward S., assignor to The Kilgore Mfg. Co., Westerville, Ohio. Toy pistol. 1,671,447; May 29.
- Peake, Roberto M., et al. (See Weiting, W. W., and Henry, assignors.)
- Peale-Davis Company. (See Davis, Kenneth, assignor.)
- Peale, Rembrandt, et al., trustees. (See Davis, Kenneth, assignor.)
- Peale, Rembrandt, Jr., et al. (See Eyermann, Peter, assignor.)
- Peale, Rembrandt, et al., trustees. (See Peale, Richard, assignor.)
- Peale, Richard, et al., trustees. (See Davis, Kenneth, assignor.)
- Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Rembrandt Peale, W. S. Davies, and W. S. Wallace, trustees. Mining and conveying machine. 1,658,781; Feb. 7.
- Pearce, David, Los Angeles, Calif. Broken-tap extractor. 1,683,796; Sept. 11.
- Pearce, Francis G. (See McNeil, U. H., and Pearce.)
- Pearce, H. E. (See Daniel, Earle H., assignor.)
- Pearce, Hollingsworth, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Escutcheon plate. Des. 75,583; June 19.
- Pearce, John H., Seattle, Wash. Internal-combustion engine. 1,670,549; May 22.
- Pearce, Louis M., assignor to Texas Iron Works Sales Corporation, Houston, Tex. Pipe-holding slip. 1,659,783; Feb. 21.
- Pearce, Peter D., Grand Rapids, Mich. Ice-cream dispenser. 1,661,734; Mar. 6.
- Pearce, William L., assignor to Texas Iron Works, Houston, Tex. Tubing holder. 1,670,690; May 22.
- Pearcey, Leslie M. (See Shearon, C. E., Alexander, and Pearcey.)
- Pearl, Frank A., North Milwaukee, Wis. Permanent-wave clip. 1,678,352; July 24.
- Pearl, Frank A., New York, N. Y. Sublimator. 1,678,442; July 24.
- Pearl, William L. (See Church, Walter L., assignor.)
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch and transmission mechanism. 1,685,502; Sept. 25.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,690,698; Nov. 6.
- Pearmain, William J., assignor to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,694,980; Dec. 11.
- Pearne, Frank D., deceased, Chicago, Ill.; M. K. Pearne, executrix. Radiotransformer. 1,696,860; Dec. 25.
- Pearne, Frank D., and L. E. Gotsch, assignors, by mesne assignments, to Wire Transmitting Corporation, Chicago, Ill. Typewriter telegraph. 1,670,421; May 22.
- Pearne, Frank D., and L. E. Gotsch, assignor, by mesne assignments, to Wire Transmitting Corporation, Chicago, Ill. Automatic clutch. 1,687,587; Oct. 16.
- Pearne, Martha K., executrix. (See Pearne, Frank D.)
- Pearsall, Chester B., assignor to M. D. Knowlton Company, Rochester, N. Y. Slotting machine. 1,670,314; May 22.
- Pearson, Alan H. (See Hutton, Earl S., assignor.)
- Pearson, Albert, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Drying corrodible materials. 1,687,588; Oct. 16.
- Pearson, Carl E., assignor to Motor Requirements Corporation, Camden, N. J. Gasoline purifier. 1,675,378; July 3.
- Pearson, Charles. (See Lee, J., and Pearson.)
- Pearson, Charles, assignor to International Harvester Company, Chicago, Ill. Tilting device for cutter bars of mowing machines. 1,658,999; Feb. 14.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Flexible pitman head. 1,659,000; Feb. 14.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Automatic reversible foot-lever lift for mowers. 1,660,454; Feb. 28.
- Pearson, Charles, assignor to International Harvester Company, Chicago, Ill. Stacker. 1,677,488; July 17.
- Pearson, Charles, assignor to International Harvester Company, Chicago, Ill. Transport truck. 1,691,583; Nov. 13.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Adjusting mechanism for sweep rakes. 1,695,503; Dec. 18.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Adjusting mechanism for sweep rakes. 1,695,504; Dec. 18.
- Pearson, Charles H. (See Bold, Frederick W., assignor.)
- Pearson, Charles H., Brookline, Mass. Fuse. 1,688,652; Oct. 23.
- Pearson, Frank C., assignor to General Motors Research Corporation, Dayton, Ohio. Hydraulic brake. 1,668,730; May 8.
- Pearson, Gardner W. (See Rogers, H. J., and Boyle, assignors.)
- Pearson, Herman E., Wayzata, Minn. Motor toboggan. 1,682,051; Aug. 28.
- Pearson, Herman E., Wayzata, Minn. Power-driven skis. 1,684,846; Sept. 18.
- Pearson, John T., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Cover for conduit-outlet boxes. 1,681,594; Aug. 21.
- Pearson, Joseph E., Richmond, Calif. Lighting device for vehicles. 1,660,523; Feb. 28.
- Pearson, Nils A., Long Island City, N. Y. Automobile mirror. Des. 77,119; Dec. 4.
- Pearson, Olaf S., Kansas City, Kans. Toilet cabinet. 1,667,564; Apr. 24.
- Pearson, Paul. (See Needham, D. H., Pearson, and Dawson.)
- Pearson, Royal W., Laurium, Mich. Revolving bed. 1,667,982; May 1.
- Pearson, Verne L. (See Coveny, C. E., and Pearson.)
- Pearson, W. L. (See Livergood, Gerald R., assignor.)
- Pearsons, Ernest T., assignor to The Baker-Raulang Company, Cleveland, Ohio. Door-operating mechanism. 1,673,201; June 12.
- Pearsons, George T., New York, N. Y. Spraying device. 1,671,779; May 29.
- Pearsons, George T., New York, N. Y. Fire extinguisher. 1,688,347; Oct. 23.
- Pease, C. F., Company. (See Brunk, Harold J., assignor.)
- Pease, Edward L., Darlington, England. Manufacture of fertilizers. 1,668,464; May 1.
- Pease, F. F., Inc. (See Pease, Fred F., assignor.)
- Pease, Fred F., East Braintree, assignor to F. F. Pease Inc., Boston, Mass. Confectionery apparatus. 1,679,371; Aug. 7.
- Pease, Fred F., East Braintree, assignor to F. F. Pease Inc., Boston, Mass. Grading and sorting apparatus. 1,679,372; Aug. 7.
- Pease, Fred F., East Braintree, assignor to F. F. Pease Inc., Boston, Mass. Separating apparatus. 1,694,666; Dec. 11.
- Pease, John W., assignor to W. N. Pease, Rochester, N. Y. Method of and apparatus for seed-celling apples. 1,683,481; Sept. 4.
- Pease, Winnifred N. (See Pease, John W., assignor.)
- Peaslee, Willets. (See Einstein, S., Peaslee, and Haas.)
- Peattie, Hazel M., et al. (See Bettoli, Rudolph W., assignor.)
- Peaver, Roil M., Glendo, Wyo. Log turner. 1,679,445; Aug. 7.
- Peccard, Charles, Morbier, France. Automatic balance. 1,667,603; Apr. 24.
- Peccerillo, Dominick, New Haven, Conn. Control system. 1,655,288; Jan. 3.
- Pechin, Norman R., Philadelphia, Pa. Knitting machine. 1,665,976; Apr. 10.
- Peck, Adolph C., Sandusky, Ohio. Shielding for radio apparatus. 1,696,411; Dec. 25.
- Peck Bros. & Co., The. (See Newton, William G., assignor.)
- Peck, Clyde A., Newton, Iowa. Figure toy. 1,677,652; July 17.
- Peck, Edward, New York, N. Y. Adjustable pliers. 1,677,365; July 17.
- Peck, Elmer E., Long Beach, Calif. Propelling mechanism for boats. 1,689,962; Oct. 30.
- Peck, Harley T., Lebanon, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Manufacturing shotgun shells. 1,657,584; Jan. 31.
- Peck, Harley T., Lebanon, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Priming mixture for small-arms ammunition. 1,694,890; Dec. 11.
- Peck, Jacob G., Portland, Ore. Refrigerator for two-temperature cabinets. 1,663,481; Mar. 20.
- Peck, Jacob G., Portland, Ore. Two-temperature refrigerating and cooling cabinet. 1,663,482; Mar. 20.

- Peck, Jacob G., Portland, Oreg. Ice-cream cabinet and automatically maintaining more than one temperature therein simultaneously. 1,683,406; Sept. 4.
- Peck, Lawrence W., Chicago, Ill. Dispensing device. 1,661,498; Mar. 6.
- Peck, Percy D., and W. S. Thomas, assignors to Knapp Brothers Manufacturing Co., Chicago, Ill. Mitered-joint bracket. 1,694,667; Dec. 11.
- Peck, Robert G., and A. Brown, assignors to The Aridor Company, Chicago, Ill. Candy jar. 1,682,243; Aug. 28.
- Peck Shoe Company. (See Cristallini, Charles O., assignor.)
- Peck, William S., Hinton, W. Va. Convertible automobile tonneau. 1,655,797; Jan. 10.
- Peckham, Arthur H., Chiloloquin, Ore. Garment hanger. 1,682,626; Aug. 28.
- Pedersen, Carl E., Borg, Ostre Aker, near Oslo, Norway. Heating stove. 1,691,208; Nov. 13.
- Pedersen, Christian, Ugledig, near Allerslev, Denmark. Suspension device for maps and the like. 1,675,515; July 3.
- Pedersen, Florian B., Alameda, Calif. Clock case. Des. 75,284; May 22.
- Pedersen, Florian B., and H. P. Andersen, Alameda, Calif. Universal joint. 1,655,332; Jan. 3.
- Pedersen, Johannes T., Flushing, N. Y. Fork-tine straightener. 1,676,918; July 10.
- Pedersen, John D., Springfield, Mass. Cartridge. 1,678,162; July 24.
- Pedersen, Thomas W., assignor to Oil Jack, Inc., New York, N. Y. Fluid-actuated jack. 1,690,037; Oct. 30.
- Pederson, Harold G., Syracuse, N. Y. Counterbalancing device. 1,675,748; Sept. 25.
- Pedigo, Ira P., Waco, Tex. Animal shears. 1,674,659; June 26.
- Pedrazzo, Emil, Gittenberg, and M. Tusa, Union City, N. J. Printing machine. 1,667,990; Apr. 24.
- Pedrick, Irene P. (See Kneass, S. L., and Pedrick.)
- Pedwyn Balancer Corporation. (See Grimes, Charles P., assignor.)
- Peebles, David D., Eureka, Calif. Treating fish. 1,677,364; July 17.
- Peebles, George, Elizabeth, N. J., assignor to Selbec, Inc., New York, N. Y. Roller vacuum extractor. 1,695,974; Dec. 18.
- Peebles, Thomas A., Pittsburgh, Pa. Apparatus for regulating the mixture of gases. 1,657,134; Jan. 24.
- Peebles, Thomas A., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Fuel-supply system. 1,664,318; Mar. 27.
- Peebles, Thomas A., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Furnace. 1,674,793; June 26.
- Peebles, Thomas A., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Apparatus for controlling steam generation. 1,675,818; July 3.
- Peek, Clifford F., Chesterton, assignor of one-half to C. A. Ball, Wheeler, Ind. Method and apparatus for opening sheet packs. 1,691,250; Nov. 13.
- Peek, Horace H., Chattanooga, Tenn. Sectional heating boiler. 1,687,784; Oct. 16.
- Peelle, Charles W., New York, assignor to The Peelle Company, Brooklyn, N. Y. Elevator door. 1,678,196; July 24.
- Peelle, Charles W., New York, assignor to The Peelle Company, Brooklyn, N. Y. Delivery wagon. 1,680,027; Aug. 7.
- Peelle Company, The. (See Peelle, Charles W., assignor.)
- Peelle Company, The. (See Saurer, Paul R., assignor.)
- Peelle, Willis J., Chicago, Ill. Vacuum-sealing cap. 1,662,435; Mar. 13.
- Peer, Edward S. (See Moore, Chester E., assignor.)
- Peer, Edward S., Los Angeles, Calif. Safety-deposit receptacle. 1,676,707; July 10.
- Peerless Carbon Black Company, The. (See Brown, Alton, assignor.)
- Peerless Ice Machine Company. (See Hoesel, Anthony F., assignor.)
- Peerless Machine Corporation. (See Scovill, James P., assignor.)
- Peerless Machinery Company, The. (See Anderson, Gustaf E., assignor.)
- Peerless Machinery Company. (See Glines, Frederick S., assignor.)
- Peerless Motor Car Corporation, The. (See Slack, Frederic W., assignor.)
- Peerless Paper Box Manufacturing Company, The. (See Schunk, Carl T., assignor.)
- Peerless Pneumatic Systems, Inc. (See Anderson, Swan F., assignor.)
- Peerless Products Company. (See Gedge, Edna R., assignor.)
- Peerless Pump Company. (See Wintroath, John A., assignor.)
- Peerless Roll Leaf Co. (See Grupe, William F., assignor.)
- Peerless Shock Loader Company. (See Berry, B. C., and Dickinson, assignors.)
- Peerless Surfacing Machine Co. Inc. (See Schacht, Elmer C., assignor.)
- Pee, Harry E., and C. B. Noyes, Orange Cove, Calif. Crosshead. 1,668,976; May 8.
- Peeters, Constant, Bruges, Belgium. Stabilization of ferruginous water. 1,656,232; Jan. 17.
- Peets, Elbert, Cleveland, Ohio. Closing cavities in trees. 1,666,245; Apr. 17.
- Pegel, Julius, assignor to Pennsylvania Axminster Carpet Corporation, Philadelphia, Pa. Rug. Des. 75,285; May 22.
- Pegg, Edgar L. (See Holz, T. C., and Pegg.)
- Peham, Frank, St. Paul, Minn. Bed table. 1,657,176; Jan. 24.
- Pehrson, Adam H., Stockholm, Sweden, assignor to Dunford & Elliott (Sheffield) Limited, Sheffield, England. Obtaining valuable products from combustible materials. 1,667,217; Apr. 24.
- Peik, Louis D., Mishawaka, Ind., assignor to American Foundry Equipment Company, New York, N. Y. Abrasive-supply tank. 1,686,877; Oct. 9.
- Peiler, Karl E., West Hartford, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding molten glass. 1,655,391; Jan. 3.
- Peiler, Karl E., West Hartford, Conn., assignor, by mesne assignments, to Hartford-Empire Company. Method of and apparatus for feeding molten glass. 1,655,392; Jan. 3.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Feeding molten glass. 1,656,869; Jan. 17.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding molten glass. 1,657,640; Jan. 31.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 1,662,436; Mar. 13.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,662,437; Mar. 13.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Manufacture of glass tubing and cane. 1,663,093; Mar. 20.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Ring splice for woven-wire fabrics. 1,673,527; June 12.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer conveyer and driving mechanism. 1,674,794; June 26.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Leer conveyer and woven-wire fabrics. 1,675,276; June 26.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,675,819; July 3.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Mold-charged guide for glass-feeding apparatus. 1,680,391; Aug. 14.
- Peiler, Karl E., assignor to Hartford-Empire Company, Hartford, Conn. Molding bottles in single-mold machines. 1,680,746; Aug. 14.
- Peiler, Karl E., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for feeding glass. 1,692,464; Nov. 20.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass-working apparatus. 1,692,858; Nov. 27.
- Peiler, Karl E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Mold for high-temperature casting of refractory bodies. 1,696,688; Dec. 25.
- Peiler, Karl E., and E. H. Lorenz, West Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Glass-pressing machine. 1,680,474; Aug. 14.
- Peinlich, Max, White Plains, assignor to Aljac Lighting Fixture Co., Inc., New York, N. Y. Candelabrum or similar article. Des. 75,644; June 26.
- Pelce, John R., assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 1,674,660; June 26.
- Pelce, John R., 3d, and G. M. Andrews, 2d, Phoenixville, Pa. Flower scone or similar article. Des. 74,944; Apr. 17.
- Pelerson, Charles H., and W. A. Bohne, assignors to E. F. Houghton & Company, Philadelphia, Pa. Molding machine. 1,667,673; Apr. 24.
- Peiter, Theodore F., Newark, N. J. Pin guard. 1,670,982; May 22.
- Pejchar, Josef, Brooklyn, N. Y. Cuff link. Des. 75,806; July 17.
- Pejchar, Josef, Brooklyn, N. Y. Cuff link. 1,675,379; July 3.
- Pejka, John, Detroit, Mich. Bed partition. 1,669,573; May 15.
- Pekar, Frank, Bridgeport, Conn. Sash latch. 1,661,634; Mar. 6.
- Pekich, Michael, Pittsburgh, Pa. Steam locomotive. 1,674,219; June 19.
- Pekowsky, Louis I., New York, N. Y. Cloth hat. 1,675,864; July 3.
- Pekrul, Leo P., Denver, Colo. Gate connection for corrugated culverts. 1,670,519; May 22.
- Pekrul, Leo P., Denver, Colo. Gate connection for corrugated culverts. 1,670,520; May 22.
- Pelican Well Tool & Supply Company. (See Boggs, W. B., and Davis, assignors.)
- Pelich, Eduard, Prague, Czechoslovakia. Revolving-cylinder and reciprocating-piston pump. 1,695,975; Dec. 18.
- Pellerin, Augustin, Trouville, France. Manufacture of a cellulose product having the appearance of wool. 1,664,319; Mar. 27.
- Pelletier, Emmet E., St. Joseph, and W. Bandlow, Benton Harbor, Mich. Fuse. 1,655,842; Jan. 10.

- Pelletier, John and M., New York, N. Y. Picture frame. Des. 76,820; Nov. 6.
- Pelletier, John M. and M. D., New York, N. Y. Picture frame. Des. 76,953; Nov. 20.
- Pelletier, Michael. (See Pelletier, John and M.)
- Pellow, Charles E., Detroit, Mich. Burr cutter. 1,665,474; Apr. 10.
- Peltier, Wilfrid, Concordia, Kans. Gate-operating means. 1,654,700; Jan. 3.
- Pelton, B. H., Jr. (See Pelton, Benjamin H., assignor.)
- Pelton, Benjamin H., Carlsbad, Calif., assignor to B. H. Pelton, Jr., Casper, Wyo. Lock. 1,657,093; Jan. 24.
- Pelton, Benjamin H., Carlsbad, Calif., assignor to B. H. Pelton, Jr., Casper, Wyo. Concrete mixer and conveyor. 1,689,963; Oct. 30.
- Pelton, Louis, Chicago, Ill. Bathing suit. 1,666,504; Apr. 17.
- Pelton Water Wheel Co., The. (See Foulds, Charles V., assignor.)
- Pelton Water Wheel Co., The. (See Hutchinson, Ely C., assignor.)
- Pelton Water Wheel Co., The. (See Karnasch, L. M., and Hutchinson, assignors.)
- Peltz, Gordon M., assignor to Corning Glass Works, Corning, N. Y. Apparatus for delivery of fluid to burners. 1,665,145; Apr. 3.
- Pemberton-Billing, Noel, Twickenham, assignor to The Duophone and Unbreakable Record Company, London, England. Gramophone and like machine. 1,660,471; Feb. 28.
- Pembroke, Winfield P., assignor to Kee Lox Manufacturing Company, Rochester, N. Y. Machine for testing type-writing ribbons, carbon paper, etc. 1,693,494; Nov. 27.
- Penberthy, Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 1,658,414; Feb. 7.
- Penberthy, Ernest, Redruth, Cornwall, assignor to The Climax Rock Drill & Engineering Works Limited, London, England. Percussive rock drill. 1,684,638; Sept. 18.
- Penberthy, Ernest, Redruth, Cornwall, assignor to The Climax Rock Drill & Engineering Works Limited, London, England. Percussive rock drill. 1,687,687; Oct. 16.
- Penberthy Injector Company. (See McClymont, B. W., and Yoder, assignors.)
- Penberthy Injector Company. (See Warrick, Charles F., assignor.)
- Pence, Lafe V., El Paso, Tex. Constant-clearance piston. 1,671,310; May 29.
- Pender, Harold, Philadelphia, Pa. Engine-starting apparatus. 1,666,396; Apr. 17.
- Pendleton, Curtis A., Port Alberni, British Columbia, Canada. Seasaw. 1,681,998; Aug. 28.
- Pendleton, Frank R. (See Nelson, Gust, assignor.)
- Pendleton Manufacturing Co. (See Sitton, Eugene N., assignor.)
- Pendleton, Pyam L., Providence, R. I., assignor to E. W. and L. C. Martin and G. W. Blecker, trustees of the Martin-Copeland Company. Radio instrument mounting. 1,668,418; May 1.
- Pendleton Woolen Mills. (See Bishop, Clarence M., assignor.)
- Penfold, Albert E., R. Truesdale, and R. C. Smith, assignors to The Dunlop Rubber Company, Limited, Birmingham, England. Substitute for catgut and similar animal products and the manufacture thereof. 1,654,944; Jan. 3.
- Penfold, Albert E., Birmingham, assignor to The Dunlop Rubber Company, Limited, London, England. Making golf balls and articles produced therefrom. 1,693,315; Nov. 27.
- Pengilly, Lewis, San Francisco, Calif. Cigarette container and dispenser. 1,674,987; June 26.
- Peninsular Stove Company. (See Schenk, John C., assignor.)
- Penley, Lester H., Portland, Me. Clothes clip. 1,683,049; Sept. 4.
- Penn, Albert, et al. (See Massa, Robert F., assignor.)
- Penn, Albert, assignor to Penn Electric Switch Company, Des Moines, Iowa. Automatic air-volume-controlling device for water-storage tanks. 1,674,341; June 19.
- Penn, Albert, assignor of one-half to R. Penn, Des Moines, Iowa. Valve device for use with pumping structures. 1,680,245; Aug. 7.
- Penn Electric Switch Company. (See Penn, Albert, assignor.)
- Penn Electric Switch Company. (See Penn, Ralph, assignor.)
- Penn Hardware Company. (See Cleaver, George E., assignor.)
- Penn Machine Company. (See Haulton, Thomas, assignor.)
- Penn Metal Company. (See Birkholz, Richard G., assignor.)
- Penn, Oscar S., Wandsworth Common, London, assignor to Roadless Traction, Limited, Hounslow, Middlesex, England. Endless-track vehicle. 1,683,407; Sept. 4.
- Penn, Ralph. (See Penn, Albert, assignor.)
- Penn, Ralph, et al. (See Massa, Robert F., assignor.)
- Penn, Ralph, Des Moines, Iowa, assignor to Penn Electric Switch Company. Automatic electric switch. 1,678,603; July 24.
- Penn Rubber Products Corporation. (See Heist, Stuart H., assignor.)
- Penn Utility Company. (See Willners, John A., assignor.)
- Penner, W. H. (See Gibson, Angus H., assignor.)
- Penney, Harold D., Pelhamwood, N. Y. Sound transmission for phonographs. 1,660,272; Feb. 21.
- Penney, Harold D., Pelham, assignor to A. G. Spalding & Bros., New York, N. Y. Manufacturing racket frames. 1,696,251; Dec. 25.
- Penney, J. C., Company. (See Rader, Robert J., assignor.)
- Penney, Loren W., Newton Highland, assignor to Saco-Lowell Shops, Boston, Mass. Coiler. 1,672,902; June 12.
- Penney, Loren W., Newton, assignor to Saco-Lowell Shops, Boston, Mass. Driving roll for revolving clearers. 1,681,875; Aug. 21.
- Penney, Loren W., Newton Highlands, and H. E. Child, Newton Upper Falls, assignors to Saco-Lowell Shops, Boston, Mass. Cotton-working apparatus. 1,694,950; Dec. 11.
- Penning, Eugene H., Spencer, Iowa. Divider board for filing drawers. 1,659,119; Feb. 14.
- Pennington, Gordon R., Cleveland, Ohio. Shock absorber for motor vehicles. 1,677,405; July 17.
- Pennington, Gordon R., Cleveland, Ohio. Belt driving mechanism. 1,684,069; Sept. 11.
- Pennington, Gordon R., Cleveland, Ohio. Motor vehicle. 1,684,070; Sept. 11.
- Pennington, Harley D., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Apparatus for and delivering pipe to and from threading machines and testers. 1,657,315; Jan. 24.
- Pennington, Harry R., Chicago, Ill., and C. H. Hollup, Milwaukee, Wis., assignors to C. H. Hollup Corporation. Arc-welding electrode. 1,696,011; Dec. 18.
- Pennino, Oreste, New York, N. Y. Brooch or similar article. Des. 76,039; Aug. 14.
- Pennino, Oreste, New York, N. Y. Bracelet or similar article. Des. 76,040; Aug. 14.
- Pennock, George A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for performing pressing operations. 1,690,457; Nov. 6.
- Pennoyer, Edward A., Greenville, S. C. Loom attachment. 1,667,637; Apr. 24.
- Pennsylvania Axminster Carpet Corp. (See Gero, Victor, assignor.)
- Pennsylvania Axminster Carpet Corporation. (See Pegel, Julius, assignor.)
- Pennsylvania Crusher Company. (See Rouse, Charles R., assignor.)
- Pennsylvania Engineering Works. (See Allen, L. E., and Furst, assignors.)
- Pennsylvania Forge Company. (See Venable, Charles C., assignor.)
- Pennsylvania Gasoline Drill Company. (See Somervell, Charles S., assignor.)
- Pennsylvania Gypsum Company. (See Thomson, George M., assignor.)
- Pennsylvania Lawn Mower Works. (See Braun, William F. H., assignor.)
- Pennsylvania Pump & Compressor Company. (See Raymond, Ward, assignor.)
- Pennsylvania Rubber Company. (See Heefner, La Port W., assignor.)
- Pennsylvania Rubber Company. (See Hurlburt, Lee R., assignor.)
- Pennsylvania Textile Mills, Inc. (See Biva, Lucien, assignor.)
- Pennsylvania Wire Glass Company. (See Cox, W., and Shuman, assignors.)
- Penny, James P., Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of oil-soluble azo coloring matters. 1,656,233; Jan. 17.
- Penny, John H., Fountain City, Ind. Grain and seed cleaner. 1,691,902; Nov. 13.
- Penote, Augustus J., Cleveland, Ohio. Tamping machine. 1,684,882; Sept. 18.
- Penrod, John, and R. D. Thompson, Okmulgee, Okla. Well pump. 1,672,687; June 5.
- Penrod, John, and R. D. Thompson, Okmulgee, Okla. Pump for wells. 1,679,625; Aug. 7.
- Penrod, John, and R. D. Thompson, Okmulgee, Okla. Pumping equipment. 1,688,089; Oct. 16.
- Pensabene, Nicolo, London, England. Dynamo-electric machine. 1,681,780; Aug. 21.
- Penta, Patrick W., Medford, assignor to Wilson Manufacturing Company, Boston, Mass. Key case. 1,679,001; July 31.
- Pentecost, Arthur, Upper Montclair, N. J. Call register. 1,687,633; Oct. 16.
- Pentland, Robert L. (See Bascom, H. M., Arnold, and Pentland.)
- Pentler, Sigmund J., and O. R. Short, Wausau, Wis. Lip turner. 1,653,461; Feb. 7.
- Pentler, Sigmund J., and O. R. Short, Wausau, Wis. Stitch-down shoe and making the same. 1,681,623; Aug. 21.
- Penton, Ivan B. (See Dawson, V. B., and Penton.)
- Penzold, Wilhelm, assignor to the firm Widerstand Aktiengesellschaft für Elektro-Wärme-Technik, Hanover, Germany. Electric resistance for electrically-heated boilers. 1,683,050; Sept. 4.
- People of the United States, The. (See Parker, Gordon, assignor.)
- People of the United States of America, The. (See Dahlberg, Arthur C., assignor.)

- Peoples Trust and Savings Bank of Chicago, The, trustee. (See Eaid, John R., assignor.)
- Peperkorn, Heinrich. (See Hartmann, O. H., and Peperkorn.)
- Pepin, Harvey, Willmansett, Mass. Leather cutter. 1,662,398; Mar. 13.
- Pepper, Byron J., Fort Wayne, Ind. Heat-transfer device. 1,661,010; Feb. 28.
- Pepper, Byron J., Fort Wayne, Ind. Heat-transfer device. 1,661,011; Feb. 28.
- Pepper, Ura M. (See Pepper, William A. and U. M.)
- Pepper, William A. and U. M., Tulsa, Okla. Keyhole guard. 1,672,133; June 5.
- Pepperell Manufacturing Company. (See McIntire, Allyn B., assignor.)
- Peppin, Joseph, Sciota, N. Y. Gliding projectile. 1,663,058; Mar. 20.
- Peppin, Joseph, Sciota, N. Y. Portable guard fence. 1,694,753; Dec. 11.
- Perass, John P., Glen Rock, N. J. Water heater. 1,674,295; June 19.
- Perazio, Valentine S., New York, N. Y. Fruit press. 1,655,289; Jan. 3.
- Perazio, Valentine S., New York, N. Y. Fruit crusher and squeezer. 1,655,333; Jan. 3.
- Percival, Charles F., assignor to Royalton Manufacturing Company, Inc., Springfield, Mass. Article of furniture. 1,674,220; June 19.
- Perco Heater Corporation. (See Boynton, Charles B., assignor.)
- Perdoncini, Jean M. (See Dutel, E., and Perdoncini.)
- Perdue, George E., Santa Monica, Calif. Grindstone attachment for sausage mills. 1,664,896; Apr. 3.
- Perdue, Henry C., Highland Park, assignor to one-half to W. R. Wilson, Detroit, Mich. Valve for reversing furnaces. 1,673,018; June 12.
- Perdue, John C., Methuen, assignor to Manufacturers' Machine Company, North Andover, Mass. Centrifugal sprinkler. 1,683,259; Sept. 4.
- Perdue, Landon L., Chester, assignor to State Conservation and Development Commission on behalf of the Commonwealth of Virginia, Richmond, Va. Road sign. Des. 77,120; Dec. 4.
- Perego, Grace G., San Francisco, Calif. Steamer-deck-chair support. 1,689,964; Oct. 30.
- Peretz, William. (See Moskovitz, J., and Peretz.)
- Pereyra, Armando J., San Francisco, Calif. Apparatus for forming and thereafter releasing tortilla. 1,683,797; Sept. 11.
- Pérez, Manuel H., San Pedro Sula, Honduras. Phonograph-record repeater. 1,656,530; Jan. 17.
- Perfechte Company, The. (See Jaffe, J. L., and Monroe, assignors.)
- Perfect Circle Company, The. (See Teetor, Ralph R., assignor.)
- Perfect Window Regulator Corporation. (See Goldsmith, B. J., and Koeb, assignors.)
- Perfection Biscuit Company. (See Mullendore, Harvey, assignor.)
- Perfection Cooler Company. (See Cook, Fred W., assignor.)
- Perfection Engineering Company. (See McCuen, Charles L., assignor.)
- Perfection Faucet Mfg. Corp. (See Schimmel, Lloyd G., assignor.)
- Perfection Ice Scoring Machine Company. (See Helm, Clyde D., assignor.)
- Perfection Meta Container Company, The. (See Sens, John P., assignor.)
- Perfection Package Sealer Company. (See Uttz, William A., sr., assignor.)
- Perfection Stove Company. (See Chadwick, Lee S., assignor.)
- Perfection Stove Company. (See Chadwick, L. S., and Resek, assignors.)
- Perfection Stove Company. (See Chadwick, L. S., Resek, and Dahlstrom, assignors.)
- Perfection Stove Company. (See Dahlstrom, John A., assignor.)
- Perfection Stove Company. (See Resek, Marc, assignor.)
- Perfection Stove Company. (See Resek, M., and Dahlstrom, assignors.)
- Perfecto Gear Differential Co. (See Jackson, Ernest W., assignor.)
- Perfex Corporation. (See MacLeod, Daniel T., assignor.)
- Perfex Corporation. (See Young, Fred M., assignor.)
- Pergola, Charles. (See Caponegro, A., and Pergola.)
- Perham, Arthur L. (See Dawson, A. T., Watt, and Perham.)
- Periale, John A., Astoria, assignor to The Perimeter Co., Inc., Astoria, Long Island, N. Y. Automatic indicator. 1,690,244; Nov. 6.
- Perilli, Louis P., Portsmouth, N. H. Windshield wiper. 1,660,395; Feb. 28.
- Perilli, Louis, Portsmouth, N. H. Propelling mechanism for vehicles. 1,664,570; Apr. 3.
- Perin, Donald W., Brookline, assignor, by mesne assignments, to Perin-Walsh Company, Boston, Mass. Swivel caster. Re16,864; Jan. 31.
- Perin, Donald W., Brookline, Mass., assignor, by mesne assignments, to American Freight Service, Inc., New York, N. Y. Loading elevator. 1,678,528; July 24.
- Perin, Donald W., Brookline, Mass., assignor to Perin-Walsh Company, Boston, Mass. Rolling container. 1,695,928; Dec. 18.
- Perin, Donald W., Brookline, assignor to Perin-Walsh Company, Boston, Mass. Removable container for vehicles. 1,695,929; Dec. 18.
- Perin-Walsh Company. (See Perin, Donald W., assignor.)
- Perimeter Co., The. (See Periale, John A., assignor.)
- Peris, Nicholas U., Florin, Pa. Hydraulic, steam, or air valve. 1,657,841; Jan. 31.
- Perkin, William H., Oxford, and H. M. Bunbury, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of mono-benzoyl-diamino-antraquinone compounds. 1,660,090; Feb. 21.
- Perkins, Albert G., Buffalo, N. Y. Pipe joint. 1,664,941; Apr. 3.
- Perkins, Charles, Bridgewater, and A. T. Keith, Brockton, Mass. Feeding mechanism for tack-making machines. 1,674,988; June 26.
- Perkins, Clarence B., Providence, R. I., assignor to Apco Mossberg Corporation, Attleboro, Mass. Piston-ring-compressing tool. 1,689,361; Oct. 30.
- Perkins, Clarence G., Muncie, Ind. Piercing implement. Des. 75,584; June 19.
- Perkins, Edgar G., Feters Springs, Calif. Ball-game target. 1,655,661; Jan. 10.
- Perkins, Frances W. (See Perkins, Willis J., assignor.)
- Perkins, Frank C., South Euclid, Ohio, assignor to General Electric Company. Vibration meter. 1,687,507; Oct. 16.
- Perkins, Freeman, Seabrook, N. H. Shoe and making the same. 1,663,094; Mar. 20.
- Perkins, George G., Lynn, Mass. Shoe machinery. 1,687,384; Oct. 9.
- Perkins, Howard M., assignor to Remo Manufacturing Company, Meriden, Conn. Laundry-marking pin. 1,664,087; Mar. 27.
- Perkins, John A., Minneapolis, Minn. Grain separator. 1,675,048; June 26.
- Perkins, John A., Minneapolis, Minn. Grain separator. 1,675,049; June 26.
- Perkins, Julian L., West Springfield, assignor, by mesne assignments, to Perkins Machine and Gear Company, Springfield, Mass. Bevel-gear generator. 1,680,802; Aug. 14.
- Perkins, Julian L., West Springfield, assignor to Perkins Machine and Gear Company, Springfield, Mass. Worm-thread-polishing machine. 1,660,811; Feb. 28.
- Perkins, Julian L., West Springfield, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Broach mechanism. 1,660,812; Feb. 28.
- Perkins, Julian L., West Springfield, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Grinding-wheel dresser. 1,660,810; Feb. 28.
- Perkins, Julian L., West Springfield, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Broach mechanism. 1,660,813; Feb. 28.
- Perkins, Julian L., West Springfield, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Broach mechanism. 1,684,140; Sept. 11.
- Perkins, Julian L., West Springfield, and H. D. Croft, assignors to Perkins Machine and Gear Company, Springfield, Mass. Feed mechanism. 1,684,141; Sept. 11.
- Perkins, Julian L., West Springfield, and H. D. Croft, assignors, by mesne assignments, to Perkins Machine and Gear Company, Springfield, Mass. Work holder. 1,692,566; Nov. 20.
- Perkins, Lawrence M., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current motor. 1,686,637; Oct. 9.
- Perkins Machine and Gear Company. (See Croft, Hiram D., assignor.)
- Perkins Machine and Gear Company. (See Oakley, John, assignor.)
- Perkins Machine and Gear Company. (See Oakley, J., and Croft, assignors.)
- Perkins Machine & Gear Company. (See Perkins, Julian L., assignor.)
- Perkins Machine & Gear Company. (See Perkins, J. L., and Croft, assignors.)
- Perkins, Nathan W., East Orange, N. J., assignor of one-third to C. M. Waite and one-third to W. H. Botsford, New York, N. Y. Ticket printing, recording, and indicating apparatus. 1,671,780; May 29.
- Perkins, Nathan W., East Orange, and E. J. Ens, assignors to Ellis Adding Typewriter Company, Newark, N. J. Adding and subtracting accumulator. 1,679,265; July 31.
- Perkins, Wayne A. and W. W. Gayman, Sacramento, Calif. Device for stress measuring or testing. 1,670,981; May 22.
- Perkins, William H., Barnstable, assignor of one-fourth to G. A. Rockwell, Boston, Mass. Apparatus for reproducing sound. 1,656,446; Jan. 17.
- Perkins, William J., Brooklyn, and E. Hagemester, Astoria, N. Y. Hair waver. 1,672,775; June 5.
- Perkins, Willis J., assignor to F. W. Perkins, Grand Rapids, Mich. Automatic fire-extinguishing apparatus and system. 1,692,052; Nov. 20.
- Perks, George W., Akron, Ohio. Building up bearings or the like and composition for use therein. 1,658,173; Feb. 7.
- Perks, George W., Akron, Ohio. Expansion pipe joint or coupling. 1,671,161; May 29.
- Perks, George W., Akron, Ohio. Measuring and dispensing attachment for bottles. 1,671,542; May 29.

- Perks, Herbert, Coventry, England. Windshield frame. 1,659,612; Feb. 21.
- Perl, Albert H. F., and R. H. Carter, Ladbroke Grove, London, England. Hand-operated shearing device. 1,666,832; Apr. 17.
- Perl, John, Los Angeles, assignor to M. M. Cory, San Diego, Calif. Saccharification of cellulose-bearing material. 1,677,406; July 17.
- Perl, John, Los Angeles, Calif., assignor to M. M. Cory, San Diego, Calif. Neutralizing cellulose-bearing material for subsequent saccharification. 1,687,785; Oct. 16.
- Perl, John, New York, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Cracking hydrocarbons. 1,689,362; Oct. 30.
- Perl, John, New York, N. Y., assignor to Sinclair Refining Company, Chicago, Ill. Cracking hydrocarbon oils. 1,689,363; Oct. 30.
- Perliner Stickmaschinenfabrik Schirmer, Blau & Co. G. m. b. H. (See Koch, Aloys, assignor.)
- Perlmutter, Henry A., Brooklyn, assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Adjustable base. 1,684,925; Sept. 18.
- Permex Corporation of America. (See Buckley, Ernest P., assignor.)
- Permex Corporation of America. (See White, Tillman, assignor.)
- Permier Cushion Spring Company. (See Stiles, Douglas S., assignor.)
- Permold Company, The. (See Vaughan, Conrad, assignor.)
- Permutit Company, The. (See Cawley, George, assignor.)
- Permutit Company, The. (See Horn, Joseph M., assignor.)
- Permutit Company, The. (See Hughes, Walter J., assignor.)
- Permutit Company, The. (See Neumann, August, assignor.)
- Permutit Company, The. (See Nordell, Carl H., assignor.)
- Permutit Company, The. (See Nordell, Eskel, assignor.)
- Permutit Company, The. (See Spencer, Arthur C., assignor.)
- Pernot, Frederick E., and L. J. Rich, London, England. Loading submarine cables. 1,672,989; June 12.
- Peron, Anthony, New York, N. Y. Machine for grading ground coffee. 1,661,299; Mar. 6.
- Perpall, Harold, Philadelphia, Pa. Transmission belt. 1,661,300; Mar. 6.
- Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Manipulating multiple fasteners. 1,679,626; Aug. 7.
- Perreault, Gedeon, Gardner, Mass. Screw driver. 1,678,124; July 24.
- Perret, Georges, La Chaux-de-Fonds, assignor to H. Wilsdorf, Bienne, Switzerland. Keyless watch. 1,661,232; Mar. 6.
- Perretz, N. Bernard. (See Kunicke, Robert, assignor.)
- Perrin, Francis, Paris, France. Sealing device. 1,667,563; Apr. 24.
- Perrin, Roland E., Brooklyn, N. Y. Necktie holder. 1,680,432; Aug. 14.
- Perritt, Elliott E., Pittsburgh, Pa. Mortar box. 1,662,280; Mar. 13.
- Perron, Gustave. (See Parolini, C., and Perron.)
- Perrone, Pascal. (See Gordon, W. A., Murphy, and Perrone.)
- Perrot, Henri, Paris, France, assignor to Bendix Corporation, Chicago, Ill. Automobile brake. 1,670,000; May 15.
- Perrot, Henri, Paris, France, assignor to Bendix Corporation, Chicago, Ill. Vehicle. 1,689,749; Oct. 30.
- Perrot, Henri, Paris, France, assignor to Bendix Corporation, Chicago, Ill. Vehicle brake mechanism. 1,691,584; Nov. 13.
- Perrotta, Alfred. (See Badger, Leo A., assignor.)
- Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Controller. 1,687,508; Oct. 16.
- Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Mechanical lubricator for chains. 1,687,688; Oct. 16.
- Perry, Donald B. (See Parker, R. D., and Perry.)
- Perry, Edna A., executrix. (See Perry, Frederick H.)
- Perry, Edward D., Pawtucket, R. I., assignor to Scintilla Magneto Company, Inc., Sidney, N. Y. Magneto construction. 1,693,345; Nov. 27.
- Perry, Frank R., Chicago, Ill. Condenser for automobile engine radiators. 1,676,045; July 3.
- Perry, Frederick H., deceased; E. A. Perry, executrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for making shoe soles. 1,667,948; May 1.
- Perry, George E., Chicago, Ill., assignor, by mesne assignments, to Universal Signal Corporation. Electromagnetically-operated switch. 1,668,731; May 8.
- Perry, George H., New York, N. Y. Cushion for seats and the like. 1,673,636; June 12.
- Perry, Gerald E. (See Loomis, C. C., and Perry.)
- Perry, Hubert M., assignor to S. L. Woods, Chicago, Ill. Antifriction bearing. 1,662,328; Mar. 13.
- Perry, Ira D., Chicago, Ill. Swimming apparatus. 1,684,714; Sept. 18.
- Perry, James L., Honolulu, Hawaii. Craftsman's stool. 1,686,464; Oct. 2.
- Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpville, Pa. Closed-bottom ingot mold. 1,658,350; Feb. 7.
- Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpville, Pa. Ingot mold and stool. 1,665,275; Apr. 10.
- Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpville, Pa. Ingot-mold core box. 1,670,594; May 22.
- Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpville, Pa. Apparatus for casting closed-bottom ingot mold. 1,673,586; June 12.
- Perry, John E., Sharon, Pa., assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Separable hot top for ingot molds. 1,689,174; Oct. 23.
- Perry, John E., Sharon, assignor to Valley Mould and Iron Corporation, Sharpville, Pa. Core box for ingot molds. 1,694,105; Dec. 4.
- Perry, John W., Wheeling, W. Va. Sheet-heating furnace. 1,678,300; July 24.
- Perry, Marsden J., jr., Providence, R. I. Pitcher. Des. 77,027; Nov. 27.
- Perry, Napoleon J., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,661,085; Feb. 28.
- Perry, Napoleon J., assignor to May Hosiery Mills, Nashville, Tenn. Pattern mechanism for knitting machines. 1,683,798; Sept. 11.
- Perry, Napoleon J., assignor to May Hosiery Mills, Nashville, Tenn. Dial-cam-controlling mechanism. 1,690,593; Nov. 6.
- Perry, Napoleon J., assignor to May Hosiery Mills, Nashville, Tenn. Knitting machine. 1,696,282; Dec. 25.
- Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Construction material. 1,657,585; Jan. 31.
- Perry, Ray P., Upper Montclair, N. J., assignor to The Barrett Company. Building material. 1,663,095; Mar. 20.
- Perry, Robert J., Bristol, Tenn. Toy camera. 1,660,233; Feb. 21.
- Perry, Samuel A., New York, N. Y. Accompaniment harmonica. 1,676,154; July 3.
- Perry, Sidney J., Spokane, Wash. Valve gear. 1,657,032; Jan. 24.
- Perry, Thomas L. (See English, F. S., and Perry.)
- Perry & Webster, Incorporated. (See Boynton, Vern K., assignor.)
- Perry, William, Indianapolis, Ind. Broom holder or rack. 1,668,600; May 8.
- Perry, William A., Sidney, Ohio. Wheel. 1,656,292; Jan. 17.
- Perry, William A., and G. D. Toy, Sidney, Ohio; said Toy assignor to said Perry. Earth-working apparatus. 1,693,991; Dec. 4.
- Perry, William H. B., Waterbury, Vt. Saw tooth. 1,657,481; Jan. 31.
- Perry, Wilton H., Brooklyn, N. Y. Bottle and closure therefor. 1,664,756; Apr. 3.
- Perryman Electric Company. (See Perryman, George H., assignor.)
- Perryman, George H., assignor to Perryman Electric Company, Inc., New York, N. Y. Vacuum tube. 1,655,820; Jan. 10.
- Perryman, George H., assignor to Perryman Electric Company, Inc., New York, N. Y. Grid for vacuum tubes. 1,666,071; Apr. 17.
- Perrys Incorporated. (See Moore, Anthony T., assignor.)
- Pershing, Royal S., Fort Worth, Tex. Apparatus for cracking oil. 1,661,196; Mar. 6.
- Person, Axel, assignor to Harvey Clapp & Co., Attleboro, Mass. Bracelet construction. 1,677,204; July 17.
- Person, Charles A. (See Ricker, J. B., Person, and Armstrong.)
- Person, Earl R., assignor to Du Pont Viscocoid Company, Inc., Leominster, Mass. Display card. 1,688,985; Oct. 23.
- Personett, Cyrus C., deceased, Muncie, Ind.; N. Personett, administratrix. Road machine. 1,661,735; Mar. 6.
- Personett, Nelle, Administratrix. (See Personett, Cyrus C.)
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Gauge. 1,660,814; Feb. 28.
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Pole cable terminal. 1,660,815; Feb. 28.
- Persons, Lawrence M., assignor to Cook Electric Company, Chicago, Ill. Making hollow rivets. 1,676,919; July 10.
- Peruzzi, Mario, assignor to Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Glass jar. Des. 75,695; July 3.
- Pervier, William A., trustee. (See Pervier, William A., assignor.)
- Pervier, William A., Watertown, Mass., assignor, by mesne assignments, to W. A. Pervier, trustee. Alarm signal for automobiles. 1,676,412; July 10.
- Pescara, Raul P., Paris, France. Fluid-actuated compressor. 1,691,737; Nov. 13.
- Pescara, Raul P., Paris, France, assignor to The Pescara & Raymond Corporation, Dover, Del. Motor-compressor apparatus. 1,657,641; Jan. 31.
- Pescara, Raul P., Paris, France, assignor to The Pescara & Raymond Corporation, Dover, Del. Motor-compressor apparatus. 1,666,630; Apr. 17.
- Pescara & Raymond Corporation, The. (See Pescara, Raul P., assignor.)
- Pesnel, Maximilian E., Brooklyn, N. Y. Game apparatus. 1,673,705; June 12.

- Pesola, Nijlo, New Orleans, La. Combined automobile body and hood. Des. 75,585; June 19.
- Pessemier, Victor, Tacoma, Wash. Manufacturing shoes. 1,660,273; Feb. 21.
- Pester, Carl F., Roselle Park, N. J., assignor to Standard Oil Development Company. Treating emulsions. 1,669,379; May 8.
- Peteler, Adolph, Freeport, assignor to T. Howe, White Plains, N. Y. Vernier dial for radio adjustments. 1,683,845; Sept. 11.
- Peter, Henry A., Philadelphia, Pa., assignor to Pioneer Suspender Company. Belt box. 1,691,936; Nov. 20.
- Peter, Henry A., Philadelphia, Pa., assignor to Pioneer Suspender Company. Belt box. 1,691,937; Nov. 20.
- Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Alternating-current relay. 1,683,696; Sept. 11.
- Peter, Leslie H., and C. H. W. Edmonds, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,673,339; June 12.
- Petermann, Otto, Groton, N. Y., assignor to The American Hardware Corporation, New Britain, Conn. Doorknob construction. 1,681,008; Aug. 14.
- Peters, Archie R., Winfield, Kans., assignor of one-half to The Guiberson Corporation, Dallas, Tex. Oil-tank baffle. 1,694,668; Dec. 11.
- Peters Cartridge Company, The. (See Peck, Harley T., assignor.)
- Peters, Cornelius A., assignor, by mesne assignments, to New Beeman Tractor Company, Minneapolis, Minn. Tractor. 1,662,982; Mar. 20.
- Peters, David F., St. Peter, Minn. Water gauge for motor-vehicle radiators. 1,672,903; June 12.
- Peters, Edward C., Detroit, Mich. Rotary pump. 1,666,466; Apr. 17.
- Peters, Edgar G., Cleveland, Ohio. Battery tester. 1,690,500; Nov. 6.
- Peters, Emil, Crefeld, Germany. Dynamic and efficiency meter. 1,694,718; Dec. 11.
- Peters, Ernest K., Fresno, Calif. Mercury condenser. 1,672,499; June 5.
- Peters, Frank R., New York, N. Y., assignor to Franklin Railway Supply Company. Locomotive booster apparatus. 1,665,324; Apr. 10.
- Peters, Frank R., assignor to Franklin Railway Supply Company, New York, N. Y. Booster-engine cylinder cock. 1,668,334; May 1.
- Peters, Fredbert J., assignor to The National Automatic Tool Company, Richmond, Ind. Interchangeable doweled arm. 1,660,353; Feb. 28.
- Peters, Frederick W., assignor of one-half to E. Gruenfeldt, Cleveland, Ohio. Universal coupling. 1,694,926; Dec. 11.
- Peters, George, St. Louis, Mo. Pocketknife. Des. 75,185; May 15.
- Peters, Hans M. T., assignor to Kny-Scheerer Corporation of America, New York, N. Y. Mechanical horse. 1,671,162; May 29.
- Peters, Harry C. (See Lukachovic, J. C., and Peters.)
- Peters, Henry M., Chicago, Ill., assignor to Faries Manufacturing Company, Decatur, Ill. Reading lamp. Des. 75,746; July 10.
- Peters, James R., administrator. (See Peters, Richard G.)
- Peters, Oscar A. (See Branington, Edwin O., assignor.)
- Peters Machinery Company. (See Becker, H. K., and Jurgens, assignors.)
- Peters, Richard G., deceased, Manistee, Mich.; J. R. Peters, administrator. Salt granular. 1,656,827; Jan. 17.
- Peters, Robert B., Brooklyn, N. Y. Bracket. 1,667,604; Apr. 24.
- Peters, Robert B., Brooklyn, N. Y. Steadying device for rotatable flag standards or poles. 1,678,529; July 24.
- Peters, Roy, et al. (See Miller, Albert H., assignor.)
- Peters, Stephen, Omaha, Nebr. Combination tool. 1,670,001; May 15.
- Peters, Thomas K., Los Angeles, Calif., assignor to The Color Ray Holding Corporation, Denver, Colo. Illuminating appliance. 1,680,633; Aug. 14.
- Peters, Wilhelm, St. Jose, Costa Rica, O. Stier, and T. Kalinowsky, Heidelberg, Germany. Shipping and storing receptacle. 1,674,296; June 19.
- Peters, William A., jr. (See Baker, T., and Peters.)
- Peters, William A., jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rectifier apparatus. 1,673,373; June 12.
- Peters, William A., jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rectifying apparatus. 1,673,374; June 12.
- Peters, William G., Peoria, Ill., assignor to Westinghouse Electric and Manufacturing Company. Inclosable or folding wringer. 1,665,932; Apr. 10.
- Peters, William G., Peoria, Ill., assignor to Westinghouse Electric & Manufacturing Company. Cabinet wringer. 1,667,868; May 1.
- Peters, William G., Peoria, Ill., assignor to Westinghouse Electric & Manufacturing Company. Wringer mounting. 1,686,709; Oct. 9.
- Petersen, Albert C., Copenhagen, Denmark. Arrangement for closing boxes. 1,676,868; July 10.
- Petersen, Alfred, Frankfort-on-the-Main, Germany. Process and apparatus for concentrating caoutchouc and the like latices. 1,670,900; May 22.
- Petersen, Carl M., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Switch movement. 1,690,430; Nov. 6.
- Petersen, Christian, Portland, Me. Game board. 1,662,864; Mar. 20.
- Petersen, Clarence L., Richmond, Calif. Linoleum-covered baseboard. 1,663,774; Mar. 27.
- Petersen, Frederick P., San Francisco, Calif. Fruit splitter. 1,658,007; Jan. 31.
- Petersen, Fritz, and H. Krüssmann, assignors to firm of Tischler & Seichter, Recklinghausen-Süd, Germany. Device for opening and closing attic windows. 1,678,020; July 24.
- Petersen, Heinrich A. W., Gary, Ind. Refrigerator. 1,679,875; Aug. 7.
- Petersen, Heinrich A. W., Gary, Ind. Bilge suction strainer for ships. 1,690,700; Nov. 6.
- Petersen, John H. D., and J. W. Wilson, assignor to Link-Belt Company, Chicago, Ill. Shaker conveyer. 1,685,463; Sept. 25.
- Petersen, Oscar, assignor to Mills Novelty Company, Chicago, Ill. Damper control. 1,692,465; Nov. 20.
- Petersen, Paul W., Bay City, Mich. Apparatus for handling comestibles. 1,660,045; Feb. 21.
- Petersen, Paul W., Bay City, Mich. Refrigerating and preserving comestibles. 1,681,009; Aug. 14.
- Petersen, Paul W., Bay City, Mich. Refrigerating method and apparatus. 1,689,965; Oct. 30.
- Petersen, Peter, assignor of one-half to E. L. Parker, Los Angeles, Calif. Door catch and fastener. 1,681,679; Aug. 21.
- Petersen, Robert P., assignor to Henry W. Horst Company, Philadelphia, Pa. Sewer construction and method therefor. 1,673,637; June 12.
- Petersen, Thorvald, assignor to Reed Manufacturing Company, Erie, Pa. Method of and tool for cutting screw threads. 1,656,599; Jan. 17.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Chandelier. Des. 75,039; May 1.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Candle cup for lighting fixtures. Des. 75,040; May 1.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Loop for lighting fixture. Des. 75,041; May 1.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Plate for lighting fixtures. Des. 75,042; May 1.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Chandelier. Des. 75,043; May 1.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Manufacturing Company, Brooklyn, N. Y. Chandelier. Des. 76,041; Aug. 14.
- Petersen, Thorvald J., New York, assignor to The Globe Lighting Fixture Manufacturing Company, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 76,042; Aug. 14.
- Petersén, Wilhelm H., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protective relay for series releases. 1,655,237; Jan. 3.
- Petersén, Wilhelm H., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electromagnetic protective device. 1,655,334; Jan. 3.
- Petersime, Ray M., Gettysburg, Ohio. Regulator. 1,680,803; Aug. 14.
- Peterson, Adolphe C., Minneapolis, Minn. Charge-preparing cooling unit. 1,668,601; May 8.
- Peterson, Adolphe C., Minneapolis, Minn. Fuel-injection engine. 1,691,302; Nov. 13.
- Peterson, Adolphe C., Minneapolis, Minn. Automatic motor gear-changing means. 1,693,346; Nov. 27.
- Peterson, Albert, Richmond, Va. Woodworker's bench. 1,673,121; June 12.
- Peterson, Albert E., Chicago, Ill. Checkerwork and brick therefor. 1,687,786; Oct. 16.
- Peterson, Alfred J., Eland, Wis. Cultivator teeth. 1,677,596; July 17.
- Peterson, Alfred J. A., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer-switching system. 1,689,840; Oct. 30.
- Peterson, Alfred J. A., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,693,402; Nov. 27.
- Peterson, Alfred T., Crooked Rivers, Saskatchewan, Canada. Vehicle braking mechanism. 1,666,349; Apr. 17.
- Peterson, Andrew F., Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Sound producer. 1,690,177; Nov. 6.
- Peterson, Andrew O., Santa Barbara, Calif. Vehicle-operated switch. 1,695,121; Dec. 11.
- Peterson, Axel M., Denver, Colo. Anticreeper-rail and tie-plate construction for railways. 1,671,377; May 29.
- Peterson, Axel W., San Francisco, Calif. Wrench. 1,663,920; Mar. 27.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Warping apparatus. 1,656,605; Jan. 17.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Tying weavers' knots. 1,657,407; Jan. 24.

- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Yarn clearer or the like. 1,663,856; Mar. 27.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Yarn clearer or the like. 1,663,857; Mar. 27.
- Peterson, Burt A., Rockford, assignor to E. S. Nethercutt, Evanston, Ill. Tying weavers' knots. 1,664,571; Apr. 3.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Warper. 1,672,470; June 5.
- Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Combined yarn clearer and tension device. 1,672,471; June 5.
- Peterson, Burt A., Rockford, assignor, by mesne assignments to E. S. Nethercutt, Evanston, Ill. Winder. 1,686,102; Oct. 2.
- Peterson, Carl A., Alderwood Manor, Wash. Ironing machine. 1,663,669; Mar. 27.
- Peterson, Carl O., Lynn, Mass. Portable sun and wind-shielding device. 1,674,990; June 26.
- Peterson, Charles J. (See Smith, F. L., Caulfield, and Peterson.)
- Peterson, Charles W., Detroit, Mich. Electrical reproducer. 1,682,144; Aug. 28.
- Peterson, Charles W., Detroit, Mich. Loud speaker. 1,692,762; Nov. 20.
- Peterson, Clayton A., Rochester, assignor to Spaulding Fibre Company, Inc., North Rochester, N. H. Making counters. 1,656,234; Jan. 17.
- Peterson, Clifford, New York, N. Y. Toothbrush. 1,673,638; June 12.
- Peterson, Conrad N., Camp Kearney, Calif. Container-cap means. 1,681,743; Aug. 21.
- Peterson, Elmer C. (See Blossom, C. W., and Peterson.)
- Peterson, Eric S. (See Galdi, A., and Peterson.)
- Peterson, Erland F., Everett, assignor to The Goudey Gum Company, Boston, Mass. Kneading machine. 1,683,051; Sept. 4.
- Peterson, Ernest E., Carson Lake, Minn. Power shovel. 1,665,378; Apr. 10.
- Peterson, Ernest E., South Hibbing, Minn. Track-tamping machine. 1,684,109; Sept. 11.
- Peterson, Ernest W., Kansas City, Mo. Vending machine. 1,662,329; Mar. 13.
- Peterson, Ernst, Rockford, Ill. Cigarette and match dispenser. 1,690,699; Nov. 6.
- Peterson, Eugene, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical network and its operation. 1,665,325; Apr. 10.
- Peterson, Eugene, assignor to Western Electric Company, Incorporated, New York, N. Y. Modulation. 1,678,163; July 24.
- Peterson, Eugene, assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency-translating circuit. 1,687,225; Oct. 9.
- Peterson, Eugene, assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency signaling. 1,695,058; Dec. 11.
- Peterson, Folke S., Chicago, Ill. Pressure boiler. 1,689,211; Oct. 30.
- Peterson, Francis C., Everett, Wash. Rotary pump. 1,683,148; Sept. 4.
- Peterson, Frank J., Pittsburgh, Pa. Knob. 1,680,112; Aug. 7.
- Peterson, Fredolf J., Detroit, Mich. Supporting and sealing means for cyanide pots. 1,695,467; Dec. 18.
- Peterson, George, Chicago, Ill. Combined coat and hat rack. 1,658,252; Feb. 7.
- Peterson, George, Detroit, Mich. Form for pouring and method for facing. 1,658,738; Feb. 7.
- Peterson, George, assignor to Supreme Oilburner Company, Bayonne, N. J. Oil burner. 1,658,462; Feb. 7.
- Peterson, George A., Hollis, Okla. Sign. 1,674,565; June 19.
- Peterson, George H., Orange, Calif. Lawn-trimming tool. 1,690,944; Nov. 6.
- Peterson, Georgia, administratrix. (See Peterson, Gust A.)
- Peterson, Glenn M. (See Blincoe, Felix H., assignor.)
- Peterson, Gunnard P., assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Automatic-machine work transferer. 1,693,959; Dec. 4.
- Peterson, Gust A., deceased; G. Peterson, administratrix, assignor of one-half to G. E. Sellstrom, Chicago, Ill. Eye protector. 1,657,899; Jan. 31.
- Peterson, Gust A., deceased; G. Peterson, administratrix, assignor of one-half to G. E. Sellstrom, Chicago, Ill. Goggles and the like. 1,677,566; July 17.
- Peterson, Henry A., Mitchell, S. Dak. Automobile glare shield. 1,669,838; May 15.
- Peterson, Henry M. (See Duquaine, W., and Peterson.)
- Peterson, Johan G., Hartford, Conn. Electric connecting plug. 1,681,908; Aug. 21.
- Peterson, Johann G., West Hartford, Conn. Electric connecting plug. 1,670,068; Aug. 21.
- Peterson, John A., assignor to C. J. Turner and J. H. Young, Kansas City, Mo. Vapor moistener. 1,676,110; July 3.
- Peterson, John B., Blaine, Wash. Regulating valve for water troughs. 1,662,716; Mar. 13.
- Peterson, John J., Steubenville, Ohio. Cleaning and abrasive device. 1,663,059; Mar. 20.
- Peterson, John M., Milwaukee, Wis. Radio appliance. 1,666,505; Apr. 17.
- Peterson, John R., Sugar City, Idaho, assignor to Utah-Idaho Sugar Company, Salt Lake City, Utah. Sugar-spraying apparatus. 1,687,178; Oct. 9.
- Peterson, Jonathan, Brooklyn, assignor to Combination Machine Company, New York, N. Y. Can or box lid. 1,659,155; Feb. 14.
- Peterson, Jonathan, Brooklyn, assignor to Combination Machine Company, New York, N. Y. Pouch or container. 1,667,869; May 1.
- Peterson, Jonathan, Brooklyn, assignor to Combination Machine Company, New York, N. Y. Container and package for cigarettes, etc. 1,667,870; May 1.
- Peterson, Joseph A., College Station, Tex. Pliers. 1,666,467; Apr. 17.
- Peterson, Juel L., Rockford, Ill. Change-speed transmission mechanism. 1,692,859; Nov. 27.
- Peterson, Julius C., Elgin, Ill. Sweatband for hats. 1,655,773; Jan. 10.
- Peterson, Ole, Cleveland, Ohio. Bottle or jar cover. 1,687,179; Oct. 9.
- Peterson, Oscar, Dent, Minn. Toy pushcart. 1,681,876; Aug. 21.
- Peterson, Oscar, assignor to Mills Novelty Company, Chicago, Ill. Brake device. 1,665,753; Apr. 10.
- Peterson, Oscar, assignor to Mills Novelty Company, Chicago, Ill. Brake device. 1,666,144; Apr. 17.
- Peterson, Samuel H., and A. G. Anderson, Muskegon Heights, Mich. Window screen. 1,693,209; Nov. 27.
- Peterson, Thomas A., Onalaska, Wash. Log-sizing mechanism. 1,696,502; Dec. 25.
- Peterson, Uno G., Salt Lake City, Utah. Hinge. 1,693,992; Dec. 4.
- Peterson, Victor B., Poughkeepsie, N. Y. Wrench. 1,658,495; Feb. 7.
- Peterson, Walter C., assignor to Packard Motor Car Company, Detroit, Mich. Protective covering for aluminum bodies and making same. 1,672,280; June 5.
- Peterson, Walter R., Park Ridge, Ill., assignor to International Harvester Company. Disk scraper for harrows. 1,669,947; May 15.
- Peterson, William, assignor to Intertype Corporation, Brooklyn, N. Y. Safety stop means for typographical machines. 1,687,385; Oct. 9.
- Peterson, William R. (See Mussey, W. H., and Peterson.)
- Petilli, Vincent, Bronx, assignor to Butler Mfg. Corporation, Brooklyn, N. Y. Automatic window ventilator. 1,682,708; Aug. 28.
- Petitjean, Clifford O., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Transfer mechanism for upsetting machines. 1,693,664; Dec. 4.
- Petrie & Dorr Engineers, Inc. (See Hartmann, Ernest E., assignor.)
- Petrelli, Joseph V., Greenwich, Conn., assignor of one-twentieth to F. J. Kent, New York, N. Y. Razor-blade stropper. 1,667,819; May 1.
- Petrelli, Joseph V., New Rochelle, assignor to Tuttle & Bailey Manufacturing Company, New York, N. Y. Register. 1,696,252; Dec. 25.
- Petrescu, Mary, Wheat Stone, Saskatchewan, Canada. Sleeping bag. 1,678,125; July 24.
- Petri, Gunther H., Boston, Mass. Forming machine. 1,666,752; Apr. 17.
- Petri, Gunther H., assignor to Petri and Jones Company, Incorporated, Boston, Mass. Bread-making apparatus. 1,692,860; Nov. 27.
- Petri and Jones Company. (See Petri, Gunther H., assignor.)
- Petrie, Earnest J., and G. R. Hannan, Los Angeles, Calif. Battery. 1,673,421; June 12.
- Petrie, Edward R., New York, N. Y. Whistle. 1,688,348; Oct. 23.
- Petrie, Edward R., New York, N. Y. Whistle. 1,688,349; Oct. 23.
- Petrie, John, assignor to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Draft, dust, and weather excluder for hinged doors and windows. 1,659,700; Feb. 21.
- Petrie, John, assignor, to Donaldson Manufacturing Company Limited, Glasgow, Scotland. Draft, dust, and weather excluder for hinged doors and windows. 1,674,447; June 19.
- Petro, Howard E., Salt Lake City, Utah. Ore-concentrating apparatus. 1,675,955; July 3.
- Petroff, Grigori, Moscow, Russia, and P. Shestakoff, Paris, France. Production of washing agents. 1,661,620; Mar. 6.
- Petroff, Grigori, Moscow, Russia, and P. Shestakoff, Paris, France. Preparing phenol-formaldehyde condensation products. 1,684,142; Sept. 11.
- Petroff, Grigori, Moscow, Union of Soviet Socialist Republics. Process for the production of the condensation products of phenols with aldehydes. 1,693,461; Nov. 27.
- Petroleum Appliance Syndicate. (See Weisgerber, Edwin C., assignor.)
- Petroleum Heat and Power Company. (See Fesler, M. A., and MacRae, assignors.)
- Petroleum Heat and Power Company. (See Macrae, James N., assignor.)
- Petroleum Laboratories Inc. (See Vande Water, F. C., and Sunderman, assignors.)
- Petroleum Machinery Development Corporation. (See Langden, Jesse D., assignor.)

- Petroleum Reclamation Corporation. (See Ryder, H. M., and Bailey, assignors.)
- Petroleum Rectifying Company of California. (See Eddy, William O., assignor.)
- Petroleum Sand Products Corporation. (See Schwarz, Alfred, assignor.)
- Petrone, James V., Springfield, Mass. Mop. 1,668,465; May 1.
- Petry and Brandt. (See Brandt, Rudolph, assignor.)
- Petry, Jacob, Pittsburgh, Pa. Bottle. 1,687,689; Oct. 16.
- Petry, Jacob, Pittsburgh, Pa. Dental crown. 1,687,690; Oct. 16.
- Petsch, Everett C., Pleasant Dale, Nebr. System for preventing liquids from freezing. 1,684,197; Sept. 11.
- Petsche, Joseph D. (See Leustig, B. B., and Petsche.)
- Petschenig, Karl, Vienna, Austria, assignor to C. P. Goerz Optische Anstalt, Aktiengesellschaft, Akciova Spolecnost K. P. Goerz Opticky Ustav, Bratislava, Czechoslovakia. Breech sight for ordnance and machine guns. 1,684,681; Sept. 18.
- Pettee, Allen D., Mount Vernon, N. Y. Cable-marking machine. 1,677,927; July 24.
- Pettee, Allen D., Mount Vernon, and C. H. Shaw, Jackson Heights, N. Y. Covering for cables and the like. 1,675,421; July 3.
- Petterson, Harold A., Tientsin, China. Banjo-ukulele. Des. 74,317; Jan. 24.
- Pettersson, Vilhelm I., Gottenborg, Sweden. Machine for gathering sheaves in the form of cylindrical hollow bundles from mowed grasses, cereals, or the like. 1,656,336; Jan. 17.
- Pettibone Mulliken Company. (See Powell, Edward W., assignor.)
- Pettigrew, Charles W., Parkersburg, W. Va. Supplemental chair for automobiles and the like. 1,687,038; Oct. 9.
- Pettingell, Frederic A., and A. Carlson, assignors to Dayton-Wright Company, Dayton, Ohio. Back-spring construction for seats. 1,664,526; Apr. 3.
- Pettis, Clifton D., New York, N. Y. Brake shoe and making the same. 1,684,883; Sept. 18.
- Pettis, Clifton D., New York, N. Y. Molding. 1,688,350; Oct. 23.
- Pettit, Walter, Clare, Mich. Display device. 1,684,198; Sept. 11.
- Pettus, John M., Bell, Calif. Yieldable bulb-socket support. 1,696,504; Dec. 25.
- Petty, John, assignor to Jo Pet, Inc., Lebanon, Pa. Fire-tube boiler. 1,675,724; July 3.
- Petty, John, assignor to Jo Pet, Inc., Lebanon, Pa. Soot blower. 1,675,725; July 3.
- Petty, John, assignor to Jo Pet, Inc., Lebanon, Pa. Soot blower. 1,675,726; July 3.
- Petty, John, assignor to Jo Pet, Inc., Lebanon, Pa. Securing stay rods to plates. 1,675,727; July 3.
- Peuckert, Friedrich H., Dresden-Kaditz, Germany, assignor to E. Wildt, Leicester, Great Britain. Producing a fabric by combined knitting and weaving. 1,692,567; Nov. 20.
- Pevny, David, Los Angeles, Calif. Wedding ring. Des. 74,388; Feb. 7.
- Pew, Arthur E., Jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Mineral-oil vacuum still. 1,669,839; May 15.
- Pew, Arthur E., Jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Mineral-oil still. 1,674,918; June 26.
- Pew, Arthur E., Jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Producing high-viscous lubricating oil and high-grade asphalt from petroleum. 1,675,462; July 3.
- Pew, Arthur E., Jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Process and apparatus for separating gasoline from crude oil. 1,666,300; Apr. 17.
- Pew, Arthur E., Jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Process and apparatus for distilling mineral oil. 1,666,301; Apr. 17.
- Pew, Arthur E., Jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Process and apparatus for distilling mineral oil. 1,666,302; Apr. 17.
- Pew, Arthur E., Jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Distilling mineral oil. 1,668,602; May 8.
- Pew, Arthur E., Jr., Bryn Mawr, and H. Thomas, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Cracking mineral oil. 1,692,786; Nov. 20.
- Pew, Joseph N., Jr., Ardmore, assignor to Sun Oil Company, Philadelphia, Pa. Oil tank. 1,666,666; Apr. 17.
- Pew, Joseph N., Jr., Ardmore, assignor to Sun Oil Company, Philadelphia, Pa. Oil tank. 1,666,667; Apr. 17.
- Peyer, Julius. (See Billeter, O., Rothlin, and Peyer.)
- Peyser, Joseph, Mount Vernon, N. Y. Separating and feeding means. 1,670,377; May 22.
- Peyser, Joseph, Mount Vernon, N. Y. Speed accelerator for traveling containers or bodies. 1,696,360; Dec. 25.
- Peyton, Jerry W., and J. E. Lipschutz, Washington, D. C.; said Peyton assignor to said Lipschutz. Rotary time switch. 1,679,781; Aug. 7.
- Pezuto, Peter, Curwensville, Pa. Exercising apparatus. 1,660,234; Feb. 21.
- Pfächler, Richard. (See Lee, W. S., Pfächler, and Nabow.)
- Pfaff, Arthur H., Elyria, Ohio. Holder for spinning tops. 1,668,695; May 8.
- Pfaff, Henry C., assignor to Traffic and Street Sign Company, Newark, N. J. Signal standard. Des. 76,633; Oct. 16.
- Pfaffenbarger, Hans, Nuremberg, Germany. Toy vehicle. 1,678,785; July 31.
- Pfahl, Edward G., Rochester, N. Y. Apparatus for feeding and distributing vinegar stock. 1,670,164; May 15.
- Pfälzische Chamotte- und Thonwerke Schiffer & Kircher Aktiengesellschaft. (See Strack, Otto, assignor.)
- Pfanhauser, Wilhelm A. F., Leipzig, Germany. Withdrawal of vapors and gases from galvanotechnical tanks. 1,664,482; Apr. 3.
- Pfannenstiel, Harry, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic impulse transmitter. 1,661,012; Feb. 28.
- Pfannmüller, Wilhelm. (See Sator, K., and Pfannmüller.)
- Pfanstiehl, Carl, Highland Park, Ill., assignor to Pfanstiehl Radio Company. Radiofrequency amplifier. 1,670,782; May 22.
- Pfanstiehl Radio Company. (See Pfanstiehl, Carl, assignor.)
- Pfarr, Max, Lehnitz-on-the-Nordbahn, Germany. Hoeing machine. 1,671,311; May 29.
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydroelectric installation. 1,671,046; May 22.
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power installation. 1,671,047; May 22.
- Pfau, Arnold, assignor, to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydroelectric installation. 1,674,609; June 19.
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power installation. 1,674,610; June 19.
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Prime-mover-controlling means. 1,684,884; Sept. 18.
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 1,685,749; Sept. 25.
- Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing. 1,685,751; Sept. 25.
- Pfau, Arnold, Milwaukee, and B. Grob, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 1,685,750; Sept. 25.
- Pfautler Co., The. (See Geisinger, Elliott E., assignor.)
- Pfautler Company, The. (See Nichols, Edgar B., assignor.)
- Pfautser, Edward M., assignor to Blackhawk Manufacturing Company, Milwaukee, Wis. Socket wrench. 1,685,503; Sept. 25.
- Pfeffer, Morris, assignor to Enterprise Tinware Company, New York, N. Y. Sanitary refuse can. 1,677,043; July 10.
- Pfeifer, Bryan B., Chicago, Ill. License-plate lamp. 1,665,276; Apr. 10.
- Pfeifer, John, Springfield, Ohio. Adding machine. 1,663,726; Mar. 27.
- Pfeifer, Ferdinand A., assignor of forty-nine per cent to E. Craig, Springfield, Ohio. Circuit breaker and closer. 1,676,155; July 3.
- Pfeiffer, Adolf, assignor to the firm Elektrizitäts-Gesellschaft "Sanitas" m. b. H., Berlin, Germany. Surgical motor. 1,683,206; Sept. 4.
- Pfeiffer, Alice L. (See Bagley, James, assignor.)
- Pfeiffer-Braun, Jakob, Laupen, near Bern, Switzerland. Lacing fastening. 1,690,309; Nov. 6.
- Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Auxiliary feeding means for loading machinery. 1,654,829; Jan. 3.
- Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Portable loading machinery. 1,673,777; June 12.
- Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Gravity chute. 1,694,019; Dec. 4.
- Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Material-handling apparatus. 1,696,780; Dec. 25.
- Pfeiffer, Charles L., Bayside, assignor to Richard Hudnut, New York, N. Y. Bottle container or similar article. Des. 75,980; Aug. 7.
- Pfeiffer, Charles L., Bayside, assignor to Richard Hudnut, New York, N. Y. Bottle or similar container. Des. 76,043; Aug. 14.
- Pfeiffer, Christian, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Cartridge feeding device for automatic firearms. 1,692,277; Nov. 20.
- Pfeiffer, David C. (See Standerwick, R. G., and Pfeiffer.)
- Pfeiffer, Fred B., Akron, Ohio. Apparatus for building tires. 1,675,130; June 26.
- Pfeiffer, Fred B., Akron, Ohio. Apparatus for curing tires under internal pressure. 1,681,146; Aug. 14.
- Pfeiffer, George J. (See Faxon, H. S., and Pfeiffer.)
- Pfeiffer, George J., Providence, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom harness-strap connector. 1,668,124; May 1.
- Pfeiffer, Hermann E., Cincinnati, Ohio. Sausage-linking machine. 1,687,691; Oct. 16.
- Pfeiffer, Karl. (See Edeleanu, L., Pfeiffer, Gress, and Jodeck.)

- Pfeiffer, Richard, Newark, N. J. Lightning-fixture guard. Des. 75,869; July 24.
- Pfeil, Philip H., Chicago Heights, Ill. Antiskid chain. 1,696,448; Dec. 25.
- Pfeil, Roy C. (See Bloss, R. R., and Pfeil.)
- Pfeil, Roy C. (See Bloss, R. R., Pfeil, and Maurer.)
- Pfeil, Walter, and W. Kolmeier, Fredericksburg, Tex. Water heater. 1,665,506; Apr. 10.
- Pferdmenges, Heinrich Giesenkirchen, near Rheydt, assignor to Maschinen- und Apparatebau-Anstalt G. m. b. H., Rheydt, Germany. Temporary lock for valve handles. 1,670,002; May 15.
- Pfersch, Clarence L. (See Zomnir, J. E., and Pfersch.)
- Pfestroff, Ernesto, Porto Alegre, Brazil. Making wooden-soled shoes. 1,675,865; July 3.
- Pfiffer, Fred J., Los Angeles, Calif. Window-operating mechanism. 1,683,914; Sept. 11.
- Pfiffner, Emil, Fribourg, Switzerland. Earthing choking coil or voltage transformer for high voltages. 1,680,910; Aug. 14.
- Pfister, Leonard A., E. V. Henghan, and J. P. Marse, assignors of one-fourth to R. J. Waguespack, New Orleans, La. Nursing attachment for bottles. 1,659,784; Feb. 21.
- Pfister, William A. (See Price, E., and Pfister.)
- Pfizer, Charles, & Company. (See Pasternack, Richard, assignor.)
- Pfager, Harry M. (See Ashe, W. O., and Pfager.)
- Pfager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Booster-motor truck. 1,663,727; Mar. 27.
- Pfager, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Truck pedestal. 1,664,830; Apr. 3.
- Pfager, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Truck pedestal. 1,664,831; Apr. 3.
- Pfager, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive cradle. 1,674,795; June 26.
- Pfager, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,677,985; July 24.
- Pfager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Journal-box wear plate. 1,689,498; Oct. 30.
- Pfager, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive construction. 1,692,693; Nov. 20.
- Pfager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Booster-motor suspensions. 1,696,324; Dec. 25.
- Pfeeger, Cordean C., assignor to Sprout, Waldron & Co., Muncy, Pa. Conveyor-belt idler. 1,655,335; Jan. 3.
- Pfeiger, Johannes, Frankfort-on-the-Main, and A. Albert, Munich, Germany. Manufacture of new organic arsenic compounds. 1,661,301; Mar. 6.
- Pfeiger, Johannes, Frankfort-on-the-Main, and A. Albert, Munich, Germany. Production of unsymmetrical arseno compounds. 1,688,351; Oct. 23.
- Pfeiger, Kenneth W. (See Nyquist, H., and Pfeiger.)
- Pfimin, Jules. (See Gégaufl, C., and Pfimin.)
- Pfueger, Charles T. (See Adams, W. L., and Pfueger.)
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Hook holder for fishing rods. 1,662,983; Mar. 20.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,682,709; Aug. 28.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Spinner. 1,682,710; Aug. 28.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Striker spoon. 1,682,711; Aug. 28.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Lubricating device. 1,685,865; Oct. 2.
- Pfueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish scaler. 1,693,566; Nov. 27.
- Pfueger, Charles T., and W. L. Adams, assignors to The Enterprise Manufacturing Company, Akron, Ohio. Level-wind mechanism for fishing reels. 1,692,466; Nov. 20.
- Pfueger, Joseph E., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Attachment for securing lures to fishhooks and the like. 1,654,830; Jan. 3.
- Pflug, Clarence W., administrator. (See Pflug, Edward J.)
- Pflug, Edward J., deceased, Buffalo, N. Y.; C. W. Pflug, administrator. Automobile radiator core. 1,655,971; Jan. 10.
- Pflug, Frederick A., Kitchener, Ontario, Canada. Liquid-dispensing apparatus. 1,679,918; Aug. 7.
- Pfuger, Walter H., New York, N. Y. Railway rail. 1,668,335; May 1.
- Pfouts, Leroy S., assignor to The H. H. Miller Industries Company, Canton, Ohio. Mechanism for measuring batches of material. 1,674,991; June 26.
- Pfund, August H., Baltimore, Md. Measuring device. 1,673,266; June 12.
- "Pharmagans" Pharmaceutisches Institut Ludwig Wilhelm Gans A.-G. (See von Gans, Ludwig W., assignor.)
- Phelan, Louis A. M. Elkhart, Ind., assignor, by mesne assignments, to Absolute Con-Tac-Tor Corporation. Electric apparatus. 1,676,922; July 10.
- Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis., assignors to Absolute Con-Tac-Tor Corporation. Electrical switch. 1,675,131; June 26.
- Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis., assignors to Absolute Con-Tac-Tor Corporation. Electrical switch. 1,676,920; July 10.
- Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis., assignors to Absolute Con-Tac-Tor Corporation. Electrical apparatus. 1,676,921; July 10.
- Phelan, Louis A. M., and C. Hotchkiss, Beloit, Wis. Electrical switching device. 1,683,408; Sept. 4.
- Phelan, Louis A. M., Elkhart, Ind., and C. Hotchkiss, Milwaukee, Wis., assignors to Absolute Con-Tac-Tor Corporation. Electrical apparatus. 1,676,923; July 10.
- Phelan, Robert E., and S. P. Lowe, assignors to R. H. Channing, Jr., agent, Denver, Colo. Flotation concentration. 1,690,907; Nov. 6.
- Phelix, Otto E., Tully, N. Y. Globe manipulator. 1,666,468; Apr. 17.
- Phelon, Arthur E. (See Smith, E. L., and Phelon.)
- Phelon, Arthur E. (See Smith, E. L., Phelon, and Langhammer.)
- Phelp, Phil F., assignor of one-half to H. L. Bonnell, Los Angeles, Calif. Fruit-tree prop. 1,693,180; Nov. 27.
- Phelps, Albert W., Heber, Calif. Sizing apparatus for fruit, melons, vegetables, and the like. 1,696,554; Dec. 25.
- Phelps, Cyrus A., Huntington Park, assignor of one-third to A. J. Anderson and one-third to M. G. Barmore, Los Angeles, Calif. Making oil gas. 1,669,172; May 8.
- Phelps & Dewees et al. (See Uhl, George A., assignor.)
- Phelps, George H., Warehouse Point, Conn., assignor to T. E. Murray, Brooklyn, N. Y. Electric welding. 1,676,282; July 10.
- Phelps, George H., Warehouse Point, Conn., assignor to T. E. Murray, Brooklyn, N. Y. Electric welding. 1,684,108; Sept. 11.
- Phelps, George H., Warehouse Point, Conn., and T. E. Murray, Jr., Brooklyn, N. Y.; said Phelps assignor to said Murray. Electric pressing or forging machine. 1,658,056; Feb. 7.
- Phelps, James E., Lisbon, Iowa. Pump plunger. 1,663,610; Mar. 27.
- Phelps, James W., Chicago, Ill. Intermittent-current device. 1,672,859; June 5.
- Phelps, James W., Chicago, Ill. Electric receptacle. 1,694,141; Dec. 4.
- Phelps, James W., Chicago, Ill. Electric flasher. 1,694,142; Dec. 4.
- Phelps, Paul, Detroit, Mich. Chain belt. 1,660,354; Feb. 28.
- Phelps, Roscoe G., Cleveland, and L. Staudenmeir, Cleveland Heights, Ohio, assignors to General Electric Company. Machine for treating hollow glass articles. 1,655,290; Jan. 3.
- Phelps, Roscoe G., and A. Raus, Cleveland, Ohio, assignors to General Electric Company. Method and apparatus for making stems. 1,659,613; Feb. 21.
- Phelps, Spencer H., assignor to Blount Plow Works, Evansville, Ind. Clamp. 1,663,728; Mar. 27.
- Phelps, Stuart M., Pittsburgh, Pa. Photographic reproduction of objects in their natural colors or in monochrome. 1,675,300; June 12.
- Phelps, Wallace E. (See Gordon, F. A., and Phelps.)
- Phelps, Walter A. (See Bancroft, E. P., Burkholder, and Phelps.)
- Phelps, Walter A., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay circuit. 1,668,656; May 8.
- Phenix Lace Mills. (See Dodd, Alphonse M., assignor.)
- Phenolic Products Corporation. (See Lowe, Edgar L., assignor.)
- Phenolic Products Corporation. (See Nielsen, Emil J., assignor.)
- Phi Kappa Tau Fraternity, The. (See Bryant, Frank W., assignor.)
- Phifer, James S., Allentown, Pa., assignor to The American Steel and Wire Company of New Jersey. Wire-drawing block. 1,683,482; Sept. 4.
- Phiffer, Clark R., Schenectady, N. Y., assignor to General Electric Company. Adapter for vacuum tubes. 1,685,767; Sept. 25.
- Philadelphia Drying Machinery Company, The. (See Allsop, T., and Sibson, assignors.)
- Philadelphia Drying Machinery Company, The. (See Allsop, T., and Wigglesworth, assignors.)
- Philadelphia Drying Machinery Company, The. (See Greiner, William P., assignor.)
- Philadelphia Drying Machinery Company, The. (See Greiner, W. P., and Morshead, assignors.)
- Philadelphia Drying Machinery Company, The. (See Sibson, W. W., and Wigglesworth, assignors.)
- Philadelphia Drying Machinery Company, The. (See Wigglesworth, Harry H., assignor.)
- Philadelphia Last & Pattern Co. (See Lurcott, Charles E., assignor.)
- Philadelphia Quartz Company. (See Dedrick, Charles H., assignor.)
- Philadelphia Storage Battery Company. (See Grinditch, W. H., and Hunsberger, assignors.)
- Philadelphia Storage Battery Company. (See Holland, Walter E., assignor.)

- Philadelphia Storage Battery Company. (See Pearce, Hollingsworth, assignor.)
- Philadelphia Toboggan Company. (See Schmeck, Herbert P., assignor.)
- Philbrick, Frank B., deceased, Waterville, Me.; H. S. Philbrick, executor, Evanston, Ill., assignor to Waterville Iron Works, Waterville, Me. Paper-pulp shredder. 1,676,048; July 3.
- Philbrick, George W., Winthrop, Mass. Dog harness. 1,685,435; Sept. 25.
- Philbrick, Herbert S., executor. (See Philbrick, Frank B.)
- Philbrin Corporation. (See Brinton, William C., jr., assignor.)
- Philen, Richard S., Lufkin, Tex. Ullage rod. 1,658,536; Feb. 7.
- Phillip, Arnold, Chicago, Ill. Safety pin. 1,680,693; Aug. 14.
- Phillip, Otto, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Piston cooling. 1,678,957; July 31.
- Phillip, Richard, Eisenach, assignor to the firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Saxe-Weimar, Germany. Apparatus for the utilization and treatment of difficultly-manageable waste material. 1,687,886; Oct. 16.
- Phillip, Robert, Washington, D. C. Chamfering device. 1,662,936; Mar. 20.
- Philippi, Frank, Philadelphia, Pa. Utility case. 1,677,653; July 17.
- Philippi, George J., Brooklyn, N. Y. Resilient wheel. 1,659,156; Feb. 14.
- Philippi, Theodore F., East St. Louis, Ill. Bending machine. 1,666,909; Apr. 24.
- Philleo, Leigh H. (See Ashley, C. H., and Philleo.)
- Philipp, Ernest, Los Angeles, Calif. Card game. 1,678,576; July 24.
- Philippi, Arthur K., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Detector. 1,691,358; Nov. 13.
- Philips, Alfred, Frankfurt-on-the-Main, and M. Dabelow, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Morand azo dyestuffs and preparing them. 1,684,778; Sept. 18.
- Philips, Carl L. (See Bourgoignon, J. W. M., and Phillips.)
- Philips and Davies. (See Holmes, H. W., and Phillips, assignors.)
- Philips, Erwin B. (See Holmes, H. W., and Phillips.)
- Phillips, A. W., Limited. (See Dolman, John, assignor.)
- Phillips, Alfred T., Norwood, Ohio. Nail driver. 1,696,781; Dec. 25.
- Phillips, Arthur H., Hempstead, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Manifolded sales book. 1,666,506; Apr. 17.
- Phillips, Benjamin, Cincinnati, Ohio. Oil-dispensing cabinet. Des. 75,132; May 8.
- Phillips, Benjamin C. (See Cooke, A. G., and Phillips.)
- Phillips, Bernard, assignor of forty-nine per cent to Kwart Brothers, Miami, Fla. Wash-boiling apparatus. 1,674,566; June 19.
- Phillips, Brace A., East Lansdowne, Pa. Steam and hot-air generator. 1,676,046; July 3.
- Phillips, Bradford R., Haldilton, Okla. Composition of matter for use as a belt dressing. 1,657,685; Jan. 31.
- Phillips, Charles C., Detroit, Mich. Timer brush. 1,672,230; June 5.
- Phillips, Charles E., Cleveland, Ohio. Tobacco pipe. Des. 74,573; Feb. 28.
- Phillips, Charles F., Blackheath, London, England. Electrical transformer. 1,695,122; Dec. 11.
- Phillips, Charles H., jr., Richmond Hill, N. Y., assignor to Seneca Glass Co., Morgantown, W. Va. Goblet or similar article. Des. 74,801; Mar. 27.
- Phillips, Charles R. (See Smith, J. D., and Phillips.)
- Phillips, Charles W., New Castle, Pa. Plate feeder. 1,669,261; May 8.
- Phillips, Darius T., Chicago, Ill. Wheel. 1,678,530; July 24.
- Phillips, Darius T., Chicago, Ill. Wheel. 1,680,338; Aug. 14.
- Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
- Phillips, Elizabeth M., Clarendon, Va. Educational card game. 1,682,244; Aug. 28.
- Phillips, Elmer R. (See Kollman, B. H., and Phillips.)
- Phillips, Ernest B., East Chicago, and J. G. Stafford, Hammond, Ind., assignors, by mesne assignments, to The Gray Processes Corporation, Newark, N. J. Refining of hydrocarbon oils. 1,687,992; Oct. 16.
- Phillips, George G., Boston, Mass. Artificial tooth. 1,671,781; May 29.
- Phillips, George P., Boston, Mass. Articulator. 1,666,021; Apr. 10.
- Phillips, George P., Boston, Mass. Articulator. 1,666,022; Apr. 10.
- Phillips, George P., Boston, Mass. Dental articulator. 1,681,557; Aug. 21.
- Phillips, Henry D. (See Phillips, James M. and H. D.)
- Phillips, Henry W. L. (See Gwyer, A. G. C., and Phillips.)
- Phillips, Jacob A., Glen Ridge, N. J. Stocking. Des. 76,495; Oct. 2.
- Phillips, Jacob A., Glen Ridge, N. J. Stocking. Des. 76,496; Oct. 2.
- Phillips, James L., Ensley, Ala. Resilient wheel. 1,657,278; Jan. 24.
- Phillips, James M. and H. D., assignors to Phillips Machine Company, Stanford, Ky. Molding apparatus. 1,688,205; Oct. 16.
- Phillips, Jim C. (See Blevins, T. B., and Phillips.)
- Phillips, John E., Chicago, Ill., assignor to Mitchell, Woodbury Company, Boston, Mass. Plate or similar article. Des. 74,758; Mar. 20.
- Phillips, John H., Chicago, Ill. Hammer. 1,684,514; Sept. 18.
- Phillips, John X., jr., Washington, D. C., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,662,207; Mar. 13.
- Phillips, John X., jr., Washington, D. C., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,666,107; Apr. 17.
- Phillips, John X., jr., Washington, D. C., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,666,108; Apr. 17.
- Phillips, John X., jr., Washington, D. C., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,693,665; Dec. 4.
- Phillips-Jones Corporation. (See Morin, Louis H., assignor.)
- Phillips, Joseph, Guadalupe, Calif. Adjustable grouser wheel. 1,696,449; Dec. 25.
- Phillips, Leland A., Rochester, N. Y. Binder for carbon paper. 1,670,822; May 22.
- Phillips, Loyd F., St. Louis, Mo. Polishing device. 1,675,662; July 3.
- Phillips Machine Company. (See Phillips, James M. and H. D., assignors.)
- Phillips, Maurice M., Pittsburgh, Pa. Wireless receiving circuit. 1,674,448; June 19.
- Phillips, Morris G. P., London, England. Machine for cleaning the stems of tobacco leaves. 1,676,047; July 3.
- Phillips, Ray V., Brooklyn, N. Y. Insulated contact member. 1,686,251; Oct. 2.
- Phillips, Raymond C., assignor to W. S. Rush & Company, Los Angeles, Calif. Countersink machine. 1,685,200; Sept. 25.
- Phillips, Ross M. G., assignor of one-third to S. Muhlfelder and one-third to W. Schoenberger, New Haven, Conn. Detachable band for garments. 1,688,431; Oct. 23.
- Phillips, Stephen W., Prompton, Pa. Automobile jack. 1,661,575; Mar. 6.
- Phillips, Thomas H., jr., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Distance responsive controller. 1,661,677; Mar. 6.
- Phillips, Victor B., Cleveland, Ohio, assignor to Bourn Rubber Manufacturing Company, Providence, R. I. Footwear. 1,660,046; Feb. 21.
- Phillips, Walter H., Modesto, Calif. Vine cutter and weeder. 1,689,452; Oct. 30.
- Phillips, Wesley L., Fort Wayne, Ind. Air stand. 1,660,935; Feb. 28.
- Phillips, William L., Brockton, Mass. Spark plug. 1,671,740; May 29.
- Phillips, William L., Houston, Tex. Machine for topping cans. 1,677,928; July 24.
- Phillips, William S., Cameron, W. Va. Table and chair structure. 1,690,594; Nov. 6.
- Phly, Fernand, Pau, France. Loom for manufacturing nontraveling fabrics. 1,683,052; Sept. 4.
- Phipps, Harve H. (See Jewell, Danford, assignor.)
- Phipps, Harve H., et al. (See Fibiger, Augustus F., assignor.)
- Phipps, John T., Huntington Park, assignor to H. C. Smith Manufacturing Company, Whittier, Calif. Core drill. 1,663,025; Mar. 20.
- Phipps, John T., Huntington Park, assignor to H. C. Smith Manufacturing Company, Whittier, Calif. Core drill. 1,663,096; Mar. 20.
- Phipps, John T., Huntington Park, assignor to J. Grant, Los Angeles, Calif. Well apparatus. 1,678,073; July 24.
- Phipps, John T., Huntington Park, assignor to J. Grant, Los Angeles, Calif. Well apparatus. 1,678,074; July 24.
- Phipps, John T., assignor to J. Grant, Los Angeles, Calif. Expandable rotary underreamer. 1,678,075; July 24.
- Phoenix Glass Company, The. (See McCreary, Thomas W., assignor.)
- Phoenix Glass Co., The. (See Motz, Charles F., assignor.)
- Phoenix, Harold. (See Randon, T., and Phoenix.)
- Phoenix-Hermetic Company. (See Kowal, Walter, assignor.)
- Phonograph Company, The. (See Seabolt, Frank J., assignor.)
- Phosphate Mining Company, The. (See Harned, George T., assignor.)
- Phosphorus Hydrogen Company. (See Larasson, Markus, assignor.)
- Phosphorus-Hydrogen Company. (See Liljenroth, F. G., and Larasson, assignors.)
- Phosphorus Hydrogen Company. (See Miner, Claude G., assignor.)
- Photomaton Inc. (See Josepho, Anatol M., assignor.)
- Photometric Products Corporation. (See Ladd, Lester L., assignor.)
- Photostat Corporation. (See Caps, Arthur W., assignor.)
- Photostat Corporation. (See Caps, A. W., and Leininger, assignors.)
- Photostat Corporation. (See Greene, John S., assignor.)
- Plagneri, Umberto, San Francisco, Calif. Combination fountain pen and cigarette holder. 1,694,603; Dec. 11.

- Pi-Alamoder, Inc. (See Parr, George T., assignor.)
 Piatt, James L., assignor to P. S. Warriner, Wilkes-Barre, Pa. Tire-chain clip. 1,666,397; Apr. 17.
 Piazzoli, Louis P., jr., assignor to Capstan Glass Company, Connellsville, Pa. Sealed package and closure cap therefor. 1,693,250; Nov. 27.
 Picard, John. (See McLean, F. C., and Picard.)
 Picard, John B. (See Mahan, J. R., and Picard.)
 Picard, Richard A., New York, N. Y. Card index. 1,654,555; Jan. 3.
 Picco, John, New York, N. Y. Life-saving apparatus. 1,683,409; Sept. 4.
 Pich, Anna A., Indianapolis, Ind. Window-shade pull. Des. 75,645; June 26.
 Pichler, Fritz, New York, N. Y. Sounding toy. 1,655,291; Jan. 3.
 Pick, Albert, & Company. (See Sehlbach, Albert E., assignor.)
 Pick, Leonard A. (See Erion, O. L., and Pick.)
 Pick, Paul, assignor to The Kalbfleisch Corporation of New York, New York, N. Y. Container. 1,693,251; Nov. 27.
 Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,655,022; Jan. 3.
 Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical amplifier. 1,676,744; July 10.
 Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical reactance and method and apparatus. 1,676,745; July 10.
 Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Closed turned coil or loop aerial. 1,679,095; July 31.
 Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. High-tension electrical condenser. 1,696,895; Dec. 25.
 Pickard, Joseph A. (See Hele-Shaw, H. S., Stillman, and Pickard.)
 Pickell, Thetus D., assignor to A. V. Victorius & Company, New York, N. Y. Cleaning attachment for circular-knitting machines. 1,679,171; July 31.
 Pickens, Glen S., et al. (See Shope, David F., assignor.)
 Picker, James, New Rochelle, N. Y. X-ray protective glove. 1,689,212; Oct. 30.
 Pickrell, James, Hoopston, Ill., assignor to American Can Company, New York, N. Y. Finger-gauge-truing device. 1,682,245; Aug. 28.
 Pickering, Arthur L., deceased, Anderson, Ind. F. M. Pickering, administrator, assignor to Economy Governor Company, Anderson, Ind. Gas regulator. 1,674,625; June 19.
 Pickering, Clarence H. and J. Campbell, Seattle, assignors to Swan Heating Company, Seattle, Wash. Sheet-metal radiator. 1,667,357; Apr. 24.
 Pickering, Forrest M., Administrator. (See Pickering, Arthur L.)
 Pickering Governor Co., The. (See Crafts, Irving M., assignor.)
 Pickering, Joseph W., Topeka, Kans. Plasterer's float. 1,677,366; July 17.
 Pickering Lumber Company. (See Lynch, Charles W., assignor.)
 Pickett, Earle R. (See Howe, D. W., Pickett, and McBean.)
 Pickett, Edward, Memphis, Tenn. Sign. 1,668,378; May 1.
 Pickett, Herbert E., Baltimore, Md. Baseball game board. 1,687,180; Oct. 9.
 Pickett, Oliver B., Long Beach, Calif. Bolt and rod cutter. 1,694,561; Dec. 11.
 Pickett, Roswell C., Warrenville, and H. W. Thompson, assignors to Advertisers Service Bureau, Chicago, Ill. Form-roller control and timing device. 1,685,033; Sept. 18.
 Pickett, William J., Wilkes-Barre, Pa. Kit. 1,663,853; Mar. 27.
 Pickhard, George H., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Attachment for punch presses. 1,683,799; Sept. 11.
 Picking, William T. (See Grosvenor, J. E., and Picking.)
 Pickles, Albert S., Providence, R. I. Baby harness. 1,684,110; Sept. 11.
 Pickles, Charles, assignor to American Can Company, San Francisco, Calif. Vacuumizing and double seaming. 1,689,641; Oct. 30.
 Picklesimer, James E., Atlanta, Ga. Lamp attachment for sadiroons. 1,684,742; Sept. 18.
 Pickup, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator or agitator. 1,686,984; Oct. 9.
 Pickup, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Vibrator. 1,689,154; Oct. 23.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Heater. Des. 77,328; Dec. 25.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cookstove. 1,678,269; July 24.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cooking stove. 1,687,993; Oct. 16.
 Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Cookstove. 1,688,019; Oct. 16.
 Pickwick Corporation, The. (See Austin, Dwight E., assignor.)
 Pictorial Machinery Limited. (See Harris, Robert, assignor.)
 Picture Transmission Corporation. (See Ferree, M., and Wissmar, assignors.)
 Pidgeon, Elmer F., assignor of one-half to L. O. Draper, Spiceland, Ind. Combined shield and bracket support for double shades. 1,692,694; Nov. 20.
 Pidlisny, Paul, Chicago, Ill. Lawn mower and garden trimmer. 1,660,764; Feb. 28.
 Pieh, Henry E., assignor of one-half to H. S. Paige, Williston, N. Dak. Battery terminal. 1,690,310; Nov. 6.
 Pielstick, Gustav, assignor to the firm Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Vertical internal-combustion engine. 1,679,491; Aug. 7.
 Pielstick, Gustav, assignor to Maschinenfabrik-Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Starting device for starting combustion engines. 1,679,492; Aug. 7.
 Pieper, Albert G. L., assignor of one-half to R. Hofeller, Chicago, Ill. Punching and cutting tool. 1,667,012; Apr. 24.
 Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
 Pieper, Alphonse F., et al. (See Pieper, O. H., and Meitzler, assignors.)
 Pieper, Alphonse F., Rochester, N. Y. Cuspidor fixture. Des. 75,044; May 1.
 Pieper, Alphonse F., Rochester, N. Y. X-ray-tube shield. 1,672,423; June 5.
 Pieper, Henri, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Societe Anonyme, Liege, Belgium. Brake mechanism. 1,661,621; Mar. 6.
 Pieper, Henri, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Societe Anonyme, Liege, Belgium. Brake system for vehicles running on rails. 1,661,622; Mar. 6.
 Pieper, Henri, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Societe Anonyme, Liege, Belgium. Braking device for vehicles. 1,661,623; Mar. 6.
 Pieper, Henri, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Societe Anonyme, Liege, Belgium. Servo-brake. 1,661,624; Mar. 6.
 Pieper, Henri, Brussels, assignor to Compagnie Internationale des Freins Automatiques, Societe Anonyme, Liege, Belgium. Brake device. 1,661,625; Mar. 6.
 Pieper, Oscar H., et al. (See Pieper, O. H., and Meitzler, assignors.)
 Pieper, Oscar H., Rochester, N. Y. Cord-holding structure. 1,694,669; Dec. 11.
 Pieper, Oscar H., and C. R. Meitzler, assignors to O. H. Pieper and A. F. Pieper, Rochester, N. Y. Dental instrument. 1,684,143; Sept. 11.
 Pieper, Oscar H. and A. F., Rochester, N. Y. X-ray appliance. 1,687,509; Oct. 16.
 Piepgras, John, Paulina, Iowa. Sill and bolster clamp. 1,669,627; May 15.
 Pierce, Butler & Pierce Manufacturing Corporation. (See Reid, J., and Welch, assignors.)
 Pierce, Charles H., Wadena, Minn. Limb brace. 1,663,921; Mar. 27.
 Pierce, Charley. (See Ives, Claude, assignor.)
 Pierce, Clyde E., Detroit, Mich. Tire-setting machine. 1,656,606; Jan. 17.
 Pierce Development Company, The. (See Hoffman, Benjamin P., assignor.)
 Pierce, Earl F., deceased, Chicago, Ill.; Central Trust Company of Illinois, administrator, assignor to F. E. Pierce. Indicating means. 1,663,483; Mar. 20.
 Pierce, Earl F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Filter. 1,671,606; May 29.
 Pierce, Earl F., assignor to The Bassick Manufacturing Co., Chicago, Ill. Lubricating system. 1,679,493; Aug. 7.
 Pierce, Earl F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,680,170; Aug. 7.
 Pierce, Earl F., deceased, Winnetka, Ill.; Central Trust Company of Illinois, administrator, assignor to F. E. Pierce. Liquid-level gauge. 1,663,484; Mar. 20.
 Pierce, Earl F., deceased, Winnetka, Ill.; Central Trust Company of Illinois, administrator, assignor to F. E. Pierce. Liquid-level gauge. 1,663,485; Mar. 20.
 Pierce, Earl F., deceased, Winnetka, Ill.; Central Trust Company of Illinois, administrator, assignor to F. E. Pierce. Refrigerator. 1,668,781; May 8.
 Pierce, Earl F., Winnetka, assignor to The Bassick Manufacturing Company, Chicago, Ill. Filter. 1,671,607; May 29.
 Pierce, Earl F., Winnetka, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,675,424; July 3.
 Pierce, Edward M., and W. M. Carroll, Dayton, assignors to A. Davis, jr., Cincinnati, Ohio. Predeterminer and indicator. 1,684,926; Sept. 18.
 Pierce, Edwin B., Brooklyn, N. Y. Feeding device for book-sewing machines. 1,662,897; Mar. 20.
 Pierce Electric Company. (See Tideman, Selim N., assignor.)
 Pierce, Elwood K., Springfield, assignor to The Cast Steel Devices Company, Lima, Ohio. Boiler plug. 1,683,726; Sept. 11.

- Pierce, Esta M., assignor to The Bowling Green Poultry Supply Company, Bowling Green, Ohio. Chick brooder. 1,693,049; Nov. 27.
- Pierce, Florence E. (See Pierce, Earl F., assignor.)
- Pierce, Frank M., Chicago, Ill. Playground apparatus. 1,658,097; Feb. 7.
- Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Sole for sport shoes. 1,659,215; Feb. 14.
- Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Cleat for sport shoes. 1,687,634; Oct. 16.
- Pierce, George W., Lincoln, Nebr. Visible toaster. 1,666,398; Apr. 17.
- Pierce, George W., Cambridge, Mass., assignor to Submarine Signal Company, Portland, Me. Electric compensator. 1,682,712; Aug. 28.
- Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Coupling. 1,695,343; Dec. 18.
- Pierce, Harry, Brooklyn, N. Y., assignor, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Power-operated ironing and pressing machine. 1,690,431; Nov. 6.
- Pierce, Hodgson S. (See Link V., and Pierce.)
- Pierce, Hodgson S., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,656,607; Jan. 17.
- Pierce, Hodgson S., and J. H. Bourgon, Detroit, Mich., assignors to The Studebaker Corporation, South Bend, Ind. Top construction. 1,670,422; May 22.
- Pierce, Homer R. (See Lewis, J. O., and Pierce.)
- Pierce, John K., Fort Worth, Tex., assignor of one-half to W. S. Pierce, Murphy, N. C. Method of and apparatus for separating oils. 1,660,235; Feb. 21.
- Pierce, Lee D. (See Wright, W. L., and Pierce.)
- Pierce, Leon, New York, N. Y. Composite penetrator and shell for pikes. 1,675,663; July 3.
- Pierce, Leonard, Urbana, Ill. Rail joint. 1,656,988; Jan. 24.
- Pierce, Paul, Chicago, Ill. Printing attachment for wrapping machines. 1,693,864; Dec. 4.
- Pierce, Paul H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective signaling circuits. 1,675,866; July 3.
- Pierce, Raymond C., New York, N. Y. Refrigerating apparatus. 1,670,868; May 22.
- Pierce, Raymond C., St. Louis, Mo. Alarm of variable intensity. 1,691,081; Nov. 13.
- Pierce, Raymond T., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,656,013; Jan. 10.
- Pierce, Raymond T., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,658,902; Feb. 14.
- Pierce, Raymond T., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Metering system. 1,673,588; June 12.
- Pierce, Raymond T., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,686,639; Oct. 9.
- Pierce, Raymond T., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical metering system. 1,687,692; Oct. 16.
- Pierce, Raymond T., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control. 1,686,029; Oct. 2.
- Pierce, Raymond T., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Slip indicator. 1,686,638; Oct. 9.
- Pierce, Raymond T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Stability indicator and control system. 1,673,587; June 12.
- Pierce Renewable Fuses, Inc. (See Clemens, John G., assignor.)
- Pierce, Robert C., Belleville, N. J., assignor, by mesne assignments, to American Chain Company, Inc. Tire bead. 1,665,070; Apr. 3.
- Pierce, Robert C., Belleville, N. J., assignor, by mesne assignments, to American Chain Company, Inc. Weaving wire tape for tire beads. 1,670,045; May 15.
- Pierce, Robert C., Niles, Mich., assignor to National Standard Company. Tire-bead-reinforcing element. 1,669,173; May 8.
- Pierce, Robert C., assignor to National Standard Company. Niles, Mich. Bead for pneumatic tires. 1,681,680; Aug. 21.
- Pierce, Robert C., Akron, Ohio, assignor, by mesne assignments, to American Chain Company, Inc. Tire-bead construction. 1,670,044; May 15.
- Pierce, Robert E. (See Morrill, P. E., and Pierce.)
- Pierce, S. S. Co. (See Preston, Roger, assignor.)
- Pierce, Walter H., Watertown, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,677,869; July 17.
- Pierce, Walter H., Watertown, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,677,870; July 17.
- Pierce, Walter H., Watertown, Mass., assignor, by mesne assignments, to Alomite Manufacturing Corporation, Chicago, Ill. Lubricating apparatus. 1,693,565; Nov. 27.
- Pierce, Walter H., assignor to Carr Fastener Company, Cambridge, Mass. Nut and screw fastening. 1,690,078; Oct. 30.
- Pierce, William S. (See Pierce, John K., assignor.)
- Pierce, Willis M., and E. A. Anderson, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc-base alloy. 1,663,215; Mar. 20.
- Pierce, Winslow S., jr., Bayville, N. Y. Antifriction bearing. 1,675,728; July 3.
- Pierce, Winslow S., jr., Bayville, N. Y. Tire tool. 1,686,640; Oct. 9.
- Pierini, Attilio, Springfield, Gardens, N. Y., A. T. Hopkins, Cambridge, and H. M. Haven, Winchester, Mass. Apparatus for drying fur pelts. 1,684,927; Sept. 18.
- Pieroh, Kurt. (See Luther, M., Pieroh, and Kranepuhl.)
- Pierson, Benjamin J., assignor to D. H. P. Manufacturing Company, Inc., Johnstown, N. Y. Filter. 1,688,152; Oct. 16.
- Pierson, Donald Y. (See Huey, H. G., and Pierson.)
- Pierson, Edwin. (See Bentley, Joseph, assignor.)
- Pierson, Paul R. (See Cravey, J. B., and Pierson.)
- Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tank valve. 1,682,806; Aug. 28.
- Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flush-tank valve. 1,686,985; Oct. 9.
- Pierson, William D., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Spooling mechanism. Re16,859; Jan. 24.
- Pieters, Ray G., Chicago, Ill., assignor of one-half to A. N. Terry, Minneapolis, Minn. Steam applicator for wall-paper-removing apparatus. 1,679,172; July 31.
- Pietro fu Natale, Bisutti, Pordenone, Italy. Cement-molding apparatus. 1,655,023; Jan. 3.
- Pietro fu Natale, Bisutti, Pordenone, Italy. Cement-molding apparatus. 1,655,024; Jan. 3.
- Pietrusiak, Frank, St. Paul, Minn. Core-making machine. 1,667,079; Apr. 24.
- Pietsch, Charles H., assignor to The Floorola Corporation, Baltimore, Md. Wax distributor for floor-polishing machines. 1,674,058; June 19.
- Pietsch, James A., St. George, N. Y. Door. Des. 76,494; Oct. 2.
- Pietzsch, Emil. (See Körner, Bruno H., assignor.)
- Pietzsch, Frank H., and S. H. Campbell, assignor to Western Railway Equipment Company, St. Louis, Mo. Retaining-valve holder. 1,691,784; Nov. 13.
- Pifer, Charles, Youngstown, Ohio. Duplex train safety device. 1,670,003; May 15.
- Pifer, George N., Cleveland, Ohio, assignor, by mesne assignments, to American Phototure Company, New York, N. Y. Automatic photographing machine. 1,682,931; Sept. 4.
- Pigeolet, René, Brussels, assignor to Société Anonyme Compagnie Internationale des Freins Automatiques, Liege, Belgium. Brake mechanism. 1,673,528; June 12.
- Pigeon, Albert M., Philadelphia, assignor to Wildman Mfg. Co., Norristown, Pa. Circular-knitting machine. 1,689,681; Oct. 30.
- Pigeon, Joseph E., Hollywood, Calif. Aeronautics. 1,684,240; Sept. 11.
- Pigg, Wharton H., Canon City, Colo. Seed-potato cutter. 1,681,681; Aug. 21.
- Pignanelli, Luigi, Tacoma, Wash. Shoe. 1,682,184; Aug. 28.
- Pike, Albert, Winthrop, assignor to Darlo Company, Boston, Mass. Dishwashing apparatus. 1,681,362; Aug. 21.
- Pike, Edwin F., Chester, and H. F. Smyth, Wayne, Pa., assignors, by mesne assignments, to Commercial Solvents Corporation. Producing acetone and butyl alcohol by fermentation. 1,655,435; Jan. 10.
- Pike, George J. (See Gunlocke, W. H., and Pike.)
- Pike, George J., Grand Rapids, Mich., assignor to Star Furniture Company, Jamestown, N. Y. Bedstead. Des. 76,954; Nov. 20.
- Pike, Gideon A. (See Roberts, W. T., and Pike.)
- Pike, Robert D. (See Pike, R. D., West, and Little, assignors.)
- Pike, Robert D., San Francisco, Calif. Multiple-hearth calcining furnace. 1,674,919; June 26.
- Pike, Robert D., San Francisco, Calif. Production of wrought iron direct from electrolytic iron. 1,675,867; July 3.
- Pike, Robert D., Piedmont, and R. Cummings, Berkeley, Calif.; said Cummings assignor to said Pike. Producing potassium salts and by-products. 1,686,835; Oct. 9.
- Pike, Robert D., Piedmont, G. H. West, Berkeley, and B. P. Little, Oakland, Calif.; said West and Little assignors to said Robert D. Pike. Cell for electrodeposition of metals. 1,689,597; Oct. 30.
- Pilant, Charles A., New Orleans, La. Separator. 1,695,156; Dec. 11.
- Pilbrow, Alfred G., Chicago, Ill. Pass book for banks. 1,664,897; Apr. 3.
- Pilcher, John A., Roanoke, Va. Coupler attachment. 1,681,781; Aug. 21.
- Pilcher, John A., Roanoke, Va. Coupler attachment. 1,681,782; Aug. 21.
- Pilcher, John A., Roanoke, Va. Draft connection. 1,681,783; Aug. 21.
- Pilcher, John A., Roanoke, Va. Coupler yoke. 1,681,784; Aug. 21.
- Pilgrim, Frederick J., Detroit, Mich. Softening compound. 1,687,787; Oct. 16.
- Pilkington Brothers Limited. (See Armstrong, Alan, assignor.)

- Pilkington Brothers Limited. (See Slocombe, Frank E., assignor.)
- Pilkington Brothers, Limited. (See Taylor, Robert F., assignor.)
- Pilkington Brothers Limited. (See Waldron, Frederic, assignor.)
- Pilkington Brothers Limited. (See Waldron, Frederic B., assignor.)
- Pillatos, Harry W., assignor of one-third to J. B. Garras and one-third to G. B. Garras, Spokane, Wash. Switch-point operating and locking mechanism. 1,656,498; Jan. 17.
- Pilley Packing & Flue Brush Manufacturing Company. (See Shultz, Llewellyn B., assignor.)
- Pilling, George P., & Son Company, The. (See Rieger, Otto P., assignor.)
- Pilling, Norman B., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Treating alloys. 1,671,484; May 29.
- Pilling, Norman B., Elizabeth, and J. G. Schoener, Bayonne, N. J., assignors to The International Nickel Company, New York, N. Y. Welding electrodes. 1,679,002; July 31.
- Pilling, Norman B., Elizabeth, and J. G. Schoener, Bayonne, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Welding rod. 1,679,003; July 31.
- Pillot, Nestor J., Santiago, Cuba. Automatic needle-dispensing device. 1,655,393; Jan. 3.
- Pilot Electric Manufacturing Company. (See Geloso, John, assignor.)
- Pilot Electric Manufacturing Company, The. (See Horton, Charles, assignor.)
- Pilot Laboratory, Inc. (See Stoddard, W. B., and Kkatnurr, assignors.)
- Pinard, Joseph L., Sherbrooke, Quebec, Canada. Ash tray. Des. 74,998; Apr. 24.
- Pinaud Incorporated. (See Michelin, Marcel M., assignor.)
- Pinaud Incorporated. (See Riegel, George F., assignor.)
- Pinck, Louis A. (See Hetherington, H. C., and Pinck.)
- Pinckney, Arthur S., Dayton, Ohio. Drinking cup and the like. 1,692,951; Nov. 27.
- Pinckney, Charles C., Birmingham, Ala. Railway-car bolster. 1,664,224; Mar. 27.
- Pinckney, William E., Portland, Oreg. Washing machine. 1,696,253; Dec. 25.
- Pine, Charles F., Oklahoma City, Okla. Pole. 1,680,172; Aug. 7.
- Pine Institute of America, Incorporated. (See Kesler, Carl C., assignor.)
- Pine, Paul R., Salina, Kans. Trap. 1,657,482; Jan. 31.
- Pine, Percy S., Salina, Kans. Clarifier. 1,683,483; Sept. 4.
- Pine-Waste Products, Inc. (See Waern, Adolph W., assignor.)
- Pineles, Solomon M. (See Slepian, J., and Pineles.)
- Pineles, Solomon M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lighting arrester. 1,655,972; Jan. 10.
- Pineles, Solomon M., Chicago, Ill., assignor to H. B. Staver. Dog-racing apparatus. 1,681,193; Aug. 21.
- Pinell, Walter, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt bei Berlin, Germany. Automatic telephone system. 1,669,174; Mar. 8.
- Pinell, Walter, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 1,696,254; Dec. 25.
- Pines Winterfront Company. (See Raleigh, James F., assignor.)
- Pinkel, Albert F., and M. J. Brunner; said Brunner assignor of his entire right to G. P. Berner, Buffalo, N. Y. Apparatus for storing and cutting block material. 1,679,004; July 31.
- Pinkerton, Clarence S., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fuel-flow regulator for constant heat. 1,682,684; Aug. 28.
- Pinkerton, Edward E., assignor to M. A. Pinkerton, Chicago, Ill. Egg holder. 1,665,420; Apr. 10.
- Pinkerton, Howard K., and F. L. Rhyndress, Kansas City, Mo. Fountain tank. 1,692,223; Nov. 20.
- Pinkerton, Mary A. (See Pinkerton, Edward E., assignor.)
- Pinkham, Clarence A., Jackson Heights, assignor to A. Dorsey, New York, N. Y. Drive for radio tuning mechanism. 1,674,738; June 26.
- Pinkus, Abraham S., New York, N. Y. Screw driver. 1,687,788; Oct. 16.
- Pinkus, Abraham S., New York, N. Y. Adjustable wrench. 1,693,347; Nov. 27.
- Pinney, Mary M., Hagerstown, Md. Serving dish. 1,677,845; July 17.
- Pino, Vicente, New York, N. Y. Ceiling and wall washing machine. 1,660,207; Feb. 21.
- Pinten, John, Detroit, Mich. Display cabinet. 1,655,560; Jan. 10.
- Pinto, Joseph, Philadelphia, Pa. Radio slot machine. 1,680,634; Aug. 14.
- Pioda, Louis E. W., San Francisco, Calif. Process of and apparatus for controlling the movement of masses of solids of various sizes. 1,663,173; Mar. 20.
- Pioneer Instrument Company. (See Colvin, Charles H., assignor.)
- Pioneer Rubber Company, The. (See Callahan, Christian E., assignor.)
- Pioneer Suspender Company. (See Bloomberg, Casper, assignor.)
- Pioneer Suspender Company. (See Peter, Henry A., assignor.)
- Pioneer Suspender Company. (See Simmons, Frederick C., assignor.)
- Piper, Walter F. (See Beardsley, E. O., and Piper.)
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Welding rod. 1,681,904; Aug. 21.
- Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail-connecting device. 1,684,885; Sept. 18.
- Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Electric-lamp bulb. 1,687,510; Oct. 16.
- Pipkin, Wilbur A. (See Van Horn, I. H., and Pipkin.)
- Pippert, Willis J., Ridgelyville, Me. Printing impression plate and making same. 1,677,929; July 24.
- Pippin, Raymond E., Zebulon, N. C. Bracket. 1,655,336; Jan. 3.
- Pippin, Raymond E., Zebulon, N. C. Adjustable shade-roller support. 1,659,834; Feb. 21.
- Piquerez, Emile, Paris, France, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,655,436; Jan. 10.
- Piquerez, Emile, Paris, France, assignor to The Bassick Manufacturing Company, Chicago, Ill. Double-action lubricant compressor. 1,682,932; Sept. 4.
- Piquerez, Emile, Paris, France, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,687,789; Oct. 16.
- Piquerez, Emile, Paris, France, assignor to Alemite Manufacturing Corporation, Chicago, Ill. Lubricant compressor. 1,694,624; Dec. 11.
- Piron Coal Distillation Systems, Inc. (See Piron, Emil, assignor.)
- Piron, Emil, assignor to Piron Coal Distillation Systems, Inc., New York, N. Y. Apparatus for absorbing fluids from gases. 1,664,483; Apr. 3.
- Piron, Emil, assignor to Piron Coal Distillation Systems, Inc., New York, N. Y. Removing tar from gases. 1,664,484; Apr. 3.
- Pirrone, Antonio L. M., assignor of one-half to H. A. Klingensmith, New Kensington, Pa. Apparatus for cleaning and polishing plate glass. 1,674,263; June 19.
- Pisarcik, Andro, Vandergrift, assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Rolling-mill guide. 1,675,820; July 3.
- Pisciotta, Carl C., Highland Park, N. J. Windshield wiper. 1,683,053; Sept. 4.
- Pisi, Unito, Philadelphia, Pa. Steam boiler. 1,689,966; Oct. 30.
- Pistor, Gustav, Bitterfeld, and E. Borsbach, Bitterfeld-Sandersdorf, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purifying gases containing phosphorus. 1,692,787; Nov. 20.
- Pitcairn, Harold F. (See Brewer, Robert W. A., assignor.)
- Pitcairn, William S., Corporation. (See Merriman, Thomas C., assignor.)
- Pitcher, Elbridge S., Auburn, Me. Combination piano jack and truck. 1,667,267; Apr. 24.
- Pitchford, C. E., et al. (See Simpson, Arthur E., assignor.)
- Pitkin, Arthur F., and R. P. La Porte, Schenectady, N. Y. Gear casing. 1,685,202; Sept. 25.
- Pitkin, George D., assignor to Lane Manufacturing Company, Montpelier, Vt. Stoneworking machine. 1,683,298; Sept. 4.
- Pitkin, George D., assignor to Lane Manufacturing Company, Montpelier, Vt. Worktable. 1,683,299; Sept. 4.
- Pitkin, George P., Bergenfield, N. J. Local anesthetic syringe. 1,681,744; Aug. 21.
- Pirkin, John H. (See Frasier, Marion E., assignor.)
- Pitman, Henry L., Westfield, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,741; Aug. 7.
- Pitman, Henry L., Westfield, N. J., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Computing machine. 1,684,515; Sept. 18.
- Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Postage meter. 1,657,279; Jan. 24.
- Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Registering mechanism for postage meters, etc. 1,657,316; Jan. 24.
- Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Postage-meter-register locking and resetting device. 1,658,572; Feb. 7.
- Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Printing mechanism for parcel-post postage meter machines. 1,680,114; Aug. 7.
- Pitney, Arthur H., and J. W. Ogden, assignors, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Printing and registering mechanism. 1,680,113; Aug. 7.
- Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
- Pitney-Bowes Postage Meter Company. (See Pitney, A. H., and Ogden, assignors.)
- Pitney-Bowes Postage Meter Company. (See Sheldrick, George E., assignor.)

- Pitt, Benjamin F., and E. R. McKenzie, Topeka, Kans. Insignia pennant. 1,672,134; June 5.
- Pitt, Frederick D., assignor to The Anderson-Pitt Corporation, Kansas City, Mo. Electric heater. 1,671,378; May 29.
- Pitt, Guy L., Rocky Mount, N. C. Road sign. Des. 75,696; July 3.
- Pitt, Harry, Elizabeth, N. J. Amusement racing device. 1,684,199; Sept. 11.
- Pitt, Robert B., Bath, assignor to Stothert & Pitt, Limited, Newark Works, Bath, England. Rope conveyer. 1,686,030; Oct. 2.
- Pitt-Taylor, Francis S., Blackpool, England. Concertina. 1,659,414; Feb. 14.
- Pitt, William L., Cleveland, Ohio. Dusting apparatus. 1,666,350; Apr. 17.
- Pittelkow, August, Chicago, Ill., assignor to American Can Company, New York, N. Y. Interchangeable-cover cracker can. 1,676,621; July 10.
- Pitter, Walter C., West Dulwich, London, England. Clutch for transmitting rotary motion. 1,664,320; Mar. 27.
- Pittman, Leon V. (See Noble, W., and Pittman.)
- Pittman, Mimosa G. (See Lundius, Eric R., assignor.)
- Pittman, Walter F., Kenley, N. C. Fertilizer distributor. 1,660,047; Feb. 21.
- Pittoni, Louis E., Jamaica, N. Y., assignor to The Rome Company, Inc. Interlocked helical spring. 1,659,332; Feb. 14.
- Pittoni, Louis E., Jamaica, and G. F. Slisbower, Flushing, N. Y., assignors to Rome Metallic Bedstead Company. Connecting means for springs. 1,663,315; Mar. 20.
- Pitts, Edmund M., assignor to Sunland Sales Cooperative Association, Fresno, Calif. Display container. 1,677,654; July 17.
- Pitts, William B., New York, N. Y., assignor to Whiting-Patterson Company, Inc. Cover paper or the like. Des. 76,702; Oct. 23.
- Pittsburgh Coal Company. (See Gray, Thomas W., assignor.)
- Pittsburgh Forgings Company. (See Stocking, Walter, H., assignor.)
- Pittsburgh Plate Glass Company. (See Brown, Christopher, assignor.)
- Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)
- Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
- Pittsburgh Plate Glass Company. (See Gelstharpe, Frederick, assignor.)
- Pittsburgh Plate Glass Company. (See Golightly, William J., assignor.)
- Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)
- Pittsburgh Plate Glass Company. (See Heichert, Herman S., assignor.)
- Pittsburgh Plate Glass Company. (See Hileman, Austin C., assignor.)
- Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)
- Pittsburgh Plate Glass Company. (See Kutchka, Karl G., assignor.)
- Pittsburgh Plate Glass Company. (See Kutchka, K. G., and Swartzlander, assignors.)
- Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
- Pittsburgh Plate Glass Company. (See Means, Dwight R., assignor.)
- Pittsburgh Plate Glass Company. (See Oakes, Travis and A. C., assignors.)
- Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
- Pittsburgh Plate Glass Company. (See Schneider, Frederick W., assignor.)
- Pittsburgh Plate Glass Company. (See Showers, Lee, assignor.)
- Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)
- Pittsburgh Research Corporation. (See Moore, William E., assignor.)
- Pittsburgh Screw and Bolt Corporation. (See Reniers, James H., assignor.)
- Pittsburgh Steel Company. (See Benedict, Edward L., assignor.)
- Pittsburgh Steel Company. (See Bull, George E., assignor.)
- Pittsburgh Steel Company. (See Eickhoff, Theodore H., assignor.)
- Pittsburgh Steel Company. (See Johnson, August, G., assignor.)
- Pittsburgh Steel Drum Company. (See McCrery, Harold E., assignor.)
- Pittsburgh Steel Drum Company. (See McCrery, H. E., and Jesser, assignors.)
- Pittsburgh Steel Foundry Corporation. (See Haskell, Broderick, assignor.)
- Pittsburgh Taximeter Company. (See Richert, Paul, assignor.)
- Pittsburgh Train Control Company. (See Williamson, Arba G., assignor.)
- Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)
- Pittsburgh Transformer Company. (See Horelick, Samuel, assignor.)
- Pitzman, Marsh, St. Louis, Mo. Internal-combustion engine. 1,680,567; Aug. 14.
- Piver, William C., Hillside, N. J. Making calcium arsenate. 1,667,490; Apr. 24.
- Piver, William C., Hillside, N. J. Making commercial calcium arsenate. 1,667,491; Apr. 24.
- Pivoto, Felix L., Beaumont, Tex. Valve mechanism. 1,676,666; July 10.
- Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 1,679,266; July 31.
- Place, Leslie W., et al. (See Fletcher, George V., assignor.)
- Place, Roland P., Midland, Mich. Emery-wheel dresser. 1,689,930; Oct. 30.
- Place, Roland P., Midland, Mich. Hood catch. 1,689,931; Oct. 30.
- Plaggmier, Robert C., Taylor, assignor to National Survault Company, Bismarck, N. Dak. Burial vault. 1,663,464; Mar. 20.
- Plagwitz, Paul, Berlin-Steglitz, assignor to the firm: E. Taeschner Chemisch-Pharmazeutische Fabrik, Berlin, Germany. Reducing photographic silver image layers. 1,656,235; Jan. 17.
- Plaisted, Edgell R., Montpelier, Vt. Stonecutting machine. 1,671,872; May 29.
- Plaisted, Harold M., St. Louis, Mo. Rotary pivoted hammer. 1,655,238; Jan. 3.
- Planell, Fernando C., Sabadell, Spain. Scouring machine for washing fabrics of wool and their mixtures. 1,665,977; Apr. 10.
- Plane-Speaker Corporation. (See Adair, S. E., and Knapp, assignors.)
- Plane-Speaker Corporation. (See Coburn, J. M., and Knapp, assignors.)
- Planess, Maurice, Alger, France. Plow. 1,665,041; Apr. 3.
- Planet Company, The. (See Gowdy, Harry M., assignor.)
- Plant, James E. (See Crossley, Frank, assignor.)
- Plant, Leland G., Chicago, Ill. Locomotive terminal. 1,686,103; Oct. 2.
- Plant, Thomas G. (See Mills, S., and Plant.)
- Plante, Charles A., Cudahy, Wis. Condiment holder. 1,671,163; May 29.
- Plante, Charles A., assignor of one-fourth to P. R. Kaproth, Madison, Wis. Receiver. 1,679,986; Aug. 7.
- Plante, Emma, et al. (See Lapierre, G. J., and Gilligan, assignor.)
- Plante, Joseph W., et al. (See Lapierre, G. J., and Gilligan, assignor.)
- Planters Nut & Chocolate Co. (See Peruzzi, Mario, assignor.)
- Plantinga, Pierre, deceased, Cleveland, Ohio; The Cleveland Trust Company, executor. Carbonizing and gas-making apparatus. 1,663,522; Mar. 20.
- Plantinga, Pierre, deceased, Cleveland, Ohio; The Cleveland Trust Company, executor. Conserving heat generated in gas-making apparatus. 1,673,589; June 12.
- Plantinga, Pierre, deceased, Cleveland, Ohio; The Cleveland Trust Company, executor. Control means for gas apparatus. 1,683,372; Sept. 4.
- Plass, Martin, Philadelphia, Pa. Governor. 1,673,843; June 19.
- Plass, Robert H., Upper Montclair, N. J., assignor to Poloris Company, Inc., New York, N. Y. Packaging machine. 1,661,848; Mar. 6.
- Plass, Robert H., Upper Montclair, N. J., assignor to Poloris Company, Inc., New York, N. Y. Poultice-making machine. 1,677,685; July 17.
- Plasse, Wilfred J. (See Duquette, I. L., Plasse, and Merrill.)
- Plassmann, Josef, Duisburg, Germany. Retort for carbonizing bituminous fuels. 1,671,448; May 29.
- Plastold Products, Inc. (See Rount, O. L., and Greenleaf, assignors.)
- Plate, Sten V. C., Chicago, Ill. Device for separating liquid from solid material. 1,676,459; July 10.
- Plath, Arthur F., Spokane, Wash. Folding rule. 1,670,635; May 22.
- Platon, John E., Jonkopung, Sweden. Writing and drawing pencil. 1,657,408; Jan. 24.
- Platt, Archie W., Toledo, assignor to The Edward Ford Plate Glass Company, Rossford, Ohio. Continuous glass-polishing means. 1,666,347; Apr. 17.
- Platt Brothers and Company Limited et al. (See Oxley, Arthur E., assignor.)
- Platt, Doris I., Rapid City, S. Dak. Sash fastener. 1,688,246; Oct. 16.
- Platt, Haviland H., Wallingford, Pa. Internal-combustion engine. 1,687,348; Oct. 9.
- Platt, Henry. (See Platt, John, W., and H.)
- Platt, Herbert. (See Dreyfus, C., and Platt.)
- Platt Iron Works Incorporated. (See Wells, Edward C., assignor.)
- Platt, John, W., and H., Roubaix, France. Card clothing. 1,660,492; Feb. 28.
- Platt, John W., and H., Harrow, England. Carding engine or machine. 1,685,658; Sept. 25.
- Platt, Joseph, Detroit, Mich. Amplifier. 1,666,303; Apr. 17.
- Platt, Joseph, Detroit, Mich. Pass tray. 1,673,882; June 19.
- Platt, Joseph, Detroit, Mich. Bank-protecting device. 1,683,800; Sept. 11.
- Platt, Maitland S. (See Platt, William E. and M. S.)
- Platt, William. (See Platt, John, W., and H.)

- Platt, William E. and M. S., Toronto, Ontario, Canada. Display device. 1,685,336; Sept. 25.
- Platten, Emmet, Green Bay, Wis. Refrigerating counter. 1,655,025; Jan. 3.
- Platter, Orval R., and J. T. Ball, North Vernon, Ind. Sound amplifier. 1,671,543; May 29.
- Platz, J. C., trustee. (See Shanaberger, Charles W., assignor.)
- Plaus, Harley O. (See Kirwin, T., and Plaus.)
- Plaut, Herman, assignor to L. Plaut & Company, Incorporated, New York, N. Y. Lighting fixture. 1,686,571; Oct. 9.
- Plaut, L., & Company. (See Plaut, Herman, assignor.)
- Playfoot, Edward J., Galetton, Pa. Game. 1,666,718; Apr. 17.
- Playground Equipment Corporation, The. (See Burbridge, Clarence B., assignor.)
- Playground & Gymnasium Equipment Company. (See Hire, Merrill J., assignor.)
- Playmor Golf, Inc. (See Lange, C. H., and Vollert, assignors.)
- Pleasant, John W., Valley Junction, Iowa. Coil winder. 1,654,831; Jan. 3.
- Pleasant, John W., Valley Junction, Iowa. Coil spreader. 1,658,300; Feb. 7.
- Pleger, John J., Chicago, Ill. Book-back-gluing machine. 1,690,945; Nov. 6.
- Pleister, Henry W., Westfield, assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Oscillating centrifugal machine. 1,658,650; Feb. 7.
- Pleister, Henry W., Westfield, N. J., assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Machine and process for removing excess molten material. 1,662,537; Mar. 13.
- Pleister, Henry W., Westfield, assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Drivescrew expansion and method. 1,667,268; Apr. 24.
- Pleister, Henry W., Westfield, assignor, by mesne assignments, to Henry B. Newhall Corporation, Garwood, N. J. Drill blade. 1,688,153; Oct. 16.
- Pleister, Henry W., Westfield, and J. Karitzky, Garwood, assignors to Henry B. Newhall Corporation, Garwood, N. J. Manufacturing nail-expansion shields. 1,674,661; June 26.
- Pletcher, Eugene M., New York, N. Y. Screw friction lock for cans. 1,687,887; Oct. 16.
- Pletcher, Thomas M., Fontana, Wis., assignor to The Q R S Music Company, Chicago, Ill. Music terminal and clasp. 1,656,390; Jan. 17.
- Plew, James E., Valparaiso, Fla. Duplicate-whist board. 1,657,898; Jan. 31.
- Plews & Hutchinson Corporation. (See Plews, William J., assignor.)
- Plews, William J., Detroit, Mich., assignor to Plews & Hutchinson Corporation, Jersey City, N. J. Battery plate and making same. 1,670,046; May 15.
- Plews, William J., New York, N. Y., assignor to Plews & Hutchinson Corporation, Jersey City, N. J. Making battery plates. 1,670,047; May 15.
- Plexico, Robert S. (See Randol, G. T., and Plexico.)
- Plexico, Robert S. (See White, S. O., and Plexico.)
- Pleyer, Anton, Spechthausen, near Eberswalde, assignor to Gebr. Ebart, Berlin, Germany. Watermarked paper. 1,687,140; Oct. 9.
- Plimmer, Alfred G., Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrical connection and forming the same. 1,696,124; Dec. 18.
- Plimpton, Bentley A., assignor of one-half to The Porcelain Insulator Corporation, Lima, N. Y., and one-half to Locke Insulator Corporation, Baltimore, Md. Arcing attachment for electric conductor clamps. 1,673,706; June 12.
- Plimpton, Bentley A., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator-supporting pin. 1,696,861; Dec. 25.
- Plochmann, Maximilian, assignor to Maschinenfabrik Augsburg-Nuernberg A.-G., Augsburg, Germany. Power plant. 1,679,494; Aug. 7.
- Ploger, Gustav, Dell, Mont. Aeroplane. 1,659,744; Feb. 21.
- Plotner, James A. (See Tullis, John T., assignor.)
- Plotnich, George R., Benld, Ill. Rheostat. 1,670,004; May 15.
- Flowman, Arthur S., assignor of one-fifth to S. A. Danna, New York, N. Y. Fruit seeder. 1,676,413; July 10.
- Flow-Mate Inc. (See Stoltz, Cassius A., assignor.)
- Plum, Stephen H., 2d, Madison, N. J. Paper-feeding device. 1,670,901; May 22.
- Plum, Stephen H., 2d, Madison, N. J., assignor to American Type Founders Company. Sheet-holding device. 1,694,720; Dec. 11.
- Plum, Stephen H., 2d, Madison, N. J., and H. Duff, Brooklyn, N. Y., assignors to American Type Founders Company. Suction nozzle for printing presses. 1,694,719; Dec. 11.
- Plumb, Henry B., Brooklyn, assignor to Eagle Lock Co., New York, N. Y. Lock. 1,669,262; May 8.
- Plumb, Ralph, Buffalo, N. Y. Joint for rods. 1,660,455; Feb. 28.
- Plumley, Raymond L., Brooklyn, assignor to Frederick Osann Company, New York, N. Y. Button-sewing machine. 1,671,124; May 29.
- Plummer, Herbert T., Upper Tooting, London, assignor to Rawlings Manufacturing Company Limited, London, England. Adjustable window particularly for automobiles. 1,670,595; May 22.
- Plummer, Horace, Lawrence Township, Marion County, Ind. Engraving block. 1,665,819; Apr. 10.
- Plunkett, Gaither A., Bay Point, Calif. Device for moving freight-car doors. 1,676,502; July 10.
- Plunkett, Michael R., assignor of one-half to J. M. Kelley, Philadelphia, Pa. Heating system. 1,694,080; Dec. 4.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Bulkhead structure and the like. 1,658,855; Feb. 14.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Screen. 1,665,475; Apr. 10.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 1,668,170; May 1.
- Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Door. 1,668,696; May 8.
- Plymouth Clay Products Company. (See Norton, John M., assignor.)
- Plymouth Cordage Company. (See Brewster, Ellis W., assignor.)
- Plymouth Cordage Company. (See Damon, John H., assignor.)
- Plympton, Frederic K., Brewster, N. Y., assignor to N. D. Plympton, Southport, Conn. Bottle closure. 1,657,409; Jan. 24.
- Plympton, Naomi D. (See Plympton, Frederick K., assignor.)
- Plywood Tube, Inc., The. (See Proctor, John H., assignor.)
- Pneumatic Appliances Corporation. (See Welland, Alfred, assignor.)
- Pneumatic Scale Corporation, Ltd. (See Butler, James A., assignor.)
- Pneumatic Scale Corporation, Limited. (See Cleaves, William S., assignor.)
- Pneumatic Scale Corporation, Limited. (See Howard, Stanley R., assignor.)
- Pneumatic Scale Corporation, Ltd. (See Reid, Robert and A. S., and Leonard, assignors.)
- Pneumatic Tube Steam Splicer Company, The. (See Fetter, Edward, assignor.)
- Poar, Charles B. (See Riley, O. C., Joel, and Poar.)
- Pobanz, George W., Geneseo, Ill. Belt-applying tool. 1,666,789; Apr. 17.
- Poberejsky, Jacques, Bois-Colombes, France. Manufacture of flexible tubes. 1,659,120; Feb. 14.
- Pocha, Joseph H., Prince Albert, Saskatchewan, Canada. Hog catcher. 1,659,701; Feb. 21.
- Pochelon, Albert, Detroit, Mich. Automobile radiator ornament or similar article. Des. 75,186; May 15.
- Pocock, James F., Lancaster, Ohio. Toothbrush holder. 1,669,143; May 8.
- Pocock, Merton A., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Water-cooling device. 1,661,385; Mar. 6.
- Pocock, Sylvester J., assignor of one-half to J. K. Richardson, St. Mary's, Ontario, Canada. Dispenser for lubricating oils. 1,688,352; Oct. 23.
- Pocovi, Juan S., Barcelona, Spain. Film-moving mechanism for cinematograph apparatus. 1,660,355; Feb. 28.
- Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Feeding machine. 1,656,499; Jan. 17.
- Podel, Abraham, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Assembly machine. 1,668,922; May 8.
- Podel, Abraham, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Cap opener. 1,676,649; July 10.
- Podel, Abraham, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Closure and method of sealing. 1,696,555; Dec. 25.
- Podestá, Ovidio E., Buenos Aires, Argentina. Supporting device for socks and the like. 1,691,032; Nov. 13.
- Podnar, Mile, Des Moines, Iowa. Ventilator for automobiles. 1,660,524; Feb. 28.
- Podszus, Emil. (See Kramer, E., and Podszus.)
- Podszus, Emil, Berlin-Friedrichshagen, assignor to Hartstoff-Metall Aktiengesellschaft (Haftung), Berlin-Copenick, Germany. Method and device for producing finely-granulated bodies from molten metal. 1,671,683; May 29.
- Podszus, Emil, Berlin-Friedrichshagen, assignor to Hartstoff-metall Aktiengesellschaft (Hametag) Berlin-Copenick, Germany. Whirling mill for the production of finely-divided powder. 1,685,956; Oct. 2.
- Poe, L. L. (See Kroh, Edward A., assignor.)
- Poehls, Richard A., La Moure, N. Dak. Milking stool and pail holder. 1,696,689; Dec. 25.
- Poeppel, Otto, Esslingen-on-the-Neckar, Germany. Rendering paper sheets locally transparent. 1,662,717; Mar. 13.
- Poeppelmeier, Frank H., assignor of one-fourth to L. A. Poeppelmeier, one-fourth to V. E. Poeppelmeier, and one-fourth to J. L. Weizand, Dayton, Ohio. Type-composing machine. 1,672,953; June 12.
- Poeppelmeier, Frank H., assignor of one-fourth to L. A. Poeppelmeier, one-fourth to V. E. Poeppelmeier, and one-fourth to J. L. Weizand, Dayton, Ohio. Type ejector for composing machines. 1,675,050; June 26.

- Poeppelmeier, Frank H., assignor to The Typographic Machines Company, Dayton, Ohio. Type-composing board. 1,686,031; Oct. 2.
- Poeppelmeier, Lawrence A., et al. (See Poeppelmeier, Frank H., assignor.)
- Poeppelmeier, Vincent E., et al. (See Poeppelmeier, Frank H., assignor.)
- Pohl, Edward, New York, N. Y., assignor to Neutrasol Products Corporation. Coating for textile threads. 1,681,745; Aug. 21.
- Pohl, Ernst A., Hamburg, Germany. Closet basin. 1,654,832; Jan. 3.
- Pohl, Robert, Berlin, Germany, assignor to General Electric Company. Magnetic shield for dynamo-electric machines. 1,677,004; July 10.
- Pohl, Robert, Berlin, Germany, assignor to General Electric Company. Dynamo-electric machine. 1,689,187; Oct. 23.
- Pohl, Robert, Berlin, Germany, and H. G. Reist, Schenectady, N. Y., assignors to General Electric Company. Dynamo-electric machine. 1,689,188; Oct. 23.
- Pohle, George H., Brooklyn, N. Y. Twine dispenser. 1,655,561; Jan. 10.
- Pohrt, Henry O., assignor to A C Spark Plug Company, Flint, Mich. Coating machine. 1,690,344; Nov. 6.
- Poindexter, Robert W., jr., Los Angeles, and P. T. Dolley, Los Angeles County, Calif., assignors to California Cyanide Company, Incorporated, New York, N. Y. Apparatus for the production of alkali-metal cyanides. 1,677,986; July 24.
- Pointon, John E., Peterborough, England, assignor to Baker Perkins Company Incorporated, New York, N. Y. Bread-baking machinery. 1,672,954; June 12.
- Pointon, John E., Peterborough, England, assignor to Baker Perkins Company Incorporated, New York, N. Y. Baking oven. 1,678,076; July 24.
- Poirier, Louis C., Merrill, Wis. Antenna for radio receiving sets. 1,686,465; Oct. 2.
- Poivilliers, Georges J., Paris, France. Apparatus for automatically drawing maps and plans from two terrestrial or aerial photographs. 1,676,708; July 10.
- Pokorny, Ermin, Prague, Czechoslovakia. Evaporating apparatus. 1,677,987; July 24.
- Pokorny, Frank. (See La Joie, H. J., Urquhart, and Pokorny.)
- Polack, Charles F., York, Pa. Window fastener. 1,686,572; Oct. 9.
- Polacoff, Max, Brooklyn, N. Y. Building block. 1,682,414; Aug. 28.
- Poland, John, Cascade, assignor of one-half to J. Gorman, Belt, Mont. Battery connector. 1,675,991; July 3.
- Polaner, George, et al. (See Ruzsicska, O., and Brumfield, assignors.)
- Pollanyi, Michael, Berlin-Zehlendorf Mitte, and S. von Bogdandy, Berlin-Dahlem, Germany. Determining the composition of copper and zinc alloys. 1,676,709; July 10.
- Polar Electric Refrigerator Corporation. (See Williams, Frank E., assignor.)
- Poldy, Joseph L., New York, N. Y. Cigar-bunch-making machine. 1,663,174; Mar. 20.
- Poleske, Ernest and S., Manilla, Iowa. Grinding machine. 1,677,988; July 24.
- Poleske, Sears. (See Poleske, Ernest and S.)
- Polgar, William, New York, N. Y. Combined collar and necktie holder. 1,686,986; Oct. 9.
- Polisena, Bernardo, and H. Campedel, New York, N. Y. Tire tool. 1,691,855; Nov. 13.
- Polite, Joseph, Detroit, Mich. Memorandum holder for automobile steering wheels. Des. 76,414; Sept. 25.
- Politi, Ercole, Milan, Italy. Cone coupling for electrical cables. 1,657,970; Jan. 31.
- Politi, Italo. (See Cunico, Frank, assignor.)
- Poltz, Friedrich, Breslau, Germany. Powder for welding castings, particularly of gray cast iron. 1,669,840; May 15.
- Polk, Thomas B., Seattle, Wash., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Combined windshield visor and wiper motor. 1,683,260; Sept. 4.
- Polk, Thomas B., Seattle, Wash., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield-wiper actuator. 1,689,967; Oct. 30.
- Pollacchi, Charles, Paris, assignor to Coty Société Anonyme, Suresnes, France. Extracting coloring matter from henna leaves and improved plant therefor. 1,668,603; May 8.
- Pollack, Daniel. (See Kasdan, N., and Pollack.)
- Pollack, Daniel, assignor to Majestic Metal Specialties, Inc., New York, N. Y. Vanity case or similar article. Des. 75,513; June 12.
- Pollak, Abraham, Far Rockaway, N. Y. Combined vanity compact and cigarette lighter. Des. 75,646; June 26.
- Pollak, Alfred, Vienna, Austria. Manufacture of yeast, especially by the aeration process. 1,677,529; July 17.
- Pollak, Fritz. (See Ripper, Kurt, assignor.)
- Pollak, Joseph. (See Wear, Charles, assignor.)
- Pollak, Joseph, Boston, Mass. Electric switch. 1,680,568; Aug. 14.
- Pollak, Joseph, Tool and Stamping Company. (See Averill, William H., assignor.)
- Pollak, Julius, Houston, Tex. Garment. 1,665,507; Apr. 10.
- Pollak, Robert, Vienna, Austria. Pocket comb. 1,671,312; May 29.
- Pollak Steel Company, The. (See Pague, Edward J., assignor.)
- Pollan, John R., Fort Smith, Ark. Seed-potato-cutting machine. 1,622,759; Mar. 13.
- Pollard, Carl I., assignor of one-half to The Vulcan Last Company, Portsmouth, Ohio. Machine for manufacturing heels for shoes. 1,669,672; May 15.
- Pollard, Walter S., Philadelphia, Pa. Ball game. 1,675,463; July 3.
- Poller, Alphons, Vienna, Austria, assignor to De Trey Brothers Ltd., Zurich, Switzerland. Plastic hydrocolloid composition. 1,672,776; June 5.
- Pollifrone, Frank, Brooklyn, N. Y. Flash-light safety razor. 1,693,348; Nov. 27.
- Pollock, James, New York, N. Y. Apparatus for burning fine fuel in suspension. 1,684,200; Sept. 11.
- Pollock, James, New York, N. Y. Boiler for utilizing fine coal. 1,684,201; Sept. 11.
- Pollock Pen Company. (See Pollock, Robert T., assignor.)
- Pollock, Robert T., Boston, Mass., assignor to Pollock Pen Company, Brooklyn, N. Y. Fountain pen. 1,657,033; Jan. 24.
- Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Cracking petroleum oil. 1,658,415; Feb. 7.
- Pollock, Robert T., assignor to Pollock Pen Company, Boston, Mass. Fountain Pen. 1,658,940; Feb. 14.
- Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbon oils. 1,670,122; May 15.
- Pollock, Robert T., assignor to Pollock Pen Company, Boston, Mass. Ink cartridge. 1,671,125; May 29.
- Pollock, Robert T., New York, N. Y., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for cracking oil. 1,676,924; July 10.
- Pollock, Robert T., New York, N. Y., assignor to The Universal Oil Products Company, Chicago, Ill. Apparatus for treating oil. 1,683,801; Sept. 11.
- Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,688,830; Oct. 23.
- Pollock, William, Pittsburgh, Pa. Flexible stay bolt. 1,680,229; Aug. 7.
- Pollok, Othmar, Berlin-Halensee, Germany, assignor to General Electric Company. System of distribution. 1,667,674; Apr. 24.
- Polnaszek, John P., assignor of one-half to P. Strzok, Minneapolis, Minn. Waving iron for hair. 1,693,462; Nov. 27.
- Poloris Company. (See Plass, Robert H., assignor.)
- Polsen, Samuel D., Bridgeport, Conn. Headlight. 1,659,894; Feb. 21.
- Polson, William F., Buffalo, N. Y. Can opener. 1,657,842; Jan. 31.
- Polster, John P., St. Louis, Mo. Chain-grate stoker-repair link. 1,670,983; May 22.
- Polus, Ignacy A., Mitchell, S. Dak. Cultivator-guiding device. 1,656,337; Jan. 17.
- Polydoroff, Wladimir J., assignor to Johnson-Williamson Laboratories, Inc., Chicago, Ill. Transformer. 1,691,125; Nov. 13.
- Polydoroff, Wladimir J., assignor to Johnson-Williamson Laboratories, Inc., Chicago, Ill. Radio frequency amplifying circuits. 1,692,763; Nov. 20.
- Polysius, Firm G. (See Ihlefeldt, Johannes, assignor.)
- Polysius, Firm G. (See Luther, Fritz, assignor.)
- Polysius, G. (See Hasselbach, Alexander, assignor.)
- Polysius, G. (See Luther, Fritz, assignor.)
- Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,688,879; Oct. 23.
- Pomeranz, Jacob J., Brooklyn, N. Y. Nose bridge for eyeglasses. Des. 76,150; Aug. 21.
- Pomeranz, Jacob J., Brooklyn, N. Y. Hinge for an eyeglass frame. Des. 76,415; Sept. 25.
- Pomeroy, Roy J., assignor of one-half to Famous Players-Lasky Corporation, Los Angeles, Calif. Producing composite photographs. 1,673,019; June 12.
- Pomeroy, Roy J., assignor of one-half to Famous Players-Lasky Corporation, Los Angeles, Calif. Making composite pictures. 1,686,987; Oct. 9.
- Pomeroy, S. H., Company. (See Fien, Alphonsus, assignor.)
- Pomeroy, S. H., Company. (See Kohut, Michael, assignor.)
- Pomeroy, Timothy C., Minneapolis, Minn. Lifting jack. 1,661,705; Mar. 6.
- Pomeroy, Timothy C., Minneapolis, Minn. Lifting jack. 1,678,531; July 24.
- Pomeroy, Timothy C., Minneapolis, and C. E. Johnson, St. Paul, Minn., assignors of one-third to J. E. Madden, Chicago, Ill. Lifting jack. 1,672,281; June 5.
- Pomilio Brothers Corporation. (See Godani, Francesco, assignor.)
- Pommée, Jean, Wilhelmsburg-on-the-Elbe, Germany. Filling for dissolved gas and producing same. 1,672,688; June 5.
- Pompelan Flooring Company. (See Slosser, Alger J., assignor.)
- Ponrouse, George, San Francisco, Calif. Necktie form. 1,656,795; Jan. 17.
- Pondet, Dave H. (See Caas, Benjamin A., assignor.)

- Pongo, Sigmund, New York, N. Y. Electrotherapeutical apparatus. 1,664,992; Apr. 3.
- Pongratz, Alfred, Graz, Austria, assignor to F. Bensa, Genoa, Italy. Manufacture of cyanides of the perylene series. 1,692,417; Nov. 20.
- Ponselle, Robert A., New York, N. Y. Apparatus for cleaning floors. 1,673,529; June 12.
- Ponsonby, Amos A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,695,856; Dec. 18.
- Pool, Kohl B., Houston, assignor of fifty-one per cent to South Texas Implement and Machinery Company, Harris County, Tex. Cotton blocker. 1,673,844; June 19.
- Pool, Morris W., Brooklyn, assignor to Remington typewriter Company, Ilion, N. Y. Typewriting machine. 1,671,653; May 29.
- Pool, William R., Ennis, and E. W. Mealer, Dallas, Tex. Railroad-washout safety device. 1,696,209; Dec. 25.
- Poole, Clarence F., Evanston, assignor to Goodman Manufacturing Company, Chicago, Ill. Flitting device. 1,692,861; Nov. 27.
- Poole, Herbert C. (See Wysong, Maxwell W., assignor.)
- Poole, John, Washington, D. C. Bank counter. 1,673,639; June 12.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature-assembling apparatus. 1,661,344; Mar. 6.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Commutator-ripping machine. 1,664,527; Apr. 8.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Apparatus for press-fitting commutators upon armature shafts. 1,670,984; May 22.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Apparatus for spreading the riser bars of commutators. 1,683,261; Sept. 4.
- Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature-testing apparatus. 1,690,345; Nov. 6.
- Pooley, William S. (See Grover, W. H., Merritt, and Pooley.)
- Pope Appliance Corporation. (See Vickery, Frederick W., assignor.)
- Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Heater. 1,656,363; Jan. 17.
- Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Engine-balancing system. 1,664,942; Apr. 3.
- Pope, Arthur W., jr., assignor to Waukesha Motor Co., Waukesha, Wis. Valve mechanism. 1,677,460; July 17.
- Pope, Arthur W., jr., assignor to Waukesha Motor Company, Waukesha, Wis. Valve tappet. 1,689,801; Oct. 30.
- Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-conducting mechanism. 1,661,302; Mar. 6.
- Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-assembling machine. 1,664,639; Apr. 3.
- Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching machine. 1,676,283; July 10.
- Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching machine. 1,686,252; Oct. 2.
- Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,686,764; Oct. 9.
- Pope, Elmer R., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-nailing machine. 1,686,765; Oct. 9.
- Pope, Frank, assignor to Bear Brand Hosiery Co., Chicago, Ill. Display structure. 1,671,933; May 29.
- Pope, Glen L., and A. Cohen, Gretna, Nebr. Fastener for barbers' aprons. 1,688,880; Oct. 23.
- Pope, Jessie C., Longview, Tex. Railway tie, rail fastener, and rail joint. 1,685,337; Sept. 25.
- Pope, Joseph, Brookline, assignor to Stone & Webster, Inc., Boston, Mass. Electric power-generating system. 1,668,285; May 1.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching heels. 1,677,292; July 17.
- Pope, Lyman B., and M. F. Mann, Haverhill, Mass.; said Mann assignor to said Pope. Shank-shaping machine. 1,669,144; May 8.
- Pope Machine Company. (See La Montagne, Patrick P., assignor.)
- Pope, William J., Plano, Ill. Fertilizer distributor. 1,680,064; Aug. 7.
- Pope, William J., Cambridge, assignor to The British Drug Houses Limited, London, England. Anesthetic and process for manufacturing same. 1,692,695; Nov. 20.
- Pope, William J., Cambridge, assignor to The British Drug Houses Limited, London, England. Benzamine borate and making same. 1,692,696; Nov. 20.
- Pope, William J., Cambridge, assignor to British Drug Houses Limited, London, England. Manufacture of benzamine borate. 1,692,697; Nov. 20.
- Pope, William J., Cambridge, assignor to The British Drug Houses Limited, London, England. Pharmaceutical product. 1,692,698; Nov. 20.
- Popescu, Theodor, et al. (See Pais, Alexander, assignor.)
- Popham, Otis A., assignor of one-fourth to M. G. McElwrath, Hayti, Mo. Adjustable portable router. 1,679,446; Aug. 7.
- Popkin, Martin E., assignor of one-half to J. Schoeneman, Incorporated, Baltimore, Md. Cloth sponging and shrinking machine. 1,677,367; July 17.
- Poplawski, Stephen J. (See Blish, R. A., and Poplawski.)
- Popov, Vladimir, Pilsen, Czechoslovakia. Machine for packing boxes. 1,661,086; Feb. 28.
- Popp, Hans C. R. (See Despard, V. R., and Popp.)
- Popper, Isaac C., New York, N. Y. Former and feeder. 1,670,165; May 15.
- Popper, John, Montreal, Quebec, Canada. Perfume bottle or similar container. Des. 75,747; July 10.
- Popps, George, Massena, N. Y. Pipe and cable hanger. 1,670,902; May 22.
- Poranski, Walter, assignor to National Trading Co., Chicago, Ill. Vanity case. 1,669,017; May 8.
- Poranski, Walter, assignor to National Trading Co., Chicago, Ill. Vanity case. 1,669,018; May 8.
- Porath, Carl A., assignor to Kokomo Steel and Wire Company, Kokomo, Ind. Wire-fence machine. 1,691,166; Nov. 13.
- Porcelain Enamel & Manufacturing Co., The. (See Turk, Heinrich, assignor.)
- Porcelain Insulator Corporation, The, et al. (See Plimpton, Bentley A., assignor.)
- Porcelain Tile Company. (See Haines, George D., assignor.)
- Porcelain Tile Company. (See Thomas, Wingate, assignor.)
- Porcellier Manufacturing Company. (See Dym, Jacob, assignor.)
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 75,514; June 12.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 75,515; June 12.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 75,516; June 12.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 75,517; June 12.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 75,518; June 12.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 76,044; Aug. 14.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 76,045; Aug. 14.
- Poritz, Frederick M., assignor to Artistic Brass & Bronze Works, Inc., New York, N. Y. Lamp base or similar article. Des. 76,046; Aug. 14.
- Porritt, Benjamin D. (See Gallie, G., and Porritt.)
- Porro, Thomas J., Tacoma, Wash. Rapid-mixing flask. 1,660,974; Feb. 28.
- Porsche, Ferdinand, Stuttgart-Unterturkheim, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Rotary-piston blower. 1,656,867; Jan. 17.
- Porsche, Ferdinand, Wiener-Neustadt, Austria, assignor to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Apparatus for braking motor vehicles. 1,660,091; Feb. 21.
- Porsche, Ferdinand, Stuttgart-Unterturkheim, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Lubricating device for internal-combustion engines. 1,667,983; May 1.
- Porta, Raphael A., New York, N. Y. Apparatus and method of permanent hair waving. 1,668,868; May 8.
- Portable Adding Machine Company. (See Barrett, Glenn J., assignor.)
- Portable Machinery Company Inc. (See Harrison, William H., assignor.)
- Portable Rotary Rig Company. (See Kluppel, John L., assignor.)
- Portable Self-Serving Store Company. (See Larabee, B. G., Root, and Cassidy, assignors.)
- Porte, Frederick L., Utica, N. Y. Knitted fabric. 1,686,172; Oct. 2.
- Porter, Alexander T., Elizabeth, N. J. Producing liquids of medicinal value. 1,660,655; Feb. 28.
- Porter, Alexander T., Elizabeth, N. J. Apparatus for producing oil vapor. 1,687,226; Oct. 9.
- Porter, Benjamin, Fullerton, N. Dak. Headlight bulb and deflector. 1,657,410; Jan. 24.
- Porter, Benjamin, Fullerton, N. Dak. Glareless headlight. 1,696,055; Dec. 18.
- Porter-Cable Machine Company, The. (See Emmons, Arthur N., assignor.)
- Porter, Catherine A. (See Porter, Clarence K., assignor.)
- Porter, Charles C., Hartford, Conn. Baking pad. 1,675,051; June 26.
- Porter, Charles R., Rome, Ga. Electric range. 1,690,946; Nov. 6.
- Porter, Clarence A., Detroit, Mich. Light deflector. 1,659,409; Feb. 14.
- Porter, Clarence H., Washington, D. C. Gas-analysis apparatus. 1,681,047; Aug. 14.

- Porter, Clarence K., Lansing, Kans., assignor of one-half to C. A. Porter, Tulsa, Okla. Clutch controller. 1,682,348; Aug. 28.
- Porter, Edward S., Washington, D. C. Thermostatic control for radiators. 1,669,880; May 15.
- *Porter, Edwin S., assignor to The Precision Machine Co. Inc., New York, N. Y. Slide carrier. 1,657,034; Jan. 24.
- Porter Engine Development, Inc. (See Porter, Finley R., assignor.)
- Porter, Finley R., assignor to Porter Engine Development, Inc., New York, N. Y. Internal-combustion engine. 1,671,254; May 29.
- Porter, Finley R., assignor to Porter Engine Development, Inc., New York, N. Y. Internal-combustion engine. 1,671,255; May 29.
- Porter, George M., New York, N. Y. Pad holder. 1,668,573; May 8.
- Porter, George M., New York, N. Y. Pad holder. 1,675,821; July 3.
- Porter, Graham L., Benton, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Electric protection of transformers. 1,670,985; May 22.
- Porter, Harry B., Trenton, N. J., assignor of one-half to C. D. Ehret, Philadelphia, Pa. Current-rectifying system. 1,696,210; Dec. 25.
- Porter, Herbert F., assignor of one-half to C. F. Regan, New York, N. Y. Ink remover. 1,653,739; Feb. 7.
- Porter, Howard K., Ridgewood, N. J., assignor to General Motors Corporation, Detroit, Mich. Journal box. 1,691,303; Nov. 13.
- Porter, James R., Wantage, England. Aeronautical machine. 1,696,581; Dec. 25.
- Porter, Jessie B., executrix. (See Porter, Lewis E.)
- Porter, Johnston P., Portland, Oreg. Seagoing log raft. 1,662,683; Mar. 13.
- Porter, Kurt. (See Bliss, H. H., and Porter.)
- Porter, Leslie F., Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,675,956; July 3.
- Porter, Lewis E., deceased, Los Angeles, Calif.; J. B. Porter, executrix. Internal-combustion engine. 1,682,307; Aug. 28.
- Porter, Omer, Evansville, Ind. Automatic vent for bottles and other liquid containers. 1,694,754; Dec. 11.
- Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Clock with rotary operating members. 1,665,476; Apr. 10.
- Porter, Wilson E., assignor to The New Haven Clock Co., New Haven, Conn. Bezel for nonbreakable crystals. 1,668,336; May 1.
- Porter, Winfield P., Greene, Me. Tire valve. 1,685,376; Sept. 25.
- Portland Realty and Trust Co. (See Locke, William S., assignor.)
- Portt, Byron A., Bay City, Mich. Window scaffold. 1,663,279; Mar. 20.
- Poschen, Julius P. (See Edwards, R. M., and Poschen.)
- Poser, Max, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens for headlights. 1,671,313; May 29.
- Poser, Max, assignor to Bausch & Lomb Optical Co., Rochester, N. Y. Ophthalmoscope. 1,673,681; July 31.
- Poses, Jack I., assignor to A. A. Vantine & Co., Inc., New York, N. Y. Incense box. Des. 75,133; May 8.
- Poske, Harry C., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Metal-casting machine. 1,666,910; Apr. 24.
- Pospiech, Friedrich. (See Sajitz, R., and Pospiech.)
- Pospinger, Florian, Buffalo, N. Y. Pie scoop. Des. 75,187; May 15.
- Possons, Minard A. (See Hill, Reuben, assignor.)
- Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas range. Des. 76,497; Oct. 2.
- Post, Benjamin A., Oyster Bay, N. Y. Game apparatus. 1,657,548; Jan. 31.
- Post, Claude L., Chicago, Ill. Sheet feeding and driving means. 1,664,640; Apr. 3.
- Post, Ethel L., Los Angeles, assignor to Mutual Orange Distributors, Redlands, Calif. Advertising pedestal. Des. 76,703; Oct. 23.
- Post, Fred G., Kenmore, N. Y. Revolving-grip screw driver and the like. 1,683,484; Sept. 4.
- Post, George B., New York, N. Y. Boat. 1,675,422; July 3.
- Post, James O., Morristown, N. J. Liquid-fuel burner. 1,687,888; Oct. 16.
- Post, Jessie L., Newark, N. J. Identification device. 1,674,739; June 26.
- Postal Telegraph-Cable Company. (See Gould, Rufus, assignor.)
- Postel, Emil, Ludwigshafen-on-the-Rhine, Germany. Epicyclic change-speed gear. 1,660,356; Feb. 28.
- Postel, John W., Palisade, N. J. Automobile bumper. 1,679,782; Aug. 7.
- Posternak, Swig, Chene-Bougeries, near Geneva, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Phosphorus compounds from animal products and manufacture thereof. 1,690,752; Nov. 6.
- Postlewait, Martha, assignor of one-half to H. R. Spangler, Denver, Colo. Hair curler. 1,657,971; Jan. 31.
- Postman, Abraham L., Brooklyn, N. Y. Making shoes. 1,691,167; Nov. 13.
- Poston, Edwin L., assignor of one-half to D. E. Alexander, Lansing, Kans. Water trap for gas wells. 1,680,255; Aug. 7.
- Poston, Emmett V., Springfield, Ill. Machine for veneering brick. 1,695,123; Dec. 11.
- Poston, Emmett V., Springfield, Ill. Machine for veneering brick. 1,695,293; Dec. 18.
- Poston, Leon L., Fort Myers, Fla., assignor to The Columbus Dental Manufacturing Co., Columbus, Ohio. Artificial tooth. Re16,876; Feb. 7.
- Postum Company. (See Forward, William M., assignor.)
- Postum Company. (See Young, William C., assignor.)
- Potato Waffles, Inc. (See Kintzele, Julius H., assignor.)
- Potato Waffles, Inc. (See Ruffner, Meyer F., assignor.)
- Potestio, Charles, Columbia, Utah. Alarm and signal mechanism for the detection of punctures or air-pressure changes in pneumatic tires. 1,673,883; June 19.
- Potomac Glass Company, The. (See Beam, Charles C., assignor.)
- Pott, Rainer H., Dresden, assignor to Chemische Fabrik Pott & Co., Dresden-N., Germany. Treating and wetting out fibrous material. 1,686,836; Oct. 9.
- Pott, Rainer H., assignor to Chemische Fabrik Pott & Co., Dresden, Germany. Carbonizing woolen fibers. 1,686,837; Oct. 9.
- Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield construction. 1,682,185; Aug. 28.
- Potter, Albert T., assignor to Ainsworth Manufacturing Co., Detroit, Mich. Worm-drive windshield regulator. 1,685,786; Oct. 2.
- Potter, Arthur C. (See Arsenault, Olaus, assignor.)
- Potter, Benjamin F., Ashland, Ky. Diluting device for internal-combustion engines. 1,681,430; Aug. 21.
- Potter, Frank M., Rome, assignor to General Cable Corporation, New York, N. Y. Conduit coupling. 1,692,798; Nov. 20.
- Potter, Frederick D., Linden, N. J., assignor to Combustion Control Company, Inc., New York, N. Y. Combustion-gas-sampling apparatus. 1,658,391; Feb. 7.
- Potter, Henry S., Johannesburg, Transvaal, South Africa. Hammer rock drill. 1,657,317; Jan. 24.
- Potter, Howard V., and J. W. Crump, Birmingham, assignors to The Damard Lacquer Company Limited, London, England. Accelerator for hardening phenol urea products. 1,667,675; Apr. 24.
- Potter, John C. (See Rorty, M. C., and Potter.)
- Potter, Joseph L., Indianapolis, Ind. Excavating and conveying apparatus. 1,664,184; Mar. 27.
- Potter, Leo, Malba, assignor, by mesne assignments, to Algonquin Electric Company, Inc., New York, N. Y. Radio receiving set. Des. 74,318; Jan. 24.
- Potter, Leo, Malba, assignor to Potter Products Corporation, New York, N. Y. Lighter. Des. 76,322; Sept. 11.
- Potter Products Corporation. (See Potter, Leo, assignor.)
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Transmission-line control system. 1,658,856; Feb. 14.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Duplex radio signaling set. 1,662,126; Mar. 13.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for producing musical sounds. 1,678,872; July 31.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. High-frequency signaling system. 1,691,990; Nov. 20.
- Potter, Ralph K., New York, N. Y., assignor to American Telephone and Telegraph Company. Amplification of photo-electric call response. 1,692,904; Nov. 27.
- Potter, Robert S., Greenwich, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door closer. 1,692,699; Nov. 20.
- Potter, Thomas I., Portland, Oreg. Rotary expansion valve. 1,693,863; Dec. 4.
- Potter, William, New York, N. Y. Creeper device for shoes. 1,655,736; Jan. 10.
- Potter, William W., Pawtucket, R. I. Machine tool. 1,673,088; June 12.
- Potter, William W., Pawtucket, R. I. Machine tool. 1,685,556; Sept. 25.
- Potts, Allen D. (See Howard, L. E., and Potts.)
- Potts, Charles H., Westminster, London, assignor to Vickers Limited, Westminster, England. Heat exchanger. 1,690,501; Nov. 6.
- Potts, Chester M. (See Bailey, Norman D., assignor.)
- Potts, Howard W., San Francisco, Calif. Collar band. 1,696,450; Dec. 25.
- Potts, Louis M., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph transmitter. 1,675,823; July 3.
- Potts, Louis M., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Remote control and indicating system. 1,689,294; Oct. 30.
- Potts, Louis M., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraph. 1,689,295; Oct. 30.
- Potts, Peter T., Chicago, Ill., assignor to The Vortex Mfg. Co. Stack of nested containers and packing the same. 1,682,933; Sept. 4.
- Pottstown Machine Company. (See Saylor, John R., assignor.)

- Pouget, Louis M., Vallieres, France. Apparatus for use in making extracts, infusions, decoctions, and the like. Re17,077; Sept. 4.
- Poulet, Edouard, Courbevoie, France. Braking mechanism for front wheels on motor cars. 1,692,139; Nov. 20.
- Poulin, Edmond E. (See Sévigné, H. A., and Poulin.)
- Poulsen, Hans R., Lyme, Conn. Eaves-trough hanger. 1,695,059; Dec. 11.
- Poulsen, Oscar, Alameda, Calif. Centrifugal pump. 1,664,572; Apr. 3.
- Poulton, Roy L., Columbus, Ohio. Display stand. Des. 74,987; Apr. 24.
- Pounds, Hoyle, Winter Garden, Fla. Tractor wheel. 1,662,208; Mar. 13.
- Pounds, Hoyle, Winter Garden, Fla. Wheel construction. 1,689,968; Oct. 30.
- Pounds, Hoyle, and H. E. Patrick, Winter Garden, Fla. Duster for Ford trucks. 1,681,877; Aug. 21.
- Pourfillet, Georges, Leonia, and E. Giovannoni, Fort Lee, N. J., assignors to Universal Pictures Corporation, New York, N. Y. Film-treating apparatus. 1,679,096; July 31.
- Pouty, Theodore C. and W. O., Hermosa Beach, assignors, by mesne assignments, to American Encaustic Tiling Company, Ltd., Los Angeles, Calif. Making tile. 1,677,098; July 10.
- Pouzar, Charles, Chicago, Ill. Adjustable form for wrapping machines. 1,657,642; Jan. 31.
- Povel, Hyacinthe A., Paris, France. Vanity case. 1,684,202; Sept. 11.
- Powdrell & Alexander, Inc. (See Kay, Arthur G., assignor.)
- Powell, A. L., Power Company, The. (See Powell, Alvah L., assignor.)
- Powell, A. L. Power Company, Incorporated, The. (See Swanson, Verner J., assignor.)
- Powell, Alvah L., assignor, by mesne assignments, to The A. L. Powell Power Company, Incorporated, Miles City, Mont. Internal-combustion engine. 1,654,701; Jan. 3.
- Powell, Alvah L., assignor to The A. L. Powell Power Company, Incorporated, Miles City, Mont. Engine. 1,663,261; Mar. 20.
- Powell, Alvah L., Cleveland, Ohio, assignor, by mesne assignments to The A. L. Powell Power Company, Incorporated. Internal-combustion engine. 1,677,407; July 17.
- Powell, Alvah L., Roundup, Mont., assignor, by mesne assignments, to The A. L. Powell Power Company, Incorporated. Rotary internal-combustion engine. 1,687,511; Oct. 16.
- Powell, Antoinette M. (See Powell, George G., assignor.)
- Powell, Charles L., Los Angeles, Calif. Constructing trenches. 1,658,253; Feb. 7.
- Powell, Charles L., assignor of one-half to O. Yerkes, Chicago, Ill. Constructing caissons. 1,654,600; Jan. 8.
- Powell, Clarence H., assignor of one-half to R. J. Burton, Detroit, Mich. Airplane construction. 1,676,281; July 3.
- Powell, Dalton U., Woodefield, Ohio, assignor of one-third to S. K. Frank and one-third to R. L. Davis, Wheeling, W. Va. Electric heater. 1,690,994; Nov. 6.
- Powell, David, Chicago, Ill. Compressor for refrigerating apparatus. 1,673,157; June 12.
- Powell, David, Chicago, Ill. Refrigerating apparatus. 1,688,596; Oct. 23.
- Powell, Edward K., Alexandria, Ind. Method of and apparatus for producing rock wool. 1,656,828; Jan. 17.
- Powell, Edward R., assignor to Banner Rock Products Co., Alexandria, Ind. Heat-resisting metal structure. 1,670,378; May 22.
- Powell, Edward R., assignor, by mesne assignments, to H. G. Craig, St. Louis, Mo. Pressure gauge. 1,690,245; Nov. 6.
- Powell, Edward W., Chicago, Ill., assignor to Pettibone Mulliken Company. Switch device. 1,687,994; Oct. 16.
- Powell, Edward W., Chicago, assignor to Pettibone Mulliken Company, Chicago, Ill. Shock absorber. 1,689,841; Oct. 30.
- Powell, Edward W., assignor to Pettibone Mulliken Company, Chicago, Ill. Switch-lock device. 1,695,900; Dec. 18.
- Powell, Edwin L., Washington, D. C. Electrical condenser. 1,671,996; June 5.
- Powell, Frank D., assignor to Acme Card System Company, Chicago, Ill. Flexible index strip. 1,683,207; Sept. 4.
- Powell, Fred J., Jerome, Ariz. Steam engine. 1,661,957; Mar. 6.
- Powell, George A., Forest Hills Gardens, N. Y. Door-check. 1,676,284; July 10.
- Powell, George E., Chicago, Ill., assignor of one-half to E. E. Shugart, Council Bluffs, Iowa. Land and water vehicles. 1,677,846; July 17.
- Powell, George G., assignor to A. M. Powell, New York, N. Y. Salvaging apparatus. 1,691,738; Nov. 13.
- Powell, Jesse R., assignor to Armour & Company, Chicago, Ill. Soap stabilization. 1,672,657; June 5.
- Powell, John, Carlton, Victoria, Australia. Pneumatic tire. 1,683,208; Sept. 4.
- Powell, John D., Cincinnati, Ohio. Concrete-transporting vehicle. 1,674,989; June 26.
- Powell, John D., Cincinnati, Ohio. Concrete mixtures. 1,687,227; Oct. 9.
- Powell, John R. (See Bausch, W., and Powell.)
- Powell, John W., Welch, W. Va. Loading conveyer. 1,661,087; Feb. 28.
- Powell, John W., Martins Ferry, Ohio. Coating metal articles. 1,662,865; Mar. 20.
- Powell, Perry O., Milwaukee, Wis. Pin or article of similar nature. Des. 76,955; Nov. 20.
- Powell, Ralph E., Toledo, Ohio. Connector. 1,667,702; Apr. 24.
- Powell, Raymond E., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Resistance welding electrode. 1,673,020; June 12.
- Powell, Raymond E., Houston, Tex., assignor to Standard Oil Development Company. Reclaiming distillation residues. 1,694,280; Dec. 4.
- Powell, Richard L., assignor of one-third to W. W. Espigh, Lewistown, Pa. Cutting machine. 1,668,286; May 1.
- Powell, Roy O. (See Friedrich, A., and Powell.)
- Powell, William H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine and winding therefor. 1,685,752; Sept. 25.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radio receiving system. 1,655,160; Jan. 3.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. 1,658,416; Feb. 7.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,664,943; Apr. 8.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Frequency converter. 1,674,297; June 19.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Alternating-current rectifier. 1,674,298; June 19.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic trunking arrangement for telephone systems. 1,674,299; June 19.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Thermionic-tube circuits. 1,678,077; July 24.
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Radio receiving system. 1,684,361; Sept. 11.
- Powelson, Wilfrid V. N., and W. Travell, New York, N. Y. Airship. 1,656,236; Jan. 17.
- Power, Charles M., Kent, assignor to The Cleveland Chain and Manufacturing Company, Cleveland, Ohio. Chain fastener. 1,680,475; Aug. 14.
- Power, Henry R., Niagara Falls, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive composition. 1,661,849; Mar. 6.
- Power, Madeleine P., Spokane, Wash. Picture. 1,658,301; Feb. 7.
- Power, Richard F., London, assignor to Morland & Impey Limited, Birmingham, England. Loose-leaf-securing mechanism. 1,677,461; July 17.
- Power, Robert E., Los Angeles, Calif. Writing pencil. Des. 74,519; Feb. 21.
- Power, Thomas J., Milwaukee, Wis. Forced-ventilation system. 1,695,820; Dec. 18.
- Power, William P., Newcastle, New South Wales, and E. Lewis, Malvern, Victoria, Australia, assignors to The Broken Hill Proprietary Company, Limited. Blast furnace. 1,664,832; Apr. 3.
- Powers, Cody, Greeley, Colo. Crust-breaking attachment for beet cultivators. 1,655,737; Jan. 10.
- Powers, Donald H., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Accelerating rubber vulcanization and product thereof. 1,674,122; June 19.
- Powers, Ernest L. (See Krenke, Otto A., assignor.)
- Powers, Frank T., assignor to Powers Photo Engraving Company, New York, N. Y. Photographic apparatus. 1,658,057; Feb. 7.
- Powers, George G. (See Motschman, H. H., and Powers.)
- Powers, James, Los Angeles, Calif., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Feeding mechanism for tabulating machines. 1,665,218; Apr. 10.
- Powers, James T., Chicago, Heights, Ill. Display appliance. 1,687,790; Oct. 16.
- Powers, Joseph H., Mills, Wyo. Traffic signal for automobiles. 1,664,791; Apr. 3.
- Powers, Michael, Boston, Mass. Scaffold hanger. 1,655,562; Jan. 10.
- Powers, Percival A., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Socket and reflector construction. 1,664,262; Mar. 27.
- Powers Photo Engraving Company. (See Powers, Frank T., assignor.)
- Powers, Robert E., New York, N. Y., assignor to Union Metal Products Company, Chicago, Ill. Coupler-centering device. 1,673,469; June 12.
- Powers, W. F., Company, The. (See Carter, Willis M., assignor.)
- Powers, W. F., Company, The. (See Cossenas, Nicholas A., assignor.)
- Pownall, William A., Decatur, Ill. Fluid-treating apparatus. 1,679,373; Aug. 7.

- Powrie, John H., New York, N. Y. Apparatus for producing screens for color photography. 1,682,415; Aug. 28.
- Poyer, Jacques, Levallois-Perret, France. Automatically-variable flexible suspension for vehicles. 1,656,074; Jan. 10.
- Pozdro, John J. (See Emmert, J. R., and Pozdro.)
- Prachel, Chauncey U. (See Branchen, L. E., and Prachel.)
- Prachel, Chauncey U., assignor to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity of nitro-cellulosic materials. 1,661,736; Mar. 6.
- Prachel, Chauncey U., and L. E. Branchen, assignors to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity characteristics of cellulose ethers and products thereof. 1,679,943; Aug. 7.
- Pracny, John E., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Roll feed for metal-heading machines. 1,678,647; July 31.
- Practical Die & Specialty Mfg. Co. (See Kindwall, Nils G., assignor.)
- France, Albert J., assignor to Murchey Machine and Tool Company, Detroit, Mich. Thread-cutting die. 1,655,563; Jan. 10.
- Praszkewitz, Frank, Detroit, Mich. Secondary-tractor-propelling device. 1,684,969; Sept. 18.
- Prater, Ralph, Oak Park, Ill. Grinder. 1,673,845; June 19.
- Prather, Eugene H., Minneapolis, Minn. Sign frame for interchangeable advertising signs. 1,674,264; June 19.
- Pratt, Best, Chicago, Ill. Angle cock. 1,696,283; Dec. 25.
- Pratt, Carl D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Gelatin dynamite. 1,658,816; Feb. 14.
- Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,686,173; Oct. 2.
- Pratt, Don W., Santa Monica, Calif. Direction signal. 1,663,859; Mar. 27.
- Pratt, Don W., Santa Monica, Calif. Direction signal. 1,678,197; July 24.
- Pratt, Edward, Taft, Calif. Power-transmitting unit for well rigs. 1,690,376; Nov. 6.
- Pratt, Edwin D., New York, N. Y. Method and apparatus for dispensing napkins. 1,682,580; Aug. 28.
- Pratt, Hartley B., Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Submarine mine. 1,670,078; May 15.
- Pratt, Hartley B., Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Submarine mine. 1,670,079; May 15.
- Pratt, Hartley B., Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Submarine mine. 1,670,080; May 15.
- Pratt, James B., Fort Jones, Calif. Quartz mill. 1,670,005; May 15.
- Pratt, John F. (See Smith, Harold A., assignor.)
- Pratt, Lewellyn E., Nutley, N. J. Counter display and dispensing device. 1,668,171; May 1.
- Pratt, Lucius S., Roanoke, Va., assignor to Wine Railway Appliance Company, Toledo, Ohio. Ventilator. 1,673,707; June 12.
- Pratt, Lucius S., Roanoke, Va., assignor of one-half to C. F. Struck, Hendersonville, N. C. Bucking toy horse. 1,687,693; Oct. 16.
- Pratt, Lucius S., Roanoke, Va. Car-coupler-operating device. 1,688,154; Oct. 16.
- Pratt, Milan F. (See Lloyd, Alfred, assignor.)
- Pratt, Norman F., Jacksonville, assignor to Monte Lloyd Corporation, Miami, Fla. Anorectal dilator. 1,690,995; Nov. 6.
- Pratt, Ross H., Washington, D. C. Variable-speed transmission. 1,662,164; Mar. 13.
- Pratt, Walter M., Birmingham, Mich. Door construction and control mechanism. 1,671,608; May 29.
- Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
- Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
- Pratt & Whitney Company. (See Doane, John A., assignor.)
- Pratt & Whitney Company. (See Durkee, James W., assignor.)
- Pratt & Whitney Company. (See Hoagland, Frank O., assignor.)
- Pratt & Whitney Company. (See Kline, A. L., and Clark, assignors.)
- Pratt & Whitney Company. (See Knowles, Carroll, assignor.)
- Pratt & Whitney Company. (See Rusnak, John M., assignor.)
- Pratt & Whitney Company. (See Schramm, Carl, assignor.)
- Pratt & Whitney Company. (See Teller, Spencer J., assignor.)
- Pratt & Whitney Company. (See Thacher, John J., assignor.)
- Pratt, William B., Wellesley, Mass., assignor, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Producing rubberlike bodies. 1,671,314; May 29.
- Pratt, William H. (See Kinnard, I. F., and Pratt.)
- Pratt, William H., and D. R. Price, Lynn, Mass., assignors to General Electric Company. Telemetric impulse summation system. 1,684,241; Sept. 11.
- Fraud, Henri, Paris, France, assignor to American Radiator Company, New York, N. Y. Combined regulator and temperature indicator. 1,671,934; May 29.
- Frausnitz, Paul H. (See Thiene, H., Frausnitz, and Schott.)
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,660,816; Feb. 28.
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,664,703; Apr. 3.
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling loose materials. 1,669,948; May 15.
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,680,953; Aug. 14.
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,692,862; Nov. 27.
- Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,692,863; Nov. 27.
- Prease, Thomas B., Superior, Ariz. Wind motor. 1,687,181; Oct. 9.
- Preble Box Toe Co. (See Eaton, Horace M., assignor.)
- Preble Box Toe Co. (See Preble, George L., assignor.)
- Preble, George L. (See Eaton, Horace M., assignor.)
- Preble, George L., assignor to Preble Box Toe Co., Lynn, Mass. Molded article and making same. 1,678,021; July 24.
- Precision Castings Company Incorporated. (See Durning, William J., assignor.)
- Precision Gauge & Tool Company. (See Flinn, William H., assignor.)
- Precision Machine Co. Inc., The. (See Porter, Edwin S., assignor.)
- Precision Metal Workers. (See Carlson, C. E., and Grunwald, assignors.)
- Precision Tank Gauge Company. (See Rieber, Frank, assignor.)
- Preece, Terence Q., Westbury, N. Y. Bit for horses. 1,678,532; July 24.
- Preen, Thomas A. (See Preen, Thomas A. and T. A.)
- Preen, Thomas A., and T. A. Preen, Westminster, London, England. Window fastener. 1,674,221; June 19.
- Preferred Oil Burners, Inc. (See Aldrich, Loyd I., assignor.)
- Prehn, Adolf J., Detroit, Mich. Wrench. 1,660,208; Feb. 21.
- Preisser, Arthur B., Dallas, Tex. Valve stem for inner tubes of pneumatic tires. 1,696,211; Dec. 25.
- Prell, Henry, Chicago, Ill. Riddle. 1,676,285; July 10.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air receiver for compressors. 1,655,107; Jan. 3.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,665,071; Apr. 3.
- Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,677,530; July 17.
- Premier Electric Company. (See Snell, James C., assignor.)
- Premier Grand Piano Corporation. (See Hattemer, J., and Kauling, assignors.)
- Premier Products Company. (See McCullough, Gilbert C., assignor.)
- Premier Warm Air Company. (See Judd, R. M., Taylor, and McNaney, assignors.)
- Premier Warm-Air Heater Company. (See Judd, R. M., Taylor, and McNaney, assignors.)
- Premier Warm-Air Heater Company. (See Judd, R. M., Taylor, and McNaney, assignors.)
- Premo Electric Corporation. (See Dam, Henry M. R., assignor.)
- Prentice, Alexander N. (See Williams, Mulford M., assignor.)
- Prentice, G. E., Manufacturing Company. (See Legat, Robert C., assignor.)
- Prentice, G. E., Manufacturing Company. (See Prentice, G. E., and Legat, assignors.)
- Prentice, George E., Berlin, Conn. Fastener. 1,677,408; July 17.
- Prentice, George E., Berlin, Conn. Slide construction. 1,679,783; Aug. 7.
- Prentice, George E., Berlin, Conn. Slider for fasteners and making the same. 1,679,784; Aug. 7.
- Prentice, George E., Berlin, and R. C. Legat, assignors to G. E. Prentice Manufacturing Company, New Britain, Conn. Separable fastener. 1,658,392; Feb. 7.
- Prentice, George M. (See Toepfert, H. J., and Prentice.)
- Prentice, James M., Holyoke, Mass. Electric baseball game. 1,694,721; Dec. 11.
- Prentiss, Louis W., Fort Myer, Va. Separable button. 1,690,129; Nov. 6.
- Preo, John L., Brooklyn, and I. Henne, Lynbrook, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making same. 1,655,161; Jan. 3.
- Prescott, Arthur T., East Orange, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Ferry bridge. 1,694,516; Dec. 11.

- Prescott, Charles F., Brooklyn, N. Y., assignor to Franklin Railway Supply Company. Lateral-motion device for locomotives. 1,661,013; Feb. 28.
- Prescott, Charles W., assignor to General Railway Signal Company, Rochester, N. Y. Switch-operator selector. 1,666,911; Apr. 24.
- Prescott, Charles W., assignor to General Railway Signal Company, Rochester, N. Y. Railway-car classification system. 1,681,131; Aug. 14.
- Prescott, William E. (See Baker, G. R., and Prescott.)
- Prescott, William E., London, England, assignor to Baker-Perkins Company, Inc., White Plains, N. Y. Apparatus for measuring and feeding plastic substances. 1,687,694; Oct. 16.
- Prescott, William T., Lawrence, Mass., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Bobbin-gripping device for shuttles. 1,675,132; June 26.
- Present, Morris. (See Sokol, A., and Present.)
- Press, Abraham, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controllable grid leak. 1,662,510; Mar. 13.
- Press Cushion Co. (See Nilson, Olof G., assignor.)
- Press, William J., Ottawa, Ontario, Canada. Fire pot for fuel-oil burners. 1,672,084; June 5.
- Pressed Metal Products Company, The. (See Kanter, Marcus E., assignor.)
- Pressed Steel Car Company. (See Miller, Frank E., assignor.)
- Pressed Steel Car Company. (See Suckfield, George A., assignor.)
- Pressed Steel Tank Co. (See Avery, Percy C., assignor.)
- Pressed Steel Tank Company. (See Wilcox, Harry C., assignor.)
- Pressed & Welded Steel Products Company. (See Haskin, Walter E., assignor.)
- Pressey, Sidney L., Columbus, Ohio. Machine for intelligence tests. 1,670,480; May 22.
- Pressley, Charles W., Hollywood, Calif. Golden harp piano. Des. 75,870; July 24.
- Pressley, Jackson H., Long Branch, N. J. Vacuum-tube control device. 1,677,727; July 17.
- Prest-Air Corporation. (See Josephson, Walter S., assignor.)
- Prestinari, Eugen, Irvington, N. J., assignor to Gemex Company, Newark, N. J. Extendible bracelet link. 1,688,090; Oct. 16.
- Prestinari, Eugen, Irvington, assignor to New Jersey Chain Corporation, Newark, N. J. Bracelet chain. 1,695,505; Dec. 18.
- Prest-O-Lite Company, The. (See Baker, Harry J., assignor.)
- Prest-O-Lite Storage Battery Corporation. (See Benner, Raymond C., assignor.)
- Prest-O-Lite Storage Battery Corporation. (See Benner, R. C., and Fink, assignors.)
- Prest-O-Lite Storage Battery Corporation. (See Benner, R. C., Briggs, and Fink, assignors.)
- Prest-O-Lite Storage Battery Corporation. (See Gossling, Walter E., assignor.)
- Preston, Alfred D., Melbourne, Victoria, Australia. Railway-rail fastener. 1,675,195; June 26.
- Preston, Edward S., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Heating unit for electrically-heated utensils. 1,681,951; Aug. 28.
- Preston, Frank W., Butler, Pa. Method of and apparatus for annealing glass. 1,689,048; Oct. 23.
- Preston, Frederick W., assignor to Keystone Roofing Manufacturing Company, York, Pa. Machine for forming shingles. 1,690,908; Nov. 6.
- Preston, Harrison O., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Container for lubricants. 1,695,976; Dec. 18.
- Preston, James H., Medicine Hat, Alberta, Canada. Wall-construction material. 1,669,019; May 8.
- Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Adjustable trailing switch connection for railroads. 1,678,618; July 24.
- Preston, Roger, Newton Center, assignor to S. S. Pierce Co., Boston, Mass. Box. Des. 74,319; Jan. 24.
- Preston, Roger, Newton Center, assignor to S. S. Pierce Co., Boston, Mass. Bottle. Des. 74,320; Jan. 24.
- Prettyman, George W. L., Bergenfield, N. J. Furniture brace. 1,692,568; Nov. 20.
- Prettyman, Hugh W., Inwood, W. Va. Map holder. 1,684,682; Sept. 18.
- Preuss, Alexander B., Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Selecting device for telephone systems. 1,674,413; June 19.
- Pribil, Alexis R., Saginaw, Mich. Piston. 1,656,293; Jan. 17.
- Pribil, Alexis R., Saginaw, Mich. Oil gauge. 1,681,431; Aug. 21.
- Pribnow, John F., assignor to E. C. Atkins & Company, Indianapolis, Ind. Swage shaper. 1,680,256; Aug. 7.
- Price, Alfred D., East Cleveland, Ohio. Lamp. 1,687,141; Oct. 9.
- Price, Arthur, Freeport, N. Y. Film-carrying strip. 1,688,653; Oct. 23.
- Price, Charles S., Bethlehem, and F. Weindel, jr., assignors to L. F. Grammes & Sons, Inc., Allentown, Pa. Key case or purse. 1,667,676; Apr. 24.
- Price, Charles S., Bethlehem, Pa., assignor to L. F. Grammes & Sons, Inc. Making boxes. 1,690,833; Nov. 6.
- Price, Charles W., New York, N. Y. Light screen. Des. 74,389; Feb. 7.
- Price, David R. (See Pratt, W. H., and Price.)
- Price, Elmer E., assignor to Eugene Dietzgen Company, Chicago, Ill. Book. 1,693,865; Dec. 4.
- Price, Elmer R. (See Scanlon, H. P., and Price.)
- Price, Emil, and W. A. Pfister, Los Angeles, Calif. Valve fitting. Des. 77,028; Nov. 27.
- Price, Everett H. (See Cummings, Robert T., assignor.)
- Price, Glen W., Bayonne, N. J., assignor to American Radiator Company, New York, N. Y. Testing device. 1,671,935; May 29.
- Price, Harold W., Blmhurst, assignor to Bragg-Kleisrath Corporation, Long Island City, N. Y. Piston gasket and expanding ring therefor. 1,657,318; Jan. 24.
- Price, Harry M., Waukegan, Ill. Can-washing machine. 1,687,791; Oct. 16.
- Price, Herbert E., Seattle, Wash. Animated toy. 1,695,205; Dec. 11.
- Price, Herbert T., Sydney, New South Wales, Australia. Treating bagasse fibers preparatory to pulp-board making. 1,656,829; Jan. 17.
- Price, Herbert T., Burwood, Sydney, New South Wales, Australia. Apparatus for pulp-board making. 1,661,678; Mar. 6.
- Price, Herbert T., Burwood, Sydney, New South Wales, Australia. Pulp board and manufacturing the same. 1,696,896; Dec. 25.
- Price, Herman G., and B. K. Smith, Houston, Tex. Electrode rack. 1,661,303; Mar. 6.
- Price, Jacob L., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,660,135; Feb. 21.
- Price, John R., Charlottesville, Va. Electric-circuit control system. 1,684,071; Sept. 11.
- Price, John V., Providence, assignor to Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 76,821; Nov. 6.
- Price, John V., Providence, assignor to Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 76,822; Nov. 6.
- Price, John V., Providence, assignor to Rhode Island Lace Works, Inc., West Barrington, R. I. Lace. Des. 76,956; Nov. 20.
- Price, Joseph, Stapleton, assignor to The Griscom-Russell Company, New York, N. Y. Deaerating system. 1,669,673; May 15.
- Price, Joseph, West New Brighton, assignor to The Griscom-Russell Company, New York, N. Y. Air cooler. 1,694,395; Dec. 11.
- Price, Ralph A., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Incandescent electric lamp. 1,673,267; June 12.
- Price, Sidney L., London, England. Lamp for use on motor vehicles and for other purposes. 1,666,876; Apr. 17.
- Price, Thornton W., New Brunswick, N. J. Ceiling bed. 1,696,412; Dec. 25.
- Price, William E., White Plains, N. Y. Mounting for lanterns. 1,677,489; July 17.
- Price, William E., White Plains, N. Y. Method and apparatus for making display signs, lamp shades, and other like articles. 1,693,817; Dec. 4.
- Price, William F., Glastonbury, Conn. Display stand. 1,661,304; Mar. 6.
- Price, William G., Yakima, Wash., assignor to McCleary Hydraulic Brake Company. Hydraulic and band brake operating means. 1,694,020; Dec. 4.
- Price, William T. (See Crosby, Arthur P., assignor.)
- Price-Williams, Vernon, Miami, Fla. Water heater. 1,696,823; Dec. 25.
- Prichard, George L., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Cracking oils. 1,676,207; July 3.
- Prichard, George L., and H. Henderson, Port Arthur, Tex., assignors to Gulf Refining Company, Pittsburgh, Pa. Distillation of oils with catalysts. 1,672,339; June 5.
- Priddy, Charles, McAlester, Okla. Breather-pipe attachment. 1,672,135; June 5.
- Pridham, Edwin S., Oakland, and D. K. Lippincott, Alameda, assignors to The Magnavox Company, Oakland, Calif. Gang condenser and adjusting same. 1,693,286; Nov. 27.
- Priebe, Ernest B., Inwood, N. Y. Furnace grate. 1,676,349; July 10.
- Priebe, Herman C., Blue Island, Ill. Brake gearing for railway cars. 1,660,014; Feb. 21.
- Priebe, Herman C., Blue Island, Ill. Draft gear. 1,680,477; Aug. 14.
- Priess, William H., Belmont, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser and making the same. 1,658,817; Feb. 14.
- Priess, William H., Belmont, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radiotransmitter. 1,674,740; June 26.
- Priess, William H., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,695,060; Dec. 11.
- Priest, Dwight E., assignor to Parker Wire Goods Co., Worcester, Mass. Bird-cage hook. Des. 75,998; June 19.
- Priest, Dwight E., assignor to Parker Wire Goods Co., Worcester, Mass. Bird-cage hook. 1,674,342; June 19.
- Priest, Harry, Poughkeepsie, N. Y. Bearing for lawn mowers and the like. 1,696,325; Dec. 25.

- Priester, Harry, executor. (See Fallot, Alfred.)
- Priestman, Purcell, and M. Formello, Philadelphia, Pa. Deep-sea salvage bell. 1,661,088; Feb. 28.
- Prieur, Ernest, Flint, Mich. Fish lure. Des. 74,759; Mar. 20.
- Prifold, George, Somerville, N. J. Method and apparatus for printing rugs. 1,660,357; Feb. 28.
- Prigge, Beatrice M., administratrix. (See Prigge, Hugh G.)
- Prigge, Hugh G., deceased, Springfield, Ill.; B. M. Prigge, administratrix, assignor to B. M. Prigge. Automobile locking device. 1,694,363; Dec. 11.
- Primak, Adam, Milwaukee, Wis. Belt buckle. 1,660,765; Feb. 28.
- Primak, Adam, Milwaukee, Wis. Belt buckle. 1,692,418; Nov. 20.
- Prime, George C. (See Clark, R. S., Prime, and Talcott.)
- Prime Mfg. Co., The. (See Prime, O. L., and Laukhuff, assignors.)
- Prime, Orton L., and A. Laukhuff, assignors to The Prime Mfg. Co., Milwaukee, Wis. Latch. 1,669,020; May 8.
- Primeaux, Ely, New Orleans, La. Sandpapering and buffing machine. 1,665,676; Apr. 10.
- Primm, Julian B., et al. (See Bowman, Lee M., assignor.)
- Primrose, Bernie G., Plemons, Tex. Deep-well pump. 1,662,127; Mar. 13.
- Primrose, George A., Oakland, Calif. Signal. 1,672,085; June 5.
- Primrose, John, Richmond, assignor to Foster Wheeler Corporation, New York, N. Y. Return tubular superheater boiler. 1,681,952; Aug. 28.
- Primrose, John, Richmond, assignor to Foster Wheeler Corporation, New York, N. Y. Oil heater. 1,693,155; Nov. 27.
- Primrose, John, assignor to Foster Wheeler Corporation, New York, N. Y. Apparatus for refining oils. 1,693,156; Nov. 27.
- Primrose Tapestry Co. (See Newton, James F., assignor.)
- Prince, Charles E., Burchett Green, England. Electric clock. 1,661,909; Mar. 6.
- Prince, Charles L., et al. (See Bostick, Evelyn D., assignor.)
- Prince, Clarence K., deceased, Westfield, Mass.; R. K. Prince, administrator. Preparing molds. 1,657,444; Jan. 24.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Vacuum-tube circuits. 1,654,945; Jan. 3.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric system. 1,655,475; Jan. 10.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electrical system. 1,661,850; Mar. 6.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,665,893; Apr. 10.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Regulating apparatus. 1,672,777; June 5.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Vacuum-tube circuits. 1,693,316; Nov. 27.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,694,281; Dec. 4.
- Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,696,862; Dec. 25.
- Prince, Frank E., Bangor, Me. Steamboat and like toy construction and printed blank therefor. 1,681,878; Aug. 21.
- Prince, George W., and J. H. English, Clemenceau, Ariz., assignors to United Verde Extension Mining Company, New York, N. Y. Apparatus for and method of treating copper ores. 1,660,817; Feb. 28.
- Prince, Joseph E., and J. E. Schooley, Seattle, Wash. Spotlight-mounting device. 1,683,915; Sept. 11.
- Prince, L. M. (See Manning, H., assignor.)
- Prince Matchabelli Perfumery, Inc. (See Matchabelli, George, assignor.)
- Prince, Robert K., administrator. (See Prince, Clarence K.)
- Prindle, Edwin J., et al., joint trustees. (See Moyer, Milton L., assignor.)
- Prindle, Edwin J., East Orange, N. J., assignor, by mesne assignments, to United Shoe Machinery Corporation, Boston, Mass. Automatic shoe-making machine. 1,663,097; Mar. 20.
- Prindle, Frank P., New Britain, Conn. Jar for fruit and other purposes. 1,658,058; Feb. 7.
- Prindle, Raymond B. (See Nolte, H. J., and Prindle.)
- Prindle, Raymond B., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. 1,658,651; Feb. 7.
- Prindle, Raymond B., Schenectady, N. Y., assignor to General Electric Company. Control electrode for space-current devices. 1,669,145; May 8.
- Pringle, Wayne, Lincoln, Neb., assignor to Woods Brothers Corporation, Wilmington, Del. Jetty. Re16,976; May 22.
- Pringle, William A., Niagara Falls, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Autographic register. 1,655,710; Jan. 10.
- Printing Machinery Company, The. (See Thiel, Emil E., assignor.)
- Printz, Karl W. T., and O. F. Westerberg, Stockholm, Sweden. Garment stretcher. 1,670,938; May 22.
- Prinz, Albert Wald, Germany. Spoon or analogous article. Des. 76,499; Oct. 2.
- Prior, Firm A. G. (See Ruegsegger, Walter, assignor.)
- Pripitnevich, Alexander, Hamtramck, Mich. Height gauge. 1,655,239; Jan. 3.
- Pritchard, Carl B., Scottdale, Pa. Combination band or tube corrugating and flanging machine. Re16,931; Apr. 10.
- Pritchard, Carl B., Scottdale, Pa. Bull wheel. 1,676,925; July 10.
- Pritchard, Carl B., Scottdale, Pa. Making metallic rims for bull wheels. 1,694,689; Dec. 11.
- Pritchard, Percy Moseley, Birmingham, England. Spark arrester for cupolas or the like. 1,665,754; Apr. 10.
- Pritchard, William S. (See Grossman, Harold, assignor.)
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Windshield. 1,655,337; Jan. 3.
- Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Combined measuring valve and shackle bolt. 1,657,586; Jan. 31.
- Pritchard, William S., assignor to Motor Products Corp., Detroit, Mich. Windshield-operating mechanism. 1,666,912; Apr. 24.
- Pritchard, William S., Detroit, Mich., assignor, by mesne assignments, to Motor Products Corporation. Air die. 1,687,309; Oct. 9.
- Pritchett, William H., San Diego, Calif. Air valve and fuel cut-off. 1,695,206; Dec. 11.
- Privett, Hollis F., Long Beach, Calif. Metal tire cover. 1,661,679; Mar. 6.
- Priveters, Nunzio, Toronto, Ontario, Canada. Hair waving device. 1,662,330; Mar. 13.
- Privott, John H., and B. C. Williams, Norfolk, Va. Grate. 1,666,790; Apr. 17.
- Privott, John S. (See Fowler, Emmett L., assignor.)
- Prizma, Incorporated. (See Kelley, William V. D., assignor.)
- Probst, Emil. (See Gregg, C. F., and Probst.)
- Prockter, Walter, Huntington, W. Va. Carbide lamp. 1,693,463; Nov. 27.
- Proctor, Alfred S., Denver, Colo. Stretcher frame for tents. 1,669,778; May 15.
- Proctor, Barton A., assignor, by mesne assignments, to News Projection Corporation, New York, N. Y. Projecting machine. 1,666,304; Apr. 17.
- Proctor, Barton A., assignor to News Projection Corporation, New York, N. Y. News-projection machine. 1,666,305; Apr. 17.
- Proctor, Barton A., assignor to News Projection Corporation, New York, N. Y. Tension control for ticker tape. 1,666,306; Apr. 17.
- Proctor, Barton A., assignor to News Projection Corporation, New York, N. Y. Jump-absorbing mechanism. 1,666,307; Apr. 17.
- Proctor, Barton A., assignor to News Projection Corporation, New York, N. Y. Mechanism for controlling the tension of ticker tape. 1,666,308; Apr. 17.
- Proctor, Barton A., assignor, by mesne assignments, to The Automatic Advertiser, Incorporated, New York, N. Y. Film-projection machine. 1,689,802; Oct. 30.
- Proctor, Barton A., assignor, by mesne assignments, to The Automatic Advertiser, Incorporated, New York, N. Y. Film-reversing mechanism. 1,695,857; Dec. 18.
- Proctor, Douglas M., Bushey, Watford, England, assignor to The Carborundum Company, Niagara Falls, N. Y. Textile machinery. 1,659,441; Feb. 14.
- Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,660,936; Feb. 28.
- Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser. 1,660,937; Feb. 28.
- Proctor, John H., Andover, assignor to The Plywood Tube, Inc., Lawrence, Mass. Making plywood tubes. 1,657,280; Jan. 24.
- Proctor, John W., Pittsburgh, Pa. Clothesline holder. 1,696,056; Dec. 18.
- Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Making articles. 1,660,493; Feb. 28.
- Proctor, Robert V., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Making sheet-metal articles. 1,663,316; Mar. 20.
- Proctor, Robert V., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Article of manufacture. 1,672,730; June 5.
- Proctor, Robert V., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Foldable support. 1,680,065; Aug. 7.
- Proctor, Robert V., and H. M. Schaab, assignors to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Pallet. 1,678,443; July 24.
- Proctor and Schwartz, Incorporated. (See Allen, T. W., and Bokum, assignors.)
- Proctor & Schwartz, Inc. (See Applegate, Daniel H., jr., assignor.)
- Proctor & Schwartz, Incorporated. (See Ayres, Elwood B., assignor.)
- Proctor & Schwartz, Incorporated. (See Ayres, E. B., and Morrison, assignors.)

- Proctor & Schwartz, Incorporated. (See Bokum, William F., assignor.)
- Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
- Proctor & Schwartz, Incorporated. (See Kershaw, Frederick, assignor.)
- Proctor & Schwartz, Incorporated. (See Rhoads, Thomas H., assignor.)
- Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)
- Proctor, Thomas, Nelson, England. Vacuum cleaner. 1,693,050; Nov. 27.
- Proctor, William A., Amesbury, Mass. Windshield regulator. 1,669,146; May 8.
- Proctor, William N., Knoxville, Tenn. Towel holder. 1,677,049; July 10.
- "Prodor" Fabrique de Produits Organiques S. A. (See Lévy, Marcel, assignor.)
- Production Pattern Company. (See Craig, F. R., and Oling, assignors.)
- Producto Machine Company, The. (See Marsilius, Newman M., assignor.)
- Products Protection Corporation. (See Smith, Franklin S., assignor.)
- Proffatt, Charles P. (See Marans, Samuel, assignor.)
- Progress Gesellschaft für Textilmaschinen mit beschränkter Haftung. (See Wolff, Herbert, assignor.)
- Proksa, John, assignor to Helios Corporation, Chicago, Ill. Motion-picture-projecting apparatus. 1,660,656; Feb. 28.
- Promeschkenel, Joseph W. (See Wine, W. E., and Promeschkenel.)
- Pron, Marino. (See Riva, S., and Pron.)
- Prophy-lactic Brush Company. (See Elliot, William S., assignor.)
- Prophy-lactic Brush Company. (See Elliot, W. S., and Lindgren, assignors.)
- Prophy-lactic Brush Company. (See Elliot, W. S., and Noble, assignors.)
- Prophy-lactic Brush Company. (See Noble, William, assignor.)
- Propp, M. Co. (See Hertzberg, Harry, assignor.)
- Propp, Morris. (See Hertzberg, Harry, assignor.)
- Propst, Jacob Y., Ohatchee, Ala. Propelling boats. 1,677,847; July 17.
- Prosch, Floyd F., assignor of one-half to R. L. Walline, McPherson, Kans. Pin-holding tool. 1,678,270; July 24.
- Prosperity Company, Inc., The. (See Braun, Philip N., assignor.)
- Prosperity Company Inc., The. (See Chirst, S. R., and Braun, assignors.)
- Prosperity Company Inc., The. (See Clisson, Albert B., assignor.)
- Prosperity Company Inc., The. (See Davis, Ernest, assignor.)
- Prosperity Company Inc., The. (See Hallowell, Louis S., assignor.)
- Prosperity Company, Inc., The. (See Ledbetter, James C., assignor.)
- Prosperity Company Inc., The. (See Steele, Harry A., assignor.)
- Prosperity Company, The. (See Braun, Philip N., assignor.)
- Prosperity Company, The. (See Braun, P. N., and Hart, assignor.)
- Prosperity Company, The. (See Clisson, Albert B., assignor.)
- Prosperity Company, The. (See Clisson, A. B., and Braun, assignors.)
- Prosperity Company, The. (See Daly, Joseph P., assignor.)
- Prosperity Company, The. (See Davis, Ernest, assignor.)
- Prosperity Company, The. (See Kilby, C. B., Reinitz, and Clisson, assignors.)
- Prosperity Company, The. (See Ledbetter, James C., assignor.)
- Prosperity Company, The. (See Neuroth, John, assignor.)
- Prosperity Company, The. (See Schremp, Edward J., assignor.)
- Prosperity Company, The. (See Simpson, George F., assignor.)
- Prosperity Company, The. (See Socia, A. J., and Daly, assignors.)
- Prosperity Company, The. (See Stoddard, Hart A., assignor.)
- Prosperity Company, The. (See Yanchenko, Basil J., assignor.)
- Prosser, Henry G., Chicago, Ill., assignor to Bermingham and Prosser Co., Kalamazoo, Mich. Writing paper. 1,677,930; July 24.
- Prosser, Joseph G., Chicago, Ill. Vapor motor or engine. 1,689,049; Oct. 23.
- Prosser, Thomas W., and J. H. Wahlbeck, Kankakee, assignors to Paramount Textile Machinery Co., Chicago, Ill. Hosiery-finishing apparatus. 1,685,753; Sept. 25.
- Protane Corporation. (See Kelley, John M., assignor.)
- Protane Corporation (1926), The. (See Kelley, John M., assignor.)
- Proteau, Elizabeth, Kamloops, British Columbia, Canada. Aquatic device. 1,661,499; Mar. 6.
- Prothers, Harold V., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Blanket-napping machine. 1,677,293; July 17.
- Protzeller, Harry W., East Chicago, assignor to O. F. Jordan Company, East Chicago, Ind. Tank-car construction. 1,662,471; Mar. 13.
- Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Car construction. 1,682,981; Sept. 4.
- Protzeller, Harry W., assignor to O. F. Jordan Company, East Chicago, Ind. Automatic make-and-break contactor. 1,682,982; Sept. 4.
- Prough, Omri A. (See Bradley, J. P., and Prough.)
- Proulx, H. C. (See Wexley, Walter W., assignor.)
- Proulx, Walter, Norridgewock, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for turning shoes. 1,695,344; Dec. 18.
- Prouty, Charles N. (See Bowers, A. W., and Prouty.)
- Prouty, George W., assignor to Terkelsen Machine Company, Boston, Mass. Cutting mechanism for wrapping machines. 1,659,159; Feb. 14.
- Prouty, George W., Roslindale, assignor to Terkelsen Machine Company, Boston, Mass. Driving mechanism for wrapping machines and the like. 1,670,939; May 22.
- Prouty, Theodore C., Hermosa Beach, Calif., assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Manually-operated press. 1,659,157; Feb. 14.
- Prouty, Theodore C. and W. O., Hermosa Beach, Calif. Electric kiln. 1,671,742; May 29.
- Prouty, Theodore C. and W. O., Hermosa Beach, assignors, by mesne assignments, to American Encaustic Tiling Company, Ltd., Los Angeles, Calif. Circular kiln. 1,674,992; June 26.
- Prouty, Theodore C. and W. O., Hermosa Beach, Calif., assignors to American Encaustic Tiling Company, Ltd., New York, N. Y. Supporting and exposing ceramic products in the course of their production. 1,676,799; July 10.
- Prouty, Willis O. (See Prouty, Theodore C. and W. O.)
- Prouty, Willis O., Hermosa Beach, Calif. Display sign. 1,671,741; May 29.
- Prouty, Willis O., Hermosa Beach, assignor, by mesne assignments, to American Encaustic Tiling Company, Ltd., Los Angeles, Calif. Ceramic-glazing process. 1,693,252; Nov. 27.
- Providence Stock Company. (See Lederer, Sigmund L., assignor.)
- Provident Trust Company of Philadelphia. (See Hughes, James W., assignor.)
- Province, Benjamin. (See Province, John and B.)
- Province, John and B., assignors to The Lamson and Sessions Company, Kent, Ohio. Cut-off mechanism for metal-working machines. 1,685,377; Sept. 25.
- Provost, Ernest L., Quinones, Cuba. Collapsible wardrobe. 1,674,567; June 19.
- Prudden, Theodore M., Grafton, Mass. Ball-bearing spindle construction. 1,677,636; July 17.
- Prudhomme, Eugene A., Neuilly-sur-Seine, assignor to Societe Internationale des Procédes Prudhomme (S. I. P. P.), Paris, France. Refining and stabilizing hydrocarbons. 1,674,796; June 26.
- Pruett, Curtis D., Dallas, and W. Kadernaschka, Troup, Tex. Railway cattle guard. 1,666,348; Apr. 17.
- Pruitt, Charles L., Oil Center, Calif. Stuffing box. 1,677,848; July 17.
- Pruitt, Harvey E., Fenton, Mich. Nut-tapping machine. 1,691,825; Nov. 13.
- Pruitt, Jerome B., Temple, Tex. Attachment of oil-burning engines. 1,671,315; May 29.
- Prussian, Myer. (See Cosgray, Mark C., assignor.)
- Pruzman, Paul W., Los Angeles, assignor, by mesne assignments, to Contact Filtration Company, San Francisco, Calif. Decolorizing oils at high temperatures. 1,667,984; May 1.
- Prym, Hans, Stolberg, Germany. Machine for manufacturing pins. 1,659,216; Feb. 14.
- Prym, Hans, Stolberg, Germany. Wireworking machine. 1,670,006; May 15.
- Pryor, Clarence E., Elizabeth, N. J. Bumper. 1,688,432; Oct. 23.
- Pryor, William M., assignor to Southern Manganese Steel Company, St. Louis, Mo. Shredder-type pulverizing hammer. 1,675,464; July 3.
- Pryor, William M., assignor to Southern Manganese Steel Company, St. Louis, Mo. Drag-chain link. 1,682,933; Sept. 4.
- Przybylko, George, and S. Michalek, Pequabuck, Conn. Mechanical dancing device. 1,655,292; Jan. 3.
- Public of the United States of America, The. (See Lueck, Roger H., assignor.)
- Public Service Cup Company. (See Smith, Charles F., assignor.)
- Puc, Vojtěch, Prague-Weinberge, Czechoslovakia. Press button. 1,676,710; July 10.
- Pucci, Giacomo, Westerly, R. I. Automatic register. 1,679,542; Aug. 7.
- Puccini, Joseph V., and W. L. Guise, Dover, N. J., assignors to H. T. Richardson, New York, N. Y. Core and making the same. 1,674,874; June 26.
- Puckett, William H., Tulsa, assignor of one-half to D. A. Kline, Muskogee, Okla. Rocker arm for internal-combustion-engine valves. 1,691,991; Nov. 20.
- Pudaloff, Joseph. (See Zica, John, assignor.)
- Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr A.-G. Mechanism for driving and controlling electricity meters. 1,688,353; Oct. 23.
- Puening, Franz, Pittsburgh, Pa. Cracking oil. 1,664,263; Mar. 27.

- Puening, Franz, Pittsburgh, Pa. Heating method and apparatus. 1,687,142; Oct. 9.
- Puening, Franz, assignor to The Koppers Company, Pittsburgh, Pa. Still. 1,664,863; Apr. 3.
- Puff, Henry, Los Angeles, Calif. Folding table. 1,679,447; Aug. 7.
- Puffe, Henry D., Seattle, Wash. Auto carrier rack. 1,666,507; Apr. 17.
- Puffer, Alvin W., Medford, assignor to Puffer Manufacturing Company, Winchester, Mass. Safety valve. 1,673,470; June 12.
- Puffer Manufacturing Company. (See Puffer, Alvin W., assignor.)
- Pugh, Clifford F. (See Ward, William J., assignor.)
- Pugh, Clifford J., Salem, Oreg. Pear-peeling machine. 1,669,263; May 8.
- Pugh, Emerson, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for welding parts. 1,677,205; July 17.
- Pugh, Emerson, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric welding. 1,677,206; July 17.
- Pugh, Emerson, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding parts. 1,690,377; Nov. 6.
- Pugh, John D., Baltimore, Md. Rolling mill. 1,662,331; Mar. 13.
- Pugh, John D., Baltimore, Md. Rolling mill. 1,662,332; Mar. 13.
- Pugh, John P., and W. C. Clark, Shreveport, La. Well packer. 1,695,741; Dec. 18.
- Pugh, John V., assignor to Rudge-Whitworth, Limited, Coventry, England. Wheel brake for vehicles. 1,681,432; Aug. 21.
- Pugliese, Joseph F. (See Smith, Rebecca, assignor.)
- Puglisi, Angelo, New York, N. Y. Cushion-envelope-filling machine. 1,671,840; May 29.
- Pukerud, Thomas S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pneumatic bumper. 1,671,485; May 29.
- Pulkinghorn, William R., assignor to Spra-O-Sal Products, Inc., Los Angeles, Calif. Sanitary device. 1,691,359; Nov. 13.
- Pulclean Manufacturing Corporation. (See Trinks, William W., assignor.)
- Pullen, Fred A., La Fontaine, Ind. Strip-map holder. 1,692,348; Nov. 20.
- Pullen, Myrick W. (See Lee, F. W., and Pullen.)
- Pullen, Rodney S., Atlantic City, N. J., assignor to Pullen-lite Company, Philadelphia, Pa. Match book. 1,694,864; Dec. 11.
- Pullenlite Company. (See Pullen, Rodney S., assignor.)
- Pullets, George, New York, N. Y. Mounted automobile jack. 1,683,987; Sept. 11.
- Pullman Car and Manufacturing Corporation. (See McDonald, William J., assignor.)
- Pullman Car & Manufacturing Corporation. (See Mussey, W. H., and Peterson, assignors.)
- Pullitt, Herman P., Oak Park, Ill., assignor, by mesne assignments, to J. H. Newman, New York, N. Y. Radio equipment. 1,655,877; Jan. 10.
- Pulver, Edward A., et al. (See Pulver, Henry H., assignor.)
- Pulver, Henry H., assignor of one-fourth to J. G. Biehler, one-fourth to E. A. Pulver, and one-fourth to L. H. Pulver, Rochester, N. Y. Vending machine. 1,662,472; Mar. 13.
- Pulver, Libbie H., et al. (See Pulver, Henry H., assignor.)
- Pulverman, Philip E., New York, N. Y. Securing indicator facings to indicator bodies. 1,687,889; Oct. 16.
- Pütz, Willy, Berlin-Niederschönhausen, Germany. Weighing machine. 1,687,852; Oct. 16.
- Pund, Fred W., Cincinnati, Ohio. Electric-light-bulb cap. 1,675,380; July 3.
- Punga, Edwin A. F., Mulheim-on-the-Ruhr, Germany. Method and device for balancing rotating machine parts. 1,685,094; Sept. 25.
- Pungs, Leo, and R. Herzog, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High-frequency telegraphing apparatus. 1,666,753; Apr. 17.
- Pungs, Wilhelm, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Improving the properties of Montan wax. 1,690,876; Nov. 6.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Combined radiator cap and hood ridge structure. Des. 75,586; June 19.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Door-window-regulator handle. Des. 75,929; July 31.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Door-window regulator handle. Des. 75,981; Aug. 7.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Door-control garnish panel. Des. 75,982; Aug. 7.
- Punke, John J., assignor to Hupp Motor Car Corporation, Detroit, Mich. Escutcheon plate. Des. 76,416; Sept. 25.
- Punt, Simon, Grand Rapids, Mich. Marking and cutting device. 1,662,165; Mar. 13.
- Punzak, Joseph F., Brooklyn, assignor to David H. Zell, Inc., New York, N. Y. Coin bank. Des. 75,647; June 26.
- Pupin, Michael L., Norfolk, Conn. Electrical pulse generator. 1,657,587; Jan. 31.
- Purcell, Le Roy, Judson, Ind. Bolt fastening. 1,681,048; Aug. 14.
- Purcell, William F. (See Hiltz, G. S., and Purcell.)
- Purchas, Frederick A., McGraw, N. Y. Candy box. 1,664,464; Apr. 3.
- Purchas, Frederick A., McGraw, N. Y. Partitioning device. 1,664,465; Apr. 3.
- Purchas, Frederick A., McGraw, assignor to Oneida Community, Limited, Oneida, N. Y. Tray or the like. 1,666,668; Apr. 17.
- Purchio, Amico M., Buffalo, N. Y. Controlling mechanism for headlights. 1,672,282; June 5.
- Purdy, Frederick L., Columbus, Ohio. Frame for buildings. Re17,154; Dec. 4.
- Purdy, Herbert M., Madison, Nebr. Automatic railroad gate. 1,671,873; May 29.
- Purdy, Martin K., Stroudsburg, and W. H. Reagle, Tobyhanna, Pa. Electric heater. 1,665,861; Apr. 10.
- Purdy, Milton A., Oakland, assignor of one-half to Pacific Distributing Corporation, San Francisco, Calif. Purification of sodium sulphate. 1,673,471; June 12.
- Pure Oil Company, The. (See Carr, R. H., and Watson, assignors.)
- Pure Oil Company, The. (See Harnsberger, Audley E., assignor.)
- Pure Oil Company, The. (See Watson, Cornelius B., assignor.)
- Purington, Ellison S. (See Chaffee, E. L., and Purington.)
- Purinton, Ellison S., assignor to J. H. Hammond, Gloucester, Mass. Method of and system for telephonic transmission. 1,671,486; May 29.
- Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Cleaning flexible foraminous sheets. 1,694,021; Dec. 4.
- Purity Baking Company. (See Gage, John F., jr., assignor.)
- Purity Chemical Company. (See Odom, Leland L., assignor.)
- Purllant, Samuel F., Winchester, Ky. Clamp. 1,661,576; Mar. 6.
- Purnell, Charles S. (See Guy, Harry L., assignor.)
- Purnell, Guy. (See Hill, A. J., and Purnell.)
- Purnell, Lemuel H., Chicago, Ill. Notching tool. 1,667,985; May 1.
- Purnis, Theodore S., assignor to The K. O. Lee & Sons Company, Aberdeen, S. Dak. Tool for planing valve seats. 1,667,218; Apr. 24.
- Puro Water Filter Company, The. (See Brett, Roy C., assignor.)
- Purox Company. (See Nelson, George F., assignor.)
- Purox Company. (See Spencer, Gerald G., assignor.)
- Purple, George E., La Grange, assignor to Flexible Steel Lacing Company, Chicago, Ill. Retainer clip for belt fasteners. 1,659,001; Feb. 14.
- Pursell, Arthur T., Chicago, Ill., assignor to Arnold Electric Company, Racine, Wis. Liner for citrus-fruit-juice extractors. 1,662,898; Mar. 20.
- Purvis, Charles A., Mound City, assignor to The Purvis Manufacturing Company, Mound City, Kans. Door opening and closing device. 1,654,995; Jan. 3.
- Purvis Manufacturing Company, The. (See Purvis, Charles A., assignor.)
- Purvis, Matthew, and T. Lee, Plymouth, England. Car-buretor. 1,688,285; Oct. 16.
- Purwin, Klemens. (See Stoney, J. T., and Purwin.)
- Puryear, Samuel R., Nashville, Tenn. Apparatus for separating solids. 1,695,021; Dec. 11.
- Pushalski, Stanley, Cleveland, Ohio. Wire-drawing block. 1,675,822; July 3.
- Putnam, Alden L., assignor, by mesne assignments, to Motor Wheel Corporation, Lansing, Mich. Forming demountable-rim-securing members for vehicle wheels. 1,656,014; Jan. 10.
- Putnam, Benjamin F., assignor to American Refining Company, Wichita Falls, Tex. Block retainer pan for tank cars. 1,672,578; June 5.
- Putnam, Carl E. and F. A. Keene, N. H., assignors to Markem Machine Company, Boston, Mass. Type chase. 1,687,951; Oct. 16.
- Putnam, Fred A. (See Putnam, Carl E. and F. A.)
- Putnam, Fred A., Keene, N. H., assignor to Markem Machine Company, Boston, Mass. Marking machine. 1,687,635; Oct. 16.
- Putnam, Howard P. (See Palm, S. M., and Putnam.)
- Putnam, I., Inc. (See Putnam, Israel, assignor.)
- Putnam, Israel, assignor to I. Putnam, Inc., Elmira, N. Y. Trap nest. 1,674,700; June 26.
- Putnam, James B., El Campo, Tex. Combined intake and exhaust manifold. 1,670,550; May 22.
- Putnam, James K., Tulsa, Okla. Well packer. 1,672,169; June 5.
- Putnam, Willis E., Worcester, Mass. Transom adjuster. 1,663,175; Mar. 20.
- Putnam, Willis E., Worcester, Mass. Stepladder. 1,681,879; Aug. 21.
- Putt, Earl B., New York, N. Y. Finely-divided phenolphthalein and making same. 1,693,666; Dec. 4.
- Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-finishing machine. 1,670,166; May 15.

- Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Strip-covering machine. 1,673,530; June 12.
- Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-finishing machine. 1,677,871; July 17.
- Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Bead-covering machine. 1,686,466; Oct. 2.
- Putterman, Benjamin, Brooklyn, N. Y., assignor to American Auto Lamp Co., Inc. Smoker's receptacle. Des. 76,417; Sept. 25.
- Putty, Oscar E., San Pedro, Calif. Overstuffed bedavenport. 1,691,992; Nov. 20.
- Pye, Harold C., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Electromagnetic relay. 1,673,884; June 19.
- Pye, Harold C., Oak Park, assignor to Automatic Electric Inc., Chicago, Ill. Antiside-tone substation circuits. 1,687,695; Oct. 16.
- Pye, Harold C., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone substation circuits. 1,689,598; Oct. 30.
- Pyle, Ellis M. (See Zimmerman, F. D., and Pyle.)
- Pyle, Elmer B., New York, N. Y. Letter-printing apparatus. 1,686,531; Oct. 9.
- Pyle-National Company. (See Bush, R. R., and Dake, assignors.)
- Pyle-National Company, The. (See Dake, Charles W., assignor.)
- Pyle, Paul E., assignor to Schwab Safe Co., La Fayette, Ind. Safe construction. 1,669,486; May 15.
- Pyle, William D. (See Mills, H. A., and Pyle.)
- Pyles, Robert M., Fullerton, Calif. Rotary jar. 1,683,096; Sept. 4.
- Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,658,098; Feb. 7.
- Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,668,604; May 8.
- Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Relasting machine. 1,678,164; July 24.
- Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,678,165; July 24.
- Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 1,693,667; Dec. 4.
- Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,695,559; Dec. 18.
- Pym, Arthur F., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,662,253; Mar. 13.
- Pym, Arthur F., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,674,059; June 19.
- Pym, Arthur F., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Positioning lasts and their shoe materials. 1,674,060; June 19.
- Pym, Arthur F., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-positioning means. 1,674,061; June 19.
- Pym, Arthur F., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-shaping machine. 1,678,873; July 31.
- Pym, Arthur F., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-shaping machine. 1,693,119; Nov. 27.
- Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,662,254; Mar. 13.
- Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,692,278; Nov. 20.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,695,560; Dec. 18.
- Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,695,561; Dec. 18.
- Pyramid Iron Products Corporation. (See Eilers, Henry K., assignor.)
- Pyrratone Products Corporation. (See Sippel, Charles B., assignor.)
- Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
- Pyrene Minimax Corporation. (See Bedford, Howard E., assignor.)
- Pyrene-Minimax Corporation. (See Graaff, Wilhelm, assignor.)
- Pyrene-Minimax Corporation. (See Reddemann, Bernhard, assignor.)
- Pyridium Corporation, The. (See Ostromislensky, Iwan, assignor.)
- Pyzel, Daniel, Oakland, assignor to Simplex Reaping Company, San Francisco, Calif. Circulating dephlegmator. 1,678,823; July 31.
- Q & C Company. (See Holmes, Maximilian J., assignor.)
- Q & C Company. (See Packer, Eben R., assignor.)
- Q & C Company. (See Zimmerman, Emil C., assignor.)
- Q R S Music Company, The. (See Pletcher, Thomas M., assignor.)
- Q R S Music Company, The. (See Roberts, Lee S., assignor.)
- Quackenbush, Roy R., Comstock Park, Mich. Bottle. 1,659,442; Feb. 14.
- Quail, Harold H. (See Tracey, L. J., and Quali.)
- Quain, Henry B., San Jose, Calif. Holder for a fountain pen or the like. Des. 74,802; Mar. 27.
- Quaker City Iron Works. (See Jensen, James A., assignor.)
- Quaker Hosiery Company. (See Goetsch, George W., assignor.)
- Quaker Oats Company, The. (See Trickey, J. P., and Miner, assignors.)
- Quaker Silver Company. (See Jennings, James W., assignor.)
- Quality Hardware & Machine Co. (See Parker, L., assignor.)
- Quality Manufacturing Company. (See Hill, Fred E., assignor.)
- Quant, Alice E., New London, Wis. Dishwasher. 1,688,654; Oct. 23.
- Quantz, Roy J., Pittsburgh, Pa. Convertible garment. 1,693,464; Nov. 27.
- Quarmby, Arthur H., Lansing, Mich. Muffler. 1,681,255; Aug. 21.
- Quart, Thure A., Hartford, Conn. Oil-burning apparatus. 1,687,349; Oct. 9.
- Quasi-Arc Company Limited, The. (See Strohmenger, Arthur P., assignor.)
- Quass, Ralph L., Hawthorne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,660,975; Feb. 28.
- Quassowski, Paul, Berlin, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemenstadt, near Berlin, Germany. Selecting device for telephone systems. 1,678,301; July 24.
- Quast, Herman, Arlington, Minn. Finger ring. 1,695,157; Dec. 11.
- Quates, Leonard S., Montgomery, Ala. Air-brake system and automatic releasing valve. 1,672,731; June 5.
- Quathamer, Jann A., Washburn, Ill. Guard for self-starter plungers. 1,658,857; Feb. 14.
- Quattrochi, Mariano, et al. (See Sabatini, Andy, assignor.)
- Quelch, George C., Oakmont, Pa., assignor to International Oxygen Company, Newark, N. J. Tip for cutting torches. 1,679,586; Aug. 7.
- Quick, Brunnie W., Poughkeepsie, N. Y., assignor to American Machine & Foundry Company. Timing device for package-wrapping machines. 1,689,404; Oct. 30.
- Quick, Charles E., Houston, Tex. Aircraft motor. 1,676,667; July 10.
- Quick, Frank J., Arlington, assignor of 40 per cent to M. L. Kramer, Cranston, R. I. Flower holder. 1,685,056; Sept. 18.
- Quiggle, Edgar J., Shelby, Ohio. Curtain stretcher. 1,686,253; Oct. 2.
- Quigley, Edward J., Newark, N. J. Shirt. 1,690,432; Nov. 6.
- Quigley Furnace Specialties Company. (See Mack, John R., assignor.)
- Quigley, John T., Los Angeles, Calif. Filing system. 1,674,222; June 19.
- Quinby, George F., Boston, Mass., assignor, by mesne assignments, to K. S. Howard, St. Louis, Mo. Innersole-applying device. Re17,018; July 3.
- Quincy Show Case Works. (See Fifer, William A., assignor.)
- Quinlan, James, Minneapolis, Minn. Fuel-gas regulator. 1,692,467; Nov. 20.
- Quinn, Ada, Ogden, Utah. Apron. Des. 74,520; Feb. 21.
- Quinn, Charles H., San Francisco, Calif. Pressure and temperature change responsive furnace-control means. 1,695,606; Dec. 18.
- Quinn, Edward J. (See George, J. R., and Quinn.)
- Quinn, Edward J., C. E. Sprake, and H. J. Gritman, Kingston, Pa. Safety lamp. 1,662,333; Mar. 13.
- Quinn, Felix, assignor of one-half to E. Neuhart, Buffalo, N. Y. Pig-iron mold and the like. 1,679,876; Aug. 7.
- Quinn, Frank, Elton, Bury, England. Machine for cleaning cotton, cotton waste, and like fibrous materials. 1,661,089; Feb. 28.
- Quinn, Gilbert F., Beaumont, Mass. Toothbrush. 1,679,785; Aug. 7.
- Quinn, James A., Montreal, Quebec, Canada. Curling iron. 1,666,469; Apr. 17.
- Quinn, John L., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Self-closing crank-case drainage plug. 1,659,047; Feb. 14.
- Quinn, John N., deceased, Cincinnati, Ohio; R. W. Quinn, administrator. Boiler-tube-blowing device. 1,693,181; Nov. 27.
- Quinn, Richard W., administrator. (See Quinn, John N.)
- Quinn, William A. (See McDonnell, Anthony F., assignor.)
- Quintrell, Harry J., Southgate, Calif. Swab. 1,656,290; Jan. 17.
- Quiroz, Francisco A., and E. H. Peabody, New York, N. Y., assignors to Peabody Engineering Corporation. Strainer for fluids. 1,671,487; May 29.
- Quiroz, Francisco A., and E. H. Peabody, New York, N. Y., assignors to Peabody Engineering Corporation. Liquid-fuel burner. 1,692,349; Nov. 20.

- Quising, Sverre, Madison, Wis. Antiskid device. 1,661,910; Mar. 6.
- Quising, Sverre, Philadelphia, Pa. Adjustable pneumatic spring. 1,676,350; July 10.
- Quising, Sverre, Philadelphia, Pa. Vehicle brake. 1,695,901; Dec. 18.
- Quist, Irving E., Warren, Minn. Cable guard. 1,664,321; Mar. 27.
- Quynn, John W., Parkersburg, W. Va. Golf club. 1,673,994; June 19.
- Qvarnstrom, Ernest J., Attleboro, Mass. Receptacle. 1,658,496; Feb. 7.
- R. C. Products Company, The. (See Evers, W. H., and Shimek, assignors.)
- R. C. Products Company, The. (See Shimek, John W., assignor.)
- R. E. H. Incorporated. (See Miller, Philip M., assignor.)
- Raab, Alexander, Evanston, Ill. Foldable pocket piano keyboard. 1,665,563; Apr. 10.
- Raab, Henry L. (See Detwiler, B. R., and Raab.)
- Raab, Leopold, Vienna, Austria. Internal-combustion engine. 1,674,568; June 19.
- Raab, Leopold, Vienna, assignor to Oesterreichische Daimler-Motoren Aktiengesellschaft, Wiener-Neustadt, Austria. Motor vehicle. 1,681,885; Aug. 21.
- Raasch, Earl C., Waupun, Wis. Interference and static eliminator. 1,686,878; Oct. 9.
- Raasch, Paul K., East Akron, Ohio. Coaster wagon. 1,664,641; Apr. 3.
- Rabate, Jean, assignor to Societe Le Matin, Paris, France. Hearth for type founding and the like. 1,672,142; June 5.
- Rabe, Paul, H. Stötter, B. Wenk, Leverkusen-on-the-Rhine, and W. Schepss, Wiesdorf-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Producing dyeings fast to light. 1,694,562; Dec. 11.
- Rabazzana, Hector, assignor, by mesne assignments, to A C Spark Plug Co., Flint, Mich. Indicating device. 1,668,782; May 8.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,679,987; Aug. 7.
- Rabazzana, Hector, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,679,988; Aug. 7.
- Rabie, Uldege A., Yakima, Wash. Divider. 1,684,886; Sept. 18.
- Rabin, Benjamin J., New York, N. Y. Cheese-cutting device. 1,657,483; Jan. 31.
- Rabinowitz, Bertha. (See Rabinowitz, Henry, assignor.)
- Rabinowitz, Henry, assignor to B. Rabinowitz, Brooklyn, N. Y. Mechanical device. 1,679,627; Aug. 7.
- Rabinowitz, Louis M., New York, N. Y. Attachment for sewing machines. 1,695,607; Dec. 18.
- Rabitz, George, Milwaukee, Wis. Internal relief valve. 1,669,534; May 15.
- Rabkin, William, New York, N. Y. Picture-machine casing. Des. 74,698; Mar. 13.
- Rabut, Charles, New York, N. Y. Chuck for holding twist drills and similar devices. 1,674,223; June 19.
- Rabut, Charles, New York, N. Y. Grinding machine. 1,674,224; June 19.
- Rachlin, Max, New York, N. Y. Gutter hanger. 1,678,874; July 31.
- Rachlin, Max, Brooklyn, N. Y. Sheet-metal-pipe coupling. 1,686,254; Oct. 2.
- Racine Confectioners' Machinery Company. (See Hislop, Robert S., assignor.)
- Racine Confectioners' Machinery Company. (See Krout, Ray W., assignor.)
- Racine Confectioners' Machinery Company. (See Miller, Esek C., assignor.)
- Racine Dispenser Manufacturing Company. (See Hanson, Sivvort, assignor.)
- Racine Electric Company. (See Van Bree, Hubert, assignor.)
- Rackham, George J., assignor to Yellow Coach Manufacturing Company, Chicago, Ill. Brake for vehicles. 1,696,729; Dec. 25.
- Rackmales, Samuel, Baltimore, Md. Saliva collector for smoking equipment. 1,657,516; Jan. 31.
- Racz, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Office chair. Des. 76,151; Aug. 21.
- Radcliffe, Arthur, Boston, Mass. Escalator. 1,682,052; Aug. 28.
- Radcliffe, Carlton R., deceased, New York, N. Y.; C. C. Radcliffe, executrix. Hydraulic power transmitting apparatus for motor vehicles. 1,667,563; Apr. 24.
- Radcliffe, Cressida C., executrix. (See Radcliffe, Carlton R.)
- Radcliffe, James A., Jersey City, N. J. Puzzle. 1,689,364; Oct. 30.
- Radcliffe, John, Upper Clapton, London, England. Road making. 1,655,240; Jan. 3.
- Radcliffe, John C. (See Radcliffe, Owen F., assignor.)
- Radcliffe, Owen F., Los Angeles, assignor of one-half to J. C. Radcliffe, Redwood City, Calif. Sanitary garbage can. 1,656,015; Jan. 10.
- Raddatz, Richard. (See Rogers, H. S., and Raddatz.)
- Radel, John J., Newark, N. J. Telephone instrument. 1,666,399; Apr. 17.
- Radel, John J., Newark, N. J. Golf club. 1,685,826; Oct. 2.
- Rademacher, Oscar. (See Fiebke, Carl F. W., assignor.)
- Rader, Earl D., Bedford, assignor to Dexter Folder Company, New York, N. Y. Wire-stitching folding machine. 1,676,156; July 3.
- Rader, Earl D., Bedford Township, West Chester County, assignor to Dexter Folder Company, New York, N. Y. Folding machine. 1,690,038; Oct. 30.
- Rader, Robert J., New Rochelle, assignor to J. C. Penney Company, New York, N. Y. Display stand. 1,692,311; Nov. 20.
- Radford, Albert E., New Castle, Pa. Pottery-making method. 1,665,978; Apr. 10.
- Radford, Eric H., Los Angeles, Calif. Bucket. 1,656,531; Jan. 17.
- Radford, Robert L., Biltmore, assignor of one-third to H. B. Leavitt, Asheville, N. C. Adjustable window screen. 1,690,649; Nov. 6.
- Radinse, Rudolf R., Cleveland, Ohio. Rotary brush. 1,675,616; July 3.
- Radinse, Rudolph R., Cleveland, Ohio. Rotary wire brush. 1,675,617; July 3.
- Radio Condenser Company. (See Gilling, Preston E., assignor.)
- Radio Condenser Company. (See Ross, Ernest, assignor.)
- Radio Corporation of America. (See Agate, C. S., and Hill, assignors.)
- Radio Corporation of America. (See Alvear, Victor, assignor.)
- Radio Corporation of America. (See Ashbridge, Noel, assignor.)
- Radio Corporation of America. (See Brown, Vincent H., assignor.)
- Radio Corporation of America. (See Cady, Walter G., assignor.)
- Radio Corporation of America. (See Clough, Newsome H., assignor.)
- Radio Corporation of America. (See Dijksterhuis, Popko R., assignor.)
- Radio Corporation of America. (See Donisthorpe, Horace, S. de A., assignor.)
- Radio Corporation of America. (See Donle, Harold P., assignor.)
- Radio Corporation of America, The. (See Dowsett, H. M., and Tilley, assignors.)
- Radio Corporation of America. (See Eckersley, Thomas L., assignor.)
- Radio Corporation of America. (See Farrand, Clair L., assignor.)
- Radio Corporation of America. (See Fitch, Clyde J., assignor.)
- Radio Corporation of America. (See Franklin, Charles S., assignor.)
- Radio Corporation of America. (See Franklin, C. S., and Eckersley, assignors.)
- Radio Corporation of America. (See Friederich, Ernst, assignor.)
- Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
- Radio Corporation of America. (See Haag, Alfred H., assignor.)
- Radio Corporation of America. (See Kroger, Fred H., assignor.)
- Radio Corporation of America. (See Leathers, Ward, assignor.)
- Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
- Radio Corporation of America. (See Little, Donald G., assignor.)
- Radio Corporation of America. (See Loewe, Siegmund, assignor.)
- Radio Corporation of America. (See Manley, Lee L., assignor.)
- Radio Corporation of America. (See McLachlan, Norman W., assignor.)
- Radio Corporation of America. (See McLachlan, N. W., and Langridge, assignors.)
- Radio Corporation of America. (See Nelson, Gerald D., assignor.)
- Radio Corporation of America. (See Ranger, Richard H., assignor.)
- Radio Corporation of America. (See Richmond, Harold, assignor.)
- Radio Corporation of America. (See Round, Henry J., assignor.)
- Radio Corporation of America. (See Schaffer, Walter, assignor.)
- Radio Corporation of America. (See Shapiro, Lazarus, assignor.)
- Radio Corporation of America. (See Tillotson, James, jr., assignor.)
- Radio Corporation of America. (See Trump, Edward H., assignor.)
- Radio Corporation of America. (See von Ardenne, Manfred, assignor.)
- Radio Corporation of America. (See Weinberger, Julius, assignor.)
- Radio Corporation of America. (See Williams, P. W., and Stanley, assignors.)
- Radio Corporation of America. (See Wright, George M., assignor.)
- Radio Electric Clock Corporation. (See Casner, Thaddeus S., assignor.)
- Radio Frequency Laboratories, Inc. (See Ballantine, S., and Seabury, assignors.)

- Radio Frequency Laboratories Incorporated. (See Hull, Lewis M., assignor.)
- Radio Frequency Laboratories, Incorporated. (See Seabury, Richard W., assignor.)
- Radio Patents Corporation. (See Dubilier, William, assignor.)
- Radio Patents Corporation. (See Schmierer, Johannes M., assignor.)
- Radio Patents Corporation. (See Thilo, Günther, assignor.)
- Raditsch, Carl, Camden, N. J. Neckband former and stretcher. 1,664,381; Mar. 27.
- Radium Dial Company. (See Goetschius, Dalton M., assignor.)
- Radium Emanation Corporation, The. (See Muir, Joseph, assignor.)
- Radke, William J., Marmarth, N. Dak. Speedometer and indicator. 1,684,683; Sept. 18.
- Radley, Guy R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrothermally-responsive device. 1,658,254; Feb. 7.
- Rado, Adelaide D. W. (See Rado, Adolph and A. D. W.)
- Rado, Adolph and A. D. W., East Orange, N. J. Dust-mop cleaner. 1,694,891; Dec. 11.
- Radtke, Bruno, Libertyville, assignor to Mills Novelty Company, Chicago, Ill. Wrapping machine. 1,693,403; Nov. 27.
- Radvanyi, Charles, Bridgeport, Conn. Combined creeper and stool. 1,668,379; May 1.
- Radway, Samuel, West Frankfort, Ill. Boiler washer. 1,694,346; Dec. 4.
- Rae, Frank B., Berkeley, Calif. Illuminated display sign. 1,687,106; Oct. 9.
- Rae, Frank B., and V. A. Smith, Berkeley, assignors to Western Lumber Manufacturing Co., Incorporated, San Francisco, Calif. Machine for rejecting faulty separators. 1,692,700; Nov. 20.
- Rae, James M., Medicine Hat, Alberta, Canada. Display stand. 1,664,130; Mar. 27.
- Rae, John, Ocean Falls, British Columbia, Canada. Wood-chipping machine. 1,684,411; Sept. 18.
- Raeburn, William, Waterbury, Conn., assignor to M. E. Bernhard Company, Inc., New York, N. Y. Pocket lighter. Des. 74,988; Apr. 24.
- Raeburn, William, Waterbury, Conn., assignor to The Bascick Manufacturing Company, Chicago, Ill. Lubricating device. 1,685,378; Sept. 25.
- Raettig, Bruno, Hoffnungsthal, near Cologne, Germany. Automatic starting device for alternate-current motors. 1,689,559; Oct. 30.
- Raffner, Emil, Duisburg-on-the-Rhine, Germany, assignor of one-half to W. E. Leuchtenberg, New York, N. Y. Desulphurizing gases. 1,672,778; June 5.
- Ragan, Willis E., Atlanta, Ga. Protection against attack by mites or insects. 1,688,597; Oct. 23.
- Ragenovic, Vido P., Portland, Oreg. Toy. 1,663,729; Mar. 27.
- Raggio, Lawrence, Port Arthur, Tex. Clothes rod. 1,681,010; Aug. 14.
- Ragusa, Girolamo, Pueblo, Colo. Automatic signal. 1,674,123; June 19.
- Rah, Joseph. (See Williams, P. F. and Rah.)
- Rahe, Samuel E., Richmond Hill, N. Y. Machine for cutting match splints. 1,693,937; Dec. 4.
- Rahe, Samuel E., Richmond Hill, N. Y. Machine for making match cords. 1,693,938; Dec. 4.
- Rahe, William, Cincinnati, Ohio. Automobile bumper. 1,666,754; Apr. 17.
- Rahl, Henry F. (See Davidson, L. R., and Rahl.)
- Rahr, Chester E. (See Cady, W. H., and Rahr.)
- Rahr, Chester E., Brookline, Mass., and F. C. Overbury, Hillsdale, N. J. Roofing. 1,666,755; Apr. 17.
- Raiche, Paul A., assignor to Davol Rubber Company, Providence, R. I. Making air pillows and the like. 1,658,008; Jan. 31.
- Raidt, Byron F., Shenandoah, Iowa. Visor light. 1,672,779; June 5.
- Rall, Glen J., Oxford, N. C. Combination implement. 1,683,485; Sept. 4.
- Rall Joint Company, The. (See Armstrong, Victor C., assignor.)
- Rall Joint Company, The. (See Disbrow, Clarkson A., assignor.)
- Rall Joint Company, The. (See Hobbs, James W., assignor.)
- Railroad Supply Company, The. (See Rhodes, Arvid, assignor.)
- Railway Devices Company. (See Habenicht, Frederick K., assignor.)
- Railway Devices Company. (See Hoerr, Louis A., assignor.)
- Railway and Industrial Engineering Company. (See Beattie, David, assignor.)
- Railway Metal Products Company. (See Small, Arthur E., assignor.)
- Railway Motors Corporation. (See Melcher, Lee W., assignor.)
- Railway Utility Company. (See Hartwig, William G., assignor.)
- Rail Welding and Bonding Company. (See Gruenfeldt, Emil, assignor.)
- Rahmer, Philip, Maple Heights, Ohio. Tractor trailer connection. 1,661,737; Mar. 6.
- Rainaud, Henry E., Meriden, Conn. Process and apparatus for spinning metal tubes. 1,666,581; Apr. 17.
- Rainbow Light, Inc. (See Machlett, Raymond R., assignor.)
- Rainbow Light, Inc. (See Stokes, John F., assignor.)
- Raines, Thaddeus E., Pompano, Fla. Power-transmission jack. 1,637,937; Jan. 31.
- Rainey, Austin E., Grove City, Pa. Child's convertible toy. 1,663,060; Mar. 20.
- Rainey, Austin E., Grove City, Pa. Scooter sled. 1,667,436; Apr. 24.
- Rainey, Austin E., Grove city, Pa. Toy wagon. 1,689,682; Oct. 30.
- Rainsford, Thomas F., Detroit, assignor to Whitehead and Kales, Inc., River Rouge, Mich. Spoke-forming machine. 1,672,087; June 5.
- Rainsford, Thomas F., assignor of one-fourth to T. C. Whitehead, Detroit, Mich. Brake construction. 1,679,495; Aug. 7.
- Rainsford, Thomas F., Detroit, assignor to Whitehead and Kales, Inc., River Rouge, Mich. Material-feeding device. 1,693,728; Dec. 4.
- Rainsford, Thomas F., and T. C. Whitehead, Detroit, Mich.; said Rainsford assignor to said Whitehead. Condenser for refrigerating apparatus. 1,672,086; June 5.
- Raiziss, George W., and B. C. Fisher, Philadelphia, Pa., assignors to The Abbott Laboratories, Chicago, Ill. Manufacture of aldehyde compounds of diamino-acridines and the novel product resulting therefrom. 1,670,740; May 22.
- Rajal, Joseph F., Louisville, Ky. Trousers hanger. 1,668,466; May 1.
- Rajet Company. (See Whitney, Lyman F. and W. E., assignors.)
- Rajewsky, Max. (See Eisenberg, R., and Rajewsky.)
- Rakofsky, Michael, New York, N. Y. Convertible carriage stroller. 1,658,208; Feb. 7.
- Rakowitzky, Hirsch. (See Rakowitzky, Selman and H.)
- Rakowitzky, Selman and H., Vienna, Austria. Device for advancing bands of match cards in machines for the manufacture of matches. 1,659,217; Feb. 14.
- Ralco Manufacturing Company. (See Lofgren, John, assignor.)
- Raleigh, James F., River Forest, assignor to Pines Winterfront Company, Chicago, Ill. Tire-chain lock. 1,654,752; Jan. 3.
- Raleigh, James F., River Forest, assignor to Pines Winterfront Company, Chicago, Ill. Theft-preventing device. 1,667,986; May 1.
- Raleigh, James F., River Forest, assignor to Pines Winterfront Company, Chicago, Ill. Shutter apparatus for radiators. 1,673,995; June 19.
- Raleigh, James F., River Forest, assignor to Pines Winterfront Company, Chicago, Ill. Automobile heater. 1,681,256; Aug. 21.
- Raleigh, James F., assignor to Pines Winterfront Company, Chicago, Ill. Theft-preventing device. 1,659,702; Feb. 21.
- Raleigh, James F., assignor to Pines Winterfront Company, Chicago, Ill. Theft-preventing device. 1,687,734; Oct. 16.
- Ralston, Emmet G., Indianapolis, Ind. Graphic meter chart and drive. 1,667,492; Apr. 24.
- Ralston, Harley C., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Shear. 1,662,473; Mar. 13.
- Ralston, William B., Fort Wayne, Ind. Carburetor. 1,679,742; Aug. 7.
- Ramage, Alexander S., Detroit, Mich. Peroxide of hydrocarbon and making the same. 1,689,599; Oct. 30.
- Ramage, Alexander S., assignor to Bostaph Engineering Co., Detroit, Mich. Transforming light paraffin hydrocarbons into other products. 1,678,078; July 24.
- Ramage, Alexander S., Detroit, Mich., assignor, by mesne assignments, to Gyro Process Corporation. Production of higher-boiling-point hydrocarbons from low-boiling hydrocarbons and hydrocarbon gases. 1,687,890; Oct. 16.
- Ramage, William H., Girard, assignor to Valley Mould & Iron Corporation, Hubbard, Ohio. Ingot-mold set-up. 1,673,778; June 12.
- Ramage, William H., Girard, Ohio, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Hot top for ingot molds. 1,689,175; Oct. 23.
- Ramapo Ajax Corporation. (See Bender, William, assignor.)
- Ramar Syndicate, Inc. (See Witham, George S., sr., assignor.)
- Ramazotti, Daniel V., assignor to The Knight Company, Sutter Creek, Calif. Road scarifier. 1,665,277; Apr. 10.
- Ramée, Charles E., New York, N. Y. Line clamp. 1,693,960; Dec. 4.
- Ramer, Sarah K., Vancouver, British Columbia, Canada. Card game. 1,681,683; Aug. 21.
- Ramey, Theresa L. (See Williams, Edward B., assignor.)
- Ramgren, Napoleon, Ogilvie, Minn. Cream cooler. 1,664,704; Apr. 3.
- Ramie Corporation of America, Inc. (See Michotte, Felicien, assignor.)
- Ramig, George H. (See Sherman, A. G., Smith, Ramig, and Roose.)
- Ramion, Peter J. (See Hansen, B., and Ramion.)
- Ramp Buildings Corporation. (See d'Humy, Fernand E., assignor.)

- Rampfel, Heinrich, Lakewood, N. J., assignor to Nathan Straus & Sons, Inc., New York, N. Y. Plate or similar article. Des. 75,745; July 10.
- Rampfel, Heinrich, Lakewood, N. J., assignor to Nathan Straus & Sons, Inc., New York, N. Y. Plate or similar article. Des. 76,550; Oct. 9.
- Ramsay, Ansil S., Troy, Ala. Dirigible headlight. 1,683,300; Sept. 4.
- Ramsay, Erskine, Birmingham, Ala. Long-wall mining shield. 1,684,597; Sept. 18.
- Ramsay, Erskine, Birmingham, Ala. Rotary dump. 1,685,203; Sept. 25.
- Ramsay, Warren A., Jersey City, N. J. Waterproof container. 1,684,289; Sept. 11.
- Ramsay, William A., Honolulu, Hawaii. Conveyor for sugar-cane mills. 1,690,877; Nov. 6.
- Ramsdell, Chauncey, Forestville, N. Y. Water power. 1,662,937; Mar. 20.
- Ramsdell, Lyndon O., Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Measuring machine. 1,658,351; Feb. 7.
- Ramsdell, Lyndon O., Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Leather working machine. 1,688,655; Oct. 23.
- Ramsden, Charles R., Brandon, Manitoba, Canada. Thermostatically-controlled ignition cut-out for lubricating systems. 1,670,823; May 22.
- Ramsey, Edward J., New York, N. Y. Stitch-down weltless shoe. 1,695,697; Dec. 18.
- Ramsey, George. (See Valentine, K., and Ramsey.)
- Ramsey, George, Brooklyn, N. Y. Optical speedometer. 1,665,278; Apr. 10.
- Ramsey, George, Brooklyn, N. Y. Sound-reproducing method and apparatus. 1,680,694; Aug. 14.
- Ramsey, George, Brooklyn, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Lug cap. 1,659,703; Feb. 21.
- Ramsey, John A. (See Szekely, Otto E., assignor.)
- Ramsey, Maxwell B., St. Louis, Mo. Mortuary bed. 1,667,080; Apr. 24.
- Ramy, Paul, Brussels, Belgium. Securing railway rails to their supports. 1,693,465; Nov. 27.
- Ran, Mart D., Lincoln, Nebr. Fender-straightening device. 1,686,442; Oct. 2.
- Rancourt, Walter J., Boston, Mass. Skin cleansing and massaging device. 1,683,410; Sept. 4.
- Rancourt, Walter J., Boston, Mass. Tap-splitting machine. Re17,122; Oct. 30.
- Rand, Charles A. A., assignor to International Harvester Company, Chicago, Ill. Feeding means for centrifugal grinders. 1,691,585; Nov. 13.
- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Index device. 1,658,393; Feb. 7.
- Rand, James H., North Tonawanda, assignor, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Index device. 1,658,394; Feb. 7.
- Rand, James H., jr., Tonawanda, assignor, by mesne assignments, to Remington Rand, Inc., New York, N. Y. Index device. 1,679,005; July 31.
- Randall, Arthur F., Boston, Mass. Loud speaker. 1,696,863; Dec. 25.
- Randall, Edgar L., Muswell Hill, assignor to The General Electric Company Limited, London, England. Lighting fitting. 1,691,938; Nov. 20.
- Randall, Frank E., assignor of two-thirds to T. Holmes and J. E. Glenn, Los Angeles, Calif. Adjustable eraser holder. 1,662,474; Mar. 13.
- Randall, Frank L., Erie, Pa. Container for storing and shipping. 1,672,904; June 12.
- Randall, Herman P. (See Shannon, S. Q. and Randall.)
- Randall, Howard D., Cincinnati, Ohio. Weather strip. 1,687,589; Oct. 16.
- Randall, James W. H., New York, N. Y., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Laminated glass and producing the same. 1,693,729; Dec. 4.
- Randall, Joseph W. (See Rockwell, S. F., and Randall.)
- Randall, Karl C., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,660,886; Feb. 28.
- Randall, Parke, Lille, France, assignor to International Harvester Company. Side-delivery rake and swath turner. 1,687,310; Oct. 9.
- Randall, Seth. (See Kennett, Richard, assignor.)
- Randecker, Leonard E., assignor to Hammermill Paper Company, Erie, Pa. Pulp beater. 1,689,932; Oct. 30.
- Randel, Ivar A., Chicago, Ill. Seat for equalizing bars. 1,671,743; May 29.
- Randle, Clarence E. (See Connolly, T. F., and Randle, assignors.)
- Randle, Clyde L., and F. S. Anderson; said Anderson assignor to G. Sutherland, Eureka, Calif. Automatic automobile light indicator. 1,665,640; Apr. 10.
- Randle, George N., Oakland, Calif. Urinal for automobiles and the like. 1,664,642; Apr. 8.
- Randle, Lloyd. (See Connolly, T. F., and Randle.)
- Randol, Glenn T., Muncie, Ind. Gear-shifting mechanism. 1,687,590; Oct. 16.
- Randol, Glenn T., Marmaduke, Ark., and R. S. Plexico, Muncie, Ind.; said Plexico assignor to said Randol. Gear-shifting mechanism. 1,687,591; Oct. 16.
- Randolph, Alfred, assignor to The Deming Company, Salem, Ohio. Power-pump working head. 1,682,537; Aug. 28.
- Randolph, Charles P., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Waffle iron. Des. 74,574; Feb. 28.
- Randolph, Charles P., Oak Park, assignor to Edison Electric Appliance Company, Chicago, Ill. Percolator. 1,684,242; Sept. 11.
- Randolph, Charles P., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric waffle iron. 1,694,981; Dec. 11.
- Randolph, Clifford F., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Tailstock-clamping mechanism. 1,664,757; Apr. 3.
- Randolph, Clifford F., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Manually-controlled feeding mechanism for planers. 1,678,302; July 24.
- Randolph, Clifford F., R. H. Rausch, and N. Marcalus, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Tool feeding and clamping mechanism for planers. 1,680,747; Aug. 14.
- Randolph, Le Moine F., Chicago, Ill. Self-closing bag. 1,689,453; Oct. 30.
- Randolph, Oliver W., Toledo, Ohio. Drying. 1,685,338; Sept. 25.
- Randolph, Oliver W., Toledo, Ohio. Furnace. 1,685,339; Sept. 25.
- Randolph, Walter. (See Arnold, F., and Randolph.)
- Randon, Thadeus, and H. Phoenix, Wilkes-Barre, Pa. Combined sash lock and signal-switch actuator. 1,686,032; Oct. 2.
- Raney, Clemma R. (See Benjamin, B. R., and Raney.)
- Raney, Clemma R. (See Benjamin, B. R., Raney, and Webber.)
- Raney, Clemma R., assignor to International Harvester Company, Chicago, Ill. Shocker. 1,659,002; Feb. 14.
- Raney, Clemma R., assignor to International Harvester Company, Chicago, Ill. Grain shocker. 1,659,003; Feb. 14.
- Raney, Clemma R., Riverside, Ill., assignor to International Harvester Co. Grain shocker. 1,659,004; Feb. 14.
- Raney, Clemma R., Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Conveying and feeding mechanism for harvester thrashers. 1,667,391; Apr. 24.
- Raney, Clemma R., Riverside, and A. E. W. Johnson, assignors to International Harvester Company, Chicago, Ill. Bagging platform and carrier attachment for harvester thrashers. 1,677,490; July 17.
- Raney, Estell C., Columbus, Ohio. Automatically-reclosing circuit breaker. 1,695,506; Dec. 18.
- Ranger, Arthur W., London, England. Sheet-delivery apparatus for use on printing machines. 1,666,246; Apr. 17.
- Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Facsimile-producing system. 1,656,338; Jan. 17.
- Ranger, Richard H., Brooklyn, N. Y., assignor to Radio Corporation of America. Interference-reducing means for radio receiving apparatus. 1,683,916; Sept. 11.
- Ranger, Richard H., Newark, N. J. Radiotelegraphy. 1,688,554; Oct. 23.
- Rangiertechische Gesellschaft m. b. H. (See Wenzel, Karl E., assignor.)
- Rank, Henry. (See Rank, John and H.)
- Rank, Henry W. (See Rank, John and H. W.)
- Rank, John, Minneapolis, Minn., and H. Rank, Pontiac, Mich. Traffic signal. 1,688,398; Oct. 23.
- Rank, John and H. W., Minneapolis, Minn. Traffic signal. 1,661,446; Mar. 6.
- Rank, John and H. W., Minneapolis, Minn. Traffic signal. 1,691,126; Nov. 13.
- Rankin, Arnold, Portland, Ore. Clothes-washing machine. 1,688,555; Oct. 23.
- Rankin, David P., Kearney, Nebr. Spirally-wound metallic belt. 1,683,697; Sept. 11.
- Rankin, Ernest L., London, England. Divider or compass. 1,676,964; July 10.
- Rankin, Ernest L., assignor to C. W. W. Hanbidge, London, England. Driving mechanism for gramophones and the like. 1,693,495; Nov. 27.
- Rankin, Ollie W., Covington, Ky., assignor to The Dawson-Evans Construction Co., St. Bernard, Ohio. Cutting tool for the tie wires or bands of concrete building forms, barrels, boxes, bales, and the like. 1,695,022; Dec. 11.
- Rankin, William A., Rochester, N. Y. Heating element for electric irons. 1,665,219; Apr. 10.
- Rankin, William A., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Percolator. 1,696,451; Dec. 25.
- Rankin, William J. (See Sigrist, Augustus J., assignor.)
- Rankin, William K., Scotia, N. Y., assignor to General Electric Company. Electric switch. 1,694,282; Dec. 4.
- Rankin, William K., Schenectady, N. Y., assignor to General Electric Company. Electric-switch-operating mechanism. 1,696,582; Dec. 25.
- Ranney, Leo, Jacksboro, Tex., assignor to Standard Oil Development Company. Apparatus for recovering oil. 1,660,818; Feb. 28.
- Ranney, Leo, New York, N. Y., assignor to Standard Oil Development Corporation. Oil-mining method and apparatus. 1,667,269; Apr. 24.
- Ranseen, Mauritz C., Minneapolis, Minn. Golf tee. 1,670,123; May 15.

- Ranschoff, Fred, assignor to The Fleischmann Company, New York, N. Y. Treating molasses. 1,688,831; Oct. 23.
- Ransom, Daniel P., Woodstock, Vt. Rug or carpet beater. 1,667,605; Apr. 24.
- Ransome Concrete Machinery Company. (See Allen, George T., assignor.)
- Ransome Concrete Machinery Company. (See Berle, Helge A., assignor.)
- Ransome Concrete Machinery Company. (See Bushnell, James E., assignor.)
- Ransome Concrete Machinery Company. (See Fitzgerald, James H., assignor.)
- Rantasa, Jakob, Vienna, Austria. Propelling arrangement on sleighs. 1,696,125; Dec. 18.
- Ranz, Jacob, St. Louis, Mo. Flywheel. 1,663,814; Mar. 27.
- Ranzan, Boris, New York, N. Y. Automatic explosive mechanism. 1,688,986; Oct. 23.
- Rapelje, John A., Bonton, N. J., assignor to American Telephone and Telegraph Company. Wire clamp. 1,659,745; Feb. 21.
- Raper, Joseph C., Covington, Ky. Metallic rolling shutter. 1,667,081; Apr. 24.
- Rappaport, Herman, Brooklyn, N. Y. Making sweatbands. 1,694,230; Dec. 4.
- Rappaport, Samuel, Brooklyn, N. Y. Box. 1,666,913; Apr. 24.
- Rappleay, George W., New Orleans, La. Sectional-built portable house. 1,689,642; Oct. 30.
- Rapevez, Joseph, Philadelphia, Pa. Musical instrument. 1,691,168; Nov. 13.
- Raschick, Charles T., St. Paul, Minn. Check holder and cutter. 1,662,166; Mar. 13.
- Raschick, Charles T., St. Paul, Minn. Restaurant check. 1,664,573; Apr. 3.
- Raschick, Charles T., St. Paul, Minn. Sales-check system. 1,675,908; July 3.
- Raschick, Charles T., St. Paul, Minn. Milk-bottle cover. 1,682,090; Aug. 28.
- Raschick, Charles T., St. Paul, Minn. Check-notching device. 1,689,252; Oct. 30.
- Rasck, George P., Des Moines, Iowa. Rotary engine. 1,655,738; Jan. 10.
- Raser, William V. (See McCreary, Charles C., assignor.)
- Rasey, Albert L., Milwaukee, Wis. Clarifying device for liquids. Re16,932; Apr. 10.
- Rasmussen, Aage, assignor of forty-five one-hundredths to F. W. Dickson, Milwaukee, Wis. Mechanical movement. 1,670,903; May 22.
- Rasmussen, Charles E. (See Jandus, H. S., and Rasmussen.)
- Rasmussen, Chester A., et al. (See Hazlett, Walter H., assignor.)
- Rasmussen, Chester A., Long Beach, Calif. Capping device for oil wells. 1,664,643; Apr. 3.
- Rasmussen, Christian H., Cleveland, and J. C. Hoffman, Akron, Ohio. Power car. 1,670,007; May 15.
- Rasmussen, Clarence H., Des Moines, Iowa. Heating stove. 1,656,500; Jan. 17.
- Rasmussen, Kristian, Buffalo, N. Y. Fuel-oil-injection pump. 1,695,716; Dec. 18.
- Rasmussen, Martin. (See Ritter, J., jr., and Rasmussen.)
- Rasmussen, Oluf H. (See Clemetson, S. A., and Rasmussen.)
- Rasmussen, Sophus. (See Olsen, W., and Rasmussen.)
- Raso, Bernardo. (See Re, W. C., and Raso.)
- Rassmann, F., Manufacturing Company. (See Rassmann, Hugo C., assignor.)
- Rassmann, Hugo C., assignor to F. Rassmann Manufacturing Company, Beaver Dam, Wis. Water-bowl construction for cattle. 1,666,791; Apr. 17.
- Rassmann, Hugo C., assignor to F. Rassmann Manufacturing Company, Beaver Dam, Wis. Silo or tank lug. 1,680,913; Aug. 14.
- Rassow, Horst, Berlin-Wilmersdorf, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Device for synchronizing individually-driven parts at a transmitter and a receiver station. 1,683,301; Sept. 4.
- Rast, Felix Q., New York, N. Y. Coin-operative device. 1,695,439; Dec. 18.
- Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,679,173; July 31.
- Rastetter, William C., Fort Wayne, Ind. Collapsible chair. 1,680,173; Aug. 7.
- Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,693,349; Nov. 27.
- Rataiczak, Thomas F. (See Johnston, H. L., and Rataiczak.)
- Ratcliff, Arthur, assignor to Hummel & Downing Co., Milwaukee, Wis. Shirt envelope. 1,676,286; July 10.
- Ratcliff, Floyd, Goodland, Kans. Cultivator. 1,673,202; June 12.
- Ratcliff, William D., Limehouse, London, assignor to The Cross-Ratcliff Lining and Mounting Machinery Company, Limited, London, England. Machine for affixing sheets of paper or like the like to bards, cards, or like mounts. 1,669,488; May 15.
- Ratcliffe, John N. (See Watkinson, Frederick J., assignor.)
- Rath, Curt. (See Binz, A., and Rath.)
- Rath, Curt, Berlin, Germany. Preparation of 2-amino-5-iodopyridine. 1,671,256; May 29.
- Rath, Curt, Berlin, Germany. Preparation of hydrazino pyridine compounds. 1,671,257; May 29.
- Rath, Curt, Berlin, Germany. Derivatives of 3- or 5-iodo pyridine. 1,672,340; June 5.
- Rath, Lewis G., Pine Lawn, Mo. Dirigible headlight. 1,683,802; Sept. 11.
- Rathbone Machine Company, The. (See McCabe, Frank E., assignor.)
- Rathbone, Thomas C., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vibroscope. 1,673,949; June 19.
- Rathbone, Thomas C., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grid leak. 1,691,251; Nov. 13.
- Rathbun, Edward, Toledo, Ohio, assignor to Ingersoll-Rand Company, Jersey City, N. J., and The Rathbun-Jones Engineering Company, Toledo, Ohio. Distributor for combustion engines. 1,669,398; May 8.
- Rathbun, George J., Toledo, Ohio, assignor to Ingersoll-Rand Company, Jersey City, N. J., and The Rathbun-Jones Engineering Company. Gas-engine-driven air compressor. 1,657,177; Jan. 24.
- Rathbun-Jones Engineering Company, The, et al. (See Rathbun, Edward, assignor.)
- Rathbun-Jones Engineering Company, The, et al. (See Rathbun, George J., assignor.)
- Rathjen, William L., Portland, Oreg. Thread holder and cutter. 1,683,803; Sept. 11.
- Rathke, Alfred C. F., assignor to Kühltransit-Verkehrs-Aktiengesellschaft, Leipzig, Germany. Heat-tight and air-tight closing device for doors. 1,682,091; Aug. 28.
- Rathsach, Vitus, Copenhagen, Denmark. Violin bow. 1,673,996; June 19.
- Ratigan, James P., Los Angeles, Calif. Beam bearing for deep-well pumps. 1,657,178; Jan. 24.
- Ratkowski, Thomas, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Replaceable-point excavator tooth. 1,690,834; Nov. 6.
- Ratkowski, Thomas, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Excavator lip with integral teeth. 1,690,835; Nov. 6.
- Ratliff, Stanley M., Norwood, assignor to The American Tool Works, Cincinnati, Ohio. Traveling drilling machine. 1,676,206; July 3.
- Rattermann, L. B., et al. (See Iserman, S., Vernet, and Moses, assignors.)
- Ratti, Giuseppe, Turin, Italy. Goggles. 1,688,433; Oct. 23.
- Ratzlaff, Henry T., Oakland, Calif. Automobile bed. 1,657,484; Jan. 31.
- Rau Construction Company. (See Rau, Gustav, assignor.)
- Rau Fastener Co. (See Reiter, L., and Colby, assignors.)
- Rau, Gotthilf. (See Walther, W., and Rau.)
- Rau, Gustav, Kansas City, Mo. Air-cooled block for lining walls. 1,684,329; Sept. 11.
- Rau, Gustav, assignor to Rau Construction Company, Kansas City, Mo. Wall. 1,673,640; June 12.
- Rau, Henry V. (See Karlson, K. F. T., and Rau.)
- Rau, Henry V., Brooklyn, assignor to A. G. Spalding & Bros. Inc., New York, N. Y. Golf-bag bottom. 1,684,111; Sept. 11.
- Rauch, Charles G., Tulsa, Okla. Bit rack for vehicles. 1,674,569; June 19.
- Rauch, Frank X., et al. (See Grayson, John H., assignor.)
- Rauch, John D., Lima, Ohio. Motor-truck wheel. 1,685,294; Sept. 25.
- Rauch, John D., assignor to The Cast Steel Devices Co., Lima, Ohio. Locomotive frame. 1,686,104; Oct. 2.
- Rauch, Raymond N., et al. (See Grayson, John H., assignor.)
- Raue, Emil. (See Hollstein, P. G., and Raue.)
- Rauen, Peter F., Omaha, Nebr. Milk-can cover. 1,678,953; July 31.
- Raufus, Fred J., Great Kills, N. Y. Doll. 1,693,157; Nov. 27.
- Rauh, Frederic H., South Orange, assignor to J. Wiss & Sons Co., Newark, N. J. Clipper. 1,681,746; Aug. 21.
- Rauh, Herbert S., New York, N. Y. Legging. 1,678,954; July 31.
- Rauhofer, John, Bethlehem, Pa. Wash-line-supporting pole. 1,690,947; Nov. 6.
- Raun, Peter H., assignor to The Frederick Engineering Company, Frederick, Md. Apparatus for handling ashes and other materials. 1,683,917; Sept. 11.
- Raus, Anton. (See Phelps, R. G., and Raus.)
- Raus, Charles. (See Morgenstern, J., and Raus.)
- Raus, Joseph F., New York, N. Y. Plastering machine. 1,663,416; Mar. 20.
- Rausch, Roswell H. (See Deale, R. C., and Rausch.)
- Rausch, Roswell H. (See Marcalus, N., and Rausch.)
- Rausch, Roswell H. (See Randolph, C. F., Rausch, and Marcalus.)
- Rauschelbach, John F., Los Angeles, Calif. Automobile signal. 1,679,944; Aug. 7.
- Rauschenberg, Sidney, San Diego, Calif. Impingement exfoliated shell and producing the same. 1,689,842; Oct. 30.
- Rauschenberger, George W., Butler, Pa. Apparatus for coating candies, cakes, etc. 1,686,174; Oct. 2.
- Rauscher, Joseph A. (See Conly, John A., assignor.)
- Raya, Alexander, New York, N. Y., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Inductively heating the metallic parts of inclosed electrical devices. 1,676,049; July 3.

- Rave, Elmer M., Brooklyn, N. Y., assignor of one-third to B. B. Hale, East Orange, N. J., and one-third to D. H. Reid, Brooklyn, N. Y. Radiocommunication. 1,687,792; Oct. 16.
- Ravinovitz, Harry, New York, N. Y. Safety device for coal-cutting machines. 1,659,923; Feb. 21.
- Ravut, Camille L. M., assignor to Société Industrielle des Téléphones (Constructions Electriques, Caoutchouc, Cables), Paris, France. Electric connection. 1,663,730; Mar. 27.
- Rawley, Wayne, assignor to Blaw-Knox Company, Pittsburgh, Pa. Pole support. 1,689,050; Oct. 23.
- Rawling, Francis G., Knoxville, Tenn. Pulping wood. 1,673,089; June 12.
- Rawling, Francis G., Knoxville, Tenn. Pulping wood. 1,679,682; Aug. 7.
- Rawling, Francis G., Madison, Wis. Producing acetic acid. 1,681,684; Aug. 21.
- Rawling, Francis G., Madison, Wis. Producing sodium acetate. 1,695,742; Dec. 18.
- Rawlings, John J., South Kensington, London, assignor of one-half to The Rawlplug Company Limited, London, England. Tubular fibrous wall plug. 1,690,909; Nov. 6.
- Rawlings Manufacturing Company. (See Scudder, Mason, assignor.)
- Rawlings Manufacturing Company. (See Whitley, William P., assignor.)
- Rawlings Manufacturing Company Limited. (See Plummer, Herbert T., assignor.)
- Rawlings, William E., near San Jose, Calif. Bottle spout. 1,658,395; Feb. 7.
- Rawlings, William E., near San Jose, Calif. Jack. 1,665,979; Apr. 10.
- Rawlings, William E., near San Jose, Calif. Trap. 1,667,048; Apr. 24.
- Rawlings, William E., near San Jose, Calif. Float. 1,671,874; May 29.
- Rawlings, William E., Santa Clara County, Calif. Bed canopy. 1,665,980; Apr. 10.
- Rawlplug Company, Limited, The. (See Rawlings, John J., assignor.)
- Rawson Electrical Instrument Company. (See Lush, Arthur J., assignor.)
- Rawson, Emanuel, Jersey City, N. J., assignor to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,654,896; Jan. 3.
- Rawson, Grant I., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler Cleaner. 1,673,158; June 12.
- Rawson, Ralph H. (See Goss, O. P. M., and Rawson.)
- Rawsthorne, Robert, jr. (See Kinzler, Edward F., assignor.)
- Rawstron, Donald, Black Mountain, N. C., assignor of one-half to C. D. Faxon, Chicago, Ill. Spring mounting for vehicles. 1,659,746; Feb. 21.
- Ray, Alvis M., Tacoma, Wash. Display-card holder. 1,681,595; Aug. 21.
- Ray, Arthur B., Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Bonding activated carbon. Re16,896; Mar. 6.
- Ray, Arthur B., Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Separating gas mixtures. 1,685,883; Oct. 2.
- Ray, Arthur B., Bayside, E. G. Boying, New York, N. Y., and J. J. Butkovsky, Elizabeth, N. J., assignors to Carbide and Carbon Chemicals Corporation. Making Activated carbon. 1,694,040; Dec. 4.
- Ray, Arthur J., Cuba, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,686,838; Oct. 9.
- Ray, Arthur J., Cuba, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,688,656; Oct. 23.
- Ray, Arthur J., and H. B. McElroy, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,672,088; June 5.
- Ray, Arthur W., Cleveland, Ohio, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Reel. 1,672,732; June 5.
- Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Harrow. 1,670,521; May 22.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,688,434; Oct. 23.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-waxing device. 1,690,246; Nov. 6.
- Ray, Frank A. (See Weber, Reinhold, assignor.)
- Ray, George M., Newton Center, Mass. Divided last. 1,688,354; Oct. 23.
- Ray, George W., Forty Fort, Pa. Vehicle chassis. 1,664,131; Mar. 27.
- Ray, George W., Forty Fort, Pa. Aeroplane. 1,671,164; May 29.
- Ray, George W., Forty Fort, Pa. Cultivator. 1,680,914; Aug. 14.
- Ray, Helen L., Los Angeles, Calif. Ornamentation for wash dresses. 1,686,988; Oct. 9.
- Ray, James L., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-blade lashing. 1,663,563; Mar. 27.
- Ray, James L., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-nozzle manifold. 1,679,496; Aug. 7.
- Ray, James L., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blade fastening. 1,687,891; Oct. 16.
- Ray, John N., assignor, by mesne assignments, to Brandes Laboratories, Inc., Newark, N. J. Magnometer. 1,666,309; Apr. 17.
- Ray, Thomas, Manistee, Mich. Carton. 1,672,623; June 5.
- Ray, Walter, et al. (See Hadi, Ali, assignor.)
- Ray, William H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-applying apparatus. 1,659,895; Feb. 21.
- Ray, William H., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for interconnecting and testing electrical apparatus. 1,696,012; Dec. 18.
- Ray, William R., San Francisco, Calif. Automatic oil feeding and regulating valve. 1,657,807; Jan. 31.
- Ray, William R., San Francisco, Calif. Pilot-valve-actuating mechanism for oil burners. 1,670,741; May 22.
- Ray, William R., San Francisco, Calif. Oil burner. 1,681,647; Aug. 21.
- Raybestos Company. (See Novak, Izador J., assignor.)
- Raybestos Company, The. (See Novak, Izador J., assignor.)
- Raybestos Company, The. (See Stanley, Frederick C., assignor.)
- Rayburn, Alden G., Sausalito, assignor to E. Winship, San Francisco, Calif. Vehicle brake. 1,660,176; Feb. 21.
- Rayburn, Edmund F., Findlay, Ohio. Hot plate. Des. 74,896; Apr. 10.
- Rayburn, James E., Ruppertown, Tenn. Fence barb. 1,670,481; May 22.
- Rayfield, Charles L., Chicago, Ill., assignor to Rayfield Manufacturing Company. Oil burner. 1,668,697; May 8.
- Rayfield, Charles L., assignor to Rayfield Manufacturing Company, Chicago, Ill. Electrical ignition system for oil burners. 1,668,698; May 8.
- Rayfield, Charles L., Chicago, Ill., assignor, by mesne assignments, to Genesee Carburetor Company, Flint, Mich. Two-level multijet carburetor. 1,674,062; June 19.
- Rayfield, Charles L., Chicago, Ill., assignor to Rayfield Manufacturing Co. Liquid-fuel-burning system. 1,675,133; June 26.
- Rayfield, Charles L., Chicago, Ill., assignor, by mesne assignments, to Marvel Carburetor Company, Flint, Mich. Floating-venturi carburetor. 1,693,350; Nov. 27.
- Rayfield, Charles L., assignor to Rayfield Manufacturing Company, Chicago, Ill. Nozzle for oil burners. 1,693,866; Dec. 4.
- Rayfield Manufacturing Company. (See Rayfield, Charles L., assignor.)
- Raym, Willibald, Deuz, Germany. Milling and like roll or cylinder and manufacturing the same. 1,659,896; Feb. 21.
- Raymond, Achille F., Grenoble, France. Fastening button. 1,666,582; Apr. 17.
- Raymond, Charles, et al. (See Cerfvol, Albert, assignor.)
- Raymond Concrete Pile Company. (See Hamlin, Horace E., assignor.)
- Raymond Concrete Pile Company. (See Hunt, F. H., and Ropp, assignors.)
- Raymond Concrete Pile Company. (See Schroeder, Frederick A., assignor.)
- Raymond Concrete Pile Company. (See Smith, Herman R., assignor.)
- Raymond Concrete Pile Company. (See Taussig, John W., assignor.)
- Raymond, Daniel J., Jackson, Mich. Demountable rim. 1,674,701; June 26.
- Raymond, Don A., Monticello, Ind. Fire stop or trap for motion-picture machines. 1,682,627; Aug. 28.
- Raymond, Edward F., Santa Fe Springs, Calif. Cutter blade. 1,674,838; June 26.
- Raymond, Edward F., Santa Fe Springs, assignor to Reed and William Engineering Company, Los Angeles, Calif. Core barrel. 1,671,544; May 29.
- Raymond, Fairfield E., assignor to Crosby Steam Gate & Valve Company, Boston, Mass. Safety and relief valve. 1,685,866; Oct. 2.
- Raymond, Fairfield E., assignor to Crosby Steam Gate and Valve Co., Boston, Mass. Valve. 1,696,452; Dec. 25.
- Raymond, Gwynne, assignor to Black, Sivalls & Bryson Manufacturing Company, Kansas City, Mo. Overhead steel-plate conveyor mechanism. 1,690,502; Nov. 6.
- Raymond, Lambert L., Minneapolis, Minn. Christmas-tree reflector with projections. 1,684,847; Sept. 18.
- Raymond, Lambert L., assignor to Broderick-Son-Raymond Company, Minneapolis, Minn. Marking cutter for tree lamps. 1,682,416; Aug. 28.
- Raymond, Ward, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Compressor regulator. 1,655,711; Jan. 10.
- Rayner, Charles H., St. Johns, Quebec, Canada. Composite waterproof sheet and making the same. 1,672,579; June 5.
- Raynor, John S., Philadelphia, Pa. Clip for fastening metal laths. 1,679,006; July 31.
- Raynor, Louis L., New Rochelle, assignor, by mesne assignments, to The Hygienol Co. Inc., New York, N. Y. Powder puff. 1,682,984; Sept. 4.

- Raynsford, Arthur, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,673,124; June 12.
- Raynsford, Arthur, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,690,206; Nov. 6.
- Raytheon Inc. (See Smith, Charles G., assignor.)
- Raytheon Manufacturing Company. (See Spaeth, Charles, assignor.)
- Re, Alfred, New York, N. Y. Alarm switch and door lock. 1,674,570; June 19.
- Re, William C., and B. Raso, New York, N. Y. Single-sole shoe. 1,682,417; Aug. 28.
- Rea, Augustin P., Mexico, Mexico. Jewelry. 1,664,994; Apr. 3.
- Rea, John H. B., La Fayette, Ga. Rail tie and fastening means. 1,671,654; May 29.
- Reach, A. J., Company. (See Cline, Samuel, assignor.)
- Reach, A. J., Company. (See Dieterle, Frank, assignor.)
- Reach, George A. (See Dieterle, Frank, assignor.)
- Reach, Milton B., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Tennis racket. 1,664,466; Apr. 3.
- Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf-club press. 1,661,500; Mar. 6.
- Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Holder for golf clubs. 1,678,353; July 24.
- Read, Alexander M., Columbus, Ohio. Pulverizing machine. 1,683,627; Sept. 11.
- Read, Chester L. (See Rose, C. A., and Read.)
- Read, Chester L., Rahway, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Refining crude arsenic trioxide. 1,681,496; Aug. 21.
- Read, Chester L., Rahway, and B. M. O'Harra, Westfield, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Purifying sodium stannate solution. 1,681,497; Aug. 21.
- Read, Clyde M., Hollywood, Fla. Slug for cleaning castings. 1,682,246; Aug. 28.
- Read, David Y., Washington, D. C. Footwear retainer. 1,686,175; Oct. 2.
- Read, John B. (See Coolbaugh, M. F., and Read.)
- Read, John B., and M. F. Coolbaugh, Golden, Colo. Roasting sulphide minerals. 1,694,794; Dec. 11.
- Read, Knut A., Oskaloosa, Iowa. Fire hydrant. 1,659,005; Feb. 14.
- Read Machinery Co. (See Read, Otto R., assignor.)
- Read, Otto R., assignor to Read Machinery Co., Inc., York, Pa. Mixing machine. 1,695,345; Dec. 18.
- Read, Robert E., White Plains, N. Y., assignor to International Paper Company. Paper-making machine. 1,687,847; Oct. 16.
- Read, William C., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Electrolytic rectifier. 1,684,684; Sept. 18.
- Readeker, William C., New York, N. Y. Projection cabinet for motion-picture machines. 1,671,449; May 29.
- Reading Foundry and Supply Co. (See Bush, Harry K., assignor.)
- Reading Hardware Corporation. (See Mason, George N., assignor.)
- Reading, Walter J., Easton, Pa. Direction-indicator switch for automobiles. 1,683,988; Sept. 11.
- Ready, William A. (See Waterhouse, Harold D., assignor.)
- Ready, William A., Brookline, Mass. Dial mechanism for radio apparatus. 1,656,532; Jan. 17.
- Ready, William A., Brookline, Mass. Escutcheon plate for a dial mechanism. Des. 6,957; Nov. 20.
- Reagan, George D., Oklahoma City, Okla. Mortar distributor. 1,679,007; July 31.
- Reagan, Maurice E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic hydroelectric station. 1,675,381; July 3.
- Reagan, Maurice E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,691,360; Nov. 13.
- Reagan, William J., Lynn, Mass. French cord binder. 1,695,977; Dec. 18.
- Reagel, Fred V. (See Copeland, Arch G., assignor.)
- Reagle, William H. (See Purdy, M. K., and Reagle.)
- Real, Walter, Hanover, Germany. Paper-filling device. 1,673,090; June 12.
- Realistic Hair Waving Machine Co. (See Decker, George, assignor.)
- Ream, John, Sacramento, Calif. Dredging apparatus. 1,667,219; Apr. 24.
- Reaney Limited. (See Reaney, Russell J., assignor.)
- Reaney, Russell J., Ottawa, Ontario, assignor to Reaney Limited, Ottawa, Canada. Wheel structure. 1,677,104; July 10.
- Reap, Edward A., Oilton, Okla. Can. 1,676,711; July 10.
- Reardon, Edwin M. (See Fisher, R. D., and Reardon.)
- Reardon, Frank A., Canton, Ohio. Holder for ice-cream boxes and the like. Des. 76,551; Oct. 9.
- Reardon, Norbert V., Arlington, Mass. Automatic gas shut-off valve. 1,658,099; Feb. 7.
- Reason, Walter M., assignor to E. Ballamos, Pontiac, Mich. Transmission lock. 1,657,517; Jan. 31.
- Reavell, William, Ipswich, England. Rotary compressor, exhaustor, and engine. 1,669,779; May 15.
- Reaves, William P., Greensboro, N. C. Reflecting and refracting device for stereoscopes. 1,666,145; Apr. 17.
- Reaves, William P., Greensboro, N. C. Reflecting and refracting device for stereoscopes. 1,666,146; Apr. 17.
- Reavis, Andrew B., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Divided-load thrust bearing. 1,673,021; June 12.
- Reber, James W., assignor to Woodall-Duckham (1920) Limited, London, England. Producer or shaft furnace. 1,692,572; Nov. 20.
- Reberg, Fred B., Casper, Wyo. Street-light fixture. 1,662,334; Mar. 13.
- Rebichon, M. André. (See Sicard, Séraphin, assignor.)
- Rebner, Werner. (See Neelmeier, W., and Rebner.)
- Reboul, Annie W. (See Wilson, Frank, sr., assignor.)
- Rebstock, Julius H., and W. Meyer, Centralia, Ill. Car brake. 1,682,092; Aug. 28.
- Rechlin, Arthur J., Bay City, Mich. Juice filter. 1,670,482; May 22.
- Recip-Roto Engine Company. (See Moors, George F., assignor.)
- Recker, John, Newark, N. J. Keyless lock. 1,694,795; Dec. 11.
- Record Cement-Industrie G. m. b. H. (See Teteus, Oskar, assignor.)
- Record, James G., Gardena, Calif. Variable condenser. 1,657,135; Jan. 24.
- Records, Chester E., Anderson, Ind., and R. R. Schweitzer, Wyoming, Ohio. Well strainer. 1,654,601; Jan. 3.
- Records, Elmer H., Spokane, Wash. Liquid fuel. 1,684,685; Sept. 18.
- Records, Elmer H., Spokane, Wash. Aqueous liquid fuel. 1,684,686; Sept. 18.
- Rectobar Manufacturing Company. (See Rector, Adam A., assignor.)
- Rector, Adam A., San Francisco, Calif., assignor to Rectobar Manufacturing Company, Reno, Nev. Drawbar. 1,689,454; Oct. 30.
- Rector, Jesse, and T. H. Jones, Albia, Iowa. Burial-vault seal. 1,659,472; Feb. 14.
- Rector-Tenney Company. (See Rector, Thomas M., assignor.)
- Rector-Tenney Company. (See Tenney, Dwight, assignor.)
- Rector, Thomas M., assignor to Rector-Tenney Company Inc., New York, N. Y. Preserved food product and process. 1,679,543; Aug. 7.
- Rector, Thomas M., Rutherford, N. J., assignor to Vitapack Corporation, New York, N. Y. Preserving products formed of rubber. 1,688,355; Oct. 23.
- Red Sun Products Co. (See Goldman, Sigmund L., assignor.)
- Reddelien, Gustav, and G. Matzdorf, Leipzig, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing cellulose-acetate silk. 1,673,301; June 12.
- Reddemann, Bernhard, Berlin-Lichterfelde, Germany, assignor to Pyrene-Minimax Corporation. Fire foam nozzle. 1,681,363; Aug. 21.
- Redding, Orrion B., assignor to The Valve Equipment Company, Columbus, Ohio. Valve for high-pressure and high-temperature purposes. 1,689,296; Oct. 30.
- Redfern, Alfred H. (See Russell, Robert, assignor.)
- Redfield, Casper L. (See Mathison, Frederick C., assignor.)
- Redfield, John H., assignor to F. P. Kellogg, Denver, Colo. Gun sight. 1,695,440; Dec. 18.
- Redfield-Kendrick-Odell Co. Inc. (See Drake, Norman C., assignor.)
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Lock for self-packing pistons. 1,658,941; Feb. 14.
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Multipressure regulator. 1,665,279; Apr. 10.
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Adjustable support for stationary shafts. 1,689,750; Oct. 30.
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,690,836; Nov. 6.
- Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Damper for check valves. 1,695,978; Dec. 18.
- Redheffer, Charles R., Philadelphia, Pa. Combination shaving utensil. 1,673,590; June 12.
- Redifer, Ray, Danville, Ind. Automatically-shifting leverage fulcrum. 1,672,624; June 5.
- Redin, Roy W., assignor to Union Special Machine Company, Chicago, Ill. Two-needle overedge sewing machine. 1,659,443; Feb. 14.
- Redinger, Joseph M., Johnston, R. I. Ignition device. 1,695,507; Dec. 18.
- Redlich, Victor, Vienna, Austria. Centrifugal machine. 1,663,731; Mar. 27.
- Red Lion Carton Company. (See Brown, Luther P., assignor.)
- Redman, Charles M., Evansville, Ind. Electrically-operated organ-valve control. 1,694,722; Dec. 11.
- Redman, Effie R., Chicago, Ill., assignor to Supreme Guardian Council of the Order of Job's Daughters, Omaha, Nebr. Emblem or similar article. Des. 75,983; Aug. 7.
- Redman, Frank B. (See Ellison, Forrest L., assignor.)
- Redman, Jacob A., Portland, Oreg. Advertisement holder. 1,682,093; Aug. 28.

- Redman, Lawrence V., Caldwell, N. J., and H. C. Cheetham, Chicago, Ill., assignors to Bakelite Corporation, New York, N. Y. Impregnating solution. 1,693,939; Dec. 4.
- Redmer, Frank M., assignor of forty-nine one hundredths to C. W. Hass, Norfolk, Nebr. Snowplow. 1,689,683; Oct. 30.
- Redmond, Albert G., Indianapolis, Ind., assignor to J. R. Francis, Flint, Mich. Fuel-feeding means for charge-forming devices. 1,662,128; Mar. 13.
- Redmond, Albert G., Indianapolis, Ind., assignor to J. R. Francis, Flint, Mich. Fuel-feeding means for charge-forming devices. 1,663,611; Mar. 27.
- Redmond, Albert G., Indianapolis, Ind., assignor to The Marvel Carburetor Company, Flint, Mich. Air heater for charge-forming devices. 1,666,147; Apr. 17.
- Redmond, Albert G., Indianapolis, Ind., assignor to J. R. Francis, Flint, Mich. Fuel-feeding system for motor vehicles. 1,674,124; June 19.
- Redmond, Albert G., Indianapolis, Ind., assignor to J. R. Francis, Flint, Mich. Fuel-feeding system for motor vehicles. 1,674,125; June 19.
- Redmond, Albert G., Indianapolis, Ind., assignor to Marvel Carburetor Company, Flint, Mich. Charge forming and injecting device for internal-combustion engines. 1,691,127; Nov. 13.
- Redmond, Albert G., assignor to Marvel Carburetor Company, Flint, Mich. Fuel-feeding system for motor vehicles. 1,691,128; Nov. 13.
- Redmond, Albert G., assignor to J. R. Francis, Flint, Mich. Supplying fuel to internal-combustion engines. 1,686,573; Oct. 9.
- Redmond, Albert G., Indianapolis, Ind., assignor to J. R. Francis, Flint, Mich. Fuel-feeding system. 1,686,574; Oct. 9.
- Redmond, Vincent J., New York, N. Y. Antenna. 1,661,771; Mar. 6.
- Redrup, William D., assignor to The Majestic Company, Huntington, Ind. Book end. Des. 75,648; June 26.
- Redrup, William D., assignor to The Majestic Company, Huntington, Ind. Book end. Des. 75,649; June 26.
- Reclaxion Razor Company. (See King, John L., assignor.)
- Reece, Bertram L., Salem, Oreg. Ash tray. 1,655,293; Jan. 8.
- Reece Button Hole Machine Company, The. (See Carlson, Axel F., assignor.)
- Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
- Reece Button Hole Machine Company, The. (See Reece, Franklin A., assignor.)
- Reece, Franklin A. (See Reece, John and F. A.)
- Reece, Franklin A., Brookline, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop motion for sewing machines and the like. 1,669,912; May 15.
- Reece, James R., Salisbury, N. C., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler thread-partner-operating mechanism. 1,687,464; Oct. 9.
- Reece, John, Boston, and F. A. Reece, Brookline, assignors to Reece Transmission Company, Boston, Mass. Power transmission. 1,691,610; Nov. 13.
- Reece, John, Boston, and F. A. Reece, Brookline, assignors to Reece Transmission Company, Boston, Mass. Power transmission. 1,691,611; Nov. 13.
- Reece, John, Boston, and F. A. Reece, Brookline, assignors to Reece Transmission Company, Boston, Mass. Power transmission. 1,691,612; Nov. 13.
- Reece, Joseph A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for producing sheets from glass under pressure. 1,670,167; May 15.
- Reece, Joseph A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Draw pot. 1,684,456; Sept. 18.
- Reece, Joseph A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass-drawing apparatus. 1,692,569; Nov. 20.
- Reece, Joseph A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for forming sheet glass. 1,692,702; Nov. 20.
- Reece Shoe Machinery Company. (See Oliver, John R., assignor.)
- Reece Transmission Company. (See Reece, John and F. A., assignors.)
- Reed Air Filter Company. (See Reed, W. M., and Hegan, assignors.)
- Reed, Arthur W., Boston, Mass. Vehicle sanding mechanism. 1,678,604; July 24.
- Reed, Arthur W., assignor of one-half to W. B. Tanner, Boston, Mass. Motor-vehicle surface sander. 1,684,806; Sept. 18.
- Reed & Barton. (See Schaefer, Louis, assignor.)
- Reed, C. A., Company. (See Jopson, William G., assignor.)
- Reed, Carl S., Yonkers, assignor to International Combustion Engineering Corporation, New York, N. Y. Air pre-heater. 1,683,804; Sept. 11.
- Reed, Charles E. (See Boynton, Stanley E., assignor.)
- Reed, Charles E., McHenry Township, McHenry County, Ill. Lathe. 1,660,048; Feb. 21.
- Reed, Charles E., McHenry Township, McHenry County, Ill. Lathe. 1,684,072; Sept. 11.
- Reed, Chase C., assignor to Toledo Scale Company, Toledo, Ohio. Rack-foot connection. 1,663,997; Mar. 27.
- Reed, Clarence E., Wichita, Kans. Underreamer. 1,655,108; Jan. 3.
- Reed, Clarence E., Wichita, Kans. Rotary drill bit of the flat-blade type. 1,664,528; Apr. 3.
- Reed, Clarence E., Wichita, Kans. Earth-boring drill. 1,692,793; Nov. 20.
- Reed, Dempson H., Houston, Tex. Device for unscrewing pipe in wells. 1,674,798; June 26.
- Reed, Dudley, Canton, Ohio. Float valve. 1,677,687; July 17.
- Reed, Eugene J. (See Hill, T. W., and Reed.)
- Reed, Forrest C., San Francisco, Calif. Catalytic apparatus for the synthesis of ammonia. 1,689,684; Oct. 30.
- Reed, Frank C., Nehalem, Oreg. Gasoline strainer and lint catcher. 1,690,207; Nov. 6.
- Reed, Frank W., Los Angeles, Calif. Tone arm for sound-reproducing instruments. 1,674,797; June 26.
- Reed, Fred P., and C. F. Strohm, Stockton, Calif. Cooking vessel. 1,668,087; May 1.
- Reed, Fred P., C. F. Strohm, and C. J. Dillwith, Stockton, Calif. Device for the application of electrotherapy. 1,690,551; Nov. 6.
- Reed, George E., Pine, Ariz. Can opener. 1,670,211; May 15.
- Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Driven plate for friction clutches. 1,674,225; June 19.
- Reed, Harold V., assignor to The Borg & Beck Company, Chicago, Ill. Driven plate for friction clutches. 1,674,226; June 19.
- Reed, Harry S., East Lansing, and R. D. Lamie, Lansing, Mich. Distilling shale. 1,696,730; Dec. 25.
- Reed, Harry S., East Lansing, and R. D. Lamie, Lansing, Mich. Apparatus and process for utilizing coal. 1,696,731; Dec. 25.
- Reed, James. (See Senger, J. W., Reed, and Moorhead.)
- Reed, James H., Detroit, Mich. Vehicle signal. 1,692,516; Nov. 20.
- Reed, James H., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. 1,688,056; Oct. 16.
- Reed, James H., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Thread-measuring mechanism for sewing machines. 1,688,057; Oct. 16.
- Reed, James H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cop-winding machine. 1,688,058; Oct. 16.
- Reed, Jesse O., Paxinos, Pa., assignor to The Government and the People of the United States of America. Steam turpentine still. 1,667,168; Apr. 24.
- Reed, John E., Brea, Calif. Well-drilling apparatus. 1,670,124; May 15.
- Reed, Joseph S., Houston, Tex. Cleaning device. 1,695,023; Dec. 11.
- Reed, Leon H. (See Jandus, H. S., and Reed.)
- Reed Manufacturing Company. (See Merrifield, John D., assignor.)
- Reed Manufacturing Company. (See Petersen, Thorvald, assignor.)
- Reed Manufacturing Company. (See Stoeltzlen, Leo V., assignor.)
- Reed, Martin L., and H. E. Bulla, Wilson, Okla. Paraffin cutter. 1,677,050; July 10.
- Reed, Percival K., Llanerch, assignor to Atlas Conveyor Company, Philadelphia, Pa. Sheave support. 1,687,892; Oct. 16.
- Reed Propeller Co., The. (See Reed, Sylvanus A., assignor.)
- Reed, Robert F., Norwood, Ohio, and W. Scholl, Washington, D. C., assignors to The Lithographic Technical Foundation, Inc., New York, N. Y. Dampening system for planographic presses. 1,677,655; July 17.
- Reed Roller Bit Company. (See Bull, Clinton H. M., assignor.)
- Reed Roller Bit Company. (See Childs, W. L., Behnke and Duda, assignors.)
- Reed Roller Bit Company. (See Duda, Oswald, assignor.)
- Reed Roller Bit Company. (See Humason, G. A., and Childs, assignors.)
- Reed, Sylvanus A. (See Hathorn, C. E., and Reed.)
- Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Aeronautical propeller. 1,672,341; June 5.
- Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Aeronautical propeller. 1,687,636; Oct. 16.
- Reed, William E., Pittsburgh, Pa. Electric welding machine. 1,694,081; Dec. 4.
- Reed, William M., and C. P. Hegan, assignors to Reed Air Filter Company, Louisville, Ky. Air filter. 1,693,585; Nov. 27.
- Reed and Williams Engineer Company. (See Raymond, Edward F., assignor.)
- Reeder, William G., Millsap, Tex. Change-sign apparatus. 1,671,126; May 29.
- Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Gas stove. Des. 74,897; Apr. 10.
- Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Combination cooking and heating stove. 1,654,665; Jan. 3.
- Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Combined cooking and heating stove. 1,657,136; Jan. 24.

- Reedy, John H., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Packing box. 1,656,679; Jan. 17.
- Reefer, Eugene J., assignor to Reefer's No-Moth, Inc., Philadelphia, Pa. Deodorizing device. 1,661,547; Mar. 6.
- Reefer's No-Moth, Inc. (See Reefer, Eugene J., assignor.)
- Reek, Earl, Oakland, Calif. Child's vehicle. Des. 74,803; Mar. 27.
- Reek, Earl, Oakland, Calif. Toy. Des. 75,871; July 24.
- Reek, Earl, Oakland, Calif. Toy. 1,661,959; Mar. 6.
- Reel Novelty Mfg. Co., The. (See Blessman, Charles, jr., assignor.)
- Reemer, Frederic O., Chicago, Ill. Journal box. 1,692,570; Nov. 20.
- Rees, Alphy, assignor of one-third to E. A. Webb, Coalings, Calif. Aircraft. 1,677,688; July 17.
- Rees, James M., Manhattan, Kans. Draft hitch. 1,655,564; Jan. 10.
- Reese, Andrew, Massillon, Ohio. Workbasket. 1,674,343; June 19.
- Reese, Berthold J., New York, N. Y. Supplemental leaf-attaching device for books. 1,665,641; Apr. 10.
- Reese, Frank, assignor to Reese Metal Weather Strip Co., Minneapolis, Minn. Weather strip. 1,664,264; Mar. 27.
- Reese, Frank, assignor to Reese Metal Weather Strip Co., Minneapolis, Minn. Weather strip. 1,664,322; Mar. 27.
- Reese, Heath C., Chicago, Ill. Smoking pipe. 1,666,914; Apr. 24.
- Reese, Henry A., Glendale, assignor of one-half to E. S. Webster, Long Island City, N. Y. Smokeless receptacle. 1,695,346; Dec. 18.
- Reese, Henry C., Mount Prospect, Ill. Power regulator. 1,668,467; May 1.
- Reese Metal Weather Strip Co. (See Reese, Frank, assignor.)
- Reese, Samuel S., Brooklyn, N. Y. Loose-leaf container. 1,695,441; Dec. 18.
- Reese, Thomas L. (See Atwood, E. H., Wanner, and Reese.)
- Reese, William, assignor to Elder & Jenks, Philadelphia, Pa. Brush. 1,695,124; Dec. 11.
- Reeve, Austin B., Chicago, Ill. Cleaning and polishing composition. 1,675,227; June 26.
- Reeve, John H., Portland, Oreg. Liquid-fuel burner. 1,687,386; Oct. 9.
- Reeves, Alfred N., New London, Conn., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Picker-stick check for looms. 1,658,497; Feb. 7.
- Reeves, Charles A., St. Louis, Mo. Mechanical movement. 1,672,170; June 5.
- Reeves, Dache M., Lee Hall, Va. Precision altimeter. 1,666,179; Apr. 17.
- Reeves, Dache M., Belleville, Ill. Aerial photograph interpreter. 1,693,527; Nov. 27.
- Reeves, Ernest E., Ridgeway, S. C. Circumcision clamp. 1,679,497; Aug. 7.
- Reeves, James A. (See Drees, A. J., Rock, and Reeves.)
- Reeves Manufacturing Company, The. (See Karntz, Joseph A., assignor.)
- Reeves Manufacturing Company, The. (See Wendle, V. P., and Hunker, assignors.)
- Reeves, Milton O., assignor to Reeves-Pulley Company, Columbus, Ind. Side-face drive chain. 1,673,950; June 19.
- Reeves, Milton O., deceased, Columbus, Ind.; P. B. Reeves, administrator de bonis non, assignor to Reeves Pulley Company, Columbus, Ind. Driving belt. 1,691,871; Nov. 13.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing-scale casing. Des. 75,286; May 22.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Scale frame. Des. 76,152; Aug. 21.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Packing case. 1,675,957; July 3.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Bench machine. 1,689,685; Oct. 30.
- Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Indicator. 1,689,686; Oct. 30.
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Belt splice. 1,656,016; Jan. 10.
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Belt fastener. 1,671,048; May 22.
- Reeves, Paul B., administrator de bonis non. (See Reeves, Milton O.)
- Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Transmission belt. 1,691,892; Nov. 13.
- Reeves, Percy, Chicago, Ill. Container. 1,690,178; Nov. 6.
- Reeves Pulley Company. (See Clay, Harry C., assignor.)
- Reeves-Pulley Company. (See Reeves, Milton O., assignor.)
- Reeves Pulley Company. (See Reeves, Paul B., assignor.)
- Reeves, Robert W., Newport, R. I. Electric-lamp guard. 1,695,468; Dec. 18.
- Reeves, Samuel V., Haddonfield, N. J. Stove. 1,664,045; Mar. 27.
- Reeves, William A. (See Tucker, O. M., and Reeves.)
- Refiners Limited. (See Cox, K., and McDermott, assignors.)
- Regal Shoe Company. (See Bliss, Elmer J., assignor.)
- Regali, Bruno, et al. (See Schugerl, Louis, assignor.)
- Regali, John, et al. (See Schugerl, Louis, assignor.)
- Regan, Charles F. (See Porter, Herbert F., assignor.)
- Regan, Eugene A., Oakland, Calif. Hinge structure. 1,660,657; Feb. 28.
- Regan Forge and Engineering Company. (See Beer, Joseph P., assignor.)
- Regan Forge & Engineering Company. (See Minor, Burt S., assignor.)
- Regan Forge & Engineering Company. (See Palmer, William L., assignor.)
- Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrically-operated warp stop motion. 1,692,952; Nov. 27.
- Regan, John, New Bedford, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping mechanism for knitting machines. 1,695,387; Dec. 18.
- Regan, John, Vancouver, British Columbia, Canada. Hot-air heating furnace. 1,668,125; May 1.
- Regan, John E., assignor to The Lamson Company, Syracuse, N. Y. Conveyor system. 1,655,476; Jan. 10.
- Regan Safety Devices Company, The. (See Bodde, Theodore, assignor.)
- Regan Safety Devices Company, Inc., The. (See Harwig, Carl G., assignor.)
- Regan Safety Devices Company, The. (See Lyon, Claude A., assignor.)
- Regan Safety Devices Company, The. (See Rosenzweig, Fred M., assignor.)
- Regan Safety Devices Company, The. (See Shaver, Archibald G.)
- Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
- Regan, William J., Wilkensburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupler-release rigging. 1,678,786; July 31.
- Regan, William J., and E. George, jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Draft appliance for railway cars. 1,690,650; Nov. 6.
- Regan, William J., Wilkensburg, and W. Kelso, assignors to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,695,024; Dec. 11.
- Regan, William J., and W. Kelso, assignors to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,695,026; Dec. 11.
- Regard, Georges L., Geneva, Switzerland. Motorcycle. 1,662,718; Mar. 13.
- Regelsberger, Hermann, Erlangen, Germany. Apparatus for analyzing the alveolar air from the lungs. 1,685,557; Sept. 25.
- Regenerative Coal Gasification System. (See Travers, M. W., and Clark, assignors.)
- Regenstein, Joseph, Chicago, Ill. Foundation board. 1,656,647; Jan. 17.
- Regents of the University of California. (See Lipman, C. B., and Gordon, assignors.)
- Regents of the University of California, The. (See Simon-ton, Frank V., assignor.)
- Regina Corporation, The. (See Desnoyers, Willis L., assignor.)
- Regnault, René, Lille, France, assignor to General Electric Company. Control system for motor-driven spinning frames. 1,658,652; Feb. 7.
- Reh, Rudolph H., Fresno, Calif. Trap top for jars. 1,674,227; June 19.
- Rehder, Philip L., Bay View, Idaho. Fisherman's hat. 1,678,198; July 24.
- Rehfeld, Fred O., Newark, N. J. Emblem and manufacturing therefor. 1,654,702; Jan. 3.
- Rehfuss, Martin O., Philadelphia, assignor to United States Chain and Forging Company, Pittsburgh, Pa. Chain. 1,683,486; Sept. 4.
- Rehlé, Ignaz, Frankfurt-on-the-Main, Germany. Insertable arch support. 1,690,837; Nov. 6.
- Reiber, Edwin H., West Webster, N. Y. Surfacing machine. 1,676,111; July 3.
- Reich, Ernest, Chicago, Ill. Display booth. Des. 76,153; Aug. 21.
- Reich, Frederick, Elizabeth, N. J. Toothbrush holder. 1,690,311; Nov. 6.
- Reich, Frederick, Elizabeth, N. J. Compensating means for valve-operating connections. 1,696,361; Dec. 25.
- Reich, Otto F., assignor of one-third to C. F. Church and one-third to W. T. Church, Chicago, Ill. Golf tee. Des. 75,984; Aug. 7.
- Reichard, Russell L., Allentown, Pa. Advertising device. 1,665,894; Apr. 10.
- Reichard, Vern E., Stinnett, Tex. Pumping apparatus. 1,681,596; Aug. 21.
- Reichard, Wade H., Troy, N. Y., assignor, by mesne assignments, to General Railway Signal Company. Electrical control device. 1,664,088; Mar. 27.
- Reichert, James H., Muncie, Ind. Casing for corn-popping machine. Des. 76,418; Sept. 25.
- Reichel, Alvin S., Matamoros, Pa., assignor to Hayes Mfg. Co., Inc., Port Jervis, N. Y. Motor shears. Re17,075; Sept. 4.
- Reichel, Jacob, New York, N. Y. Trousers. 1,692,312; Nov. 20.
- Reichel, John, Philadelphia, Pa. Product killed-hog-cholera virus and producing it. 1,661,233; Mar. 6.
- Reichelt, Bruno, Nutley, N. J. Airplane. 1,683,805; Sept. 11.
- Reichenbecher, Georg. (See Grossweischede, J., and Reichenbecher.)

- Reichhelm, George L., assignor to The Gasifier Company, Elizabeth, N. J. Flow-control means. 1,672,500; June 5.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Spring socket terminal. 1,662,335; Mar. 13.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Temperature-indicating device for waffle irons. 1,662,621; Mar. 13.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Electric iron. 1,673,708; June 12.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Non-warping hot plate. 1,677,005; July 10.
- Reichold, Ludwig, Winsted, assignor to The Fitzgerald Mfg. Company, Torrington, Conn. Electric heating vessel. 1,658,280; Oct. 16.
- Reichstein, Thadeus. (See Staudinger, H., and Reichstein.)
- Reid, Allan E., Boston, Mass. Universal joint for pistons. 1,663,612; Mar. 27.
- Reid, Andrew S. (See Reid, Robert, and A. S.)
- Reid, Andrew S. (See Reid, Robert and A. S., and Leonard.)
- Reid, Charles T., et al., administrators. (See Reid, James.)
- Reid, David H., et al. (See Rave, Elmer M., assignor.)
- Reid, Ebenezer E. (See Dunning, F., and Reid.)
- Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxidation of hydrocarbon oils. 1,663,523; Mar. 20.
- Reid, Ebenezer E., Baltimore, Md., and C. E. Burke, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of acids. 1,663,524; Mar. 20.
- Reid, Emma F., et al., administrators. (See Reid, James.)
- Reid, Ernest W. (See Curme, G. O., jr., and Reid.)
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer lock. 1,619,942; Apr. 24.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Truck platform. 1,662,833; Mar. 20.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Vehicle for transporting heavy loads. 1,673,846; June 19.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Vehicle spring suspension. 1,681,433; Aug. 21.
- Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Heavy-duty vehicle. 1,690,247; Nov. 6.
- Reid, George C., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,682,247; Aug. 28.
- Reid, George C., Cranford, N. J., assignor to American Can Company, New York, N. Y. Shoe-polish box. 1,691,304; Nov. 13.
- Reid, Hugh S., Shawinigan Falls, Quebec, assignor to Canadian Electro Products Company, Limited, Montreal, Canada. Composition of matter for use as fuel. 1,680,392; Aug. 14.
- Reid, Hugh S., and W. C. Hovey, Shawinigan Falls, assignors to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Manufacturing acetaldehyde. 1,687,228; Oct. 9.
- Reid, James, Mount Vernon, N. Y., assignor to The Scutan Company. Proofed paper. 1,667,691; Apr. 24.
- Reid, James, deceased, Syracuse, N. Y., E. F. Reid and C. T. Reid, administrators. Apparatus for machining radiators and the like. 1,696,453; Dec. 25.
- Reid, James, and G. R. Welch, assignors to Pierce, Butler & Pierce Manufacturing Corporation, Syracuse, N. Y. Valve cock. 1,682,248; Aug. 28.
- Reid, James C., Lincoln, Nebr. Buffet table. 1,694,283; Dec. 4.
- Reid, James D. (See Davis, H. F., and Reid.)
- Reid, James D. (See McGee, E. I., and Reid.)
- Reid, James E., Moorestown, N. J. Air compressor for dental and other purposes. 1,696,013; Dec. 18.
- Reid, James S., Cleveland, Ohio. Internal-combustion engine. 1,667,049; Apr. 24.
- Reid, James S., Cleveland, Ohio. Pulley structure. 1,676,460; July 10.
- Reid, James S., assignor to The Easy-On Cap Company, Cleveland, Ohio. Hub cap. 1,657,588; Jan. 31.
- Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Closure. 1,682,094; Aug. 28.
- Reid, James S., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Bracing means for tubular filler members. 1,682,349; Aug. 28.
- Reid, John, assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Gear power. 1,686,925; Oct. 9.
- Reid, John, assignor to Joseph Reid Gas Engine Company, Oil City, Pa. Lubricating device. 1,689,560; Oct. 30.
- Reid, John D. (See Winstead, M. A., Reid, and Moody.)
- Reid, Joseph, Gas Engine Company. (See Reid, John, assignor.)
- Reid, Josiah E. (See McCall, G., and Reid.)
- Reid, Marcellus, Cleveland, Ohio. Universal drafting table. 1,676,746; July 10.
- Reid, Matthew, Vancouver, British Columbia, Canada. Tube-testing machine. 1,695,979; Dec. 18.
- Reid, Raymond A., Cedar Rapids, Iowa. Grinder and polisher. 1,655,565; Jan. 10.
- Reid, Reginald N., Edinburgh, Scotland. Calendar clock. 1,677,872; July 17.
- Reid, Robert and A. S., Beverly, Mass. Cutting machine. 1,682,418; Aug. 28.
- Reid, Robert and A. S., Beverly, and F. H. Leonard, Salem, assignors, by mesne assignments, to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass. Coin assorting and packaging machine. 1,673,709; June 12.
- Reid, Robert A., David City, Nebr. Bottle or similar article of manufacture. Des. 76,354; Sept. 18.
- Reid, Robert G. (See Ricks, F., and Reid.)
- Reid, Thomas A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature indicator and controller. 1,673,591; June 12.
- Reid, Willard. (See Shepherd, Charles B., assignor.)
- Reid, William L., Lima, Ohio. Locomotive fire box. 1,663,216; Mar. 20.
- Reif-Engineering Co. (See Stevens, P. Wilmer, assignor.)
- Reif, Allen F. and C. A., Buffalo, N. Y. Hydrocarbon heating apparatus. 1,673,203; June 12.
- Reif, Charles A. (See Reif, Allen F. and C. A.)
- Reif, Charles A., Buffalo, N. Y. Trip mechanism for oil burners. 1,668,605; May 8.
- Reif, Otto M., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Method of and apparatus for removing articles from molds. 1,655,878; Jan. 10.
- Reiff & Nestor Company. (See Nestor, Joseph P., assignor.)
- Reifsnider, John M., Adrian, Mich., assignor to American Chain Company, Inc. Automobile bumper. 1,695,294; Dec. 18.
- Reifsnyder, James D., Flushing, assignor to Tulip Container Corporation, College Point, N. Y. Container closure. 1,690,701; Nov. 6.
- Reihlen, Hans, Karlsruhe, Baden, Germany, assignor to M. M. Adler, Newark, N. J. Detonating firework. 1,693,818; Dec. 4.
- Reilly, Alfred F., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Salt or pepper shaker. Des. 76,889; Nov. 13.
- Reilly, Alfred F., Attleboro, Mass. Combined cigarette lighter and cigarette container. Des. 74,989; Apr. 24.
- Reilly, Alfred F., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Casing for pocket lighters. Des. 75,134; May 8.
- Reilly, Alfred F., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Compact. 1,669,489; May 15.
- Reilly, Clarence J., assignor of one-third to E. B. Norman and one-third to E. S. Butler, New Orleans, La. Nipple for nursing bottles. 1,672,734; June 5.
- Reilly, Frank C., New York, N. Y. Brake system. 1,684,743; Sept. 18.
- Reilly, Helen, administratrix. (See Reilly, William J.)
- Reilly, William. (See Bolgiano, J., and Reilly.)
- Reilly, William J., deceased, Brooklyn; H. Reilly, administratrix, New York, N. Y. Mating. 1,663,139; Mar. 20.
- Reimann, Carl, Newark, N. J. Hairpin. 1,669,535; May 15.
- Reimer, Fred C., Co. Inc. (See Schmidt, Ferdinand, assignor.)
- Reimer, Jorgen A., Elk Horn, Iowa, assignor of one-half to H. C. Hansen. Draft evener for harrows. 1,672,038; June 5.
- Rein, Arthur. (See Stoecker, J., and Rein.)
- Rein, Mark, Brooklyn, N. Y. Spinach cleaner. 1,659,473; Feb. 14.
- Rein, William R., Chicago, Ill. Floor plate and hanger. 1,692,571; Nov. 20.
- Reinartz, Leo P., and J. H. Nead, assignors to The American Rolling Mill Company, Middletown, Ohio. Making commercially pure iron alloys. 1,665,146; Apr. 3.
- Reinhold, Robert, St. Paul, Minn. Soldering device. 1,677,248; July 17.
- Reindel, Ira H., Detroit, Mich., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,670,379; May 22.
- Reinecke, John P., assignor to The Hoffman Heater Company, Lorain, Ohio. Burner. 1,691,169; Nov. 13.
- Reinecke, Charles, assignor to The Reinecke Motor Corporation, New York, N. Y. Engine-cylinder structure. 1,657,843; Jan. 31.
- Reinecke Motor Corporation, The. (See Reinecke, Charles, assignor.)
- Reinemer, Conrad. (See Waterman, Irvin R., assignor.)
- Reiner, Harry M., Bronx, N. Y. Toy roundabout. 1,681,310; Aug. 21.
- Reiner, Leo A., Detroit, Mich. Radiator-cap-locking device. 1,684,412; Sept. 18.
- Reinforced Paper Bottle Corporation. (See Bodor, Andrew, assignor.)
- Reinforced Paper Bottle Corporation. (See Koch, Lydia B., assignor.)
- Reinhard, Norman A., Rochester, N. Y. Convertible automobile table and cabinet. 1,682,145; Aug. 28.
- Reinhardt, Arthur. (See Schlering, H., and Reinhardt.)
- Reinhardt, Franz C., Paterson, N. J. Shuttle. 1,675,516; July 3.
- Reinhardt, James H., East Orange, N. J. Numbering machine. 1,672,392; June 5.
- Reinhardt, Louis, Manitowoc, Wis. Clamp. 1,659,302; Feb. 14.

- Reinhardt, Otto K., Jamaica, assignor, by mesne assignments, to Yale Electric Corporation, New York, N. Y. Battery-making machine. 1,675,382; July 3.
- Reinhardt, Wilhelm, Melsungen, Germany. Combined gaiter and boot protector. 1,663,613; Mar. 27.
- Reinhardt, Willard L., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery plate and permanizing the same. 1,866,399; Oct. 23.
- Reinheimer, Arthur F., Detroit, Mich. Game. 1,663,385; Mar. 20.
- Reinhold, Thomas, Haarlem, Netherlands. Stratigraphic measuring instrument. 1,658,537; Feb. 7.
- Reinhold, William F., Buffalo, N. Y. Clip for temporarily supporting structural members. 1,662,438; Mar. 13.
- Reinhold, William J., assignor to Pacific Manufacturing Company, San Francisco, Calif. Sectional partition. 1,694,690; Dec. 11.
- Reinicke, Otto K., and C. R. Leeman, jr., Detroit, Mich. Combined doorcheck and door bumper. 1,693,158; Nov. 27.
- Reininger, Gustave M., Bellevue, Ky. Sign. 1,659,835; Feb. 21.
- Reinitz, Maurice. (See Kilby, C. B., Reinitz, and Clisson.)
- Reinsberg, Adolph, Chicago, Ill., and H. Rosenzweig, Toledo, Ohio. Emergency-wheel attachment. 1,667,820; May 1.
- Reinsperg, Rudolph T., Louisville, Ky. Coat sacker. 1,657,179; Jan. 24.
- Reintjes, George P., Kansas City, Mo. Tile lining for cylindrical kilns. 1,655,566; Jan. 10.
- Reintjes, George P., Kansas City, Mo. Furnace-wall construction. 1,663,280; Mar. 20.
- Reinwald, Paul, San Francisco, Calif. Water shoe. 1,693,867; Dec. 4.
- Reiriden, Raymond H., Sound Beach, Conn. Portable in and out door putting green. 1,679,374; Aug. 7.
- Reis, Curt F., Chicago, Ill., assignor to Western Ignition Company, Magneto. 1,658,858; Feb. 14.
- Reis, Louis C., Duluth, Minn. Billet-surfacing machine. 1,669,264; May 8.
- Reis, Louis C., Duluth, Minn. Sign-fastening device. 1,672,171; June 5.
- Reisbach, Gustave B., San Diego, Calif., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. 1,691,252; Nov. 13.
- Reischl, Ludwig, assignor to Doll & Co. Aktiengesellschaft, Nuremberg, Germany. Rail-joint connection for toy railways. 1,678,079; July 24.
- Reiser, John, Rochelle Park, N. J. Reed structure. 1,660,358; Feb. 28.
- Reiser, John A., Port Jervis, N. Y. Measuring cap for bottles. 1,677,567; July 17.
- Reiss, Elias, & Company. (See Kirchhoff, Ernest, assignor.)
- Reiss, Elias, and Company. (See Mack, Joseph, assignor.)
- Reissmann, Fred. (See Bellile, G. L., and Reissmann.)
- Reist, Henry G. (See Pohl, R., and Reist.)
- Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Rotor. 1,687,512; Oct. 16.
- Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Rotor. 1,687,513; Oct. 16.
- Reist, Henry G., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric-machine rotor. 1,689,499; Oct. 30.
- Reisz, Charles T., assignor to The Western Union Telegraph Company, Chicago, Ill. Portable testing set for measuring line induction. 1,673,422; June 12.
- Reiter Company. (See McGill, Chester T., assignor.)
- Reiter, Daniel L., New York, N. Y. Fastening device. 1,661,911; Mar. 6.
- Reiter, Daniel L., New York, N. Y. Fastening device. 1,662,434; Mar. 20.
- Reiter, Franz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric and Manufacturing Company. Insulator. 1,695,853; Dec. 18.
- Reiter, Lues, and A. B. Colby, assignors to Rau Fastener Co., Providence, R. I. Snap fastener. 1,692,701; Nov. 20.
- Reitstötter, Josef. (See Dieterle, W., Matthies, and Reitstötter.)
- Reitz, Albert F., Kansas City, Mo. Combination dilator and applicator appliance. 1,665,564; Apr. 10.
- Reitz, Charles J. (See Rote, Morgan M., assignor.)
- Relay Motor Products Corporation. (See Domizi, David F., assignor.)
- Relay Motor Products Corporation. (See Kincaid, Frank M., assignor.)
- Reliable Automatic Sprinkler Co., Inc., The. (See Evans, J. E., and Griffiths, assignors.)
- Reliable Electric Co. (See Cook, Wallace L., assignor.)
- Reliable Machine Company, The. (See Martindale, Charles A., assignor.)
- Reliance Company, The. (See Wilms, Gustav O., assignor.)
- Reliance Die & Stamping Company. (See Johnson, Frank O., assignor.)
- Reliance Die & Stamping Company. (See Lindberg, John F., assignor.)
- Reliance Electric & Engineering Co., The. (See Corey, James W., assignor.)
- Reliance Fireproof Door Co. (See Zenker, Oscar E., assignor.)
- Reliance Manufacturing Company. (See Tomich, Hugo G., assignor.)
- Reller, Edwin L. (See Watters, L. A., and Reller.)
- Reller, Edwin L., and V. R. A. Stroh, St. Louis, Mo., assignors, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Account-finding machine. 1,673,710; June 12.
- Reller, Edwin L., and V. R. A. Stroh, St. Louis, Mo., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Account-finding machine. 1,679,008; July 31.
- Reliiben, Ralph M., assignor to Marshall Field & Company, Chicago, Ill. Textile fabric or similar article. Des. 74,390; Feb. 7.
- Remaley, David U., Detroit, Mich. Vacuum cleaner. 1,666,915; Apr. 24.
- Remark, Isidore J., assignor to The General Tire & Rubber Company, Akron, Ohio. Vehicle tire. Des. 76,419; Sept. 25.
- Remark, Isidore J., assignor to The General Tire & Rubber Company, Akron, Ohio. Die head. 1,663,732; Mar. 27.
- Romde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,661,386; Mar. 6.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,661,387; Mar. 6.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,661,626; Mar. 6.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,661,851; Mar. 6.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,661,852; Mar. 6.
- Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 1,663,140; Mar. 20.
- Remensnyder, Orrin, Saginaw, Mich. Dental massage device. 1,691,755; Nov. 13.
- Remick, Walter L., Philadelphia, Pa. Leaching apparatus. 1,678,787; July 31.
- Remick, Walter L., New York, N. Y. Process of and apparatus for the treatment of solid-bearing liquids. 1,678,788; July 31.
- Remick, Walter L., Philadelphia, Pa. Apparatus for the treatment of solid-bearing solutions. 1,696,014; Dec. 18.
- Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
- Remington Arms Company. (See Barger, Ralph, assignor.)
- Remington Arms Company. (See Brennan, J. E., and Loomis, assignors.)
- Remington Arms Company. (See Dickerman, John A., assignor.)
- Remington Arms Company. (See Leckie, H. V., and North, assignors.)
- Remington Arms Company. (See Loomis, Crawford C., assignor.)
- Remington Arms Company. (See Marshall, Norman, assignor.)
- Remington Arms Company. (See Tillmanns, Carl W., assignor.)
- Remington, Arthur L., assignor to Warp Compressing machine Company, Worcester, Mass. Thread-tensioning device. 1,662,209; Mar. 13.
- Remington Automotive Corporation. (See Mandolini, Caesar A., assignor.)
- Remington, Joseph P., assignor to Remington Manufacturing Company, Philadelphia, Pa. Liquid-fuel-feed system. 1,687,793; Oct. 16.
- Remington Manufacturing Company. (See Remington, Joseph P., assignor.)
- Remington Rand Inc. (See Anderson, Axel H., assignor.)
- Remington Rand Inc. (See Carlson, Edward, assignor.)
- Remington Rand Inc. (See Day, William H., assignor.)
- Remington Rand Inc. (See Gale, Laburton A., assignor.)
- Remington Rand Inc. (See Heberling, John, assignor.)
- Remington Rand, Inc. (See Hutchings, Le Roi E., assignor.)
- Remington Rand Inc. (See Lasker, William W., assignor.)
- Remington Rand Inc. (See Lasker, W. W., and Mezger, assignors.)
- Remington Rand Inc. (See Lasker, W. W., and Mueller, assignors.)
- Remington Rand Inc. (See Lebeis, Martin, assignor.)
- Remington Rand Inc. (See Powers, James, assignor.)
- Remington Rand Inc. (See Rand, James H., assignor.)
- Remington Rand Inc. (See Rand, James H., jr., assignor.)
- Remington Rand Inc. (See Reller, E. L., and Stroh, assignors.)
- Remington Rand Inc. (See Watters, L. A., and Reller, assignors.)
- Remington Rand Inc. (See Weiland, A., Russell, and Mezger, assignors.)
- Remington Rand Inc. (See Wigginton, George P., assignor.)
- Remington Rand Inc. (See Wolters, Carl F., assignor.)
- Remington Typewriter Company. (See Barney, Edwin E., assignor.)
- Remington Typewriter Company. (See Feibel, Jacob, assignor.)
- Remington Typewriter Company. (See Going, George G., assignor.)

- Remington Typewriter Company. (See Hart, Frederick A., assignor.)
- Remington Typewriter Company. (See Jones, Robert M., assignor.)
- Remington Typewriter Company. (See Pool, Morris W., assignor.)
- Remington Typewriter Company. (See Seib, George A., assignor.)
- Remington Typewriter Company. (See Walsoe, Sigurd L., assignor.)
- Remley, Ernest, East Orange, N. J., assignor to Hygienic Fibre Company, Incorporated, Versailles, Conn. Eye-dressing packet. 1,680,804; Aug. 14.
- Remley, Ernest, East Orange, N. J., assignor to Hygienic Fibre Company, Incorporated. First-aid kit. 1,683,487; Sept. 4.
- Remmers, Harry C., assignor to H. Goodman, Baltimore, Md. Portable traction device. 1,683,411; Sept. 4.
- Remmes, Mathias M. (See Wiggins, J. D., and Remmes.)
- Remo Manufacturing Company. (See Perkins, Howard M., assignor.)
- Remondino, Charles H. E. (See McBride, A. C., and Renworth, assignors.)
- Rémond, Léon E., Paris, France. Percussion fuse. 1,666,792; Apr. 17.
- Remter, Arthur F., Artois, Calif. Signaling device for automobiles. 1,687,050; Apr. 24.
- Remy, Auguste, J. Renaux, J. Delort, and F. Debrelant, Bezu St. Eloi, France. Sound-recording and sound-reproducing machine. 1,695,025; Dec. 11.
- Remy, Benjamin P., Indianapolis, Ind. Electric generator. 1,690,248; Nov. 6.
- Renari, Louis, Santa Rosa, Calif. Combination rim tool and jack. 1,668,977; May 8.
- Renaud, Collis P., Tulare, Calif. Scraper-control mechanism. 1,672,541; June 5.
- Renaud, Edwin C., St. Joseph, Mo. Vehicle. 1,658,302; Feb. 7.
- Renaud, Edwin C., St. Joseph, Mo. Combined telephone dial and advertisement illuminator. 1,669,628; May 15.
- Renaud et Cie. of America. (See Davis, John H., assignor.)
- Renault, Louis. (See Saives, Léon, assignor.)
- Renault, Anita M., Chicago, Ill. Face mask. 1,678,649; July 31.
- Renault, Louis. (See Saives, Léon, assignor.)
- Renaux, Eugène P., Paris, France, assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,660,136; Feb. 21.
- Renaux, Jean. (See Remy, A., Renaux, Delort, and Debrelant.)
- Rendle, Thomas, Ottawa, Ill. Shoe-repairing stand. 1,686,467; Oct. 2.
- Rendleman, John H., et al. (See Voss, George C., assignor.)
- Rendleman, Norman C., Dortmund, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Manipulator cable for rolling mills. 1,665,606; Apr. 10.
- Rendleman, Norman C., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Running rail. 1,692,905; Nov. 27.
- Renetzky, Frank X., Kansas City, Mo. Top and spinner therefor. 1,677,368; July 17.
- Renfro, Henry H., Rocky Mount, N. C. Rail-fastening device. 1,681,049; Aug. 14.
- Rengler, Lynn H., Long Beach, Calif. Drive unit for tandem aircraft engines. 1,689,751; Oct. 30.
- Renie, Jack J., Los Angeles, Calif. Aeroplane toy. Des. 75,697; July 3.
- Reniers, James H., Ben Avon, Pa., assignor, by mesne assignments, to Pittsburgh Screw and Bolt Corporation. Electric heating means. 1,657,643; Jan. 31.
- Renle, Gotthilf J., Lehi, N. Dak. Strain equalizer. 1,684,687; Sept. 18.
- Renneburg, Edw., & Sons Co. (See Renneburg, Frederick P., assignor.)
- Renneburg, Frederick P., assignor to Edw. Renneburg & Sons Co., Baltimore, Md. Combination cooker drier. 1,690,753; Nov. 6.
- Renner, Herbert, Philadelphia, Pa., assignor, by mesne assignments, to Chemicolor Wood Preserving Co. Impregnation of wood and the like. 1,683,488; Sept. 4.
- Renner, Herbert and J., Chicago, Ill. Composition for tree treatment. 1,661,577; Mar. 6.
- Renner, Johannes. (See Renner, Herbert and J.)
- Renner, Michael, Scotia, N. Y., assignor to General Electric Company. Vacuum tube. 1,658,653; Feb. 7.
- Rennerfelt, Ivar, Djursholm, Sweden. Electric furnace. 1,664,132; Mar. 27.
- Rennie, William F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for applying strip material to annular articles. 1,661,090; Feb. 28.
- Renshaw, Arnold. (See Dyson, G. M., Mason, and Renshaw.)
- Rensing, Theodore, Kansas City, Mo. Swimming device. 1,695,125; Dec. 11.
- Renstrom, John A., San Francisco, Calif. Seat or platform for outside window cleaning. 1,658,942; Feb. 14.
- Renta, Philip A., New York, N. Y. Electric car-control apparatus. 1,678,533; July 24.
- Rentos, Constantinos G., Brooklyn, N. Y. Picture frame. 1,694,755; Dec. 11.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron device and method of activation. 1,670,483; May 22.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Vacuum device and exhausting same. 1,689,297; Oct. 30.
- Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron-discharge device with oxide-coated filament. 1,691,446; Nov. 13.
- Rentschler, Harvey C., and J. W. Marden, East Orange, N. J., assignors to Westinghouse Lamp Company. High-frequency furnace. 1,676,926; July 10.
- Rentz, Frank, Yankton, S. Dak. Golf game apparatus. 1,694,691; Dec. 11.
- Renwick, Frank F., Parlin, N. J., assignor, by mesne assignments, to Du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Photographic film. 1,680,635; Aug. 14.
- Renwick, Frank F., Parlin, N. J., assignor, by mesne assignments, to Du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Photographic film. 1,680,636; Aug. 14.
- Renworth, Frederick W. (See McBride, A. C., and Renworth.)
- Renz, Frederick, Brooklyn, N. Y. Blank-book-making machine. 1,676,112; July 3.
- Renz, Frederick, Brooklyn, N. Y. Cutting mechanism. 1,678,080; July 24.
- Renz, Friedrich. (See Schrayssshuen, C., and Renz.)
- Reo Motor Car Company. (See Cotes, William A., assignor.)
- Reo Motor Car Company. (See Furgason, Claude E., assignor.)
- Reo Motor Car Company. See Hildorf, Walter G., assignor.)
- Reo Motor Car Company. (See Thomas, Horace T., assignor.)
- Reo Motor Car Company. (See Wells, Walter W., assignor.)
- Repay, Theodore, assignor to F. Spangenberg, Los Angeles, Calif. Connector. 1,655,662; Jan. 10.
- Repay, Theodore, assignor to F. Spangenberg, Los Angeles, Calif. Separable fastener. 1,678,166; July 24.
- Repke, George H. (See Vollmer, H. C., and Repke.)
- Repko, John S., assignor to The Hudson Coal Company, Scranton, Pa. Rotary mine-car dump. 1,686,420; Oct. 2.
- Replitura Corporation, The. (See Brixey, Austin D., assignor.)
- Replogle, Daniel B., Berkeley, Calif., assignor to The Commerce Guardian Trust and Savings Bank, trustee, Toledo, Ohio. Air-way cleaning cabinet. 1,681,624; Aug. 21.
- Replogle, Daniel B., Berkeley, Calif., assignor to Commerce Guardian Trust and Savings Bank, trustee, Toledo, Ohio. Cord reel. 1,692,517; Nov. 20.
- Replogle, Delbert E., Watertown, assignor to Engineering Specialties Company, Boston, Mass. Cable support. 1,676,208; July 3.
- Replogle, Harry H., Upper Montclair, N. J., assignor of one-half to J. Young, Caldwell, N. J. Edible-dye composition. 1,678,648; July 31.
- Replogle, John R., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerated food cabinet. 1,658,209; Feb. 7.
- Replogle, John R., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerating unit. 1,672,825; June 5.
- Replogle, John R., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerated cabinet. 1,672,826; June 5.
- Replogle, John R., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerating system. 1,672,827; June 5.
- Replogle, John R., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerating apparatus. 1,672,828; June 5.
- Replogle, John R., assignor to Electric Refrigeration Corporation, Detroit, Mich. Mechanically-refrigerated cabinet. 1,672,829; June 5.
- Replogle, John R., assignor to Electric Refrigeration Corporation, Detroit, Mich. Mechanically-refrigerated cabinet. 1,672,830; June 5.
- Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerator. 1,688,881; Oct. 23.
- Replogle, John R., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerated food cabinet. 1,689,933; Oct. 30.
- Replogle, John R., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Compressor. 1,691,305; Nov. 13.
- Repp, Grover M., New York, N. Y. Stereotype-matrix-making machine. 1,661,267; Mar. 6.
- Reppe, Max, Chicago, Ill. Lawn edger. 1,660,177; Feb. 21.
- Reppell, Lawrence G., Kansas City, Mo. Key lock. 1,660,577; Feb. 28.
- Reppell, Lawrence G., Kansas City, Mo. Automatic centering instrument. 1,660,578; Feb. 28.
- Ropper, Theodore A., Swissvale, Pa. Ladle-tilting apparatus. 1,688,657; Oct. 23.
- Roppetto, Harvey B., Clyde, Ohio. Hydrocarbon heating stove. 1,685,095; Sept. 25.
- Republic Box Company, The. (See Trautman, Ernest, assignor.)

- Republic Brass Company, The. (See Bloch, Leon, assignor.)
- Republic Brass Company, The. (See Richards, P. R., and Bloch, assignors.)
- Republic Brass & Mfg. Co. (See Slining, Henry W., assignor.)
- Republic Flow Meters Company. (See Grisdale, G. W., and Schneider, assignors.)
- Republic Flow Meters Company. (See Spitzglass, Jacob M., assignor.)
- Republic Metalware Co., The. (See Le Sauvage, George R., assignor.)
- Republic Steel Package Company, The. (See Merry, Seward B., assignor.)
- Resch, Oskar, Neustadt, near Coburg, Germany. Device for moving the eyes of dolls. 1,685,000; Sept. 18.
- Reschke, William F., Wichita, Kans. Grain-receiving attachment for combined harvesters and thrashers. 1,690,794; Nov. 6.
- Research Association of British Rubber and Tyre Manufacturers. (See Gallie, G., and Porritt, assignors.)
- Research Corporation. (See Auspitzer, Alfred J., assignor.)
- Reseg, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Stove. Des. 76,154; Aug. 21.
- Resek, Marc. (See Chadwick, L. S., and Resek.)
- Resek, Marc. (See Chadwick, L. S., Resek, and Dahlstrom.)
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Stove. Des. 76,155; Aug. 21.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Oil stove. 1,677,597; July 17.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Valve. 1,677,598; July 17.
- Resek, Marc, East Cleveland, assignor to Perfection Stove Company, Cleveland, Ohio. Brooder. 1,679,920; Aug. 7.
- Resek, Marc, Cleveland Heights, and J. A. Dahlstrom, East Cleveland, assignor to Perfection Stove Company, Cleveland, Ohio. Oil-burning apparatus. 1,688,435; Oct. 23.
- Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Heating system. 1,688,658; Oct. 23.
- Reserve Holding Company. (See Gould, Roy F., assignor.)
- Reserve Holding Company. (See Lomax, C. E., and Saunders, assignors.)
- Reserve Holding Company. (See Ruggles, Leonard L., assignor.)
- Reserve Holding Company. (See Saunders, Norman H., assignor.)
- Reserve Holding Company. (See Sengebusch, Hans, assignor.)
- Reserve Holding Company. (See Stehlik, Rudolph F., assignor.)
- Reserve Holding Company. (See Wicks, John, assignor.)
- Reshaw, George O., St. Joseph, Mich. Fruit-basket lid. 1,691,409; Nov. 13.
- Respass, Roland B., New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I. Bufling-leather substitute and making the same. 1,663,954; Mar. 27.
- Respro Inc. (See Brown, H. E., and Stover, assignors.)
- Respro Inc. (See Respass, Roland B., assignor.)
- Resseguie, Alba A., Schaller, Iowa. Planter depth gauge. 1,695,608; Dec. 18.
- Restein, Clement, Hatboro, Pa. Packing and making the same. 1,695,821; Dec. 18.
- Restein, Clement, Hatboro, Pa. Packing and making the same. 1,695,822; Dec. 18.
- Reswick, Maurice, Ellwood City, Pa. Speed indicator. 1,673,423; June 12.
- Retschy, Curt, assignor to H. Junkers, Dessau, Germany. Oil-feeding device. 1,682,853; Sept. 4.
- Reft, Carl E., Akron, Ohio, assignor to C. H. Oakley, Trenton, N. J. Continuous vulcanizer. 1,677,207; July 17.
- Rettenmeyer, Francis X., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier-wave repeater. 1,673,023; June 12.
- Rettenmeyer, Francis X., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 1,678,199; July 24.
- Retterer, Ray W. (See Murphy, F. K., and Retterer.)
- Rettig, Bruce C., Fort Worth, Tex. Ceiling-fan hanger. 1,684,144; Sept. 11.
- Rettmer, Jacob J., Lufkin, Tex. Lumber, stamping device. 1,665,220; Apr. 10.
- Reuber, Henry, jr. (See Foley, John J., assignor.)
- Reufel, Heinrich M. H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for adjusting balances. 1,671,127; May 29.
- Reufel, Heinrich M. H., H. de Jong, Eindhoven, and W. G. F. Wentink, The Hague, Netherlands, assignors to General Electric Company. Wire-coiling machine. 1,667,677; Apr. 24.
- Reukauf, Edward, jr., assignor to Carey-McFall Co., Philadelphia, Pa. Securing draw sticks in window shades. 1,678,534; July 24.
- Reuss, Arnold, assignor to Leach Company, Oshkosh, Wis. Concrete mixer. 1,680,339; Aug. 14.
- Reuss, Wilhelm, Mannheim, Germany. Welding medium for aluminum. 1,675,664; July 3.
- Reuss, Wilhelm, assignor to Joh. Moritz Rump A.-G., Altena, Germany. Annealing sheet metal. 1,672,172; June 5.
- Reuther, John, East Aurora, N. Y. Rolling-screen bracket. 1,671,545; May 29.
- Reuther, John, East Aurora, N. Y. Potato digger. 1,692,468; Nov. 20.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Perfume bottle and cap. 1,666,541; Apr. 17.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Top for powder cans. 1,668,657; May 8.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Powder box. 1,668,658; May 8.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,670,315; May 22.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Decorating metal articles. 1,680,801; Aug. 14.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Spring catch for vanity boxes. 1,684,413; Sept. 18.
- Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,690,552; Nov. 6.
- Revalo Products Corporation. (See Andrews, Fred W., assignor.)
- Revell, Alexander H., & Co. (See Holmes, Alfred E., assignor.)
- Revere Rubber Company. (See Fraley, Clifford A., assignor.)
- Revere Rubber Company. (See Greene, Edward F., assignor.)
- Revere Rubber Company. (See Hopkinson, E., and Gibbons, assignors.)
- Revere Rubber Company. (See Ostromislensky, Iwan, assignor.)
- Revill, Joseph A., Florence, S. C. Steam-heater sadiron. 1,660,396; Feb. 28.
- Rex Engineering Corporation. (See Hill, Hermann, assignor.)
- Rex, Harold B., Lynn, Mass., assignor to General Electric Company. Adjustable magnet device. 1,667,638; Apr. 24.
- Rex Manufacturing Company. (See Hull, Matthew R., assignor.)
- Rex Products & Manufacturing Company. (See Dinley, Clarence F., assignor.)
- Rex, Walter H., Tallahassee, Fla., assignor to Crorex Holding Company. License-plate holder. 1,692,469; Nov. 20.
- Rex-Watson Corporation. (See Casler, Herman, assignor.)
- Rexinger, Otto M., Beverly Hills, Calif. Window grating. 1,662,167; Mar. 13.
- Reyburn, Charles E., Peru, Ind. Weather strip. 1,665,326; Apr. 10.
- Reyburn, John R., Fairfield, Conn., assignor to American Chain Company Inc. Connecting and tightening device. 1,670,669; May 22.
- Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Cross chain for vehicle nonskid devices. 1,696,255; Dec. 25.
- Reyher, Henry E., assignor to The Silent Salesman Co., Kendallville, Ind. Display rack for garments and the like. 1,663,176; Mar. 20.
- Reymann, Joseph F. (See Hormes, W. T., Woltz, and Reymann.)
- Reynders, Arthur B., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Electrical centering device. 1,687,637; Oct. 16.
- Reynier, Edmond H., Passaic, N. J. Tenting machine. 1,695,717; Dec. 18.
- Reynolds, Charles H., Houston, Tex. Well packer. 1,662,336; Mar. 13.
- Reynolds, Charles L., Seattle, Wash. Transit concrete-mixer drive means. 1,675,958; July 3.
- Reynolds, Clayton S., et al. (See Walsh, William E., assignor.)
- Reynolds, Damian L., assignor of one-half to L. L. Yates, San Francisco, Calif. Refrigerator car. 1,689,081; Oct. 23.
- Reynolds, Drew, Denver, Colo. Headlight dimmer. 1,663,177; Mar. 20.
- Reynolds, Drew, and H. L. Simpson, Denver, Colo. Antiglare shield for automobile lamps. 1,691,209; Nov. 13.
- Reynolds, Ernest L., Tulsa, Okla. Oil burner. 1,690,249; Nov. 6.
- Reynolds, Frank H., assignor to Eastman Kodak Company, Rochester, N. Y. Camera covering and making same. 1,683,302; Sept. 4.
- Reynolds, George, Anderson, Ind. Spring hinge for pulp screens. 1,689,687; Oct. 30.
- Reynolds, John, Montclair, N. J., assignor to The Southington Hardware Co., Southington, Conn. Putty knife or similar article. Des. 76,552; Oct. 9.
- Reynolds, John F., Pasadena, Calif. Grass catcher. 1,684,744; Sept. 18.

- Reynolds, John L., Long Island City, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. Signal-controlling apparatus. 1,655,843; Jan. 10.
- Reynolds, John L., Long Island City, N. Y., assignor, by mesne assignments, to Electrical Research Products Inc. Switching apparatus and system. 1,662,168; Mar. 13.
- Reynolds, Joseph S., Los Angeles, assignor to H. F. Towner, Santa Ana, Calif. Disk barrow. 1,655,712; Jan. 10.
- Reynolds, Joy S., et al. (See Reynolds, Joy S., assignor.)
- Reynolds, Joy S., Detroit, Mich. Universal pipe joint. 1,669,949; May 15.
- Reynolds, Joy S., Detroit, Mich. Vehicle brake. 1,691,083; Nov. 13.
- Reynolds, Joy S., Detroit, Mich. Maintaining pressure on liquid for use in vehicle braking. 1,694,951; Dec. 11.
- Reynolds, Joy S., San Francisco, Calif., assignor of one-half to J. S. Reynolds, Detroit, Mich., and one-half to C. A. Balcolm, San Francisco, Calif. Control valve. 1,654,602; Jan. 8.
- Reynolds Machine Company, The. (See Brown, G. C., and McNulty, assignors.)
- Reynolds, Marvin C. (See Epstein, A. K., and Reynolds.)
- Reynolds, Merton A., Auburn, Me. Supporting stand and control switch for electric irons. 1,681,132; Aug. 14.
- Reynolds, Michael J., West Haven, assignor, by mesne assignments, to The Strouse Adler Company, New Haven, Conn. Reducing corset. 1,677,989; July 24.
- Reynolds, Robert A., Detroit, Mich. Internal-combustion engine. 1,695,823; Dec. 18.
- Reynolds, Robert O., assignor to A. Baker, Auburn, Me. Electrically-heated-sadiron stand. 1,664,758; Apr. 3.
- Reynolds Spring Company. (See He, William, assignor.)
- Reynolds, Sydney W. (See Bainbridge, G. K., and Reynolds.)
- Reynolds, Thelma M., St. Paul, Minn. Permanent waver. 1,686,575; Oct. 9.
- Reynolds, Thomas A., Los Angeles, Calif. Sucker-rod wrench. 1,675,729; July 3.
- Reynolds, William A., assignor to The Ohio Rubber Company, Cleveland, Ohio. Bulb for hydrometer syringe. Des. 74,760; Mar. 20.
- Reynolds, William H., et al. (See Newell, Floyd B., assignor.)
- Reynolds, A., & Company Limited. (See Allan, A., and Clothier, assignors.)
- Reynolds, A., & Company Limited. (See Anderson, William, assignor.)
- Reynolds, A., & Company Limited. (See Anderson, W., and Clothier, assignors.)
- Reynolds, A., & Company, Limited. (See Biles, Reginald W., assignor.)
- Reynolds, A., & Company, Limited. (See Burgess, William A., assignor.)
- Reynolds, A., & Company Limited. (See Clothier, H. W., and Allan, assignors.)
- Reynolds, A., & Company Limited. (See Clothier, H. W., and Burgess, assignors.)
- Reynolds, A., & Company Limited. (See Coates, Frank, assignor.)
- Reynolds, A., & Company Limited. (See Leeson, Bruce H., assignor.)
- Reyther, John, Ennis, Tex. Pan shield. 1,682,095; Aug. 28.
- Rezac, Henry, Sioux Falls, S. Dak. Wall duct. 1,657,549; Jan. 31.
- Reznor, George F., Mercer, Pa. Gas burner. 1,692,186; Nov. 20.
- Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung. (See Schöllkopf, Karl, assignor.)
- Rheinische Metallwaren- und Maschinenfabrik Sömmerda Aktiengesellschaft. (See Schmidt, Hermann, assignor.)
- Rhenania-Kunheim Verein Chemischer Fabriken A. G. (See Marwedel, J. E., and Looser, assignors.)
- Rhenania-Kunheim Verein Chemischer Fabriken, Aktien-gesellschaft. (See Rothe, E., and Brenke, assignors.)
- Rhenania-Kunheim Verein Chemischer Fabriken A. G. (See Rüberg, F., and Schmid, assignors.)
- Rhenania Verein Chemischer Fabriken A. G. (See Rothe, E., and Brenke, assignors.)
- Rhinevault, Glenn, Saginaw, Mich. Hose-fastening device. 1,668,978; May 8.
- Rhodes, Emory J., Walla Walla, Wash. Direction signal. 1,660,722; Feb. 28.
- Rhodes Shale Oil Company. (See Rhodes, William, assignor.)
- Rhodes, William, San Leandro, Calif., assignor to Rhodes Shale Oil Company. Apparatus for extracting oil from shale. 1,668,820; May 8.
- Rhodes, William L. (See Finley, D., and Rhodes.)
- Rhodes, Errett S., Kansas City, Mo. Concrete-molding apparatus. 1,658,255; Feb. 7.
- Rhodes, Errett S., Kansas City, Mo. Concrete-block-casting car. 1,658,256; Feb. 7.
- Rhodes, Harry E., assignor to The Willys-Overland Company, Toledo, Ohio. Internal-combustion engine. 1,658,417; Feb. 7.
- Rhodes, Harry E., assignor to The Willys-Overland Company, Toledo, Ohio. Engine governor. 1,686,839; Oct. 9.
- Rhodes, Samuel E., assignor of one-fourth to A. E. Metcalf and one-fourth to G. W. Metcalf, Dennison, Ohio. Ball-spotting rack. 1,660,626; Feb. 28.
- Rhoads, Thomas H., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying ceramic ware and apparatus therefor. 1,689,082; Oct. 23.
- Rhode Island Lace Works, Inc., The. (See Newton, Albert E., assignor.)
- Rhode Island Lace Works, Inc. (See Price, John V., assignor.)
- Rhode Island Warp Stop Equipment Company. (See Bruneau, Hudger, assignor.)
- Rhodes, Arvid, assignor to The Railroad Supply Company, Chicago, Ill. Shearing machine. 1,690,503; Nov. 6.
- Rhodes, Bert O., assignor, by mesne assignments, to Jay B. Rhodes Company, Kalamazoo, Mich. Dispensing receptacle. 1,667,821; May 1.
- Rhodes, Bert O., assignor, by mesne assignments, to Jay B. Rhodes Company, Kalamazoo, Mich. Dispensing can. 1,667,822; May 1.
- Rhodes, Charles J. (See Berry, George W., assignor.)
- Rhodes, Charles J., Wakefield, England. Press for drawing sheet metal. 1,691,496; Nov. 13.
- Rhodes, Ernest, Herkimer, N. Y. Table. 1,661,853; Mar. 6.
- Rhodes, Hampton P., Houston, Tex. Metallic packing. 1,674,839; June 26.
- Rhodes-Hochriem Manufacturing Co. (See Hochriem, Gustav E., assignor.)
- Rhodes-Hochriem Manufacturing Co. (See Hochriem, Gustav E., assignor.)
- Rhodes, Homer. (See Rhodes, John and H.)
- Rhodes, Jay B., Company. (See Rhodes, Bert O., assignor.)
- Rhodes, John, LeGrand, Iowa. Governor. 1,659,704; Feb. 21.
- Rhodes, John and H., LeGrand, Iowa. Water gauge. 1,680,174; Aug. 7.
- Rhodes, Ursula L. (See Kahlen, Johannes W., assignor.)
- Rhodes, William A., and A. Bankoff, Brooklyn, N. Y. Radiant-energy collector for aërials. 1,666,834; Apr. 17.
- Rhodes, William A., and D. Bellar, Brooklyn, N. Y. Vacuum tube. 1,666,833; Apr. 17.
- Rhodus, Thomas, Chicago, Ill. Rheostat. 1,676,050; July 3.
- Rhyndress, Freeman L. (See Pinkerton, H. K., and Rhyndress.)
- Rhyner, William J., Spreckels, Calif. Adjustable seat for automobiles. 1,693,120; Nov. 27.
- Riabouchinski, Dmitri, Biarritz, France. Rocket gun. 1,661,091; Feb. 28.
- Ribaysen, Jacob, Chicago, Ill. Lamp socket. 1,669,209; May 8.
- Ricard, Christy, Woonsocket, R. I. Self-threading shuttle. 1,684,780; Sept. 18.
- Ricard, Christy, Woonsocket, R. I. Self-threading shuttle. 1,684,781; Sept. 18.
- Ricard, Eloi, assignor to Société Anonyme des Distilleries des Deux-Sevres, Melle, France. Continuous process for dehydration of volatile fatty acids. 1,668,308; May 1.
- Ricard, Eloi, and H. Guinot, Melle, assignors to Société Ricard, Allenet & Cie., Distilleries des Deux-Sevres, Melle, Deux-Sevres, France. Dehydration of alcohol for carburants. 1,659,958; Feb. 21.
- Ricardo, Harry R., London, England. Starting internal-combustion engines. 1,669,780; May 15.
- Ricardo, Harry R., London, England. Making sleeve valves. 1,677,249; July 17.
- Ricci, Oreste, Brooklyn, N. Y. Automatic dispensing device. 1,669,841; May 15.
- Rice & Adams Corporation. (See Maw, Francis R., assignor.)
- Rice, Barton & Fales, Inc. (See Lindstrom, Carl C., assignor.)
- Rice, Barton & Fales, Inc. (See Lodding, Frederick W., assignor.)
- Rice, Barton & Fales, Incorporated. (See Taylor, Robert H., Jr., assignor.)
- Rice, Barton & Fales, Incorporated. (See Vedder, John W., assignor.)
- Rice, Charles F., Englewood, Colo. Stabilizer for automobiles. 1,658,352; Feb. 7.
- Rice, Chester S., Schenectady, N. Y., assignor to General Electric Company. Bracing casing structures for elastic-fluid turbines and the like. 1,693,317; Nov. 27.
- Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,658,740; Feb. 7.
- Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Cooling system for dynamo-electric machines. 1,696,612; Dec. 25.
- Rice, Cyril M., Montreal, Quebec, Canada. Transparent sign and making same. 1,663,388; Mar. 20.
- Rice, Cyrus W., Pittsburgh, Pa. Scale and corrosion detector. 1,683,489; Sept. 4.
- Rice, Edward P., Eau Claire, Wis. Jar closure. 1,680,476; Aug. 14.
- Rice, George D. (See Biek, W. G., and Rice.)
- Rice, George L., Chicago, Ill., assignor to International Harvester Company. Twine ball. 1,677,491; July 17.
- Rice, George L., and L. E. Whitcomb, Chicago, Ill., assignors to International Harvester Company. Feeder for fiber breakers. 1,681,498; Aug. 21.
- Rice, Harold G., Chicago, Ill. Holder for socket-wrench sets. 1,654,703; Jan. 3.

- Rice, Harold G., Chicago, Ill. Bottle capper. 1,678,303; July 24.
- Rice, Harold G., Chicago, Ill. Christmas-tree stand. 1,684,970; Sept. 18.
- Rice, Harold G., Chicago, Ill. Bottle capper. 1,689,298; Oct. 30.
- Rice, Horace E., deceased, and R. C. Da Costa, said Da Costa assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa.; K. F. Rice, administratrix. Condenser structure. 1,694,927; Dec. 11.
- Rice, James L., assignor of 5 per cent to R. E. Garrett, Nashville, Tenn. Bleeder valve for air-brake systems. 1,655,241; Jan. 3.
- Rice, John V., jr., Bordentown, N. J., assignor, by mesne assignments, to F. E. Tasker, New York, N. Y. Gasoline rock drill. 1,654,833; Jan. 3.
- Rice, John V., jr., Bordentown, N. J., assignor, by mesne assignments, to F. E. Tasker, New York, N. Y. Fluid-pressure starter for gasoline drills. 1,656,567; Jan. 17.
- Rice, John V., jr., Bordentown, N. J., assignor, by mesne assignments, to F. E. Tasker, New York, N. Y. Starting device for gas engines. 1,656,568; Jan. 17.
- Rice, Joseph, assignor to Elevator Company of America, Chicago, Ill. Elevator platform. Re17,080; Sept. 11.
- Rice, Joseph, assignor to Elevator Company of America, Chicago, Ill. Movable floor for elevator cars. 1,687,794; Oct. 16.
- Rice, Joseph, assignor to Elevator Company of America, Chicago, Ill. Door-controlling mechanism for elevators. 1,692,187; Nov. 20.
- Rice, Kathleen F., administratrix. (See Rice, H. E., and Da Costa.)
- Rice, Louis A., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Picture frame or similar article. Des. 76,704; Oct. 23.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Table lighter. Des. 75,188; May 15.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Table lighter. Des. 75,287; May 22.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Beverage Pitcher or Similar Article. Des. 75,387; May 29.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Sugar bowl or similar article. Des. 75,650; June 26.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Pitcher or like article. Des. 75,698; July 3.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Tray or similar article. Des. 75,872; July 24.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Bottle or similar article. Des. 75,873; July 24.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Box or similar article. Des. 75,930; July 31.
- Rice, Louis W., assignor to Bernard Rice's Sons, Inc., New York, N. Y. Hand mirror or similar article. Des. 76,047; Aug. 14.
- Rice, Mary E. (See Snyder, Harry F., assignor.)
- Rice, Philip X., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Governor. 1,689,781; May 15.
- Rice Products, Inc. (See West, Frank R., assignor.)
- Rice, Steven A. (See Ruegg, Paul, assignor.)
- Rice, Valentine B., Bethlehem, Pa. Brake-beam safety device. 1,656,075; Jan. 10.
- Rice, Walter J., Philadelphia, Pa. Marble game. 1,675,052; June 26.
- Rice, Walter L., Denver, Colo. Signaling automobile tire deflation. 1,668,821; May 8.
- Rice, Wayland W., assignor to United States Gutta Percha Paint Company, Providence, R. I. Packing case or crate. 1,696,413; Dec. 25.
- Rice, William G., et al. (See Sweet, Andrew T., assignor.)
- Rice, William H., East St. Louis, Ill. Automobile tire air pump. 1,667,051; Apr. 24.
- Rice, Willis B., New York, N. Y., assignor to American Sales Book Company, Limited, Toronto, Canada. Autographic register. 1,684,553; Sept. 18.
- Rice's, Bernard, Sons, Inc. (See Rice, Louis W., assignor.)
- Rich, Adelaide, executrix. (See Rich, Frederick D., assignor.)
- Rich, David, assignor of two-fifths to G. R. McKeever, Spooner, Wis. Railway-rail-lifting bar. 1,663,061; Mar. 20.
- Rich, Earl W., Indianapolis, Ind. Water seal for waste pipe. 1,686,926; Oct. 9.
- Rich, Elmer A., jr. (See Minich, V. E., Rich, and Moore.)
- Rich, Elmer A., jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Sand cutting and conveying machine. 1,655,567; Jan. 10.
- Rich, Elmer A., jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Sand cutting, screening, and piling machine. 1,685,139; Sept. 25.
- Rich, Elmer A., jr., and R. H. Moore, Chicago, Ill. Sand-blast machine. 1,692,864; Nov. 27.
- Rich, Frank E., Chicago, and F. C. Burdick, La Grange, assignors to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Delivery mechanism for printing presses. 1,663,815; Mar. 27.
- Rich, Frank S., Los Angeles, assignor of one-half to W. W. Cocks and one-half to F. L. Stineman, Santa Monica, Calif. Automobile riding amusement device. 1,668,249; May 1.
- Rich, Frederick D., deceased, Edgewater, N. J.; A. Rich, executrix. Inside-tube cutter. 1,667,823; May 1.
- Rich, George R., Battle Creek, Mich. Valve grinder. 1,655,821; Jan. 10.
- Rich, George R., Battle Creek, Mich., assignor, by mesne assignments, to Wilcox-Rich Corporation. Making valve tappets. 1,695,981; Dec. 18.
- Rich, John L., Ottawa, Kans. Extracting petroleum. 1,679,683; Aug. 7.
- Rich, John W., Woolrich, Pa. Game pouch. 1,685,243; Sept. 25.
- Rich, Lester J. (See Pernot, F. E., and Rich.)
- Rich, Malcolm N., East Orange, N. J., assignor to Westinghouse Lamp Company. Refractory metal filament. 1,663,564; Mar. 27.
- Rich, Minnie D. (See Rich, Sam D. and M. D.)
- Rich, Perry D. (See Sapp, James E., assignor.)
- Rich, Sam D., Columbus, Ohio. Envelop. 1,655,242; Jan. 3.
- Rich, Sam D. and M. D., Columbus, Ohio. Headlight attachment. 1,675,767; July 3.
- Rich, Solomon, West Orange, N. J. Detachable matrix-storage magazine for typographical machines. 1,659,121; Feb. 14.
- Rich, Theodore A., East Lynn, Mass., assignor to General Electric Company. Electric measuring instrument. 1,674,482; June 19.
- Rich, Theodore A., East Lynn, Mass., assignor to General Electric Company. Measuring device. 1,684,243; Sept. 11.
- Rich Tool Company. (See Jardine, Robert, assignor.)
- Rich, William T., jr. (See Glidden, A. A., Knowland, and Rich.)
- Richa, John H. (See Fuqua, C. V., and Richa.)
- Richard, Albert, et al. (See Offutt, Ira, assignor.)
- Richard, Augusto, Milan, Italy. Suspension insulator with hood and deformable pivoting system forming an articulated joint. 1,657,035; Jan. 24.
- Richard, Camille, Port Arthur, Tex. Window latch. 1,658,688; Feb. 7.
- Richard, Clarence A., assignor of one-third to O. K. Richard and two-thirds to C. C. Richard, Detroit, Mich. Work-holding head for lathes. 1,687,143; Oct. 9.
- Richard, Clement C. (See Richard, Otis K. and C. C.)
- Richard, Clement C., et al. (See Richard, Clarence A., assignor.)
- Richard, Edward C., and H. Gill, Westboro, Mass., assignors to Westboro Weaving Company, New York, N. Y. Shuttle. 1,665,221; Apr. 10.
- Richard, Eugene C., Flint, assignor to General Motors Corporation, Detroit, Mich. Vacuum tank. 1,655,162; Jan. 3.
- Richard, Joseph C., North Long Branch, N. J. Marker for trees, plants, and flowers. 1,676,927; July 10.
- Richard, Melvin L., Cambridge, Nebr. Ridge smoother. 1,657,518; Jan. 31.
- Richard, Otis K., et al. (See Richard, Clarence A., assignor.)
- Richard, Otis K. and C. C., Detroit, Mich. Wheel-anchoring device. 1,671,092; May 22.
- Richard, Otis K. and C. C., Detroit, Mich. Wheel-anchoring device. 1,696,732; Dec. 25.
- Richard, William E., assignor to Sunbeam Electric Manufacturing Company, Evansville, Ind. Turbine rotor and forming the same. 1,686,840; Oct. 9.
- Richards, Alfred E. (See Ricks, F., and Richards.)
- Richards, Arthur, Mexico, Me. Light extension. 1,659,160; Feb. 14.
- Richards, Brayton G. (See Pabodie, Robert J., assignor.)
- Richards, Charles H., assignor to Richsto Manufacturing Co., Aurora, Ill. Casing or trim for plastered walls. 1,674,344; June 19.
- Richards, Daniel W. (See Lavarack, W. H. B., and Richards.)
- Richards, David R., St. Louis, Mo. Window. 1,686,927; Oct. 9.
- Richards, Earl M., assignor to H. O. Swoboda, Inc., Pittsburgh, Pa. Ironing machine. 1,670,742; May 22.
- Richards, Earl M., Pittsburgh, Pa., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,682,419; Aug. 28.
- Richards, Edward M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Grille for phonograph cabinets. Des. 74,391; Feb. 7.
- Richards, Edwin H. and F. A., Pomona, Calif. Body-punch resistance developer. 1,679,174; July 31.
- Richards, Ernst R., Chicago, Ill., assignor to American Assembling Machine Company, Inc., New York, N. Y. Tipping machine. 1,664,898; Apr. 3.
- Richards, Frank A. (See Richards, Edwin H. and F. A.)
- Richards, Franklin B. (See Grant, F., Richards, and Wetherbee.)
- Richards, George H. (See Brown, Charles D., assignor.)
- Richards, Howard N. (See Hines, B., and Richards.)
- Richards, Ithiel C., Los Angeles, Calif. Toilet-bowl attachment. 1,682,798; Sept. 4.
- Richards, Ithiel C., Los Angeles, Calif. Sanitary cushion apron. 1,682,799; Sept. 4.

- Richards, James A., assignor to The Gunn Furniture Company, Grand Rapids, Mich. Adjustable table. 1,655,798; Jan. 10.
- Richards, James H., Glendale, Calif. Engine-trouble diagnoser. 1,694,670; Dec. 11.
- Richards, John L. (See Baker, F. S. and Richards.)
- Richards, John W., Jr., Essexville, Mich. Shoe for transmission-clutch-drum lugs. 1,683,806; Sept. 11.
- Richards, Marcus A., Zanesville, Ohio. Aerial navigation. 1,667,987; May 1.
- Richards, Paul. (See Bellowons, W., and Richards.)
- Richards, Peter R., and L. Bloch, assignors to The Republic Brass Company, Cleveland, Ohio. Combination faucet for laundry tubs and sinks. 1,676,800; July 10.
- Richards, Silas G., Rockford, assignor of one-half to A. B. McCall, Springfield, Ill. Scooter sled. 1,659,048; Feb. 14.
- Richards, Temple, Glace Bay, Nova Scotia, Canada. Seeder. 1,665,042; Apr. 3.
- Richards, Thomas G., Cambridge, and G. P. F. Smith, Newton, Mass., assignors, by mesne assignments, to Dispersions Process, Inc., Dover, Del. Reclaiming and dispersing vulcanized rubber. 1,671,816; May 29.
- Richards, Willard F., Depew, N. Y. Side frame. 1,687,735; Oct. 16.
- Richardson, Albert P., assignor to Parker Brothers, Inc., Salem, Mass. Game. 1,661,197; Mar. 6.
- Richardson, Alfred, Nelsonville, Ohio. Cleaner for steam boilers. 1,656,796; Jan. 17.
- Richardson, Bayard E., Grand Rapids, Mich. Desk top. 1,690,130; Nov. 6.
- Richardson, Benjamin P., deceased, Brookline, Mass.; E. D. Richardson, executrix. Protecting granular substances and resulting product. 1,692,996; Nov. 27.
- Richardson, Bess E., Los Angeles, Calif. Carton. 1,684,244; Sept. 11.
- Richardson & Boynton Co. (See Richardson, Dwight S., assignor.)
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Pattern-shearing machine. 1,659,535; Feb. 14.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Multiple cloth shears. 1,672,780; June 5.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth-shearing machine. 1,672,781; June 5.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Ledger-blade construction for cloth shears. 1,686,499; Oct. 2.
- Richardson, Charles G., assignor to Parks & Woolson Machine Company, Springfield, Vt. Cloth-finishing machine. 1,694,865; Dec. 11.
- Richardson Company, The. (See Fisher, Harry C., assignor.)
- Richardson Company, The. (See Keller, Charles L., assignor.)
- Richardson Company, The. (See Lukens, Alan R., assignor.)
- Richardson Company, The. (See Rieser, Oliver O., assignor.)
- Richardson Corporation. (See Cartwright, Arthur W., assignor.)
- Richardson Corporation. (See McCue, Harry J., assignor.)
- Richardson, Dwight S., assignor to Richardson & Boynton Co., New York, N. Y. Furnace. 1,692,953; Nov. 27.
- Richardson, Earle E. (See Jones, L. A., and Richardson.)
- Richardson, Earl E., Quincy, Ill. Cable terminal for batteries. 1,674,799; June 26.
- Richardson, Edward E., Maumee, Ohio. Floor mat for vehicles. 1,679,498; Aug. 7.
- Richardson, Emma D., executrix. (See Richardson, Benjamin P., assignor.)
- Richardson, Frances C. (See Miller, John M., assignor.)
- Richardson, George P., Los Angeles, Calif. Automatic electric toaster. 1,667,988; May 1.
- Richardson Grain Separator Co. (See Thorbus, Clarence T., assignor.)
- Richardson, Henry, Chicago, Ill. Corner lock for bedsteads. 1,678,708; July 31.
- Richardson, Henry, and A. Holm, Passaic, N. J.; said Holm assignor to said Richardson. Method of and apparatus for generating thermodynamic energy. 1,693,910; Dec. 4.
- Richardson, Henry, and S. G. Murray, Clifton, N. J. Automatic weighing machine. 1,686,502; Oct. 2.
- Richardson, Henry K. (See Marden, J. W., and Richardson.)
- Richardson, Henry T. (See Puccini, J. V., and Guise, assignors.)
- Richardson, Holden C., Washington, D. C. Apparatus for launching torpedoes. 1,681,434; Aug. 21.
- Richardson, Horace G. (See Horton, E. W., and Richardson.)
- Richardson, John F., Pittsburgh, Pa. Brake for motor vehicles. 1,683,097; Sept. 4.
- Richardson, John H., Melrose, and A. E. Hudson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Relasting machine. 1,689,600; Oct. 30.
- Richardson, John H., Melrose, and A. E. Hudson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Sole-forming machine. 1,680,601; Oct. 30.
- Richardson, John K. (See Pocock, Sylvester J., assignor.)
- Richardson, John K. (See Smith, Joseph D., assignor.)
- Richardson, Joseph P., Oakland, Calif. Wire-crimping machine. 1,657,695; Jan. 31.
- Richardson, Joseph S., assignor to McKee Glass Company, Jeannette, Pa. Dish or similar article. Des. 76,420; Sept. 25.
- Richardson, Lawrence, Louisville, Ky. Side bearing for railway cars. 1,660,525; Feb. 28.
- Richardson, Lawrence, Chicago, Ill. Car construction. 1,660,526; Feb. 28.
- Richardson, Led L., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Steel retainer for rock drills. 1,694,106; Dec. 4.
- Richardson, Linwood T. (See Delaney, M. E., and Richardson.)
- Richardson, Linwood T. (See Kurath, F., and Richardson.)
- Richardson, Linwood T. (See Layman, F. E., and Richardson.)
- Richardson, Linwood T. (See Layman, F. E., Richardson, and Cherry.)
- Richardson, Linwood T., New Brunswick, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Synthetic resin and producing the same. 1,682,934; Sept. 4.
- Richardson, Maurice F., Berwyn, Pa. Valve. 1,681,364; Aug. 21.
- Richardson, Myron H., and A. D. Antoine, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,678,650; July 31.
- Richardson, Myron H., and A. D. Antoine, assignors to Advance Machine Company, Chicago, Ill. Vending machine. 1,693,051; Nov. 27.
- Richardson, O. C., Chicago, Ill. Tag. 1,694,723; Dec. 11.
- Richardson, Rodney G., Chicago, Ill. Speed governor. 1,678,914; July 31.
- Richardson, Rodney G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,663,860; Mar. 27.
- Richardson, Rodney G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,678,304; July 24.
- Richardson, Rodney G., Chicago, and J. I. Bellamy, Brookfield, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Remote-control system. 1,674,126; June 19.
- Richardson, Rodney G., Chicago, and M. L. Nelson, Park Ridge, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,691,440; Nov. 3.
- Richardson, William A., and S. A. Theard, Baton Rouge, La. Truck drive. 1,658,654; Feb. 7.
- Richardson, William H. (See Glover, W. B., and Richardson.)
- Richardson, William H., Roscoe, and E. F. Masl, Chatsworth, Calif. Combination pail and harness. 1,689,051; Oct. 23.
- Richer, Joseph R., assignor, by mesne assignments, to Shakeproof Lock Washer, Incorporated, Chicago, Ill. Producing pronged washers. 1,659,161; Feb. 14.
- Richert, Paul, New York, N. Y., assignor to Pittsburgh Taximeter Company. Recording meter. 1,691,017; Nov. 6.
- Richeson, Sanford E., Los Angeles, Calif., assignor to R. M. Woods. Vending and display cabinet. 1,673,711; June 12.
- Richey, Archie L., Boonton, N. J., assignor to American Telephone and Telegraph Company. Multiple-unit cable. 1,667,824; May 1.
- Richhelmer, Isaac C., New York, N. Y. Spout for coffee-pots and the like. 1,663,317; Mar. 20.
- Richie, James K., Butler, Pa. Holder. 1,681,785; Aug. 21.
- Richie, John K., Los Angeles, Calif. Smoker's stand. Des. 75,587; June 19.
- Richie, Joseph D., Casper, Wyo. Antiskid device. 1,680,569; Aug. 14.
- Richman, Walter H., Philadelphia, Pa. Container. 1,669,881; May 15.
- Richmond Beverage Machine Corporation. (See Wooten, M. F., Bivins, and Nicholas, assignors.)
- Richmond Equipment Supplies, Incorporated. (See Long, Raymond V., assignor.)
- Richmond, Everett E. (See Baldwin, A. S., and Richmond.)
- Richmond Fireproof Door Company. (See Coates, Frederick, assignor.)
- Richmond, Harold, London, England, assignor to Radio Corporation of America. Wireless telegraphy. 1,654,753; Jan. 3.
- Richmond, Joseph F., Fort Leavenworth, Kans. Humidifier. 1,662,938; Mar. 20.
- Richmond Lace Works, Inc. (See Parsons, Winslow A., assignor.)
- Richmond, Leon H., Fort H. G. Wright, N. Y. Sound-detection training device. 1,656,533; Jan. 17.
- Richmond, Rexford B., and R. H. Dodd, Stockton, Calif. Auto top socket bow puller. 1,662,538; Mar. 13.
- Richmond, Vincent C., Harrow-on-the-Hill, and G. H. Scott, Purley, England. Construction of rigid airships. 1,656,830; Jan. 17.
- Richmond, Vincent C., and F. M. Rope, Cardington, England. Construction of airships. 1,683,490; Sept. 4.
- Richmond, Vincent C., and G. H. Scott, Cardington, England. Airship. 1,690,878; Nov. 6.
- Richsto Manufacturing Co. (See Richards, Charles H., assignor.)

- Richter, Alfred, Doberitz, near Berlin, Germany, assignor to A.-G. für Handels- und Industriewerte Glarus, Glarus, Switzerland. Absorption refrigerating apparatus. 1,685,340; Sept. 25.
- Richter, Arthur, Bergisdorf, Erzgebirge, Germany. Device on cotton frames for the production of bodily thickenings of patterns. 1,663,387; Mar. 20.
- Richter, Charles H., Trinidad, Colo. Receipt recorder. 1,662,034; Mar. 6.
- Richter, Charles M. (See Pacini, August J., assignor.)
- Richter, David A. G., Maschinenfabrik, Tüllweberei. (See Kaufmann, Christian F., assignor.)
- Richter, Frank, Union, N. J. Tailboard and tailboard mounting for trucks and the like. 1,695,609; Dec. 18.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Production of high alphacellulose fiber. 1,654,603; Jan. 3.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Production of high-alpha-cellulose fiber. 1,678,230; July 24.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Rayon manufacture. 1,678,354; July 24.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Recovery of waste gases in the production of sulphite pulp. 1,683,628; Sept. 11.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Recovering sulphur dioxide from waste gases. 1,685,754; Sept. 25.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Cyclic process for the manufacture of kraft pulp. 1,689,534; Oct. 30.
- Richter, George A., assignor to Brown Company, Berlin, N. H. Making raw calcium-bisulphite digesting liquor. 1,694,231; Dec. 4.
- Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Chemically treating and washing pulp. 1,683,262; Sept. 4.
- Richter, George A., W. B. Van Arsdel, and J. G. Gosselink, assignors to Brown Company, Berlin, N. H. Treating wood. 1,680,529; Aug. 14.
- Richter, Hans, Behringersdorf, near Nuremberg, Germany, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Closed electric machine. 1,657,900; Jan. 31.
- Richter, Hans, Behringersdorf, near Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Slip-ring assembly with short-circuiting contact. 1,695,859; Dec. 18.
- Richter, Henry G., Roselle Park, N. J., assignor to Electrad, Inc., New York, N. Y. Resistance unit and rheostat. 1,676,869; July 10.
- Richter, Jaroslav, and E. Ježek, Holice, Czechoslovakia. Sole for a shoe. Des. 77,029; Nov. 27.
- Richter, John, Stratford, N. J. Fireplace. 1,670,212; May 15.
- Richter, Max, assignor to Textile Machine Works, Wyomissing, Pa. Tension-take-up device for knitting machines. 1,683,989; Sept. 11.
- Richter, Rudolf, Durlach, and W. Sarfert, Dresden, assignors to the firm of Sachsenwerk Licht- und Kraft-Aktiengesellschaft, Niedersiedlitz, near Dresden, Germany. Compensated alternate-current machine. 1,687,311; Oct. 9.
- Richter, William H. (See Kingsford, R. T., and Richter.)
- Richter, Wolfgang D., Philadelphia, Pa. Welt mechanism for full-fashioned-knitting machines. 1,683,698; Sept. 11.
- Richter, Wolfgang D., Philadelphia, assignor to Wildman Mfg. Co., Norristown, Pa. Full-fashioning hosiery machine. 1,671,165; May 29.
- Richter, Wolfgang D., Philadelphia, assignor to Wildman Mfg. Co., Norristown, Pa. Full-fashioning-hosiery machine. 1,692,279; Nov. 20.
- Rick, Edward L., Los Angeles, assignor to Dunn Manufacturing Company, Oxnard, Calif. Elevator. 1,670,043; May 15.
- Rick, Herbert R., Kent, Ohio. Grave vault. 1,666,148; Apr. 17.
- Ricke, George H., Cincinnati, Ohio. Spark plug. 1,686,395; Oct. 2.
- Rickelmann, Gustav, Haledon, N. J. Aeroplane. 1,693,159; Nov. 27.
- Ricker, Chester S., Indianapolis, Ind. Vaporizing manifold. 1,659,373; Feb. 14.
- Ricker, Jerome B., C. A. Person, Enterprise, and E. P. and H. W. Armstrong, Portland, Oreg. Saw-brazing clamp. 1,687,696; Oct. 16.
- Rickersberg Brass Company, The. (See Rickersberg, Emanuel, assignor.)
- Rickersberg, Emanuel, assignor to The Rickersberg Brass Company, Cleveland, Ohio. Attachment for plumbing fixtures. 1,655,799; Jan. 10.
- Ricketts, John B. (See Hornbostel, Adolph H. C., assignor.)
- Rickey, Charles E., assignor to The Excelsior Shoe Company, Portsmouth, Ohio. Protected seam for shoes. 1,670,008; May 15.
- Rickey, Loren W., assignor of one-half to W. O. Kerrick, Santa Cruz, Calif. Drying-frame support. 1,690,453; Nov. 6.
- Rickles, Samuel, Seattle, Wash. Coffee-sack holder. 1,681,786; Aug. 21.
- Ricks, Fred. (See Gouldbourn, J., and Ricks.)
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe stiffener and method of making it. 1,681,257; Aug. 21.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for incorporating stiffeners in boots and shoes. 1,687,514; Oct. 16.
- Ricks, Fred, and A. E. Richards, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe-softening apparatus. 1,667,825; May 1.
- Ricks, Fred, and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in assembling uppers and insoles. 1,694,449; Dec. 11.
- Ricks, Fred, and J. Gouldbourn, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Assembling uppers and insoles. 1,694,450; Dec. 11.
- Ricks, Fred, and R. G. Reid, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for sewing bags. 1,695,718; Dec. 18.
- Ricks, Fred, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,690,433; Nov. 6.
- Rickwood, Rowland L. (See Schauer, O. E., and Rickwood.)
- Ric-Wil Company, The. (See Gottwald, Christian, assignor.)
- Riddell, Austin A., assignor to Fox Machine Company, Jackson, Mich. Multiple-spindle drilling-machine arm. 1,693,253; Nov. 27.
- Riddell, John T., Evanston, Ill. Cleat for athletic shoes. 1,659,665; Feb. 21.
- Riddell, John T., Evanston, Ill. Athletic-shoe construction. 1,659,666; Feb. 21.
- Riddell, John T., Evanston, Ill. Fluid-seal air valve. 1,672,905; June 12.
- Riddell, John T., Evanston, Ill. Apparatus for making inflatable ball covers. 1,691,671; Nov. 13.
- Riddell, John T., Evanston, Ill. Forming inflatable-ball covers. 1,691,672; Nov. 13.
- Riddell, W. A. (See Brown, Davis, assignor.)
- Riddell, W. A., Company. (See Stuckey, Robert B., assignor.)
- Riddell, William A., Frederick, Md. Separating or classifying machine. 1,661,501; Mar. 6.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 1,663,178; Mar. 20.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter casing. 1,683,303; Sept. 4.
- Riddell, William A., assignor to The Frederick Iron & Steel Company, Frederick, Md. Separating or classifying machine. 1,683,918; Sept. 11.
- Ridder, Thomas A., Wollaston, Mass. Radiator. 1,686,396; Oct. 2.
- Ridderstrom, Andrew R., Nahant, assignor to Beacon Folding Machine Company, Lynn, Mass. Skiving machine. 1,690,595; Nov. 6.
- Ridderstrom, Andrew R., Nahant, assignor to Beacon Folding Machine Company, Lynn, Mass. Folding method and article produced thereby. 1,694,796; Dec. 11.
- Riddle, Daniel W., Maywood, Calif. Depth gauge for road tools. 1,674,840; June 26.
- Riddle, Edward N., Company, The. (See Crowell, Frank S., assignor.)
- Riddle, Frank H., assignor, by mesne assignments, to Champion Porcelain Company, Detroit, Mich. Refractory ware. 1,682,249; Aug. 28.
- Riddle, Frank H., assignor to Champion Porcelain Company, Detroit, Mich. Ceramic material. 1,682,250; Aug. 28.
- Riddle, Frank H., assignor to Champion Porcelain Company, Detroit, Mich. Ceramic material. 1,682,251; Aug. 28.
- Riddle, George W., Chillicothe, Mo. Hose clamp. 1,678,915; July 31.
- Riddle, John, assignor to Telegraph Construction and Maintenance Company, Limited, London, England. Telegraph transmitter. 1,670,986; May 22.
- Riddle, Kenneth M., assignor of one-half to R. C. Mills, Tulsa, Okla. Bag holders. 1,695,027; Dec. 11.
- Rideau, Sidney J., New Orleans, La. License-display device for automobiles. 1,685,558; Sept. 25.
- Rider, Douglas. (See Duckham, A. M., Rider, and Watts.)
- Rider, Douglas, assignor to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Dehydration and distillation of tars or oils. 1,685,034; Sept. 18.
- Rider, Granville S., New York, assignor to Lock-Stub Check Company, Incorporated, Brooklyn, N. Y. Check-dispensing machine. 1,654,834; Jan. 3.
- Rider, Granville S., Lynbrook, assignor to Lock-Stub Check Company, Inc., Brooklyn, N. Y. Check-dispensing machine. 1,657,901; Jan. 31.
- Rider, Herbert E., Lynbrook, N. Y., assignor to Beaver Machine & Tool Co. Inc., Newark, N. J. Thermostat. 1,694,928; Dec. 11.
- Rider, Rowland W., Salt Lake City, Utah, assignor to Utah Royalty Corporation. Tire-deflation signal device. 1,694,232; Dec. 4.

- Ridge, Leonard C., Toronto, Ontario, Canada. Filing apparatus. 1,658,689; Feb. 7.
- Ridgely, Florence C., Detroit, Mich. Storage-battery device. 1,661,854; Mar. 6.
- Ridgely Heater Company. (See Ridgely, William W., assignor.)
- Ridgely Trimmer Company, The. (See Galvin, Charles E., assignor.)
- Ridgely, William V., Syracuse, N. Y., assignor, by mesne assignments, to Ridgely Heater Company, Scranton, Pa. Heater. 1,674,063; June 19.
- Ridgely, William W., Syracuse, N. Y., assignor, by mesne assignments, to Ridgely Heater Company, Scranton, Pa. Heater. 1,696,454; Dec. 25.
- Ridgeway, Ralph H., Springfield, Mass. Tie holder. 1,665,477; Apr. 10.
- Ridgway, Alfred O., and A. Fralick, Los Angeles, Calif. Combined container and toy stage. 1,662,899; Mar. 20.
- Ridgway, Carl E., Seattle, Wash. Display device. 1,683,098; Sept. 4.
- Ridgway, Edward J., Hempstead, assignor to Meakin & Ridgway, Inc., New York, N. Y. Covered dish or similar article. Des. 76,890; Nov. 13.
- Ridgway, Herbert N., Winthrop, Mass. Amusement apparatus. 1,665,981; Apr. 10.
- Ridgway, Lat, Canon, Ga. Pantograph. 1,684,887; Sept. 18.
- Ridler, Edward L., St. Paul, Minn. Floor and ceiling plate. Re17,056; July 31.
- Ridley, Grahame B., San Francisco, Calif. Clutch. 1,686,989; Oct. 9.
- Ridley, Grahame B., San Francisco, assignor to Bean Spray Pump Co., San Jose, Calif. Fruit washer. 1,674,064; June 19.
- Ridley, Grahame B., San Francisco, assignor to Bean Spray Pump Co., San Jose, Calif. Fruit drier. 1,674,414; June 19.
- Riebe, Carl, Dresden-Neustadt, Germany. Device for producing confectionery containing an aromatic liquid. 1,682,146; Aug. 28.
- Rieber, Frank, Berkeley, Calif., assignor, by mesne assignments, to Precision Tank Gauge Company. Liquid gauge. 1,664,265; Mar. 27.
- Riecke, Ernst, Charlottenburg, Germany, assignor to General Electric Company. Electric rolling-mill drive with Leonard control. 1,667,678; Apr. 24.
- Riedel Fertilizing Process Co. (See Riedel, Friedrich, assignor.)
- Riedel, Friedrich, Essen, Germany, assignor to Riedel Fertilizing Process Co., Inc., Elizabeth, N. J. Apparatus for utilizing impure gases or exhaust gases containing carbon dioxide. 1,687,229; Oct. 9.
- Rieder, Frank, Huntington Park, Calif. Movable platform for unloading stock. 1,679,945; Aug. 7.
- Riederer, Herman S. (See Paulson, A., and Riederer.)
- Riederer, Herman S., and A. Paulson; said Paulson assignor to Christean Iverson, Inc., New York, N. Y. Filing device. 1,692,865; Nov. 27.
- Riefenstahl, Gustav, Berlin-Treptow, assignor to Deutsche Gold- und Silberscheideanstalt, Frankfurt-on-the-Main, Germany. Protective sheath for flexible shafts. 1,684,554; Sept. 18.
- Riegel, George F., assignor to Pinaud Incorporated, New York, N. Y. Carton. Des. 76,634; Oct. 16.
- Rieger, Clara, Reutlingen, Germany. Combined walking stick and tripod. 1,679,267; July 31.
- Rieger, Leonz, assignor to the firm Luftschiffbau Zepplin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Shaft coupling. 1,665,895; Apr. 10.
- Rieger, Nelson M., Dayton, Ohio. Collapsible boat. 1,687,387; Oct. 9.
- Rieger, Otto P., Erie, assignor to The George P. Pilling & Son Company, Philadelphia, Pa. Stethoscope. 1,671,936; May 29.
- Riegger, Paul, Baden, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen-on-the-Main, Germany. Fare indicator. 1,673,375; June 12.
- Riegger, Paul, Villingen, Baden, assignor to Kienzle Uhrenfabriken Aktiengesellschaft, Schwenningen-on-the-neckar, Germany. Fare indicator. 1,678,480; July 24.
- Riegler, Charles P., Milwaukee, Wis. Spare-tire carrier and rim spreader. 1,682,147; Aug. 28.
- Riehl, Henri V., Versailles, France. Injector or aspirator. 1,661,960; Mar. 6.
- Rieble Bros. Testing Machine Co. (See Tretch, W. J., and Buckingham, assignors.)
- Riehni, Wilhelm, assignor to the firm: Maschinenfabrik-Augsburg-Nürnberg Aktiengesellschaft, Augsburg, Germany. Internal-combustion engine with fuel injected sidewise. 1,679,743; Aug. 7.
- Riek, Rudolph A., Rhinelander, Wis. Shield for refrigerating units. 1,683,919; Sept. 11.
- Riek, Rudolph A., Rhinelander, Wis. Refrigerator lining and method of making. 1,684,145; Sept. 11.
- Rieko, Sidney C., Minneapolis, Minn. Dental casting machine. 1,669,574; May 15.
- Riemvis, Wilhelm F., Sockabehmi, Java, Dutch East Indies. Automobile brandcar. 1,693,496; Nov. 27.
- Rionks, George W., Denver, Colo. Loading apparatus. 1,656,501; Jan. 17.
- Ries, Edmond M. (See Young, C. F., and Ries.)
- Ries, Frederick, Compton, Calif. Explosive package and carrier. 1,664,899; Apr. 3.
- Ries, Herbert C., and L. Whymys, Fond du Lac, Wis. Air bag. 1,672,955; June 12.
- Ries, Oscar M., Toledo, Ohio. Basin mounting. 1,688,987; Oct. 23.
- Rieser, Oliver O., Forest Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Battery box. Des. 75,446; June 5.
- Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Mechanism for making battery-box handles. 1,680,954; Aug. 14.
- Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Oil pump. 1,669,306; May 8.
- Riess, Frank, Indianapolis, assignor to Riess Manufacturing Company, Kokomo, Ind. Combined metal-working machine. 1,662,013; Mar. 6.
- Riess, Frank, Indianapolis, assignor to Riess Manufacturing Company, Kokomo, Ind. Combined metal-working machine. 1,662,014; Mar. 6.
- Riess Manufacturing Company. (See Riess, Frank, assignor.)
- Rieszy, Ivan, Weissenfels, Germany. Pulling-over machine. 1,688,556; Oct. 23.
- Rieter, Gustave T., Cedarburg, Wis. Ironing board. 1,659,280; Feb. 14.
- Rietveld, Gideon, Knoxville, Iowa. Match-box holder. 1,663,861; Mar. 27.
- Rietveld, Gideon, Knoxville, Iowa. Mail box. 1,663,862; Mar. 27.
- Rietz, Walter H. (See Weaver, L. C., and Rietz.)
- Rietzschel, A. Hch., G. m. b. H. (See Ziegler, Gustav, assignor.)
- Rifé, Antonio C., Barcelona, Spain. Shedding mechanism. 1,676,870; July 10.
- Riffolt, Nils A. (See Goddard, R. H., and Riffolt.)
- Rifkin, Jacob, Wilkes-Barre, Pa. Union garment. 1,667,220; Apr. 24.
- Riggin, Henry H., Altoona, Pa. Faucet or bibcock. 1,670,691; May 22.
- Riggs, Ashley M., Harrisburg, Pa. Rotary internal-combustion engine. 1,674,449; June 19.
- Righter, Oliver G., assignor to La Resistia Corset Co., Bridgeport, Conn. Corset. 1,674,300; June 19.
- Rightmire, William T., Montour Falls, N. Y. Rail tie and fastening. 1,672,424; June 5.
- Rigney, Anne V., and E. M. Burke, Providence, R. I. Garment. 1,659,281; Feb. 14.
- Rigney, Tom A., Laurel, Mont. Shock absorber. 1,679,268; July 31.
- Rigo, Jorge, Habana, Cuba. Lock. 1,687,388; Oct. 9.
- Rigolage, Maurice J. J., assignor to Société d'Eugies Graisseurs, Paris, France. Construction of automatic clutches provided with a centrifugal mass. 1,692,703; Nov. 20.
- Riha, Don. (See Riha, Frank J.)
- Riha, Frank J., known as Don Riha, Chicago, Ill. Artificial tree. Des. 77,030; Nov. 27.
- Rijns, Jacobus W., Heerlen, Netherlands. Pipe joint. 1,658,100; Feb. 7.
- Rike, Theodore R. (See Keiser, C. R., and Rike.)
- Riker, Andrew L., Fairfield, Conn. Ventilator. 1,655,073; Jan. 3.
- Riker, Andrew L., Fairfield, Conn. Ventilator. 1,666,218; Apr. 17.
- Riker, Andrew L., Fairfield, Conn. Windshield. 1,675,909; July 3.
- Riker, Andrew L., Fairfield, Conn. Tool for drawing tubular bosses. 1,675,910; July 3.
- Riland, George G., Mifflinburg, Pa. Harness attachment. 1,668,468; May 1.
- Rile, Frederick C., Chicago, Ill. Cuff button or similar article. Des. 75,807; July 17.
- Rile, Frederick C., Chicago, Ill. Cuff button or the like. Des. 76,891; Nov. 13.
- Rile, Frederick C., Chicago, Ill. Cuff button or the like. Des. 76,892; Nov. 13.
- Rile, Frederick C., Chicago, Ill. Fastening device. 1,696,284; Dec. 25.
- Rile, Frederick C., Chicago, Ill. Fastening device. 1,696,285; Dec. 25.
- Riley, Champlain L., North Plainfield, N. J., assignor to Industrial Associates, Incorporated, New York, N. Y. Nebulizer. 1,676,113; July 3.
- Riley, Daniel E., Detroit, Mich. Attaching light bulbs to reflectors. 1,688,598; Oct. 23.
- Riley, Jefferson, West Durham, N. C. Siphon. 1,668,419; May 1.
- Riley, John P., Philadelphia, Pa. Advertising display fixture. Des. 77,026; Nov. 27.
- Riley, John, & Sons Limited. (See Bentley, William H., assignor.)
- Riley, Lynn G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pneumatic reversing switch. 1,680,393; Aug. 14.
- Riley, Lynn G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,686,033; Oct. 2.
- Riley, Otis C., P. W. Joel, Los Angeles, and C. R. Poar, Glendale, Calif. Self-carbonating apparatus. 1,674,993; June 26.
- Riley, Robert S., assignor to Riley Stoker Corporation, Worcester, Mass. Refractory furnace grate. 1,669,175; May 8.
- Riley Stoker Corporation. (See Beers, Royce L., assignor.)
- Riley Stoker Corporation. (See Butt, Howard, assignor.)
- Riley Stoker Corporation. (See Craig, Ollison, assignor.)

- Riley Stoker Corporation. (See Grahame, Dallas F., assignor.)
- Riley Stoker Corporation. (See Howse, Curtis L., assignor.)
- Riley Stoker Company. (See Mildon, Reginald B., assignor.)
- Riley Stoker Corporation. (See Riley, Robert S., assignor.)
- Riley, Thomas H., Skaneateles Falls, N. Y., and A. H. Flint, assignors to Johnson & Bassett, Inc., Worcester, Mass. Bunch builder for spinning mules. 1,695,028; Dec. 11.
- Rimalho, Emile, assignor to Compagnie des Forges & Acleries de la Marine & d'Homecourt, Paris, France. Arrangement providing for the aiming of an artillery carriage in all directions. 1,665,176; Apr. 3.
- Rimel, Owen L., Harrisburg, Pa. Knitting machine. 1,658,791; Oct. 23.
- Rimeur, Georges J. C., La Garenne-Colombes, assignor of one-half to Anciens Etablissements A. Savy, Jean-Jean & Cie., Courbevoie, France, and one-half to Baker Perkins Limited, London, England. Sorting device for machines for the manufacture of wafers and like articles. 1,657,036; Jan. 24.
- Rimmer, Gilbert, London, England, assignor to Sullivan Machinery Company, Chicago, Ill. Mining machine. 1,662,800; Mar. 13.
- Rimpler, Julius, Hoboken, N. J. Garment. 1,678,081; July 24.
- Rinaldo, Charles, Syracuse, N. Y. Cutting device. 1,658,418; Feb. 7.
- Rinck, Franklin B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Treatment of ferrous metals to produce a protective coating thereon. 1,690,378; Nov. 6.
- Rindsberg, Harry D., assignor to H. J. Hater, Cincinnati, Ohio. Mold. 1,696,690; Dec. 25.
- Rinehart, Charles A. (See Hooppaw, O. W., and Rinehart.)
- Ring, Carl R., Iron Mountain, Mich. Coaster. 1,672,782; June 5.
- Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary machine. 1,656,017; Jan. 10.
- Ring, Joseph J., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor. 1,685,756; Sept. 25.
- Ring, Joseph J., Milwaukee, and C. Schindler, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system for prime movers. 1,685,755; Sept. 25.
- Ring, Paul, Detroit, Mich. Headlight attachment. 1,667,949; May 1.
- Ring Pneumatic Tool Company. (See Butler, J. M., and Torson, assignors.)
- Ring, William A. (See Laddon, I. M., Ring, and Herman.)
- Ringe, John C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 1,685,436; Sept. 25.
- Ringel, Charles, North Hawthorne, N. J., assignor to The Superheater Company, New York, N. Y. Throttle valve. 1,689,299; Oct. 30.
- Ringel, Edwin, Alma, Kans. Land roller. 1,687,389; Oct. 9.
- Ringel, Elmer C., Alma, Kans. Adjusting device for fan blades. 1,689,083; Oct. 23.
- Ringenberg, Rudolph, assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,669,842; May 15.
- Ringer, Soren, Oak Park, Ill., assignor to Ringer-Worcester Company, Worcester, Mass. Metal receptacle. 1,664,431; Apr. 3.
- Ringer, Soren, assignor to Ringer-Worcester Company, Worcester, Mass. Metal receptacle. 1,694,487; Dec. 11.
- Ringer-Worcester Company. (See Ringer, Soren, assignor.)
- Ringers, Dirk, Long Beach, Calif. Headlight attachment. 1,687,144; Oct. 9.
- Ringier & Co. Verlagsanstalt & Vereinigte Buch- & Steindruckereien. (See Fuchs, Friederich, assignor.)
- Ringler, William A., Philadelphia, Pa. Loose-leaf binder. 1,658,419; Feb. 7.
- Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Co. Visible index. 1,662,537; Mar. 13.
- Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Co. Index-element carrier. 1,662,900; Mar. 20.
- Ringler, William A., Philadelphia, Pa., assignor to The Globe Wernicke Co. Visible index. 1,668,733; May 8.
- Ringler, William A., Philadelphia, assignor to The Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing carton and paper cup therefor. 1,682,350; Aug. 28.
- Ringler, William A., Philadelphia, Pa., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Visible index-card system. 1,684,807; Sept. 18.
- Ringler, William A., Philadelphia, Pa., assignor to Globe-Wernicke Company, Cincinnati, Ohio. Visible index-card system. 1,695,698; Dec. 18.
- Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Co. Record-sheet holder and sheets therefor. 1,695,699; Dec. 18.
- Rings, Fred, Chicago, Ill. Toothpick holder. 1,676,747; July 10.
- Ringstod, Svend, Philadelphia, Pa. Spring wheel. 1,672,090; June 5.
- Ringwald, Clarence, assignor of one-half to C. H. Caine, Chicago, Ill. Thermostatic control for generators. 1,664,089; Mar. 27.
- Rinkier, Adolph, Los Angeles, Calif. Signal-lamp casing. Des. 75,189; May 15.
- Rinkenbach, William H., Dover, N. J., assignor of one-half to W. O. Snelling, Allentown, Pa. Diethylene glycol dinitrate and preparing same. 1,686,344; Oct. 2.
- Riordan, John M., East Cleveland, assignor to The Cleveland Hardware Company, Cleveland, Ohio. Profiling attachment for machine tools. 1,678,651; July 31.
- Rioseco, Pedro, New York, N. Y. Locking safety pin. 1,679,229; July 31.
- Rip Van Winkle Wall Bed Company. (See Sinclair, Neil, assignor.)
- Ripaults, Limited. (See Bancroft, Frank E., assignor.)
- Ripken, Hugo F., assignor of one-half to C. A. McCulloch, Minneapolis, Minn. Oil pump for steam engines. 1,681,787; Aug. 21.
- Ripley, Charles T., assignor to S. & T. Metal Company, Chicago, Ill. Journal bearing. 1,662,901; Mar. 20.
- Ripley, Charles T., assignor to S. & T. Metal Company, Chicago, Ill. Railway journal bearing. 1,684,146; Sept. 11.
- Ripley, David W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Feed-control mechanism. 1,657,037; Jan. 24.
- Ripley, David W., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Scale-hopper bottom. 1,680,570; Aug. 14.
- Ripley, Jasper N. (See De Zonia, Robert E., assignor.)
- Ripper, Kurt, assignor to F. Pollak, Vienna, Austria. Manufacturing urea-formaldehyde condensation products. 1,687,312; Oct. 9.
- Rippingille, Edward V., Detroit, Mich., assignor to Delco-Remy Corporation, Dayton, Ohio. Dual ignition for 2-cylinder engines. 1,676,503; July 10.
- Rippl, Charles H., East Cleveland, assignor to The Clark Controller Company, Cleveland, Ohio. Alternating-current magnet. 1,661,345; Mar. 6.
- Rippon, Francis F. C., New York, N. Y. Selector. 1,683,491; Sept. 4.
- Risch, Joseph J. (See Corrie, David A., assignor.)
- Risch, Oskar, Jena, Germany, assignor to Clay-Adams Co., Inc., New York, N. Y. Hemacytometer counting chamber. 1,693,961; Dec. 4.
- Risdon Manufacturing Company, The. (See Peterson, Gunnard P., assignor.)
- Riser, Charles, et al. (See Tuñez, Amable S., assignor.)
- Riser, Sarah, Philadelphia, Pa. Necktie. Des. 75,874; July 24.
- Risinger, Frank V., Lakewood, Ohio. Gas burner. 1,682,148; Aug. 28.
- Risley, Inez E., Los Angeles, Calif. Fit-easy facing for hats. 1,676,504; July 10.
- Risser, Arthur I., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Straight-line bottle-capping machine. 1,673,091; June 12.
- Risser, Ross E., assignor to Catron Manufacturing Company, Bonham, Tex. Unit-measuring liquid dispenser. 1,662,338; Mar. 13.
- Risser, Ross E., assignor to Southwest Pump Company, Bonham, Tex. Sign. 1,669,782; May 15.
- Rissinger, Thomas T., Compton, Calif. Curling instrument. 1,665,327; Apr. 10.
- Ritcheson, Guy O. (See Harr, F. D., and Fallon, assignor.)
- Ritchey, Harry G., assignor to Simplex Automotive Products Company, Chicago, Ill. Vacuum tank. 1,662,282; Mar. 13.
- Ritchie, Robert G. P., Niagara Falls, Ontario, Canada. Tool for air brakes. 1,659,006; Feb. 14.
- Ritchie, Robert H. (See Ritchie, Thomas and R. H.)
- Ritchie, Thomas and R. H., Oskaloosa, Iowa. Hydrant. 1,693,095; Nov. 27.
- Riter-Conley Manufacturing Company. (See Hill, Harold O., assignor.)
- Ritholz, Benjamin D., assignor to National Watch & Jewelry Co., Chicago, Ill. Eye tester. 1,684,555; Sept. 18.
- Ritschard, Victor, Riverton, N. J., assignor to Keystone Watch Case Corporation, Philadelphia, Pa. Watchcase. Des. 75,931; July 31.
- Ritsert, Eduard, Frankfort-on-the-Main, Germany. Amino aromatic esters for use as anesthetics and making same. 1,692,224; Nov. 20.
- Ritson, Cuthbert, Blyth, England. Cargo vessel. 1,661,855; Mar. 6.
- Rittenhouse, Arthur E., Honeoye Falls, N. Y. Combined transformer and conduit-box cover. Re17,171; Dec. 25.
- Rittenhouse, Arthur E., Honeoye Falls, N. Y. Combined transformer and conduit-box cover. 1,661,268; Mar. 6.
- Rittenhouse, Paul L., Chicago, Ill. Display card. 1,689,155; Oct. 23.
- Ritter, Adolph L., Sifton, Wash. Cultivator and weeder. 1,682,538; Aug. 28.
- Ritter Dental Mfg. Company. (See May, Adam J., assignor.)
- Ritter Dental Manufacturing Company. (See Wilford, Edward B., assignor.)
- Ritter, Eugene, Monroe, La. Combination gas and oil burner. 1,687,390; Oct. 9.

- Ritter, Frank M., assignor of three-fourths to J. V. Hutchins, Washington, D. C. Lawn-mower attachment. 1,677,250; July 17.
- Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Strip shingle. 1,659,575; Feb. 21.
- Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Apparatus for heating sheet material in preparation for folding. 1,677,492; July 17.
- Ritter, George T., Burley, Idaho. Spoon holder. 1,687,795; Oct. 16.
- Ritter, Herbert G., assignor to Waukesha Motor Company, Waukesha, Wis. Bearing-bolt structure. 1,664,944; Apr. 3.
- Ritter, Ira E., Kalamazoo, Mich. Valve-spring-compressing device. 1,695,610; Dec. 18.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Drawer support. 1,657,519; Jan. 31.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Clamping lock. 1,664,432; Apr. 3.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Double-cushion trunk. 1,672,906; June 12.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Combined top and front-door lock. 1,675,425; July 3.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Trunk construction. 1,681,365; Aug. 21.
- Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Trunk. 1,682,186; Aug. 28.
- Ritter, Julius, jr., and M. Rasmussen, assignors to Hartmann Trunk Company, Racine, Wis. Trunk lock. 1,665,379; Apr. 10.
- Ritter, Paul A., assignor to McIntosh & Seymour Corporation, Auburn, N. Y. Unloader device for compressors. 1,655,163; Jan. 3.
- Ritter, Saul, New York, assignor to S. Bruner, Far Rockaway, N. Y. Display case. Des. 74,761; Mar. 20.
- Ritterath, Max J., Los Angeles, Calif. Lamp. 1,658,309; Feb. 7.
- Rittman, John W., J. Rood, and W. Driver, assignors to Bell City Electric Company, Racine, Wis. Drink heater. Re16,908; Mar. 20.
- Ritz Woller, Oliver C. (See Cameron, Allan A., assignor.)
- Ritz Woller, Oliver C., Chicago, Ill. Ornament for automobile radiator cap or similar article. Des. 76,635; Oct. 16.
- Ritz Woller, Oliver C., Chicago, Ill. Automobile lamp. 1,656,648; Jan. 17.
- Ritz Woller, Oliver C., Chicago, Ill. Step plate. 1,675,665; July 3.
- Ritz Woller, Oliver C., Chicago, Ill. Step plate. 1,675,682; July 3.
- Ritz Woller, Oliver C., Chicago, Ill. Warning light. 1,682,948; Sept. 4.
- Ritz Woller, Oliver C., Chicago, Ill. Automobile step plate. 1,684,613; Sept. 18.
- Riva, Secondo, and M. Pron, Turin, Italy. Stranding machine for the rapid manufacturing of strands of textile fibers or wires either alone or coupled together. 1,660,049; Feb. 21.
- Rivanov, Felix, Chicago, Ill., assignor to The Anderson Company, Gary, Ind. Radiator-cap ornament. Des. 76,893; Nov. 13.
- Rivanov, Felix, Chicago, Ill., assignor to The Anderson Company, Gary, Ind. Radiator-cap ornament. Des. 77,121; Dec. 4.
- Rivanov, Felix, Chicago, Ill., assignor to The Anderson Company, Gary, Ind. Radiator cap ornament. Des. 77,122; Dec. 4.
- Rivard, Joseph F., Detroit, Mich. Combined rear and side view mirror for automobiles. Des. 74,625; Mar. 6.
- Rivers, Durward S. (See McHugh, C. J., and Rivers.)
- Rivers, Henry J., Attleboro, Mass. Safety clasp for watch chains. 1,688,506; Oct. 23.
- Rivers, Philip J., New Rochelle, N. Y. Wheel-rim-contracting device. 1,654,754; Jan. 3.
- Riverside Sheet Metal Works. (See Button, William S., assignor.)
- Rivet, André, deceased; H. Rivet, legal representative, Paris, France; said H. Rivet, heir, assignor to General Electric Company. Circuits for space-current devices. 1,674,733; June 5.
- Rivet, Henri, legal representative. (See Rivet, André.)
- Rix, Carl, Emden, East Friesland, Germany. Rotary pump. 1,655,339; Jan. 3.
- Rix, Edward A., Oakland, Calif. Fluid compressor. 1,677,369; July 17.
- Rizzi, Vito, Windsor Locks, Conn. Automobile radiator ornament or similar article. Des. 77,185; Dec. 11.
- Rizzuto, Samuel E. (See Beck, August R., assignor.)
- Roach-Appleton Manufacturing Company. (See Appleton, E. G., Fischer, and Mooney, assignors.)
- Roach, Charles A. (See McKee, M., and Roach.)
- Roach, David J. (See Roach, William E., and D. J.)
- Roach, Finis D., Chicago, Ill. Coupling for conduits. 1,684,516; Sept. 18.
- Roach, Harry C., St. Louis, Mo. Structure having coincidence of normally eccentric axes of force and mass. 1,663,281; Mar. 20.
- Roach, Jesse G., Los Angeles, Calif. Simplified hydraulic brake. 1,655,844; Jan. 10.
- Roach, William E., and D. J. Roach, Owego, N. Y. Arm rest. 1,691,613; Nov. 13.
- Roadless Traction Limited. (See Firth, Edward L., assignor.)
- Roadless Traction, Limited. (See Lamb, Frederick B., assignor.)
- Roadless Traction, Limited. (See Penn, Oscar S., assignor.)
- Roath, Ernest D., near Pasadena, Calif. Wheel attachment for vehicles. 1,654,755; Jan. 3.
- Robadey-Margot, Louise, Geneva, Switzerland. Hair-waving tongs. 1,676,405; July 10.
- Robb, A. L., et al. (See Le Bus, John E., assignor.)
- Robb, John F., Cleveland Heights, Ohio. Railroad-ballast-removing machine. 1,687,313; Oct. 9.
- Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Compulsory synchronization control for pavers. 1,660,301; Feb. 21.
- Robb, John F., Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis. Cement loading, controlling, measuring, and counting apparatus for concrete mixers. 1,665,565; Apr. 10.
- Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for looms. 1,689,688; Oct. 30.
- Robbins, Anna, administratrix. (See Robbins, James M.)
- Robbins, Azor D., assignor to International Motor Company, New York, N. Y. Drive for motor vehicles. 1,695,296; Dec. 18.
- Robbins, Elwin A., Nashua, N. H. Fruit-branding machine. 1,685,645; Sept. 25.
- Robbins, Frank. (See Johnson, Henry, assignor.)
- Robbins, James M., deceased, Camden Point, Mo.; A. Robbins, administratrix. Apparatus for distributing insecticides. 1,661,092; Feb. 28.
- Robbins, John E., Greensburg, Ind. Hay baler. 1,673,125; June 12.
- Robbins, Leroy V., Baton Rouge, La., assignor to Standard Oil Development Company. Apparatus for removing coke from stills. 1,666,865; Apr. 17.
- Robbins, Maurice, Boston, Mass. Collar. 1,691,856; Nov. 13.
- Robbins and Myers Company, The. (See Stuart, Harve R., assignor.)
- Robbins & Myers, Inc. (See Branson, Walter J., assignor.)
- Robbins, Percy A., Highland Park, Ill. Acoustic transformer. 1,672,472; June 5.
- Robbins, Percy A., Highland Park, Ill. Speedometer. 1,677,990; July 24.
- Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Scouring device. Des. 74,189; Jan. 3.
- Robe, Robert S. (See Graham, G. C., and Robe.)
- Robeck, Hermann, Berlin, Germany. Telephone electrically-driven sound box. 1,654,835; Jan. 3.
- Röber, Constantin F., assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co., Dresden, Germany. Driving the shafts of cigarette machines. 1,660,527; Feb. 28.
- Robertel, Gabriel, Vincennes, France. Distributor for slender articles of elongated shape. 1,686,255; Oct. 2.
- Roberson, Charles T. (See Samuel, G., and Roberson.)
- Roberson, Frank, Gary, Ind., assignor to General Electric Company. Circuit interrupter. 1,687,515; Oct. 16.
- Roberson, Israel F., Springfield, Ohio. Golf tee. 1,663,262; Mar. 20.
- Robert, Albert, Trentham, Stoke-upon-Trent, England, assignor to The Morgan Belleck China Company, Canton, Ohio. Plate or similar article. Des. 74,451; Feb. 14.
- Robert, Alexander C., Desdemona, Tex. Self-service store equipment. 1,664,945; Apr. 3.
- Roberti Bros. (See Lofman, Charles, assignor.)
- Roberti, Dario, Springfield, Mass. Combination lock. 1,661,680; Mar. 6.
- Roberts, Abraham M., Osgood, Ind. Circuit tester. 1,679,786; Aug. 7.
- Roberts, Albert J., Warren, Ohio. Telephone receiver. 1,678,271; July 24.
- Roberts, Anna H., Hamden, assignor to Strouse Adler & Co., New Haven, Conn. Evening-dress bodicette. 1,656,649; Jan. 17.
- Roberts, Belle M., Long Beach, Calif. Powder box. 1,671,379; May 29.
- Roberts, Carl W., Parsons, Kans. Clothes and fabric cleaning device. 1,696,414; Dec. 15.
- Roberts, Carroll J., et al. (See Williams, John F., assignor.)
- Roberts, Charles, New York, N. Y. Casing for a clothes-washing machine. Des. 76,048; Aug. 14.
- Roberts, Charles C., Bridgeport, Conn. Cigarette-delivery box. 1,678,355; July 24.
- Roberts, Charles W., Jr., Nyack, N. Y. Adjustable locking device for valves and the like. 1,684,745; Sept. 18.
- Roberts, Claudius H. M., El Dorado, Ark., assignor to Wm. S. Barnickel & Company, Webster Groves, Mo. Breaking petroleum emulsions. 1,659,999; Feb. 21.
- Roberts, Clement I., and B. F. Collier, Albion, said Collier assignor of one-eighth to T. A. Collier, Rockford, and one-eighth to J. F. Collier, Spokane, Wash. Subsoil cultivator. 1,661,305; Mar. 6.
- Roberts, Clifford, Reigate, England. Tread member for boots and shoes. 1,657,686; Jan. 31.

- Roberts, Clifford, Reigate, England. Heel for boots and shoes. 1,686,397; Oct. 2.
- Roberts, Edmund W., Cincinnati, Ohio. Toaster. 1,691,361; Nov. 13.
- Roberts, Elmer E., jr. (See Beuchat, Justin A., assignor.)
- Roberts, Eugene, Hastings-on-Hudson, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Driving mount for centrifugal machines. 1,673,204; June 12.
- Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Gyrotrary centrifugal. 1,680,257; Aug. 7.
- Roberts, Eugene, assignor to The Western States Machine Company, Salt Lake City, Utah. Brake for gyrotrary centrifugals. 1,684,368; Sept. 11.
- Roberts, F. H., Company. (See Freeman, Deane M., assignor.)
- Roberts, Flossie, executrix. (See Roberts, William C.)
- Roberts, Floyd E., Melbourne, Iowa. Windshield heater. 1,675,911; July 3.
- Roberts, Frank B., Eugene, Oreg. Boat. 1,657,180; Jan. 24.
- Roberts, Frank B., and W. G. Huntington, Anaheim, Calif. Sorting table. 1,677,656; July 17.
- Roberts, Fred T. (See Cigol, F. A., and Roberts.)
- Roberts, Fred T., Yonkers, assignor to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. Making rubber bladders. 1,668,782; May 8.
- Roberts, Fred T., Yonkers, and A. J. Eldon, Mount Vernon, assignors to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. Overshoe and making same. 1,691,253; Nov. 13.
- Roberts, George H., assignor to B. A. Ballou & Co., Inc., Providence, R. I. Clasp. 1,677,849; July 17.
- Roberts, George R. (See Maggio, Henry D., assignor.)
- Roberts, Gerald L. (See McAfee, A. M., and Roberts.)
- Roberts, Gladys M., St. Paul, Minn. Toe end. 1,692,225; Nov. 20.
- Roberts, Harold P. (See Hand, C. N., and Roberts.)
- Roberts, Henry T., assignor to The Bassick Manufacturing Company, Chicago, Ill. Valve. 1,671,609; May 29.
- Roberts, Henry T., assignor to Alemite Manufacturing Corporation, Chicago, Ill. Valve. 1,694,625; Dec. 11.
- Roberts, Henry T., assignor to Alemite Manufacturing Corporation, Chicago, Ill. Valve. 1,694,626; Dec. 11.
- Roberts, Jack A. (See Giles, I. F., and Roberts.)
- Roberts, James F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary machine. 1,656,018; Jan. 10.
- Roberts, James F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotor. 1,656,019; Jan. 10.
- Roberts, James H., St. Helens, Oreg. Saw-dressing device. 1,692,997; Nov. 27.
- Roberts, Jerome B., Parker, Ariz. Folding emergency tire. 1,669,176; May 8.
- Roberts, Joseph D., Springfield, Ill. Electric fuse. 1,678,481; July 24.
- Roberts, Lee S., New York, N. Y., assignor to The Q. R. S. Music Company, Chicago, Ill. Music roll. 1,670,380; May 22.
- Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Voltage-balance regulator. 1,696,415; Dec. 25.
- Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Voltage regulator. 1,696,416; Dec. 25.
- Roberts, Leland C., Towaco, N. J., assignor to American Telephone and Telegraph Company. Voltage regulator. 1,696,417; Dec. 25.
- Roberts, Louie A., assignor of one-third to H. J. McInnis, Jackson, Miss. Food preserver. 1,659,333; Feb. 14.
- Roberts, Louis G. (See Sommaripa, A., and Roberts.)
- Roberts, Marshal G. (See Diederich, P. E., and Roberts.)
- Roberts, Montague H. (See Tolman, R. C., De Baufre, Davis, and Roberts.)
- Roberts, Montague H., Jersey City, N. J., assignor to Air Reduction Company, Inc. Separation of gases from gaseous mixture. 1,693,052; Nov. 27.
- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company. Railway booster. 1,676,575; July 10.
- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Power reverse-gear mechanism. 1,675,576; July 3.
- Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Power reverse gear. 1,694,143; Dec. 4.
- Roberts, Montague H., Englewood, N. J., and M. T. Forker, assignors to Franklin Railway Supply Company, New York, N. Y. Locomotive booster. 1,686,710; Oct. 9.
- Roberts, Ralph S., assignor to Briggs Manufacturing Company, Detroit, Mich. Door handle. Des. 74,624; Mar. 6.
- Roberts, Richard J., San Francisco, Calif. Preheater for type and lead casting machines. 1,684,112; Sept. 11.
- Roberts, Samuel J., Scranton, Pa. Desk cover. 1,689,890; Oct. 30.
- Roberts and Schaefer Company. (See Miller, Richard G., assignor.)
- Roberts and Shaefer Company. (See Arms, Ray W., assignor.)
- Roberts, Theodore C., New York, N. Y., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y. Connector plug. 1,668,606; May 8.
- Roberts, Thomas, Haverhill, Mass. Shoe. Des. 76,355; Sept. 18.
- Roberts, William C., deceased, Duquoin, Ill.; F. Roberts, executrix. Stripping. 1,684,147; Sept. 11.
- Roberts, William F. (See Owen, S., and Roberts.)
- Roberts, William O., Houston, Tex. Trap. 1,657,644; Jan. 31.
- Roberts, William O., Houston, Tex., and R. J. Keays, San Francisco, Calif. Insect trap. 1,681,625; Aug. 21.
- Roberts, William T., and G. A. Pike, North Attleboro, Mass. Carrying case. 1,657,938; Jan. 31.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on blanks. 1,682,800; Sept. 4.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,688,436; Oct. 23.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,694,451; Dec. 11.
- Robertshaw, George A., Greensburg, Pa. Fusible safety device. 1,671,782; May 29.
- Robertshaw, James E., Bedford, Ohio, assignor to The American Steel and Wire Company of New Jersey. Apparatus for annealing. 1,682,801; Sept. 4.
- Robertson, Albert B. (See Young, C. L., and Robertson.)
- Robertson, Annie E., Coffeyville, Kans. Nether garment. 1,692,350; Nov. 20.
- Robertson, David T., New York, N. Y. Chair. 1,660,494; Feb. 28.
- Robertson-Davis Company. (See Davis, Dean W., assignors.)
- Robertson, Douglas, Nuriootpa, South Australia, Australia. Attachment of motor-vehicle road springs. 1,685,005; Sept. 18.
- Robertson, Edgar D. (See Lewis, C. B., and Robertson.)
- Robertson, H. H., Company. (See Jenkins, Reginald W., assignor.)
- Robertson, H. H., Company. (See Young, J. H., and Miller, assignors.)
- Robertson, Harry M., Rockville, Md., assignor to American Dressler Tunnell Kilns, Inc., New York, N. Y. Gas-producer conduit system. 1,680,340; Aug. 14.
- Robertson, Harry M., Cleveland, Ohio. Kiln. 1,683,807; Sept. 11.
- Robertson, John, Pasadena, Calif. Lawn-mower comb attachment. 1,662,785; Mar. 13.
- Robertson, John C., Annapolis, assignor to Locke Insulator Corporation, Baltimore, Md. Insulator-assembling jig. 1,677,294; July 17.
- Robertson, Martin J., assignor to American Elevator and Machine Co., Louisville, Ky. Interlock for elevators. 1,695,469; Dec. 18.
- Robertson, Richard V., Wauneta, Nebr. Potato-planting attachment for listers. 1,696,864; Dec. 25.
- Robertson, William E., Berkeley, Calif. Pipe-bending machine. 1,682,149; Aug. 28.
- Robertson, William E., Reading, Pa. High-speed transportation system. 1,685,035; Sept. 18.
- Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. 1,657,696; Jan. 31.
- Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,664,946; Apr. 3.
- Robertson, William H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,688,940; Oct. 23.
- Robertson, William J., Winnipeg, Manitoba, Canada. Sleigh. 1,683,846; Sept. 11.
- Robertson, William W. (See Soderberg, J. G., and Robertson.)
- Robertson, William W. (See Soderberg, J. G., Lockwood, and Robertson.)
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Wire motion for pile-wire looms. 1,668,126; May 1.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for Axminster looms. 1,695,388; Dec. 18.
- Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pile-cutting mechanism for double-fabric looms. 1,695,389; Dec. 18.
- Robeson, Georgean, Washta, Iowa. Insect destroyer. 1,669,913; May 15.
- Robeson, Jacob S., Pennington, N. J. Fuel briquette and making same. 1,667,358; Apr. 24.
- Robeson-Rochester Corporation. (See Rankin, William A., assignor.)
- Robeson-Rochester Corporation. (See Schott, Howard H., assignor.)
- Robey, Guy M. (See Smyth, C. D., and Robey.)
- Robichaud, Michael W., Seattle, Wash. Ornamental toy doll. 1,661,856; Mar. 6.
- Robichon, Georges H., Three Rivers, Quebec, Canada. Pull-over garment. 1,670,213; May 15.
- Robie, Frederick C., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper. 1,678,916; July 31.
- Robin, John N., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,682,935; Sept. 4.

- Robins, John N., assignor to Alemite Manufacturing Corporation, Chicago, Ill. Lubricating apparatus. 1,693,567; Nov. 27.
- Robin, Joseph T., Streatham, England. Method and apparatus for testing fragile articles. 1,672,077; June 5.
- Robin, Leo, Ixelles, and P. de Ponthiere, Woluwe, St. Lambert, Belgium. One-way driving mechanism. 1,663,922; Mar. 27.
- Robin, Philip T., Aspinwall, and W. M. Venable, Pittsburgh, Pa., assignors to Blaw-Knox Company. Lever-arm bucket. 1,686,176; Oct. 2.
- Robineau, Joseph F., assignor to The Dearborn Company, Chicago, Ill. Card table. 1,660,723; Feb. 28.
- Robinet, Georges, Paris, France. Container for dental impression outfits. 1,677,493; July 17.
- Robinson, Boris S. (See Boax, J. J., and Robinson.)
- Robins Conveying Belt Company. (See Dodge, Gordon F., assignor.)
- Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)
- Robins, May J., Katonah, N. Y. Game apparatus. 1,685,723; Sept. 25.
- Robins, Samuel D., Woodmere, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Screening apparatus. 1,693,940; Dec. 4.
- Robinson, Alba B., Herkimer, N. Y. Check. 1,661,961; Mar. 6.
- Robinson, Albert E., and A. M. Sosa, assignors to The American Tool Works Company, Cincinnati, Ohio. Drilling machine. 1,660,137; Feb. 21.
- Robinson, Albert E., and A. M. Sosa, assignors to The American Tool Works Company, Cincinnati, Ohio. Drilling machine. 1,676,461; July 10.
- Robinson, Andrew M. (See Bryce, J. W., and Robinson.)
- Robinson, Anson, et al. (See Carter, Samuel C., assignor.)
- Robinson, Charles A., assignor to Merrimack Man'g Co., Lowell, Mass. Pile-cutting machine. 1,684,113; Sept. 11.
- Robinson, Charles B. (See Curtly, Richard S., assignor.)
- Robinson, Charles R. (See Melssner, Charles, assignor.)
- Robinson, Charles W., Auburn, N. Y., assignor to International Harvester Company, Chicago, Ill. Tractor disk barrow. 1,667,392; Apr. 24.
- Robinson, Clarence R., Brooklyn, N. Y., assignor to Robinson Fibre Corporation, Wilmington, Del. Apparatus for manufacturing containers. 1,694,627; Dec. 11.
- Robinson, David, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupling. 1,680,115; Aug. 7.
- Robinson, David, Cleveland, and R. J. Wittmer, East Cleveland, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 1,680,116; Aug. 7.
- Robinson, E. S., and A., Limited. (See Creasey, Benjamin J., assignor.)
- Robinson, Edward A., et al. (See Jackson, William S., assignor.)
- Robinson, Edward A., assignor to himself and E. E. Workman, Montreal, Quebec, Canada. Automatic train-pipe connector. 1,660,766; Feb. 28.
- Robinson, Edward A., assignor of one-half to himself and one-half to E. E. Workman, Montreal, Quebec, Canada. Automatic train-pipe connector. 1,687,893; Oct. 16.
- Robinson, Edward A., assignor to himself and E. E. Workman, Montreal, Canada. Adjustable train-pipe connector. 1,689,969; Oct. 30.
- Robinson, Edward B., Brentwood, England, assignor to Sullivan Machinery Company, Chicago, Ill. Mining apparatus. 1,662,719; Mar. 13.
- Robinson, Edward W. (See Fulenwider, Jesse and H., Robinson, and Norris.)
- Robinson, Ernest Y., Withington, England. System of reception for modulated-wave telegraphy and telephony. 1,677,797; July 17.
- Robinson, Ernest Y., Withington, Manchester, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Electric tube device having coiled filaments. 1,674,520; June 19.
- Robinson, Ernest Y., Withington, Manchester, England, assignor to Metropolitan-Vickers Electrical Company Limited. Vacuum electric-tube device. 1,689,971; Oct. 30.
- Robinson, Ernest Y., Lymm, England, assignor to Metropolitan-Vickers Electrical Company Limited. Vacuum tube. 1,677,851; July 17.
- Robinson, Ernest Y., Lymm, England, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Rectification of alternating current. 1,693,668; Dec. 4.
- Robinson, Ernest Y., Manchester, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Vacuum tube. 1,677,850; July 17.
- Robinson, Ernest Y., Manchester, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Vacuum tube and the like. 1,689,970; Oct. 30.
- Robinson, Ernest Y., Manchester, England, assignor to Metropolitan-Vickers Electrical Company Limited. Vacuum electric-tube device. 1,692,573; Nov. 20.
- Robinson, Ernest Y., Manchester, and W. J. Brown, Stockport, England, assignors to Metropolitan-Vickers Electrical Company Limited. Vacuum electric tube device. 1,664,225; Mar. 27.
- Robinson Fibre Corporation. (See Robinson, Clarence R., assignor.)
- Robinson, Frank L., assignor of one-half to R. H. Garrett, Omaha, Nebr. Electrical advertising device. 1,653,294; Jan. 3.
- Robinson, Frank M., Jr., Pasadena, Calif. Mop-handle-clamping device. 1,681,011; Aug. 14.
- Robinson, Frederic W., and K. V. Knapp, assignors to Hanovia Chemical and Manufacturing Company, Newark, N. J. Therapeutical lamp. 1,695,061; Dec. 11.
- Robinson, George and J., London, England. Tennis and like racket. 1,687,848; Oct. 16.
- Robinson, George A., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Liner-making machine. 1,674,920; June 26.
- Robinson, George A., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton-making machine. 1,674,921; June 26.
- Robinson, H. E., et al. (See Wagoner, Samuel O., assignor.)
- Robinson, Harry G., Waterbury, Conn., assignor to Industries of America, Inc. Braiding machine. 1,693,121; Nov. 27.
- Robinson, Harry J., Boston, Mass., assignor to The Mosler Safe Company, Hamilton, Ohio. Night safe depository. Des. 76,895; Nov. 13.
- Robinson, Hassel D., Washington, D. C. Fuel-mixing device. 1,663,955; Mar. 27.
- Robinson, Herbert W., Birmingham, and D. W. Parkes, West Bromwich, England. Resolving emulsions of tar or oil. 1,687,314; Oct. 9.
- Robinson, Herbert W., Birmingham, and D. W. Parkes, West Bromwich, England. Resolving emulsions of tar or tar oils. 1,696,057; Dec. 18.
- Robinson, James. (See Clifton, J., Robinson, and Spencer.)
- Robinson, James. (See Robinson, George and J.)
- Robinson, James, et al. (See Cass, Albert, assignor.)
- Robinson, James B., Washington, D. C. Hydrocarbon burner. 1,675,135; June 26.
- Robinson, James, & Sons (Romiley) Ltd. (See Sydney, Ernest, assignor.)
- Robinson, James T. (See McMinn, C. R., Holliday, and Robinson.)
- Robinson, John D. M., Roydon, England. Facilitating locomotion on foot. 1,677,728; July 17.
- Robinson, John G., Blackwell, Okla. Well tubing. 1,683,629; Sept. 11.
- Robinson, John W., Woodland, Calif. Fruit-tray cleaner. 1,676,801; July 10.
- Robinson, John W., Chicago, Ill. Syringe. 1,694,233; Dec. 4.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe connector. 1,656,020; Jan. 10.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,666,310; Apr. 17.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,682,854; Sept. 4.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,682,936; Sept. 4.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe connector head. 1,684,376; Sept. 11.
- Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,688,287; Oct. 16.
- Robinson, Joseph, Morristown, N. J. Automatic train-pipe connector. 1,674,521; June 19.
- Robinson, Joseph, Morristown, N. J. Automatic train-pipe connector. 1,677,902; July 24.
- Robinson, Joseph, Santa Monica, Calif., assignor, by mesne assignments, to R. S. Smart, Ottawa, Canada. Spring suspension or shock absorber for vehicles. 1,681,050; Aug. 14.
- Robinson, Joseph E., Topeka, Kans. Bottle-carrying device. 1,691,254; Nov. 13.
- Robinson, Joseph V., New York, N. Y. Automatic train-pipe connector. 1,670,987; May 22.
- Robinson, Keith A. (See Wallis, H. C., and Robinson.)
- Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Mercury rectifier. 1,655,477; Jan. 10.
- Robinson, Lewis T., and C. A. Sabbah, Schenectady, N. Y., assignors to General Electric Company. Vapor electric device. 1,677,689; July 17.
- Robinson, Lofton Latch Company. (See Kelly, George, assignor.)
- Robinson Manufacturing Company. (See Dimm, Chandos R., assignor.)
- Robinson, Morris, New York, N. Y. Machine for making artificial flowers. 1,678,482; July 24.
- Robinson, Nils A., New York, N. Y. Signaling system. 1,661,962; Mar. 6.
- Robinson Packer Company. (See Fry, William W., assignor.)
- Robinson, Patrick H., assignor to Hamilton Beach Mfg. Co., Racine, Wis. Brush guard. 1,667,032; Apr. 24.
- Robinson, Robert M., assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Automatic interlocking system. 1,658,741; Feb. 7.
- Robinson, Robert M., assignor to Cheatham Electric Switching Device Co., Inc., Louisville, Ky. Automatic derailer with approach-locking equipment. 1,672,907; June 12.
- Robinson, Robert M., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Ground box. 1,693,868; Dec. 4.
- Robinson, Roy H., Chicago, Ill. Tennis racket. 1,676,051; July 3.

- Robinson, Sanford K., assignor, by mesne assignments, to Kraft-Phenix Cheese Company, Chicago, Ill. Re-making cheese. 1,678,167; July 24.
- Robinson and Sons Limited. (See Garrow, Nora, assignor.)
- Robinson, Thomas, New York, N. Y. Roofing element. Re16,983; May 29.
- Robinson, Thomas, New York, N. Y., assignor to Lancaster Asphalt, Inc. Prepared roofing and method of making. 1,676,351; July 10.
- Robinson, Thomas, Babylon, N. Y., assignor to Anaconda Sales Company. Roofing material. 1,663,565; Mar. 27.
- Robinson, Thomas, Babylon, N. Y., assignor to Anaconda Sales Company. Roofing element and making same. 1,665,222; Apr. 10.
- Robinson, Ulysses G., Oelrichs, S. Dak. Calculating machine. 1,661,234; Mar. 6.
- Robinson, William H. (See Swanson, H. R., and Robinson.)
- Robinson, Wirt R., Providence, R. I. Vehicle wheel rim. 1,696,015; Dec. 18.
- Robirds, Roland B. (See Sumpter, B. F., Winfree, and Robirds.)
- Robison, Daniel B., Cicero, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,662,129; Mar. 13.
- Robison, Floyd W., Detroit, Mich. Food product in form of dry powder and making the same. 1,690,131; Nov. 6.
- Robison, William H., assignor of one-half to C. A. Moffat, Sparta, Ill. Device for preventing the bursting of water pipes. 1,672,393; June 5.
- Robles, Charles, Brooklyn, N. Y. Amusement device. 1,666,219; Apr. 17.
- Robson, Arthur D. (See Hirsh, J. E., and Robson.)
- Robson, John, assignor to The Waterbury Tool Company, Waterbury, Conn. Automatically-controlled driving mechanism for textile machinery or the like. 1,655,739; Jan. 10.
- Robson, John, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Quebec, Canada. Power plant, particularly for locomotive engines. 1,655,740; Jan. 10.
- Robson, John, assignor, by mesne assignments, to The Waterbury Tool Company, Waterbury, Conn. Fluid-pressure device. 1,659,374; Feb. 14.
- Robson, John, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Quebec, Canada. Power plant, especially for self-propelled vehicles. 1,679,544; Aug. 7.
- Roby, Edward B., North Troy, assignor to S. and R. Folding Machine Company, Inc., Green Island, N. Y. Machine for folding the edges of textile and similar articles. 1,679,375; Aug. 7.
- Roby, Luther E., Peoria, Ill. Attachment mechanism. 1,679,628; Aug. 7.
- Roccaforte, Baldassare N., Houston, Tex. Mirror for barber or beauty-parlor chairs. 1,675,383; July 3.
- Rocha, Ezekiel M., Tulare, Calif. Robber trap. 1,665,982; Apr. 10.
- Roche, Emile M., Castelnaud-le-Lez, assignor to Urban Belony Voisin, Cette, France. Producing calcium aluminate cement. 1,689,891; Oct. 30.
- Roche, John, Hoboken, N. J. Dimming headlights for automobiles. 1,695,824; Dec. 18.
- Roche, Paul, St. Etienne, France. Spanner or nut wrench. 1,670,214; May 15.
- Roche, William J., Cochranton, Pa. Automatic toy. 1,687,315; Oct. 9.
- Rochelle, Joseph B., Hohen Solms, La. Ice-making apparatus. 1,664,705; Apr. 3.
- Rochester, Richmond, Jr., assignor to Automatic Electric Boiler Co., Chicago, Ill. Heating device. 1,693,182; Nov. 27.
- Rochman, Tobias, New York, N. Y. Necktie. 1,696,691; Dec. 25.
- Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Spool and manufacturing spools. 1,696,256; Dec. 25.
- Rock, George L., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling elements of articles. 1,696,257; Dec. 25.
- Rock, Harry B. (See Drees, A. J., Rock, and Reeves.)
- Rock Island Plow Company. (See Kaupke, Lee H., assignor.)
- Rock Island Stove Company. (See Mitchell, L. W., and Wise, assignors.)
- Rock, Michael B., New York, N. Y. Apparatus for teaching sight singing. 1,685,682; Sept. 25.
- Rockbestos Products Corporation. (See Lackland, Edgar C., assignor.)
- Rockbestos Products Corporation. (See Mau, E. A., and Hutchinson, assignors.)
- Rocke, Abraham, New York, N. Y. Reducing and supporting band. 1,667,989; May 1.
- Rockefeller, Matthew G., Schenectady, N. Y., assignor to General Electric Company. Door mechanism. 1,655,478; Jan. 10.
- Rockelman, Louis, Salt Lake City, Utah. Boiler-pipe cleaner. 1,690,434; Nov. 6.
- Rockenbauer, Otto, Westville, N. J. Tampering-indicating device for gas meters. 1,678,955; July 31.
- Rockenfeller, Dewey E., Montpelier, Ohio. Tuning device. 1,678,535; July 24.
- Rockford Novelty Furniture Company. (See Bergman, Johan O., assignor.)
- Rockhill, Jerome B., New York, N. Y. Light-bulb guard member. Des. 75,985; Aug. 7.
- Rockhill, William E., Spokane, Wash. Lighthouse. Des. 75,288; May 22.
- Rockstroh, Walter, Postelwitz, Germany. Driving mechanism for flat-form printing machines. 1,669,021; May 8.
- Rockwell, Edward A., New York, N. Y. Motor-indicating system. 1,677,494; July 17.
- Rockwell, Edward A., Forest Hills, N. Y., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Self-feeding carburetor. 1,654,604; Jan. 3.
- Rockwell, Edward A., Forest Hills, N. Y., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Apparatus for feeding fuel by pressure to internal-combustion engines. 1,658,059; Feb. 7.
- Rockwell, Edward A., Long Island City, N. Y., assignor to Stewart-Warner Speedometer Corporation. Valve fitting for communicating engine-cylinder pressures. 1,692,093; Nov. 20.
- Rockwell, George A. (See Perkins, William H., assignor.)
- Rockwell, Harold H., et al. (See Myers, Lewis E., assignor.)
- Rockwell, Harold H., et al., trustees. (See Carlson, Artie C., assignor.)
- Rockwell, Harold H., et al., trustees. (See Myers, Lewis E., assignor.)
- Rockwell, Harold H., et al., trustees. (See Myers, L. E., Carlson, and Bates, assignors.)
- Rockwell, Herbert O., Philadelphia, Pa. Cable hook or step. 1,657,939; Jan. 31.
- Rockwell, Samuel F., and J. W. Randall, assignors to Davis & Furber Machine Company, North Andover, Mass. Bunch-building spinning mule. 1,692,866; Nov. 27.
- Rockwood, A., Waldo, Winchester, Mass. Trimming braid. Des. 76,049; Aug. 14.
- Rockwood, A., Waldo, Winchester, Mass. Trimming braid. Des. 76,050; Aug. 14.
- Rockwood, Andrew D., Weed, Calif. Golf game. 1,659,959; Feb. 21.
- Rockwood Manufacturing Company. (See Hamerstadt, William D., assignor.)
- Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
- Rodanet, Charles H. H., Versailles, assignor to Societe Anonyme Etablissements Ed. Jaeger, Levallois, France. Electrical measuring instrument. 1,682,252; Aug. 28.
- Rodanet, Charles H. H., Versailles, assignor to Societe Anonyme Etablissements Ed. Jaeger, Paris, France. Register wheel. 1,695,663; Dec. 18.
- Rodd, Ernest H. (See Everett, R. W., and Rodd.)
- Rodd, Ernest H., and R. W. Everatt, Blackley, assignors to British Dyestuffs Corporation Limited, Manchester, Lancashire, England. Manufacture of dinitrotoluene. 1,657,723; Jan. 31.
- Rode, Friedrich J. (See Kotchi C., and Rode.)
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Die cushion. 1,655,568; Jan. 10.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Hydraulic cushion for sheet-metal presses. 1,664,485; Apr. 3.
- Rode, Frederick J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Hydraulic cushion for sheet-metal presses. 1,664,486; Apr. 3.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Hydraulic cushion for sheet-metal presses. 1,664,487; Apr. 3.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Sheet-metal-working press. 1,670,551; May 22.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Hydraulic cushion for metal presses. 1,670,552; May 22.
- Roddick, Russell M., Pasadena, Calif. Dispensing apparatus. 1,689,561; Oct. 30.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Sheet-metal press. 1,681,012; Aug. 14.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Sheet-metal press. 1,682,937; Sept. 4.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Sheet-metal-working press. 1,689,500; Oct. 30.
- Rode, Friedrich J., assignor to Marquette Tool & Mfg. Company, Chicago, Ill. Mechanical locking device for pressure pads. 1,689,501; Oct. 30.
- Rodekohl, Arthur F., Battle Creek, Nebr. Vehicle bed. 1,686,294; Oct. 2.
- Rodelli, Michele, Brooklyn, N. Y. Motor roller-skate brake. 1,694,671; Dec. 11.
- Roden, Frank A., et al. (See Burroughes, William J., assignor.)
- Rodenbeck, Henry W., Pasadena, Calif. Vehicle brake. 1,693,466; Nov. 27.
- Roderick, Richard D., Jermyn, Pa. Obstetrical forceps. 1,662,169; Mar. 13.
- Roderwald, Rudolf, Berlin, Germany. Power-transmitting or driving belt. 1,655,920; Jan. 10.
- Rodery, Conoe C., Hornersville, Mo. Chair rocker. 1,682,685; Aug. 28.
- Rodger Ballast Car Co. (See Morey, W. E., and Hindahl, assignors.)

- Rodgers, Chesley, Cedar Rapids, Iowa. Tourist's combination cabinet. 1,681,685; Aug. 21.
- Rodgers, Elizabeth L., and A. F. Williams, Little Rock, Ark. Sportsman's cabinet. 1,668,659; May 8.
- Rodgers, Fay T., Memphis, Tenn. Refrigerator. 1,662,587; Mar. 13.
- Rodgers, Fay T., Memphis, Tenn. Refrigerator. 1,674,450; June 19.
- Rodgers, Guy M. (See Mueller, S. E., and Rodgers.)
- Rodgers, James P., assignor to Elliott Company, Pittsburgh, Pa. Brush. 1,656,237; Jan. 17.
- Rodgers, James P., assignor to Elliott Company, Pittsburgh, Pa. Tube cleaner. 1,676,157; July 3.
- Rodgers, John B., Little Rock, Ark. Gate mechanism. 1,675,824; July 3.
- Rodgers, Ralph S., assignor of one-fourth to J. E. Harmon and one-fourth to I. J. Nelson, Pittsburgh, Pa. Sectional abrasive reamer. 1,679,269; July 31.
- Rodgers, William W., assignor to W. W. Rodgers, W. J. Shamberger, and R. L. Shamberger, trustees, Baltimore, Md. Replaceable heel. 1,660,092; Feb. 21.
- Rodgers, William W., et al., trustees. (See Rodgers, William W., assignor.)
- Rodhe, Olof, assignor to Svenska Aktiebolaget Mono, Stockholm, Sweden. Gas-analysis recorder. 1,661,049; Feb. 28.
- Rodhe, Olof, New York, N. Y., assignor to Svenska Aktiebolaget Mono, Stockholm, Sweden. Gas-analyzing apparatus. 1,661,627; Mar. 6.
- Rodl & Wienerberger Akt.-Ges. für Bijouterie- & Ketten-fabrication. (See Einsele, Robert, assignor.)
- Rodic Rubber Company. (See Dickey, Charles T., assignor.)
- Rodin, Charles F., San Francisco, assignor to California Six Wheel Company, Oakland, Calif. Vehicle suspension. 1,685,295; Sept. 25.
- Rodin, Morris, et al. (See Vogelzang, Frank, assignor.)
- Rodler, Hilmer F., Davenport, Iowa. Fluid-fuel heating apparatus and forming a combustible mixture. 1,693,053; Nov. 27.
- Rodman, Clarence J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glissometer. 1,665,933; Apr. 10.
- Rodman, Clarence J., and C. J. Bates, assignors to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Lifting jack. 1,659,785; Feb. 21.
- Rodman, Clarence J., Wilkinsburg, and M. Hecht, Pittsburgh, Pa. Process and apparatus for reconditioning mineral oils. 1,685,681; Sept. 25.
- Rodman, Thomas E., Glencoe, Ill., assignor, by mesne assignments, to The Bradford Patents Corporation, New York, N. Y. Reversible strut for brake beams. 1,673,159; June 12.
- Rodman, Thomas H., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Braking system for motor-driven machinery. 1,664,185; Mar. 27.
- Rodney-Hunt Machine Company. (See Simonds, W. J., and Spear, assignors.)
- Rodolause, Eloi, St. Antonin, France. Speed-controlling device for railway and tramway trains. 1,665,112; Apr. 3.
- Rodolitz, Moris, Brooklyn, N. Y. Chandelier. Des. 75,447; June 5.
- Roe, Alexander B., assignor to The McBee Binder Company, Athens, Ohio. Clutch for binders. 1,675,277; June 26.
- Roe, Alpheus E., Oakland, Calif. Can-cap-soldering apparatus. 1,663,062; Mar. 20.
- Roe, William C., assignor to Holmes Electric Protective Company, New York, N. Y. Alarm device. 1,665,677; Apr. 10.
- Roe, William J., Newburgh, N. Y. Motor. 1,655,338; Jan. 3.
- Roe, William J., Newburgh, N. Y. Propelling and steering means for power speed. 1,675,158; July 3.
- Roebke, Ernest T., assignor to American Pulverizer Company, St. Louis, Mo. Pulverizing machine. 1,683,304; Sept. 4.
- Roebing's, John A., Sons Company. (See Green, Richard D., assignor.)
- Roebing's, John A., Sons Company. (See Sunderland, Charles C., assignor.)
- Roebuck, Alvah C. (See Bardy, G. D., and Roebuck.)
- Roebuck, Alvah C., assignor to The Enterprise Optical Manufacturing Company, Chicago, Ill. Arc-lamp motor feed. 1,677,657; July 17.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Door latch. 1,653,903; Feb. 14.
- Roedding, Gordon E., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Removably-mounted receptacle. 1,673,531; June 12.
- Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 1,694,866; Dec. 11.
- Roedl, George C., West Allis, Wis. Window-sash counterbalance. 1,678,444; July 24.
- Roeger, Fred, Hasbrouck Heights, N. J., assignor of one-half to H. S. Neiman, New York, N. Y. Memorandum pad device. 1,674,265; June 19.
- Roeger, Fred, Hasbrouck Heights, N. J., assignor of one-half to H. S. Neiman, New York, N. Y. Memorandum pad. 1,678,445; July 24.
- Roehr, Clarence J., assignor to The Bassett Jewelry Co., Providence, R. I. Bracelet extension member. 1,659,705; Feb. 21.
- Roehrich, Frank N., assignor to W. H. Loud, Jersey City, N. J. Locking mechanism for automobiles. 1,675,465; July 3.
- Roemer, Fritz. (See Kränzlein, G., and Roemer.)
- Roemer, Henry A., Canton, and D. A. Williams, Louisville, Ohio. Metal-coated sheet and making the same. 1,675,134; June 26.
- Roemer, Julius, Lakewood, Ohio. Hygrostat. 1,675,302; June 26.
- Roesch, Arthur A., assignor to Roesch Enamel Range Co., Belleville, Ill. Stove. Des. 75,986; Aug. 7.
- Roesch Enamel Range Co. (See Roesch, Arthur A., assignor.)
- Roesch, Frank P., Chicago, Ill., assignor to Standard Stoker Company. Stoker. 1,674,994; June 26.
- Roeske, Henry O., Belfast, N. Y. Household twine reel. 1,664,467; Apr. 3.
- Roessler & Hasslacher Chemical Company. (See Brown, M. J., and Harding, assignors.)
- Roessler & Hasslacher Chemical Company, The. (See Carveth, Hector R., assignor.)
- Roessler & Hasslacher Chemical Co. (See Magill, P. L., and Carlisle, assignors.)
- Roessler & Hasslacher Chemical Company, The. (See Schulenburg, Wilhelm, assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Storch, Henry H., assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Trusler, Ralf B., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Whitby, George S., assignor.)
- Roessler, Robert, Hoboken, N. J. Meat chopper. 1,692,574; Nov. 20.
- Roethel, John H., Brooklyn, N. Y. Two-turn window lift. 1,670,904; May 22.
- Roethlisberger, Emil, New York, N. Y. Multiple-plug key. 1,696,326; Dec. 25.
- Roewade, Edward E., Chicago, Ill., assignor to Wright & Ditson-Victor Co., New York, N. Y. Football shoe. 1,677,370; July 17.
- Roffy, Joseph T., Brooklyn, assignor to National Carbon Company, Inc., New York, N. Y. Flash light. 1,669,392; May 8.
- Röger, Karl, London, England. Matrix-setting and line-casting machine. 1,670,989; May 22.
- Röger, Karl, Berlin, H. Schoenleben, and F. Walther, Plauen, Germany. Matrix-setting and type-line-casting machine. 1,677,462; July 17.
- Rogers, Adrian R., assignor to G. Allsop, J. A. Fye, and G. Strong, Du Bois, and W. Strong, Brookville Borough, Pa. Metallic railway tie. 1,672,342; June 5.
- Rogers, Alfred, Milton, Mass. Flush-valve housing. 1,682,351; Aug. 28.
- Rogers, Arthur R., Jonesport, Me. Machine for cutting fish. 1,667,437; Apr. 24.
- Rogers, Arthur R., Jonesport, Me. Separator. 1,694,724; Dec. 11.
- Rogers, Charles B., et al. (See Norwood, Harry G., assignor.)
- Rogers, Charles B., Joplin, Mo. Crusher roll. 1,670,381; May 22.
- Rogers, Charles B., Joplin, Mo. Pulley. 1,691,993; Nov. 20.
- Rogers, Charles C., Eureka, Mont., assignor of one-half to O. C. Stansell, Ashton, Idaho. Dirigible headlight. 1,659,747; Feb. 21.
- Rogers, Charles F., Detroit, Mich. Timer. 1,681,366; Aug. 21.
- Rogers, Charles P., and Company. (See Zabriskie, Charles L., assignor.)
- Rogers, Donald G., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Purification of indanthrene. 1,679,230; July 31.
- Rogers, Edward J., Miamisburg, assignor to The West-erfield Pharmaceutical Company, Dayton, Ohio. Rust removing and preventing composition. 1,673,951; June 19.
- Rogers, Erastus W., Durham, N. C. Stove. Des. 77,258; Dec. 18.
- Rogers, Erastus W., Durham, N. C. Stove. 1,689,084; Oct. 23.
- Rogers, Eugene A., Takoma Park, Md. Device for maintaining a uniform quantity of oil in the crank case of an automobile. 1,670,988; May 22.
- Rogers, Everett L., Jr., Providence, R. I. Pocket lighter. Des. 75,135; May 8.
- Rogers, Francis M., and C. P. McNeil, assignors to Standard Oil Company, Whiting, Ind. Insecticide and fungicide. 1,679,919; Aug. 7.
- Rogers, Frank, Springfield, Ohio. Antiskid device. 1,674,065; June 19.
- Rogers, G. S., et al., trustees. (See Buchet, C. R., and Baker, assignors.)
- Rogers, George D., Honolulu, Hawaii. Doll. 1,661,093; Feb. 28.
- Rogers, Harold W., and E. H. Horstkotte, Schenectady, N. Y., assignors to General Electric Company. Regulator system. 1,655,663; Jan. 10.
- Rogers, Henry J., and F. H. Boyle, assignors of one-third to G. W. Pearson, Lowell, Mass. Tape-condenser clearer roll. 1,687,145; Oct. 9.

- Rogers, Homer L., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Noise and vibration reducing device. 1,689,052; Oct. 23.
- Rogers, Homer L., Cincinnati, Ohio, assignor to The Philip Carey Manufacturing Company. Track pavement. 1,689,300; Oct. 30.
- Rogers, Homer S., and R. Raddatz, assignors to Combustion Fuel Oil Burner Company, Milwaukee, Wis. Automatic safety control for oil burners. 1,677,295; July 17.
- Rogers, Jabin V., Cashmere, Wash. Fruit-sizing machine. 1,661,503; Mar. 6.
- Rogers, James B., Hampden, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Football helmet. 1,669,914; May 15.
- Rogers, John H., Portland, Oreg. Bulb sterilizer. 1,686,928; Oct. 9.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. 1,661,504; Mar. 6.
- Rogers, Joseph E., Mamaroneck, N. Y., assignor to Dayton Scale Company, Dayton, Ohio. Scale and chart therefor. 1,676,052; July 3.
- Rogers, Louis G., Croydon, England. Pudding cloth and the like. 1,688,288; Oct. 16.
- Rogers, Price L., Narberth, and L. P. Holladay, jr., Chestnut Hill, Pa. Roof for cars. 1,696,692; Dec. 25.
- Rogers Products Co. (See Albertine, Herman, assignor.)
- Rogers Products Co. (See Zabriske, Charles L., assignor.)
- Rogers, Quinton D., Memphis, Tenn. Horse collar. 1,667,740; May 1.
- Rogers, Ralph W., Franklin, Pa. Power-transmission gearing. 1,662,130; Mar. 13.
- Rogers, Robert, Dallas, Tex. Valve-operating device. 1,667,990; May 1.
- Rogers, Robert W., Framingham, Mass., assignor to Sterling Range and Furnace Corporation, Rochester, N. Y. Stove. 1,661,306; Mar. 6.
- Rogers, Simeon L. and George H., Company. (See Hall, Edwin W., assignor.)
- Rogers, Thomas C. (See Bell, T. W., and Rogers.)
- Rogers, Thomas H., et al. (See Baldisiefen, W. D., and Rogers.)
- Rogers, Victor B., Buffalo, N. Y. Cuff link. 1,693,993; Dec. 4.
- Rogers, Wallace A., Anoka, Minn. Machine for treating grain. 1,685,179; Sept. 25.
- Rogers, Walter, Chicago, Ill. Heater. 1,657,645; Jan. 31.
- Rogers, Walter F., Chicago, Ill. Oven door. 1,684,808; Sept. 18.
- Rogers, Wardneigh T., Bird City, Kans. Ironing board. 1,666,607; Apr. 17.
- Rogers, William M., Whitesville, Ky. Ticket cutter. 1,670,522; May 22.
- Rogert, Emil M., et al., joint trustees. (See Schumacher, Gerhard, assignor.)
- Rogginger, John, San Diego, assignor to Norco Mfg. Co., Norco, Calif. Measuring and dispensing means for containers. 1,658,257; Feb. 7.
- Rogler, Max, Dusseldorf, Germany. Hair-curling means. 1,694,672; Dec. 11.
- Rohe, Johannes M. (See Rohe, Louis H. F. and S., assignors.)
- Rohe, Louis H. F. and S., assignors of one-fourth to J. M. Rohe, Mirando City, Tex. Pressure regulator. 1,691,673; Nov. 13.
- Rohe, Samuel. (See Rohe, Louis H. F. and S.)
- Rohlfen, William, Paulina, Iowa. Seeding attachment for cultivators. 1,656,831; Jan. 17.
- Rohm & Haas Company. (See Hollander, Charles S., assignor.)
- Rohm & Haas Company. (See Lauter, Felix, assignor.)
- Rohmer, Gabriel E., New York, N. Y. Diving apparatus for swimming pools. 1,693,669; Dec. 4.
- Rohn, Wilhelm, Hanau-on-the-Main, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Electric bright-annealing furnace. 1,678,875; July 31.
- Rohn, Wilhelm, Hanau-on-the-Main, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Electric bright-annealing furnace for continuously bright annealing. 1,678,876; July 31.
- Rohn, Wilhelm, Hanau-on-the-Main, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Electric annealing or heating furnace. 1,695,860; Dec. 18.
- Rohne, Even J. (See Rohne, Jens E., assignor.)
- Rohne, Even J., Minneapolis, Minn. Electric laundry iron. 1,668,250; May 1.
- Rohne, Jens E., assignor to E. J. Rohne, Minneapolis, Minn. Water heater for internal-combustion engines. 1,683,920; Sept. 11.
- Rohr, Henry C. (See Lee, T. L., and Rohr.)
- Rohrbach, Adolf, Berlin-Wilmersdorf, Germany. Aircraft. 1,659,960; Feb. 21.
- Rohrbach, Adolf, Berlin-Wilmersdorf, Germany. Aircraft. 1,659,961; Feb. 21.
- Rohrbach Metall-Flugzeugbau G. m. b. H. (See Tank, K., and Frydag, assignors.)
- Rohrbacher, Albert L., jr., Boston, Mass. Work shoe. 1,686,399; Oct. 2.
- Rohrbogenwerk Gesellschaft mit beschränkter Haftung. (See Böhling, Rudolf H., assignor.)
- Rohrdanz, Harold, Inglewood, Calif. Film cutting and joining device. 1,672,542; June 5.
- Röhre, Kurt. (See Griessbach, R., and Röhre.)
- Rohrer, Josiah H., Philadelphia, Pa. Water-tube boiler. 1,657,319; Jan. 24.
- Rohrer, Quay. (See Falbe, E. B., and Rohrer.)
- Rohrer, William L., New York, N. Y. Dashboard-type heat indicator. 1,677,208; July 17.
- Rohrig, Clara E., Davenport, Iowa. Clothes-basket carrier and rack. 1,692,704; Nov. 20.
- Rohwedder, Otto F., Davenport, Iowa. Bread-fastening machine. 1,682,581; Aug. 28.
- Roiart, Emile, assignor to Societe Anonyme d'Etudes et de Constructions d'Appareils Mecaniques pour la Verrierie, Paris, France. Machine for manufacturing bottles and other hollow objects made of glass. 1,671,997; June 5.
- Roka, Koloman. (See Krause, E., and Roka.)
- Roka, Koloman, Konstanz, assignor to Holzverkohlungs-Industrie A. G., Konstanz, Germany. Producing acetone. 1,663,350; Mar. 20.
- Rolf, Joseph H., Muncie, Ind., assignor to Gleason Works, Rochester, N. Y. Apparatus for feeding the lapping compound to gears. 1,682,420; Aug. 28.
- Rolfe, Charles A., Redlands, Calif. Golf game. 1,663,889; Mar. 27.
- Rolfe, George B., assignor to Evershed & Vignoles, Limited, London, England. Electrical testing instrument. 1,681,367; Aug. 21.
- Rolfe, George B., assignor to Evershed & Vignoles, Limited, London, England. Electric generator. 1,689,934; Oct. 30.
- Rolfes, George H., assignor to A. H. Handlan, St. Louis, Mo. Focusing device for signal lamps. 1,667,393; Apr. 24.
- Rolfs, Baltus, assignor to Amity Leather Products Co., West Bend, Wis. Bill folder. 1,679,877; Aug. 7.
- Rolka, Ignatz, Gallitzin, Pa. Antiskid device for automobiles. 1,679,270; July 31.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Riveting machine for power presses. 1,659,444; Feb. 14.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet-metal drum. 1,661,578; Mar. 6.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Head for shipping drums. 1,663,775; Mar. 27.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Pouring spout for containers. 1,687,316; Oct. 9.
- Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Shipping drum. 1,694,354; Dec. 4.
- Roll-A-Way Bed Corporation. (See Matheson, William A., assignor.)
- Rollaway Motor Company, The. (See Fox, Cecil M., assignor.)
- Rolle, Friedrich A. K., Vauxhall, N. J., assignor, by mesne assignments, to Binder Bros., Inc., New York, N. Y. Machine for making articles composed of wire rings or links. 1,688,988; Oct. 23.
- Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Wall circuit breaker. 1,659,614; Feb. 21.
- Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Circuit breaker. 1,665,113; Apr. 3.
- Roller, Frank W., East Orange, N. J., assignor to Roller-Smith Company. Circuit breaker. 1,665,223; Apr. 10.
- Roller-Smith Company. (See Roller, Frank W., assignor.)
- Rollin, Simon, Tulle, assignor to Societe Anonyme des Anciens Etablissements Hatot, Paris, France. Electric striking mechanism. 1,666,351; Apr. 17.
- Rolling, Frank A., Company. (See Burdorf, Herman, assignor.)
- Rollings, Ernest J., assignor to Consolidated Machine Tool Corporation of America, Newton Machine Tool Works, Philadelphia, Pa. Continuous-milling machine. 1,687,350; Oct. 9.
- Rollins, Alden H., Waltham, Mass. Rowlock. 1,656,534; Jan. 17.
- Rollins, Edward A., Roxbury, Mass. Temperature indicator. 1,695,295; Dec. 18.
- Rollins, Harry T., Des Moines, Iowa. Needle for repairing runs in knitted fabrics. 1,682,985; Sept. 4.
- Rollins Hosiery Mills. (See Osberg, Carl E. B., assignor.)
- Rollins, Jesse B. (See Gallo, J., and Rollins.)
- Rollins, Le Roy W. (See Seely, T. H., and Rollins.)
- Rollinson, Earl H., Lyons Farms, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Bulb rectifier. 1,661,579; Mar. 6.
- Rollman, Bruce, assignor to The Ohio Cultivator Company, Bellevue, Ohio. Press. 1,687,516; Oct. 16.
- Rollman, Michael A., Mount Joy, Pa. Apparatus for making sheet-metal vessels. 1,679,629; Aug. 7.
- Rollmonica Music Co., The. (See Banks, Joseph L., assignor.)
- Rolls-Royce Limited. (See Royce, Frederick H., assignor.)
- Rolls-Royce Limited. (See Royce, F. H., and Rowledge, assignors.)
- Rolscreen Company. (See Dixon, Harry, assignor.)
- Roma, Paul. (See Mascall, J., and Roma.)
- Roman, Benjamin. (See Holtzmann, John, assignor.)

- Romano, Anthony, and R. Vitale, Brooklyn, N. Y. Valve-reseating machine. 1,676,414; July 10.
- Romano, John, Brooklyn, N. Y. Toy novelty. 1,667,606; Apr. 24.
- Romanoff, Hippolyte W., Levallois-Perret, France. Filing, sawing, and grinding machine. 1,660,887; Feb. 28.
- Romanoff, Hippolyte W., Levallois-Perret, France. Milling machine for cutting gears. 1,660,888; Feb. 28.
- Romanoff, Walter, Philadelphia, Pa. Accordion case. Des. 74,575; Feb. 28.
- Romanowicz, Johann. (See Romanowicz, Marian and J.)
- Romanowicz, Marian and J., Vienna, Austria. Photographic film or plate pack. 1,682,628; Aug. 28.
- Romao, August, San Francisco, assignor to Musical Accessories Corporation, Oakland, Calif. Banjo stand. 1,678,205; June 12.
- Rome Company, The. (See Pittoni, Louis E., assignor.)
- Rome Manufacturing Company. (See Schneible, Frank W., assignor.)
- Rome Metallic Bedstead Company. (See Pittoni, L. E., and Sisbower, assignors.)
- Romero, Ireneo, and A. Costini, Calexico, Calif. Form and section for building walls. 1,682,253; Aug. 28.
- Romeyn, Jean, Brussels, Belgium. Two-stroke internal-combustion engine. 1,674,571; June 19.
- Romieux, Charles J., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Phenol resin and making the same. 1,669,674; May 15.
- Romine, Robert T. (See Systrom, E. W., and Warren, assignors.)
- Romine, Robert T. (See Systrom, Ernest W., assignor.)
- Romine, Robert T., Mount Clemens, Mich. Handling metal. 1,668,580; May 1.
- Romine, Robert T., Mount Clemens, Mich. Sectional car container. 1,688,437; Oct. 23.
- Romine, William M. (See Clark, W. J., and Romine.)
- Rommer, Isaac A., Brooklyn, N. Y. Doll's eyes. 1,661,094; Feb. 28.
- Romney, Frederick S., New York, N. Y. Apparatus for draining land. 1,688,356; Oct. 23.
- Romp, Hendrik A., assignor to Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Motor for driving hydro-extractors. 1,687,039; Oct. 9.
- Romph, Paul H., Detroit, Mich. Aluminum-melting furnace. 1,671,546; May 29.
- Rona, Gustave G., New York, N. Y. Holder for shoes. 1,663,388; Mar. 20.
- Ronal, Michael, Los Angeles, Calif. Interchangeable partition. 1,658,211; Feb. 7.
- Ronay, Emil H., Brooklyn, assignor to R. M. Haan Candy Co., Inc., New York, N. Y. Box. Des. 76,894; Nov. 13.
- Rone, Lucien E. (See Scott, H. T., and Rone.)
- Ronfeldt, Henry C. (See Popitke, W. H., and Ronfeldt.)
- Ronk, George T., assignor to Speeder Machinery Corporation, Cedar Rapids, Iowa. Trailer for self-propelled vehicles. 1,693,869; Dec. 4.
- Rönning, Daniel, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Clutch mechanism for motor-operated electric switches. 1,658,904; Feb. 14.
- Rönning, Daniel, and A. Rooth, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Link mechanism for circuit breakers. 1,692,867; Nov. 27.
- Ronneberger, Fritz, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,684,148; Sept. 11.
- Ronning, Adolph. (See Ronning, Andean G. and A.)
- Ronning, Adolph. (See Ronning, Andean G. and A., and Hedenstrom.)
- Ronning, Adolph, et al., executors. (See Ronning, Andean G. and A.)
- Ronning, Adolph, et al., executors. (See Ronning, Andean G. and A., and Hedenstrom.)
- Ronning, Andean G. and A., Minneapolis, Minn. Combination traction implement. 1,658,353; Feb. 7.
- Ronning, Andean G. and A., Minneapolis, Minn. Road grader. 1,660,050; Feb. 21.
- Ronning, Andean G. and A., assignors to Ronning Machinery Company, Minneapolis, Minn. Earth-working attachment for tractors. 1,658,354; Feb. 7.
- Ronning, Andean G., deceased, A. Ronning, Minneapolis, and E. A. Hedenstrom, St. Paul, Minn.; J. A. and A. Ronning, executors; said Hedenstrom assignor to said A. G. and A. Ronning. Harvesting machine. 1,660,767; Feb. 28.
- Ronning, Andean G., deceased, and A. Ronning, Minneapolis, Minn.; J. A. and A. Ronning, executors. Power transmission. 1,686,532; Oct. 9.
- Ronning, Jacob A., et al., executors. (See Ronning, Andean G. and A.)
- Ronning, Jacob A., et al., executors. (See Ronning, Andean G. and A., and Hedenstrom.)
- Ronning Machinery Company. (See Ronning, Andean G. and A., assignors.)
- Rood, Fletcher C., Walla Walla, Wash. Mixer. 1,661,681; Mar. 6.
- Rood, John. (See Rittman, J. W., Rood, and Driver.)
- Rood, John L., Traverse City, Mich. Turbine. 1,654,605; Jan. 8.
- Rood, John M., and W. Driver, Racine, Wis. Sanitary milk-bottle container. 1,662,399; Mar. 13.
- Roof, Jay L., Buffalo, N. Y. Rolling-mill guide. 1,655,845; Jan. 10.
- Roof Strainer Corporation. (See Silverman, Samuel, assignor.)
- Rooke Automatic Register Company. (See Johnson, Walter S., assignor.)
- Rooke Automatic Register Company. (See Rooke George F., assignor.)
- Rooke, George F., assignor to Rooke Automatic Register Company, Providence, R. I. Selector mechanism for registers. 1,655,651; Jan. 10.
- Rooney, George B. (See Baker, Henry G., assignor.)
- Rooney, James H. (See Dickie, W. A., and Rooney.)
- Roos, Carlisle K. (See Brookby, H. E., and Roos.)
- Roos, Carlisle K., and M. G. Allison, Fort Dodge, Iowa, assignors to United States Gypsum Company, Chicago, Ill. Light-weight gypsum products. 1,666,180; Apr. 17.
- Roos, Gunnar, Stockholm, Sweden. Refrigerating machine. 1,692,053; Nov. 20.
- Roos, Oscar C., Rockland, Me. Electromagnetic wave receiving system. 1,683,547; Sept. 11.
- Roose, Cyriel, St. Claire Shores, and J. Benzie, Detroit, Mich. Gas-cock safety device. 1,692,188; Nov. 20.
- Roose, Cyriel A. (See Sherman, A. G., Smith, Ramig, and Roose.)
- Roose, Garland H., Chicago, Ill. Internal-combustion engine. 1,665,421; Apr. 10.
- Root, Bertwell C., assignor to Brown Company, Berlin, N. H. Tubular bend and making same. 1,694,430; Dec. 11.
- Root, Chapman J. (See Samuelson, Alexander, assignor.)
- Root, Chapman J., Terre Haute, Ind. Bottle. Des. 73,274; Jan. 17.
- Root, Charles S., Springfield, Mass. Rubbing machine. 1,681,648; Aug. 21.
- Root, Frank B., assignor to Flood & Conklin Company, Newark, N. J. Wrinkling finish. 1,689,892; Oct. 30.
- Root, Harriet R. (See Kenyon, Frederick D., assignor.)
- Root, Harry A. (See Larrabee, B. G., Root, and Cassaday.)
- Root, Joseph J., jr., Westport, Conn., assignor to Union Tank Car Company, Chicago, Ill. Dome for tanks. 1,669,022; May 8.
- Root, Lemna J., Seattle, Wash. Hydraulic or vacuum clutch. 1,683,054; Sept. 4.
- Root Manufacturing Company, The. (See Root, Ralph R., assignor.)
- Root, Ralph R., Lakewood, assignor to The Root Manufacturing Company, Cleveland, Ohio. Powder-dispensing device. 1,676,462; July 10.
- Root, Waldo D., La Grande, Oreg. Automobile spring-shackle connection. 1,658,303; Feb. 7.
- Root, William D., Cleveland, Ohio. Corn-popping machine. 1,692,575; Nov. 20.
- Root, William E., Palmerston, Ontario, Canada. Hockey stick end buffer. 1,687,736; Oct. 16.
- Root, William R., Terre Haute, Ind. Bottle. Des. 75,448; June 5.
- Rooth, Adolf. (See Rönning, D., and Rooth.)
- Rooth, Paul H., Chicago, Ill. Radio apparatus. 1,694,396; Dec. 11.
- Rope, Frederic M. (See Richmond, V. C., and Rope.)
- Roper, Denney W. (See Buck, N. E., Roper, and Thoms.)
- Roper, Elmo B. (See Roper, Robert W. and E. B., and Emerson.)
- Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
- Roper, Robert W. and E. B., and S. R. Emerson, Creston, Iowa. Separable badge button. 1,658,573; Feb. 7.
- Ropp, Frank N. (See Hunt, F. H., and Ropp.)
- Ropp, Franklin N., Los Angeles, Calif. Joist hanger. 1,692,351; Nov. 20.
- Rorabacher, Claude, Detroit, Mich. Automatic electrically-operated door. 1,682,254; Aug. 28.
- Roraback, Earl H. (See Myers, William M., assignor.)
- Roraback, Claude, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Conveyor-chain link. 1,676,053; July 3.
- Roraback, Claude, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Inside and outside link for conveyor chains. 1,690,838; Nov. 6.
- Rorison, John C., New York, N. Y. Sliding signal. 1,692,313; Nov. 20.
- Rorke, Thomas H., Brooklyn, N. Y. Automobile water gauge. 1,661,269; Mar. 6.
- Rorty, Malcolm C., Paris, France, and J. C. Potter, Madrid, Spain, assignors, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Telephone receiver. 1,678,200; July 24.
- Rosan, Sterling D., Boston, Mass. Golf-club grip. 1,690,312; Nov. 6.
- Rosar, Laurence J., Scranton, Pa. Game apparatus. 1,670,692; May 22.
- Rosato, Victor, New York, N. Y. Stenciling method. 1,681,133; Aug. 14.
- Rosche, Harry J., jr., Yonkers, and W. Schwartz, Bronx, N. Y., assignors, by mesne assignments, to S. A. Strauss and B. J. Cahn, trustees. Coat shoulder. 1,674,572; June 19.
- Roscoe, John Q., Los Angeles, Calif. Lighting fixture. 1,673,997; June 19.
- Roscoe, Robert, Clarendon Hills, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for abrading. 1,679,376; Aug. 7.

- Rose, Alexander D., assignor to Jas. P. Marsh & Company, Chicago, Ill. Thermometer. Des. 76,421; Sept. 25.
- Rose, Alexander D., assignor to Jas. P. Marsh & Company, Chicago, Ill. Dial. 1,684,598; Sept. 18.
- Rose, Benjamin K., assignor to Frost Steel Products, Inc., Warren, Ohio. Fastening device for fencing, etc. 1,667,463; Apr. 24.
- Rose, Bruce E., Stockton, and G. Woolwine, Empire, Calif. Scraper. Re17,044; July 17.
- Rose, Charles A., Cranford, and C. L. Read, Rahway, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Purifying metallic antimony. 1,662,439; Mar. 13.
- Rose Company, The. (See Rose, Harry M., assignor.)
- Rose, Dalton K., assignor to J. H. Zumbalen, St. Louis, Mo. Surgical instrument. 1,677,209; July 17.
- Rose Display Box Company. (See Leopold, Samuel N., assignor.)
- Rose, Edward E. (See Eaton, G. M., and Rose.)
- Rose, Frederick A., Memphis, Tenn., assignor, by mesne assignments, to M. Finkelstein, Chicago, Ill. Pants holder. 1,665,983; Apr. 10.
- Rose, George F., Hyndsville, N. Y. Film-spacing device for cameras. 1,674,522; June 19.
- Rose, George F., Hyndsville, N. Y. Typewriting machine. 1,677,210; July 17.
- Rose, George W. (See Klon, Herman, assignor.)
- Rose, Harry M., Philadelphia, Pa. Place-card support. 1,666,400; Apr. 17.
- Rose, Harry M., assignor to The Rose Company, Philadelphia, Pa. Card-display box. 1,671,998; June 5.
- Rose, Harve D., and A. Manthe, Wamego, Kans. Heading and elevating machine. 1,688,659; Oct. 23.
- Rose, Howard C., Detroit, Mich., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Circular-milling machine. Re16,903; Mar. 13.
- Rose, James B. (See Harris, John, assignor.)
- Rose, James R., Edgeworth, assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Gaseous fuel. 1,676,871; July 10.
- Rose, John A., Everett, Wash. Mast or pole support. 1,672,625; June 5.
- Rose, Louis P., Arnold, Nebr. Linoleum-vending machine. 1,682,802; Sept. 4.
- Rose, Newton A., Wellesley Hills, Mass. Hand shears. 1,658,498; Feb. 7.
- Rose Patch and Label Co. (See Rosenthal, Arthur and M., assignors.)
- Rose, Reed P., Jackson Heights, assignor to General Rubber Company, New York, N. Y. Manufacture of sheet material. 1,675,959; July 3.
- Rose, Reed P., Jackson Heights, N. Y., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Treating rubber-fiber waste material. 1,680,915; Aug. 14.
- Rose, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Disubstituted guanidine salts of dyes containing acid groups. 1,674,128; June 19.
- Rose, Robert E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Softener for silk and making same. 1,691,994; Nov. 20.
- Rose, Robert W. (See Andrew, N. P., Macfie, and Rose.)
- Rose, William H., Jersey City, N. J. Container closure. 1,663,480; Mar. 20.
- Rose, William H., Jersey City, N. J. Container closure. 1,664,995; Apr. 3.
- Rose, William H., Jersey City, N. J. Wind deflector. 1,667,013; Apr. 24.
- Rose, William H., Jersey City, N. J. Wind deflector. 1,672,283; June 5.
- Rose, William H., Jersey City, N. J. Garment support. 1,682,855; Sept. 4.
- Rose, William H., Jersey City, N. J. Liquid valve. 1,683,727; Sept. 11.
- Roseby, Philip N. (See Hudd, A. E., and Roseby.)
- Rosedale Foundry & Machine Company. (See Holt, Harris B., assignor.)
- Rosekelly, Frank E., Huron, Ohio. Plow attachment. 1,686,177; Oct. 2.
- Roseland Can & Wire Goods Co. (See Gschwindt, Adam, assignor.)
- Roseman, Leo, Newark, N. J. Female-fastener means for garments. 1,671,317; May 29.
- Roseman, Leo, Newark, N. J. Garment-fastener means. 1,677,903; July 24.
- Roseman, Leo, Newark, N. J. Garmen-fastener tape. 1,677,904; July 24.
- Rosen, Jessel. (See Parsons, C. A., and Rosen.)
- Rosen, Jessel. (See Parsons, C. A., Rosen, Grey, and Blair.)
- Rosen, Jessel. (See Parsons, C. A., Rosen, Grey, and Midgley.)
- Rosen, Martin, Chicago, Ill. Package. 1,691,306; Nov. 13.
- Rosen, Morris, New York, N. Y. Torchère. Des. 74,521; Feb. 21.
- Rosenau Bros. Inc., et al. (See Middleman, Emanuel L., assignor.)
- Rosenbaum, Alexander N. (See Birrell, Lawrence H., assignor.)
- Rosenbaum, Benjamin, Bronx, N. Y. Mixing valve. 1,664,900; Apr. 3.
- Rosenbaum, Benjamin, New York, N. Y. Duplex valve and mixer. 1,664,901; Apr. 3.
- Rosenbaum, Benjamin, New York, N. Y. Fluid-mixing valve. 1,685,867; Oct. 2.
- Rosenbaum, Bruno, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Wireless telegraphy and telephony. 1,677,296; July 17.
- Rosenbaum, Bruno, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Aerial conductor for wireless telegraphy and winding apparatus therefor. 1,682,421; Aug. 28.
- Rosenbaum, Lester F., and E. C. Bowers, Kalamazoo, Mich.; said Bowers assignor to said Rosenbaum. Pressing machine. 1,683,412; Sept. 4.
- Rosenberg, Abraham. (See Schechter, Joseph, assignor.)
- Rosenberg, Abraham, New York, N. Y. Tree stand. Des. 76,958; Nov. 20.
- Rosenberg, David H., Medford, Oreg. Fruit-box pad and lining. 1,684,556; Sept. 18.
- Rosenberg, Heyman, New York, N. Y. Fastener. 1,686,468; Oct. 2.
- Rosenberg, Ida, Chicago, Ill. Apparatus for regulating the admixture of a solution to running water. 1,664,046; Mar. 27.
- Rosenberg, Julius, assignor of one-half to H. Hoffman, New York, N. Y. Flash light. 1,671,744; May 29.
- Rosenberg, Philip, Brooklyn, N. Y. Hat lining and size reducer. 1,692,419; Nov. 20.
- Rosenberger, Arthur W., Broadway, Va. Coop or crate. 1,696,693; Dec. 25.
- Rosenberger, Paul, Zuffenhausen, Germany. Metal-casting apparatus. 1,673,054; June 12.
- Rosenblatt, Isidor. (See Silberhartz, Jacob and P., and Rosenblatt.)
- Rosenblatt, Isidor, New York, N. Y. Chandelier or analogous article. Des. 74,190; Jan. 3.
- Rosenblatt, Isidor, New York, N. Y. Lighting-fixture backplate or analogous article. Des. 74,191; Jan. 3.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,045; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Plate for lighting fixtures. Des. 75,046; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Ceiling light. Des. 75,047; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lantern. Des. 75,048; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,049; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Arm for lighting fixtures. Des. 75,050; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Candle plate for lighting fixtures. Des. 75,051; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Plate for lighting fixtures. Des. 75,052; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,053; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Arm for lighting fixtures. Des. 75,054; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Husk for lighting fixtures. Des. 75,055; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 75,056; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lantern. Des. 75,057; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 75,058; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Bracket back for lighting fixtures. Des. 75,059; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Bracket arm for lighting fixtures. Des. 75,060; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,061; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,062; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,063; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Lighting fixture. Des. 75,064; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Body for lighting fixtures. Des. 75,065; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier body. Des. 75,066; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 75,067; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Tassel for lighting fixtures. Des. 75,068; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier body. Des. 75,069; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 75,070; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 75,071; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Light-fixture body. Des. 75,072; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket back for lighting fixtures. Des. 75,073; May 1.
- Rosenblatt, Isidor, Brooklyn, N. Y. Loop for lighting fixtures. Des. 75,051; June 26.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier. Des. 76,051; Aug. 14.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier. Des. 76,052; Aug. 14.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 76,053; Aug. 14.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier. Des. 76,054; Aug. 14.

- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 76,202; Aug. 28.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier. Des. 77,123; Dec. 4.
- Rosenblatt, Isidor, Brooklyn, N. Y. Chandelier. Des. 77,124; Dec. 4.
- Rosenblatt, Isidor, Brooklyn, N. Y. Wall bracket for lighting fixtures. Des. 77,125; Dec. 4.
- Rosenblatt, Maurice C., Philadelphia, Pa., and S. H. Rosenblatt, Atlantic City, N. J. Preformed acoustic unit. 1,671,208; May 29.
- Rosenblatt, Stanley H. (See Rosenblatt, Maurice C. and S. H.)
- Rosenblum, Arthur A., Utica, N. Y. Apparatus for testing the fermentation of dough. 1,654,897; Jan. 3.
- Rosenburgh, Durwood D., assignor to Taylor Instrument Companies, Rochester, N. Y. Pressure gauge. 1,696,814; Dec. 25.
- Rosencrans, John H., assignor of one-half to J. W. Smith, Detroit, Mich. Securing device for vehicles. Re16,927; Apr. 10.
- Rosencrants, Fay H., Bushey, England, assignor to International Combustion Engineering Corporation. Furnace. 1,694,144; Dec. 4.
- Rosendahl, Nils M., Waterloo, Iowa, assignor to Construction Machinery Company. Hoist. 1,661,307; Mar. 6.
- Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Pipe-wrapping machine. 1,686,929; Oct. 9.
- Rosenfield, Joseph. (See Rosenfield, Louis and J., and Beer.)
- Rosenfeld, Joseph E., Battle Creek, Mich. Tongue-blade holder. 1,666,265; Apr. 17.
- Rosenfield, Louis and J., and S. A. Beer, Brooklyn, N. Y. Paper box. 1,675,314; June 26.
- Rosenheim Company. (See Droz, Theodore A., assignor.)
- Rosenheim Co., Inc. (See Jones, Percival W., assignor.)
- Rosenheimer, Adolph L., jr., assignor to Kewaskum Aluminum Company, Kewaskum, Wis. Waterless cooker. 1,683,805; Sept. 4.
- Rosenqvist, Gunnar, Pittsburgh, Pa. Apparatus for producing articles by electrolytic deposition. Re17,141; Nov. 20.
- Rosenstein, Paul. (See Fisher, Bertram, assignor.)
- Rosenthal, Aaron E., assignor to Beacon Steel Furniture Co., Chicago, Ill. Removable foot for a supporting leg. 1,690,754; Nov. 6.
- Rosenthal, Aaron E., and W. E. Clarin, assignors to Beacon Steel Furniture Co., Chicago, Ill. Folding chair. 1,675,577; July 3.
- Rosenthal, Ambrosius H., Brooklyn, assignor to O. Munk, trustee, New York, N. Y. Radio apparatus. 1,655,243; Jan. 3.
- Rosenthal, Arthur and M., assignors to The Rose Patch and Label Co., Grand Rapids, Mich. Label printing, cutting, and folding means. 1,656,391; Jan. 17.
- Rosenthal, Arthur and M., assignors to Rose Patch and Label Co., Grand Rapids, Mich. Printed label and manufacturing the same. 1,685,140; Sept. 25.
- Rosenthal, August, assignor to Rosenthal Mfg. Company, West Allis, Wis. Corn husker. 1,672,501; June 5.
- Rosenthal, August, assignor to Rosenthal Mfg. Co., West Allis, Wis. Power control device. 1,691,586; Nov. 13.
- Rosenthal, Bernard, Brookline, Mass. Key case. Re-16,946; May 1.
- Rosenthal China Corporation. (See Wesp, George, assignor.)
- Rosenthal, Frank, New York, N. Y. Bottle cap and dispensing straw. 1,680,341; Aug. 14.
- Rosenthal, Hans, Berlin-Wilmersdorf, Germany. Optical signal. 1,656,680; Jan. 17.
- Rosenthal, Julius, Cannstatt-Stuttgart, Germany. Overhead traveling crane for lifting railroad vehicles. 1,685,724; Sept. 25.
- Rosenthal, Louis A., Louisville, Ky. Overalls. 1,690,313; Nov. 6.
- Rosenthal Mfg. Co. (See Rosenthal, August, assignor.)
- Rosenthal, Martin. (See Rosenthal, Arthur and M.)
- Rosentreter, Albert J., Boonton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Elevator-door mechanism. 1,696,327; Dec. 25.
- Rosentreter, Albert J., Boonton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Safety mechanism for elevator-shaft doors. 1,696,328; Dec. 25.
- Rosenzweig, Fred M., Brooklyn, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control system. 1,682,422; Aug. 28.
- Rosenzweig, Fred M., Niagara Falls, assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Electric coupling. 1,686,534; Oct. 9.
- Rosenzweig, Fred M., Niagara Falls, assignor to The Regan Safety Device Company, Inc., New York, N. Y. Speed-control mechanism. 1,690,132; Nov. 6.
- Rosenzweig, Harry. (See Reinsberg, A., and Rosenzweig.)
- Rosenzweig, Siegfried, New York, N. Y. Mounting for machinery. 1,666,149; Apr. 17.
- Rosenzweig, Siegfried, New York, N. Y. Insulating unit for deadening vibration and sound. 1,666,311; Apr. 17.
- Rosenzweig, Siegfried, New York, N. Y. Making sound and vibration insulating units. 1,685,244; Sept. 25.
- Roser, Heinrich, Stuttgart-Cannstatt, Germany. Baking oven. 1,679,989; Aug. 7.
- Roser, Mathias F., Detroit, Mich. Arch support. 1,686,034; Oct. 2.
- Roser, Wilbur F., and A. C. Saxe, Mansfield, Ohio. Pump or engine lubricating system. 1,673,532; June 12.
- Rosholt, Ingelbert E., Minneapolis, Minn. Ensilage harvester with corn-shelling device. 1,688,206; Oct. 16.
- Rosholt, Thorman W., Company. (See Rosholt, T. W., and Cederstrom, assignors.)
- Rosholt, Thorman W., and H. Cederstrom, assignors to Thorman W. Rosholt Company, Minneapolis, Minn. Measuring apparatus for paving machines. 1,684,971; Sept. 18.
- Rosin, Joseph, Philadelphia, Pa., assignor, by mesne assignments, to Merck and Company, Inc., Rahway, N. J. Para-alkyl-oxyphenylglycinamides and preparing the same. 1,672,689; June 5.
- Rosino, Edward J. (See Lutz, Adam N., assignor.)
- Rosman, Joseph, New York, N. Y. Child's convertible rocker. 1,674,741; June 26.
- Rosman, Joseph, New York, N. Y. Necktie retainer. 1,686,469; Oct. 2.
- Rosner, Rudolph, Chicago, Ill. By-pass valve for gas-washing apparatus. 1,677,148; July 17.
- Ross, Allen R., Los Angeles, Calif. Baking pan. 1,671,450; May 29.
- Ross, Charles F., Garrett, Ind. Spring. 1,688,749; Oct. 23.
- Ross, Chester G., Glendale, Calif. Internal-combustion engine. 1,689,689; Oct. 30.
- Ross, Clyde, Tarrytown, N. Y., and J. MacQuaid, assignors to General Motors Corporation, Detroit, Mich. Template for stripping bodies. 1,690,346; Nov. 6.
- Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Making steering-gear-actuating members having varying spiral grooves. 1,687,258; Oct. 9.
- Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Machine for making actuating members for steering gears. 1,687,259; Oct. 9.
- Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Machine for making helically-grooved actuating members for steering gears. 1,687,260; Oct. 9.
- Ross, David E., La Fayette, Ind., and R. L. Harrison, Mandan, N. Dak., assignors to Rostone, Incorporated, La Fayette, Ind. Humidor. 1,658,757; Jan. 17.
- Ross, David N., assignor to David N. Ross, Incorporated, Indianapolis, Ind. Plate-attaching means. 1,657,038; Jan. 24.
- Ross, David N., Incorporated. (See Ross, David N., assignor.)
- Ross, Donald W., and J. M. Lambie, Washington, Pa. Making ceramic articles. 1,690,208; Nov. 6.
- Ross, Donald W., and J. M. Lambie, Washington, Pa. Molding ceramic materials. 1,694,563; Dec. 11.
- Ross, Edward. (See Ross, William and E.)
- Ross, Edward P., Riddlesburg, Pa. Treating pig iron. 1,663,351; Mar. 20.
- Ross, Ernest. (See Farrand, C. L., and Ross.)
- Ross, Ernest. (See Farrand, C. L., Ross, and Godley.)
- Ross, Ernest, East Orange, assignor, by mesne assignments, to Radio Condenser Company, Camden, N. J. Stator-plate adjustment for variable condensers. 1,655,109; Jan. 3.
- Ross, Frederick A., Whitley Bay, England. Antidazzle device. 1,654,666; Jan. 3.
- Ross Gear & Tool Company. (See Ross, David E., assignor.)
- Ross, George D., and G. W. Harlan, Kansas City, Mo. Garage mechanism. 1,668,337; May 1.
- Ross Gould Limited. (See Fabian, Charles, assignor.)
- Ross, Harry, assignor to Fur Guide Machine Corporation, New York, N. Y. Needle plate for fur-sewing machines. 1,677,991; July 24.
- Ross, Herbert O., St. Louis, Mo. File or rack for papers, documents, merchandise, and the like. 1,682,423; Aug. 28.
- Ross, Herbert O., St. Louis, Mo. Index or record. 1,694,517; Dec. 11.
- Ross, Irving W., Chicago, Ill. Stripping machine. 1,682,255; Aug. 28.
- Ross, James, East Cleveland, Ohio. Temperature-control device for heating systems. 1,674,800; June 26.
- Ross, James C. (See Davis, E. P., Ross, and Smith.)
- Ross, James G., assignor of 40 per cent to E. Guyer, Seattle, Wash. Street sign. 1,683,921; Sept. 11.
- Ross, John, St. Albans, N. J. Refractory gas furnace. 1,664,267; Mar. 27.
- Ross, Lloyd L., Des Moines, Iowa, assignor of one-half to C. H. Fennell, Detroit, Mich. Mechanism for rubbing and polishing. 1,673,160; June 12.
- Ross, Louis P., Carthage, Tex. Desk case for watch movements. 1,658,258; Feb. 7.
- Ross, Lucien E., Memphis, Tenn. Automatically-disappearing storm curtain. 1,670,905; May 22.
- Ross, Nathaniel C., Fort Wayne, Ind. Toilet-seat protector. 1,677,211; July 17.
- Ross, Orron C. (See Cook, Louis A., assignor.)
- Ross, Oscar A., New York, N. Y. Musical instrument. 1,691,826; Nov. 13.
- Ross, Oscar A., New York, N. Y. Synchronized machine gun for airplanes. 1,694,488; Dec. 11.
- Ross, Oscar A., Brooklyn, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system or the like. 1,678,577; July 24.

- Ross, Oscar A., New York, assignor to General Railway Signal Company, Gates, N. Y. Automatic train control. 1,681,013; Aug. 14.
- Ross, Oscar A., New York, assignor to General Railway Signal Company, Gates, N. Y. Automatic train-control system or the like. 1,689,253; Oct. 30.
- Ross, Otley B., Novinger, Mo. Stock castrator. 1,686,990; Oct. 9.
- Ross, R. L. and Company Limited. (See Hargreaves, William, assignor.)
- Ross, Raymond R., Milwaukee, Wis. Dyed fabric article and dyeing same. 1,655,973; Jan. 10.
- Ross, Samuel E. (See Scott, B. H., and Ross.)
- Ross, Samuel E. and P. H. Bowlsby, Walkerville, Ontario, Canada. Dispensing device. 1,687,146; Oct. 9.
- Ross, Stafford W. (See Williams, R. T. D., and Ross.)
- Ross Tacony Crucible Company. (See Bacon Charles C., assignor.)
- Ross, Theodore A., assignor of one-third to S. Pappas and one-third to T. Dadas, Chicago, Ill. Oil burner. 1,670,382; May 22.
- Ross, Thomas H., assignor of one-half to R. K. Story, Brooklyn, N. Y. Wrench. 1,657,902; Jan. 31.
- Ross, Victor G., assignor to Seattle Can Company, Seattle, Wash. Automatic stop mechanism. 1,675,426; July 3.
- Ross, Walter C., New York, N. Y. Combination pitcher and drinking glass. Des. 77,259; Dec. 18.
- Ross, Walter J. (See Hondeville, A. I., and Ross.)
- Ross, Warren A., Long Beach, Calif., assignor of one-fourth to D. M. Carter, Chicago, Ill., and one-fourth to T. O. Boyd, Long Beach, Calif. Drilling apparatus. 1,689,455; Oct. 30.
- Ross, William and E., Brooklyn, N. Y. Jointer. 1,683,273; Sept. 4.
- Ross, William H. (See Bryan, H., Ross, and Adams.)
- Ross, William H. (See Turley, T. B., Ross, and Merz.)
- Rossebo, George H. (See Hoke, F., Rossebo, and Collison.)
- Rossi, Louis, assignor of one-half to F. A. Sanford, New York, N. Y. Dispensing device. 1,682,629; Aug. 28.
- Rossi, Paul A., Campbell, Ohio. Attachment for paint-brushes. 1,691,857; Nov. 13.
- Rossi, Peter, Brooklyn, N. Y. Wall covering. 1,685,573; Sept. 25.
- Rossi, Ruggiero, Ellwood City, Pa. Sled. 1,681,686; Aug. 21.
- Rossini, Nicola. (See Lieberman, L. B., and Dunn, assignors.)
- Rössler, Adolf. (See Griessbach, R., Balz, and Rössler.)
- Rössler, Emil R., Smestad, near Oslo, Norway. Advertising device. 1,657,589; Jan. 31.
- Rossman, Agnes R., Scotch Plains, N. J. Service door. 1,671,610; May 29.
- Rossman, Agnes R., Scotch Plains, N. J. Cabinet. 1,671,611; May 29.
- Rossov, Herman, Melvindale, Mich. Self-reversing slicing machine. 1,663,776; Mar. 27.
- Rost, Friedrich, Kunsnacht, near Zurich, Switzerland. Valve. 1,666,583; Apr. 17.
- Rostal, Albert J., Chicago, Ill. Neutralizing bar. 1,663,466; Mar. 20.
- Rostek, Vincent R., Philadelphia, Pa. Brooder for chickens. 1,679,009; July 31.
- Rostone, Incorporated. (See Ross, D. E., and Harrison, assignors.)
- Rostron, Robert, assignor to Crerar, Adams & Co., Chicago, Ill. Track liner. 1,683,099; Sept. 4.
- Rostron, Robert, assignor to Crerar, Adams & Co., Chicago, Ill. Track drill. 1,695,062; Dec. 11.
- Rota, Tony, Seattle, Wash. Building tile and wall construction. 1,679,684; Aug. 7.
- Rotary Carton Machine Company. (See Adsit, Frank W., assignor.)
- Rotary Valve Company. (See Dugger, Oscar L. and C. M., assignors.)
- Rote, Morgan M., assignor to C. J. Reitz, Sunbury, Pa. Hot-air register. 1,690,948; Nov. 6.
- Rote, Morgan M., assignor of one-half to C. J. Reitz, Sunbury, Pa. Expansion means for furnaces. 1,692,576; Nov. 20.
- Rotella, Louis, Montreal, Quebec, Canada. Spark plug. 1,690,702; Nov. 6.
- Roth, Albert, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Maximum-demand device. 1,686,035; Oct. 2.
- Roth, Arnold, Bron, near Lyons, France. Automatic circuit breaker. 1,657,320; Jan. 24.
- Roth, Augusta, Cleveland, Ohio. Combined corselet and brassiere. 1,671,841; May 29.
- Roth Brothers & Co. (See Williams, Ralph T., assignor.)
- Roth, Charles C., and D. A. Campbell, assignors to The Denver Tent & Awning Company, Denver, Colo. Tent. 1,691,411; Nov. 13.
- Roth, Charles H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,656,870; Jan. 17.
- Roth, Charles H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tube mills. 1,679,545; Aug. 7.
- Roth, Edward N., assignor to Roth Manufacturing Company, Chicago, Ill. Hose coupler. 1,671,613; May 29.
- Roth, Edward N., assignor to Roth Manufacturing Company, Chicago, Ill. Flexible pipe joint. 1,690,839; Nov. 6.
- Roth, Ernest W., Los Angeles, Calif. Normal-pressure acid-sludge hydrolysis. 1,682,713; Aug. 28.
- Roth, Ernest W., assignor to General Petroleum Corporation of California, Los Angeles, Calif. Separation of acid-sludge emulsions. 1,665,189; Apr. 3.
- Roth, Ernest W., assignor to General Petroleum Corporation of California, Los Angeles, Calif. Hydrolysis of acid sludge. 1,665,190; Apr. 3.
- Roth, Frederick J., New York, N. Y. Renewable fuse. 1,663,179; Mar. 20.
- Roth, Harry, Detroit, Mich. Adjustable folding horse or scaffold. 1,672,502; June 5.
- Roth, Jacob, Brooklyn, N. Y. Brief case. 1,655,822; Jan. 10.
- Roth, Joseph, assignor of 50 per cent to H. I. Williams, New York, N. Y. Drill attachment. 1,660,579; Feb. 28.
- Roth, Joseph W., New Brunswick, N. J. Sled. 1,676,159; July 3.
- Roth, Louis, Roselle, N. J., assignor to Sterling Bronze Company, New York, N. Y. Ornament for automobile radiator. Des. 74,321; Jan. 24.
- Roth, Louis, Roselle, N. J., assignor, by mesne assignments, to The Frink Corporation, New York, N. Y. Light fixture for bedsteads and other articles. 1,667,741; May 1.
- Roth Manufacturing Company. (See Roth, Edward N., assignor.)
- Roth, Martin A., assignor to Society Le Blan & Cie., Lille, France. Process and apparatus for preparing cotton for spinning. 1,674,702; June 26.
- Roth, Ray S., Fond du Lac, Wis. Motor power reverse gear. 1,670,824; May 22.
- Roth, Robert E., Thomas, W. Va. Emergency repair link. 1,692,577; Nov. 20.
- Roth, Robert T., Philadelphia, Pa. Dental instrument. 1,691,786; Nov. 13.
- Roth, Thomas P., Louisville, Ky. Tube and tire saver. 1,696,503; Dec. 25.
- Rothe, Fritz, Aachen, and H. Brenek, Porz, near Cologne, assignors to the firm Rhenania Verein Chemischer Fabriken A. G., Cologne, Germany. Obtaining pure alumina and alkali-metal carbonates. 1,680,066; Aug. 7.
- Rothe, Fritz, and H. Brenek, assignors to the firm of Rhenania-Kunheim Verein Chemischer Fabriken Aktiengesellschaft, Berlin, Germany. Manufacture of glass containing barium. 1,694,831; Dec. 11.
- Rothe, William C. (See Goertz, F., and Rothe.)
- Rothenberg, Harry, West Norwood, N. J., and O. C. Britsch, Woodhaven, assignors to H. Hyman, Brooklyn, N. Y. Lamp socket. 1,679,338; July 31.
- Rothenberg, Louis S., Brookline, Mass. Amusement and educational device. 1,686,105; Oct. 2.
- Rother, Elwood W., Indianapolis, Ind. Oil burner. 1,677,371; July 17.
- Rother, Rudolph, Tamaqua, Pa. Automobile hoisting device. 1,677,297; July 17.
- Rothera, Harold W., Bradford, England. Receptacle-lid fitting. 1,671,547; May 29.
- Rothgarn, Andrew E., assignor to S. C. Clow, Minneapolis, Minn. Grain separator. 1,689,972; Oct. 30.
- Rothlin, Ernst. (See Bihleer, O., Rothlin, and Peyer.)
- Rothlin, Ernst, and F. Müller, assignors to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Emetine derivatives for therapeutical purposes. 1,686,930; Oct. 9.
- Rothmann, Albert, Heidelberg, and V. Hilcken, Gersthofen, near Augsburg, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Derivative of cinchona alkaloids and making same. 1,660,178; Feb. 21.
- Rothmann, Eduard, Dresden, Germany. Steel-engraving-printing machine. 1,672,343; June 5.
- Rothmann, Gerhard, Herne, Germany. Portable compressor plant. 1,693,183; Nov. 27.
- Rothschild, August S., assignor of one-half to D. R. S., and E. Levi, Buffalo, N. Y. Hookless fastener. 1,675,053; June 26.
- Rothstein, Anna. (See Rothstein, David, assignor.)
- Rothstein, Anna. (See Ulman, Rosana du E., assignor.)
- Rothstein, Anna, Chicago, Ill. Shoulder strap. 1,687,592; Oct. 16.
- Rothstein, David, assignor to A. Rothstein, Chicago, Ill. Garment. 1,661,130; Feb. 28.
- Rothstein, Maurice, Johnstown, Pa. Rosary case. 1,688,471; Oct. 23.
- Rothweller, Charles O., assignor to David White Company, Milwaukee, Wis. Convertible utility level. 1,655,627; Jan. 10.
- Rothweller, George. (See Campbell, L. F., and Rothweller.)
- Roto Tray Company. (See Schneider, Gustav E. and A. B., assignors.)
- Rotor Air Tool Company, The. (See Van Hamersveld, John J. N., assignor.)
- Rottenburg, Henry, Cambridge, England. Plug-and-socket connector and the like. 1,678,082; July 24.
- Rotter, Max, Milwaukee, Wis., assignor to Busch-Sulzer Bros.-Diesel Engine Co., St. Louis, Mo. Electrical power equipment. 1,684,073; Sept. 11.
- Rottgardt, Karl, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Flat electrode for electrical discharge vessels. 1,674,742; June 26.

- Rottler, Clarence T., Seattle, Wash. Grinding and finishing machine. 1,661,505; Mar. 6.
- Rottmann, Fritz, and F. Brohmeyer, Bovinghausen, Germany. Absorption plant for gases and vapors. 1,677,409; July 17.
- Rouanet, Louis, assignor to Compagnie d'Applications Mecaniques, Ivry-Port, France. Hub cap. 1,660,725; Feb. 28.
- Rouanet, Louis, assignor to Compagnie d'Applications Mecaniques, Ivry-Port, France. Split pulley. 1,666,352; Apr. 17.
- Rouanet, Louis, assignor to Compagnie d'applications Mecaniques, Ivry-Port, France. Combination lock. 1,672,425; June 5.
- Rouanet, Louis, assignor to Compagnie d'applications Mecaniques, Ivry-Port, France. Antitheft device for motor vehicles. 1,672,426; June 5.
- Rouanet, Louis, Ivry-Port, assignor to Compagnie a'Applications Mecaniques, Paris, France. Shock absorber. 1,673,268; June 12.
- Rouanet, Louis, assignor to Compagnie d'Applications Mecaniques, Ivry-Port, France. Split pulley. 1,674,376; June 19.
- Rouanet, Louis, assignor to Compagnie d'Applications Mecaniques, Ivry-Port, France. Fixed support for spare wheels. 1,677,212; July 17.
- Roučka, Erich, Blansko, Czechoslovakia. Automatic draft regulator. 1,672,039; June 5.
- Roučka, Erich, Blansko, Czechoslovakia. Regulating combustion. 1,695,470; Dec. 18.
- Roučka, Erich, Blansko, Czechoslovakia. Automatic liquid-feed regulator. 1,695,471; Dec. 18.
- Roučka, Erich, Blansko, Czechoslovakia. Furnace-controlling apparatus. 1,695,472; Dec. 18.
- Rouge, Joseph A., Remiremont, France. Thread guide and cleaner for spinning looms and the like machines. 1,695,743; Dec. 18.
- Rouge, Octave, Paris, France. Amusement device. 1,682,803; Sept. 4.
- Roughan, John E., assignor to W. F. Bossert, Liberty, Ind. Support for concrete-reinforcing members. 1,672,852; June 5.
- Roughan, John E., assignor to W. F. Bossert, Liberty, Ind. Clamp-applying tool. 1,692,954; Nov. 27.
- Roule, John B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Safety device. 1,691,129; Nov. 13.
- Roule, John B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Safety device. 1,691,130; Nov. 13.
- Round, Henry J., London, England, assignor to Radio Corporation of America. Telephone transmitter. 1,676,668; July 10.
- Round, Henry J., London, England, assignor to Radio Corporation of America. Telephone and the like. 1,690,840; Nov. 6.
- Bounds, John W., assignor of one-half to J. W. Anderson, Boscobel, Wis. Combined folding box and paste board. 1,663,525; Mar. 20.
- Rounseville, Elizabeth. (See Rounseville, Phillip and E.)
- Rounseville, Phillip and E., New Orleans, La. Backed and interlined bow for use with arrows. 1,672,543; June 5.
- Roura, Jean, Nerac, France. Device for supporting ties. 1,667,679; Apr. 24.
- Rouse, Charles R., Swissvale, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Cage-adjusting mechanism for crushing machinery. 1,695,562; Dec. 18.
- Rouse, H. B., & Company. (See Knoll, William J., assignor.)
- Rouse, H. B., & Company. (See Rouse, Harry B., assignor.)
- Rouse, H. B., & Company. (See Stephan, Frank J., assignor.)
- Rouse, Harry B., assignor to H. B. Rouse & Company, Chicago, Ill. Cutting tool. 1,688,660; Oct. 23.
- Roush, Clarence P., Spokane, Wash. Folding machine. 1,678,917; July 31.
- Roush, George K. (See Harris, C. A., and Roush.)
- Rousmaniere, Williams & Co. (See Kirchhoff, Ernest, assignor.)
- Rousseas, Peter G., Brooklyn, N. Y. Coffee urn and biggin. 1,695,347; Dec. 18.
- Rousseau, Joseph E., and L. O. Brunelle, Haverhill, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Wood-heel clamp. 1,671,128; May 29.
- Rousseau, Joseph L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Method and apparatus for producing printing surfaces. 1,671,129; May 29.
- Rousselot, Louis J., New York, N. Y. Holder for teapots and other containers. 1,680,637; Aug. 14.
- Routledge, Frederick J., Monroe, Mich. Starting switch and control pedal for motor vehicles. 1,660,456; Feb. 28.
- Routledge, Gerald, Oakland, and A. O. Norling, Alameda, assignors to Hutchinson Co., Oakland, Calif. Concrete mixer. 1,692,280; Nov. 20.
- Routsos, John N., Atlanta, Ga. Percolator. 1,680,571; Aug. 14.
- Routt, Orville L., and R. M. Greenleaf, assignors to Plastoid Products, Inc., Los Angeles, Calif. Plaster-board lath. 1,668,869; May 8.
- Roux, John A., Tenafla, N. J. Process and apparatus for producing filaments. 1,683,055; Sept. 4.
- Roux, John A., Tenafla, N. J. Process and apparatus for producing filaments. 1,683,056; Sept. 4.
- Rovere, Lewis H., Richmond, assignor to The Western Union Telegraph Company, New York, N. Y. Connecting block for electric wiring. 1,659,303; Feb. 14.
- Rovick, Max I., Chicago, Ill. Ballet slipper. 1,689,535; Oct. 30.
- Rowan, Albert J., assignor to Payton & Kelley Co., Providence, R. I. Decorated tube. Des. 76,323; Sept. 11.
- Rowan, Francis M., Bessemer, Ala. Heat-conductivity apparatus. 1,680,688; Aug. 14.
- Rowan, William H. (See Alexander, R. B., and Rowan.)
- Rowe, Ardello M. and C. O., Bellingham, Wash. Automatic moving-target shooting gallery. 1,683,808; Sept. 11.
- Rowe, Charles R., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Electromagnetic sound-producing system. 1,672,173; June 5.
- Rowe, Claude O. (See Rowe, Ardello M. and C. O.)
- Rowe, Frederick A., Vancouver, British Columbia, Canada. Spectacles. 1,685,725; Sept. 25.
- Rowe, George E., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Transfer device for glassware. 1,691,497; Nov. 13.
- Rowe, Irving R. (See Bradley, E. E., and Rowe.)
- Rowe, Joseph E., Williamsburg, Va. Calculating instrument. 1,661,095; Feb. 28.
- Rowe, Joseph E., Williamsburg, Va. Mathematical instrument. 1,661,096; Feb. 28.
- Rowe, Lawrence V., Portland, Me. Golf club. 1,657,972; Jan. 31.
- Rowe Manufacturing Company. (See Wilson, Douglas A., assignor.)
- Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Car liner. 1,678,356; July 24.
- Rowell, Ralph K., West Palm Beach, Fla., assignor to Landis Tool Company, Waynesboro, Pa. Automatic cam-grinding machines. 1,675,466; July 3.
- Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Telemetric summation system. 1,655,244; Jan. 3.
- Rowland, Douglas H., Shawnee, Okla. Overshot. 1,663,614; Mar. 27.
- Rowland, Dudley H., Detroit, Mich., assignor to American Ichthyol Oil Company, San Antonio, Tex. Sulpho-ichthyolate of ammonium and process of manufacture. 1,664,376; Mar. 27.
- Rowland, Francis J. (See Oosterink, J. W., and Rowland.)
- Rowland, Lewis C., Herkimer, and C. W. Rundlett, Jackson Heights, assignors to Mot-Acs, Incorporated, New York, N. Y. Heating radiator for automobiles. 1,668,420; May 1.
- Rowlands, Percy O., Birmingham, England. Change-speed gearing. 1,676,802; July 10.
- Rowledge, Arthur J. (See Royce, F. H., and Rowledge.)
- Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Alarm mechanism. 1,661,050; Feb. 28.
- Rowley, Benjamin F., assignor of one-third to W. J. Allen and one-third to T. L. Bishop, Jackson, Tenn. Running-board saddle. 1,693,994; Dec. 4.
- Rowley, Clifford A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Width maintainer for continuous sheet glass. 1,681,258; Aug. 21.
- Rowley, Edward G., Belleville, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. 1,659,553; Feb. 14.
- Rowley, Edward G., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,679,744; Aug. 7.
- Rowley, Edward G., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,878; Aug. 7.
- Rowley, Edward G., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,230; Aug. 7.
- Rowley, Frederick I., St. Paul, Minn. Crosshead puller. 1,674,301; June 19.
- Rowley, James L., assignor to Shaw-Walker Company, Muskegon, Mich. Card index. 1,692,140; Nov. 20.
- Rowley, James M., Buffalo, N. Y. Water heater. 1,693,254; Nov. 27.
- Rowley, William S., and H. W. Butterworth, jr., Philadelphia, Pa., assignors to H. W. Butterworth & Sons Company. Operating textile ranges. 1,692,955; Nov. 27.
- Rowlson, Charles R. (See Oldfield, L., and Rowlson.)
- Rowntree and Company Limited, of the Cocoa Works. (See Fernbach, A., and Yuill, assignors.)
- Rowntree, Harold, Scarsdale, assignor to National Pneumatic Company, New York, N. Y. Electrically-operated door. 1,666,916; Apr. 24.
- Rowntree, Harold, assignor to National Pneumatic Company, New York, N. Y. Door-closing mechanism. 1,674,662; June 26.
- Roxana Petroleum Corporation. (See Carney, Samuel C., assignor.)
- Roxana Petroleum Corporation. (See Tijmstra, Sijbren, assignor.)
- Royal Baking Powder Company. (See Paulus, Herman W., assignor.)
- Royal Card & Paper Co. (See Baron, Abner, assignor.)
- Royal Comb Company. (See Holden, Crofton C., assignor.)

- Royal Electrotype Company. (See Blaetz, Harry M., assignor.)
- Royal Electrotype Company. (See Maginnis, William J., assignor.)
- Royal Metal Lighting Fixture Co. (See Brown, Max, assignor.)
- Royal Metal Works. (See Clausing, Louis F., assignor.)
- Royal Muralite Corporation, Inc. (See Allison, Richard H., assignor.)
- Royal Railway Improvements Corporation. (See Sauvage, William H., assignor.)
- Royal, Roscoe, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,673,024; June 12.
- Royal, Thomas M., Philadelphia, Pa. Paper for wiping engraved printing plates. 1,671,612; May 29.
- Royal Typewriter Company. (See Degener, Gustave O., assignor.)
- Royal Typewriter Company. (See Handley, George F., assignor.)
- Royal Typewriter Company. (See Hess, Edward B., assignor.)
- Royal Typewriter Company. (See Myers, Lewis C., assignor.)
- Royal Typewriter Company. (See Myers, L. C., and Handley, assignors.)
- Royal Weaving Co. (See Ott, Joseph, assignor.)
- Royal Worcester Corset Company, The. (See Spalding, George W., assignor.)
- Royalton Manufacturing Company. (See Percival, Charles F., assignor.)
- Royan, George. (See Notz, F., and Royan.)
- Royce, Charles F., assignor to Heminway & Bartlett Silk Company, Watertown, Conn. Thread-spooler guide. 1,662,475; Mar. 13.
- Royce, Frederick H., Elmstead, West Wittering, near Chichester, assignor to Rolls-Royce Limited, Nightingale Road, Derby, England. Brake system for vehicles. 1,661,963; Mar. 6.
- Royce, Frederick H., Elmstead, West Wittering, near Chichester, assignors to Rolls-Royce Limited, Derby, England. Cooling device for the cylinders of internal-combustion engines. 1,692,385; Nov. 20.
- Royce, Frederick H., West Wittering, near Chichester, and A. J. Knowledge, Ellerslie, assignors to Rolls-Royce Limited, Derby, England. Brake for road vehicles. 1,672,091; June 5.
- Royce, Frederick H., West Wittering, near Chichester, assignor to Rolls-Royce Limited, Derby, England. Internal-combustion engine. 1,689,893; Oct. 30.
- Royce, Frederick H., West Wittering, near Chichester, assignor to Rolls-Royce Limited, Derby, England. Steering mechanism for mechanically-driven road vehicles. 1,695,664; Dec. 18.
- Royem, Carsten, assignor to H. W. Guettler, Chicago, Ill. Barking drum. 1,655,628; Jan. 10.
- Royer Foundry & Machinery Company. (See Royer, George F., assignor.)
- Royer, George F., assignor to Royer Foundry & Machine Company, Wilkes-Barre, Pa. Mechanical loading device. 1,694,145; Dec. 4.
- Royer, George F., assignor to Royer Foundry & Machine Company, Wilkes-Barre, Pa. Machine for preparation of molder's sand. 1,694,355; Dec. 4.
- Royer, George F., assignor to Royer Foundry & Machine Co., Wilkes-Barre, Pa. Sand collecting and treating machine. 1,694,356; Dec. 4.
- Royer, Georges G., Paris, France. Thermostat. 1,663,566; Mar. 27.
- Royle, Vernon, Paterson, N. J. Apparatus for distributing powdered material. 1,659,577; Feb. 21.
- Royle, Vernon, Paterson, N. J. Routing machine. 1,667,394; Apr. 24.
- Royle, Vernon, Paterson, N. J. Oiler for high-speed routers. 1,671,783; May 29.
- Royle, Vernon, Paterson, N. J. Router. 1,674,302; June 19.
- Royle, Vernon, Paterson, N. J. Strainer head for tubing machines. 1,684,203; Sept. 11.
- Royle, Vernon, Paterson, N. J. Apparatus for distributing powdered material. 1,686,256; Oct. 2.
- Roys, Lawrence, Moline, Ill. Boat building. 1,679,630; Aug. 7.
- Roys, Ruby, Portland, Oreg. Toy elephant. Des. 75,289; May 22.
- Royster, Percy H., and W. W. Odell, Minneapolis, Minn. Separating various constituents from mixed materials and apparatus for accomplishing said separation. 1,663,863; Mar. 27.
- Rozinek, Arthur. (See Szikla, G., and Rozinek.)
- Rozowsky, Alfred, New York, N. Y. Candy package. Des. 74,522; Feb. 21.
- Rozowsky, Alfred, Brooklyn, N. Y. Box. 1,683,100; Sept. 4.
- Rubber and Celluloid Products Company. (See Albright, Andrew, Jr., assignor.)
- Rubber Latex Research Corporation. (See Day, Morgan R., assignor.)
- Rubber Latex Research Corporation, The. (See Wescott, William B., assignor.)
- Rubber Products Company, The. (See Whisler, Chauncy P., assignor.)
- Rubber Service Laboratories Company, The. (See Cranz, James M., assignor.)
- Rubber Service Laboratories Co. The. (See Hand, Carl N., assignor.)
- Rubber Service Laboratories Co., The. (See Hand, C. N., and Roberts, assignors.)
- Rubber Service Laboratories Company, The. (See North, Clayton O., assignor.)
- Rubber Service Laboratories Co., The. (See North, C. O., and Christensen, assignors.)
- Rubber Service Laboratories Co., The. (See North, C. O., and Scott, assignors.)
- Rubber Service Laboratories Company, The. (See Scott, Winfield, assignor.)
- Rubber Service Laboratories Company, The. (See Ter-Horst, William P., assignor.)
- Ruben Rectifier Corporation of Delaware. (See Ruben, Samuel, assignor.)
- Ruben, Samuel, New York, N. Y. Soldering material. 1,663,141; Mar. 20.
- Ruben, Samuel, New York, N. Y. Radiosignaling. 1,676,748; July 10.
- Ruben, Samuel, New York, N. Y. Increasing the conductivity of metals. 1,683,209; Sept. 4.
- Ruben, Samuel, New York, N. Y. Leading-in conductor. 1,692,998; Nov. 27.
- Ruben, Samuel, New York, N. Y. Photosensitive cell. 1,694,189; Dec. 4.
- Ruben, Samuel, New York, N. Y. Photo-electric cell. 1,694,190; Dec. 4.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation of Delaware. Electric-current rectifier. 1,678,824; July 31.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric-current rectifier. 1,678,825; July 31.
- Ruben, Samuel, New York, N. Y., assignor to Ruben Rectifier Corporation, Englewood, N. J. Electric-current rectifier. 1,678,826; July 31.
- Rubenstein, Harry, Brooklyn, N. Y. Apparatus and method for producing knitted fabrics. 1,683,699; Sept. 11.
- Rubenstein, Nathan, New York, N. Y. Steam pressing iron. 1,672,040; June 5.
- Ruberoid Company, The. (See Abraham, Herbert, assignor.)
- Rubin, Adolph, assignor to Sieber Products Manufacturing Company, St. Louis, Mo. Adjustable slide structure. 1,671,784; May 29.
- Rubin, Adolph, assignor to Sieber Products Manufacturing Company, St. Louis, Mo. Loose-leaf binder. 1,685,957; Oct. 2.
- Rubin, Benjamin, Philadelphia, Pa. Detachable tread member. 1,696,058; Dec. 18.
- Rubin, Frederick W. and H. E., Indianapolis, Ind.; said H. E. Rubin assignor to said Frederick W. Rubin. Automatic and remote humidity control. 1,662,283; Mar. 13.
- Rubin, Harry E. (See Rubin, Frederick W. and H. E.)
- Rubin, Louis, Philadelphia, Pa. Underwear. 1,662,400; Mar. 13.
- Rubin, Mendel. (See Vermes, A., and Rubin.)
- Rubin, Milton H., New York, N. Y. Shuttle. 1,661,308; Mar. 6.
- Rubinstein, Hans, Vienna, Austria. Manufacture of double carbonate of sodium and magnesium. 1,684,782; Sept. 18.
- Rubinstein, Leo, Vienna, Austria. Machine for drying veneers. 1,694,489; Dec. 11.
- Rubottom, Clyde E. (See Wagner, C. R., and Rubottom.)
- Rubottom, Z. (See Nees, B. M., and Rubottom.)
- Rubovits, Walter I., Chicago, Ill. Soap dish. 1,674,066; June 19.
- Rub-Tex Products, Inc. (See Klug, Louis E., assignor.)
- Ruby, Edward B., Kansas City, Kans. Garment drier. 1,670,423; May 22.
- Ruby, George H. A., East Grand Rapids, Mich. Gypsum-block machine. 1,692,420; Nov. 20.
- Ruby, William A., Los Angeles, Calif. Multiple-exposure attachment for cameras. 1,678,641; June 12.
- Ruck, Peter, Brooklyn, and M. Schutz, assignors to S. Lewis, New York, N. Y. Boiler-tube cleaner. 1,667,169; Apr. 24.
- Ruckel, Harvey H., Pittsburgh, Pa. Static eliminator. 1,681,788; Aug. 21.
- Ruckelshaus, John G., Newark, N. J. Magnetic motor. Re16,892; Feb. 28.
- Ruckelshaus, John G., Newark, N. J. Sign flasher. 1,681,194; Aug. 21.
- Ruckelshaus, John G., Newark, N. J., assignor, by mesne assignments, to Pantum Mirror, Inc., New York, N. Y. Display device. 1,683,263; Sept. 4.
- Rucker, John W., Coolidge, Kans. Insectproof screen for gasoline lamps. 1,670,523; May 22.
- Ruckert, Harry E., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Machine for forming articles from sheet material. 1,659,162; Feb. 14.
- Ruckert, Harry E., assignor to Sanitary Products Corporation of America, Philadelphia, Pa. Mechanism for counting and stacking articles. 1,695,982; Dec. 18.
- Ruckstell Sales & Manufacturing Company. (See Burkhardt, Harry L., assignor.)
- Ruckstell Sales and Manufacturing Company. (See Hall, Elbert J., assignor.)
- Rudd, Henry A., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Card matches. 1,658,355; Feb. 7.

- Rude, John F., Liberty, Ind. Harrow. 1,689,053; Oct. 23.
- Rudeen, Ansel B., Axtel, Kans. Animal trap. 1,687,737; Oct. 16.
- Rudeman, Louis, The Hague, Netherlands. Manufacture of fuel briquettes. 1,674,179; June 19.
- Ruden, Annie and E. H., Seattle, Wash. Man's undergarment. 1,673,092; June 12.
- Ruden, Ellis H. (See Ruden, Annie and E. H.)
- Rüdenberg, Reinhold, Charlottenburg, near Berlin, Germany, assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Induction motor. 1,671,483; May 29.
- Rüdenberg, Reinhold, Berlin-Grünwald, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Suppressing harmonics of the transmitting line frequency. 1,659,706; Feb. 21.
- Rüdenberg, Reinhold, Berlin-Grünwald, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Arrangement or system for operating mechanical rectifiers for alternating current. 1,690,553; Nov. 6.
- Rüdenberg, Reinhold, Berlin-Grünwald, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Oscillograph. 1,695,719; Dec. 18.
- Rüdenberg, Reinhold, Berlin-Grünwald, R. G. Berthold, Berlin-Siemensstadt, and K. Bonat, Berlin-Charlottenburg, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Device for breaking the connections of electric circuits. 1,681,196; Aug. 21.
- Rudert, Franz, Halle-Saale, Germany. Fastening device for rails. 1,657,903; Jan. 31.
- Rudge-Whitworth, Limited. (See Pugh, John V., assignor.)
- Rudic, Mary, Philadelphia, Pa. Gas-range closure casing. 1,661,964; Mar. 6.
- Rudiger, Edward A., Baltimore, Md., assignor to Standard Oil Development Company. Refining oils. 1,656,710; Jan. 17.
- Rudiger, Edward A., Baltimore, Md., assignor to Standard Oil Development Company. Making asphalt. 1,673,533; June 12.
- Rudin, Joseph, Brooklyn, N. Y. Combination ladle and strainer. 1,677,120; July 10.
- Rudlin, Frederick W., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,660,528; Feb. 28.
- Rudolf, Barnett, Bayonne, N. J. Saw-sharpening machine. 1,679,377; Aug. 7.
- Rudolph, Alfred J., Philadelphia, Pa. Holding device. 1,689,643; Oct. 30.
- Rudolph, Corrie F. (See Crossley, A., and Rudolph.)
- Rudolph Koepf & Co. (See Eld, Egon, assignor.)
- Rudolph, Walter H., West Hartford, and L. V. Lucia, assignors to The Fuller Brush Company, Hartford, Conn. Brush. 1,659,707; Feb. 21.
- Rudolph, Walter J., assignor to Jas. P. Marsh & Company, Chicago, Ill. Valve. 1,674,743; June 26.
- Rudolph, Wilhelm, assignor to the firm Signal Gesellschaft m. b. H., Kiel, Germany. Acoustical apparatus for telephonic communication. 1,692,868; Nov. 27.
- Rudolph, Wilhelm, and G. Wolff, assignors to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Submarine direction finder. 1,684,848; Sept. 18.
- Rudman, Mark. (See Rudman, Maude, assignor.)
- Rudman, Maude, assignor to M. Rudman, Indianapolis, Ind. Composite elastic top lift for shoe heels. 1,696,173; Dec. 18.
- Rudy, Abraham, Washington, D. C. Soaring helicopter. 1,680,175; Aug. 7.
- Rue, Hans, Los Angeles, Calif. Butt extinguisher and tray. 1,678,406; July 24.
- Rueckert, Curtis, assignor to Mathias Klein & Sons, Chicago, Ill. Blowtorch burner. 1,676,352; July 10.
- Ruedy, Julius M., assignor to Lichtenberger-Ferguson Company, Los Angeles, Calif. Play ball. 1,672,174; June 5.
- Rueff, Renée, assignor to Société Economique de Paris, Paris, France. Vessel with handles. 1,681,197; Aug. 21.
- Ruegg, Henri, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Safety device for machine control. 1,687,107; Oct. 9.
- Rüegg, Jean, Feldbach, near Zurich, Switzerland. Reel. 1,658,304; Feb. 7.
- Ruegg, Leonard, et al., trustees. (See Buchet, C. R., and Baker, assignors.)
- Ruegg, Paul, assignor to S. A. Rice, San Francisco, Calif. Speed signal switch. 1,663,098; Mar. 20.
- Rüegger, Eduard, Zurich, Switzerland. Automatic refrigerating machine. 1,659,163; Feb. 14.
- Rueggesser, Walter, Lugano, assignor to the firm A. G. Prior, Glarus, Switzerland. Cup-shaped burner for liquid fuel with combustion cup. 1,658,655; Feb. 7.
- Ruchmeier, Frank H., Latonia, Ky. Meter for taxicabs. 1,680,639; Aug. 14.
- Ruemelin, Richard, St. Paul, Minn. Sand-blast tumbler. 1,656,238; Jan. 17.
- Ruemelin, Richard, St. Paul, Minn. Sand-blast curtain. 1,676,576; July 10.
- Rueppel, Walter, and L. Cone, Princeton, assignors, by mesne assignments, of one-sixth to B. M. Cone and one-sixth to G. A. Cone, Princeton, Idaho. Brake. 1,695,665; Dec. 18.
- Ruete, William T., New York, N. Y., assignor to General Electric Company. Ceiling box. 1,684,245; Sept. 11.
- Ruetz, August, and R. G. Dallmann, Milwaukee, Wis. Towel support. 1,691,412; Nov. 13.
- Ruf, Alfons, Zurich, Switzerland. Manifolding device. 1,671,209; May 29.
- Ruff, De Witt C., 2d, St. Paul, and J. H. Healy, Mahtomedi, assignors to J. A. and J. H. Healy and D. W. Hickey, St. Paul, Minn. Radiator hanger. 1,666,866; Apr. 17.
- Ruff, Guy M., Los Angeles, Calif. Duplex toothbrush. 1,679,946; Aug. 7.
- Ruffing, John, sr., assignor of one-half to W. D. Gardels, Nokomis, Ill. End door for coal cars. 1,656,569; Jan. 17.
- Ruffio, Louis, New York, N. Y. Woman's headdress. 1,665,380; Apr. 10.
- Ruffio, Louis, New York, N. Y. Control device. 1,694,797; Dec. 11.
- Ruffner, Earl, Wichita Falls, Tex. Hand truck. 1,689,156; Oct. 23.
- Ruffner, James E., Jeannette, Pa. Washing machine. 1,664,792; Apr. 3.
- Rufner, Meyer E., Washington, D. C., assignor to Potato Waffles, Inc., New York, N. Y. Food products and making the same. 1,676,160; July 3.
- Rufie, Fred J., Lander County, Nev. Animal trap. 1,690,755; Nov. 6.
- Ruffy, Henry E. (See Russell, J. F., and Ruffy.)
- Ruger, Albert C. (See Hansen, A. E., and Ruger.)
- Rüggerberg, Carl E., Remscheid, Germany. Device for firmly attaching exchangeable blades to hose, mattocks, or the like. 1,684,849; Sept. 18.
- Ruggiero, A. L., et al. (See Gatterio, Elia, assignor.)
- Ruggiero, John, New York, N. Y. Can-handling device and bearing. 1,678,483; July 24.
- Ruggles, Horace F., Brooklyn, N. Y. Hoisting and weighing means. 1,687,894; Oct. 16.
- Ruggles-Klingemann Manufacturing Company. (See Kimball, James L., assignor.)
- Ruggles, Leonard L., Wheaton, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,687,950; May 1.
- Ruggles, Leonard L., Wheaton, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,685,379; Sept. 25.
- Ruggles, Leonard L., Wheaton, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Telephone system. 1,693,962; Dec. 4.
- Ruggles, William A. (See Brophy, D. H., and Ruggles.)
- Ruggles, William A., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge device. 1,665,896; Apr. 10.
- Ruhl, Gottlieb H., Fort Morgan, Colo. Farmer's land leveler. 1,671,999; June 5.
- Ruhl, Joseph P. (See Booth, H. S., and Ruhl.)
- Ruhling, Bernard A., Elkhart, Ind. Sheet rubber. 1,677,372; July 17.
- Ruhrer, Ernst, deceased, Berlin Germany, by E. Gruhl, assignee, assignor to Wired Radio, Inc., New York, N. Y. Multiple telephony. Re17,158; Dec. 11.
- Ruhnau, Richard, assignor of one-half to M. Stern, Essen-Ruhr, Germany. Optical system. 1,685,646; Sept. 25.
- Ruhren, John J., Guttenberg, N. J., assignor to H. S. Vipond, and W. B. Leitch, Montreal, Canada. Warp tension and let-off. 1,666,835; Apr. 17.
- Ruiz, Charles, New York, N. Y. Washing machine. 1,660,427; Feb. 28.
- Rulison, William, Rahway, N. J., assignor to Merck & Co., New York, N. Y. Device for holding and centering corks for use in connection with corking machines. 1,659,049; Feb. 14.
- Rullison, Earl A. (See Tillotson, H. C., Rullison, and McKinley.)
- Rulon, Watson B., Philadelphia, Pa. Forming reconstructed carbonaceous fuel. 1,656,364; Jan. 17.
- Rulon, Watson B., Philadelphia, Pa. Apparatus for forming reconstructed carbonaceous material. 1,674,129; June 19.
- Rumely, Vincent P., assignor to Hudson Motor Car Company, Detroit, Mich. Vehicle anchoring device. 1,693,184; Nov. 27.
- Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
- Rumney, Fred A., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-inserting machine. 1,678,877; July 31.
- Rumpel, Harvey H., assignor to Smith Engineering Works, Milwaukee, Wis. Crusher. 1,691,553; Nov. 13.
- Rumpf, Herman and I., San Francisco, Calif. Curtain ring. 1,659,637; Feb. 21.
- Rumpf, Irwin. (See Rumpf, Herman and I.)
- Rumisch, Emil, Forst-Lausitz, Germany. Mangle with variable-pressure rollers. 1,659,708; Feb. 21.
- Rumsey, Amos B. (See Alfathier, F. M., Archer, and Rumsey.)
- Rumsey, Amos B., assignor to Covington Machine Company, Inc., Covington, Va. Steam-hose coupling-assembling head. 1,655,643; Jan. 10.
- Rundell, Fred T. (See Davies, D. G., and Rundell.)
- Rundell, Rupert B., Rockville Center, N. Y., assignor to Lakewest Corporation. Machine for crimping plastic caps on bottles. 1,660,848; Feb. 28.

- Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Scrap-bunch machine. 1,672,503; June 5.
- Rundgren, Edward M., assignor to Western Architectural Iron Company, Chicago, Ill. Window framing. 1,661,198; Mar. 6.
- Rundle, Roy H., Burlingame, Calif. Luminescent tube. 1,680,572; Aug. 14.
- Rundlett, Carl W. (See Rowland, L. C., and Rundlett.)
- Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,668,870; May 8.
- Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling mechanism. 1,684,888; Sept. 18.
- Rundqvist, Thore R. E., Claremont, N. H., assignor to Sullivan Machinery Company. Drill mechanism. 1,690,504; Nov. 6.
- Runge Corn Harvester Company. (See Jett, George C., assignor.)
- Runge, Otto, C., Baltimore Md., assignor to Standard Oil Development Company. Tube cleaner. 1,681,886; Aug. 21.
- Runge, Walter, East Orange, N. J., assignor, by mesne assignments, to International Coal Carbonization Company. Carbonization of coal. 1,669,023; May 8.
- Runge, Walter, East Orange, N. J., assignor, by mesne assignments, to International Coal Carbonization Company. Carbonization of coal. 1,669,024; May 8.
- Runkle, Harry M. (See Battelle, G., Runkle, and Tobin.)
- Runkwitz, Arthur. (See Jahn, G., and Runkwitz.)
- Runne, Henry G., Rochester, N. Y. Direction indicator for motor vehicles. Des. 74,576; Feb. 28.
- Runner, Claude C., Schenectady, N. Y., assignor to General Electric Company. Control system and apparatus for electrical devices. 1,672,690; June 5.
- Runner, Claude C., Schenectady, N. Y., assignor to General Electric Company. Motor-control apparatus. 1,683,210; Sept. 4.
- Runyan, Arthur L., Omaha, Nebr., assignor to Talk-A-Print, Trust; A. L. Runyon, trustee. Mechanism for selectively reproducing characters and sounds. 1,655,510; Jan. 10.
- Runyan, Mary I., Elizabeth, N. J. Automobile kit. 1,656,339; Jan. 17.
- Runyan, William B., Dayton, Ohio. Metallurgical briquette and using it. 1,666,312; Apr. 17.
- Runyan, William B., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Method of and apparatus for preparing binding material for cores. 1,688,661; Oct. 23.
- Runyon, Arthur L., trustee. (See Runyan, Arthur L., assignor.)
- Runzel-Lenz Electric Manufacturing Company. (See Lenz, Jacob M., assignor.)
- Rupe, Hans, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Unsaturated aldehydes and in the manufacture thereof. 1,670,825; May 22.
- Rupe, Hans, Basel, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Hydrocyclic-aminoalkyl compound and making same. 1,670,990; May 22.
- Ruppert, George G., Decatur, Ill. Drowning ring for animal traps. 1,667,566; Apr. 24.
- Rupley, William E., Los Angeles, assignor to Western Pipe & Steel Company of California, San Francisco, Calif. Electric welding apparatus. 1,668,783; May 8.
- Rupley, William E., Los Angeles, assignor to Western Pipe & Steel Company of California, San Francisco, Calif. Method of and apparatus for making stovepipe casings. 1,679,499; Aug. 7.
- Rupley, William E., Los Angeles, assignor to Western Pipe and Steel Company of California, San Francisco, Calif. Welded pipe. 1,687,895; Oct. 16.
- Rupley, William E., Los Angeles, assignor to Western Pipe & Steel Company of California, San Francisco, Calif. Circular-seam-welding apparatus. 1,696,455; Dec. 25.
- Rupp, Guy A. (See Snelling, W. O., and Rupp.)
- Rupp, Henry J., assignor to Gem City Stove Manufacturing Company, Quincy, Ill. Stove casing or similar article. Des. 75,290; May 22.
- Rupp, Henry J., Quincy, Ill., assignor to Gem City Stove Manufacturing Co. Downdraft heater. 1,687,638; Oct. 16.
- Ruppel, Frederick C., Grand Rapids, Mich. Automobile radiator cap. Des. 75,588; June 19.
- Ruppel, Frederick C., Grand Rapids, assignor to General Motors Corporation, Detroit, Mich. Automobile radiator-cap emblem. Des. 75,291; May 22.
- Ruppel, Frederick C., Grand Rapids, assignor to Hudson Motor Car Company, Detroit, Mich. Radiator cap. Des. 76,761; Oct. 30.
- Ruppel, Frederick C., Grand Rapids, assignor to Hudson Motor Car Company, Detroit, Mich. Radiator cap. Des. 76,762; Oct. 30.
- Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Radiator ornament. Des. 76,823; Nov. 6.
- Ruppelt, Clarence E., Canonsburg, Pa. Lock seam for pipe sections. 1,673,642; June 12.
- Ruppert, Austin J., Forrester, Ill. Weighing and measuring machine. 1,658,943; Feb. 14.
- Rüsberg, Friedrich, Mannheim, and P. Schmid, Mannheim-Wohlegegen, assignors to the firm Rhenania-Kunheim Verein Chemischer Fabriken A.-G., Berlin, Germany. Producing zirconium compounds. 1,681,195; Aug. 21.
- Rusch, Mathew E., St. Paul, Minn. Traffic regulator. 1,664,947; Apr. 3.
- Ruszkowski, Stanislaus, Los Angeles, Calif. Carrousel. 1,673,885; June 19.
- Russell, William J., Wolverhampton, England. Pump for liquids or hydraulic motor. 1,676,114; July 3.
- Ruse, Thomas W., and E. A. Cox, Perth, Western Australia, assignors of one-third to R. Glenn, Mount Hawthorn, near Perth, Australia. Convertible dining and billiard table. 1,661,965; Mar. 6.
- Rush, Felix J., New York, N. Y. Book support. 1,682,053; Aug. 28.
- Rush, Turner C., assignor of one-half to L. B. Ingels, Lexington, Ky. Window guard. 1,660,236; Feb. 21.
- Rush, W. S., & Company. (See Phillips, Raymond C., assignor.)
- Rush, William J. (See Fork, Charles H., assignor.)
- Rushe, Nick, Detroit, Mich. Toilet device. 1,663,282; Mar. 20.
- Rushmore, Samuel W., Plainfield, N. J. Engine-cooling system. 1,657,590; Jan. 31.
- Rushmore, Samuel W., Plainfield, N. J. Internal-combustion engine. 1,658,463; Feb. 7.
- Rushmore, Samuel W., Plainfield, N. J. Internal-combustion engine. 1,658,464; Feb. 7.
- Rushmore, Samuel W., Plainfield, N. J. Condenser for motor-cooling systems. 1,662,440; Mar. 13.
- Rushmore, Samuel W., Plainfield, N. J. Internal-combustion engine. 1,669,675; May 15.
- Rushmore, Samuel W., Plainfield, N. J. Lubricating and oil-separator apparatus. 1,678,272; July 24.
- Rushmore, Samuel W., Plainfield, N. J. Cooling system. 1,678,484; July 24.
- Rushmore, Samuel W., Plainfield, N. J. Combined engine-cooling and car-heating system. 1,683,101; Sept. 4.
- Rushmore, Samuel W., Plainfield, N. J. Lubricating system for internal-combustion engines. 1,689,752; Oct. 30.
- Rushmore, Samuel W., Plainfield, N. J. Engine-cooling system. 1,690,703; Nov. 6.
- Rushmore, Samuel W., Plainfield, N. J. Cooling system. 1,690,841; Nov. 6.
- Rushmore, Samuel W., Plainfield, N. J. Steam-cooling apparatus. 1,691,614; Nov. 13.
- Rushmore, Samuel W., Plainfield, N. J. Engine-cooling system. 1,694,397; Dec. 11.
- Rushmore, Samuel W., Plainfield, N. J. Engine-lubricating system. 1,694,518; Dec. 11.
- Rushton, Arthur L., Omaha, Nebr., assignor of one-half to M. H. Lane, Washington, D. C. Separation of butter fat from buttermilk and buttermilk whey. 1,683,728; Sept. 11.
- Rushton, Arthur L., Omaha, Nebr., assignor of one-half to M. H. Lane, Washington, D. C. Recovering butter from buttermilk. 1,683,729; Sept. 11.
- Rushton, James L. (See Hamer, James H., assignor.)
- Rushton, James L., Bolton, England. Manufacture of artificial silk or the like. 1,671,785; May 29.
- Rushton, James L., Bolton, England. Artificial-silk and like spinning machine. 1,672,691; June 5.
- Rushton, Thomas H., Worksop, England. Vehicle wheel. 1,672,908; June 12.
- Rusk, Carl, Astoria, Oreg. Hauling-in device. 1,683,922; Sept. 11.
- Rusler, William A., Johnstown, Ohio. Spray pump. 1,674,345; June 19.
- Rusnak, John M., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Counterbalancing means for multiple drills. 1,669,915; May 15.
- Russ, Carl C. (See Holm, A. M., and Russ.)
- Russ, Charles L., Little Rock, Ark. Double-acting drawer and slide therefor. 1,684,889; Sept. 18.
- Russ, John B., Shelton, Conn. Lever catch. Des. 77,031; Nov. 27.
- Russ, John B., Shelton, assignor to The Bassett Metal Goods Company, Inc., Derby, Conn. Lock or similar article. Des. 74,626; Mar. 6.
- Russ, John B., Shelton, assignor to The Bassett Metal Goods Company, Inc., Derby, Conn. Bag-lock escutcheon or similar article. Des. 74,842; Apr. 3.
- Russ, John B., assignor to The Bassett Metal Goods Company, Inc., Shelton, Conn. Bag-catch top plate. Des. 75,652; June 26.
- Russ Manufacturing Company, The. (See Smith, James T., assignor.)
- Russell, Andrew N., Montreal, Quebec, Canada. Drive for paper-making machines. 1,655,511; Jan. 10.
- Russell, Andrew N., Lachine, Quebec, Canada. Stock deflector for flow boxes for paper-making machines. 1,660,274; Feb. 21.
- Russell, Andrew N., and B. A. Malkin, Lachine, Quebec, Canada, assignors to The Paper and Textile Machinery Company, Sandusky, Ohio. Suction roll. 1,678,083; July 24.
- Russell, Charles H. C., Kansas City, Mo., O. F. Marcotte, and L. J. Hughes, Topeka, Kans. Ice-bag cap. 1,689,085; Oct. 23.
- Russell, Clyde D., Oakland, Calif., assignor to Seattle-Astoria Iron Works, Seattle, Wash. Can-sealing machine. 1,667,991; May 1.
- Russell, Edmund A. (See Kennedy, Marzo A., assignor.)

- Russell, Edward A. (See Gold, E. H., and Russell.)
- Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. End train-pipe valve. 1,656,393; Jan. 17.
- Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Radiator for railway-car heating systems. 1,674,131; June 19.
- Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible pipe joint. 1,681,626; Aug. 21.
- Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible pipe joint. 1,687,796; Oct. 16.
- Russell, Edward A., Chicago, and P. B. Parks, Oak Park, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Steam trap. 1,656,392; Jan. 17.
- Russell, Edward A., and E. E. Stenzel, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible pipe joint. 1,674,130; June 19.
- Russell, Edward W., Bedford, and A. F. R. Cotton, London, England, assignors to The Cleveland Trust Company, Cleveland, Ohio. Piezo-electric device. 1,655,974; Jan. 10.
- Russell, Frank J., Wauwatosa, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,681,433; Aug. 21.
- Russell, Gordon W., Brookline, Mass., assignor, by mesne assignments, to Johannes Kjekstad, Brooklyn, N. Y. Pressure-resisting storage tank. 1,686,931; Oct. 9.
- Russell Grader Manufacturing Co. (See Gustafson, Carl A., assignor.)
- Russell, Harold R. (See Weiland, A., Russell, and Mezger.)
- Russell, Harry G., Battle Creek, Mich., assignor to Consolidated Electric Sign Corporation, Chicago, Ill. Sign. Des. 74,240; Jan. 10.
- Russell, Harry G., Battle Creek, Mich., assignor to Consolidated Electric Sign Corporation, Chicago, Ill. Sign. Des. 74,762; Mar. 20.
- Russell, Harry G., assignor to Consolidated Electric Sign Corporation, Battle Creek, Mich. Sign. Des. 76,422; Sept. 25.
- Russell, Harry H., assignor to The E. T. Burrowes Company, Portland, Me. Card table. 1,655,512; Jan. 10.
- Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Ground-speed indicator. 1,676,965; July 10.
- Russell, Howard W., Collingswood, N. J. Handle for containers. 1,658,174; Feb. 7.
- Russell, J. M., Manufacturing Company. (See Russell, Theodore, assignor.)
- Russell, James M., San Diego, Calif., assignor, by mesne assignments, to Russell Parachute Company, Wilmington, Del. Parachute. 1,672,427; June 5.
- Russell, Jesse E. S., Los Angeles, Calif. Carrier for laundry. 1,672,092; June 5.
- Russell, John, Alhambra, Calif. Fountain syringe. 1,655,664; Jan. 10.
- Russell, John F., and H. E. Rufty, Salisbury, N. C. Door-operating device. 1,694,431; Dec. 11.
- Russell, Joseph F., assignor to Johnson Washer Company, Oakland, Calif. Clothes wringer. 1,656,570; Jan. 17.
- Russell, Joseph G., Hoboken, N. J. Safety device for elevators. 1,672,175; June 5.
- Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Shovel-crane boom. 1,662,902; Mar. 20.
- Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Crane and shovel convertible operating mechanism. 1,676,353; July 10.
- Russell, Louis J., Richmond Hill, assignor to Newskin Company, Brooklyn, N. Y. Closure device for containers. 1,668,083; May 1.
- Russell, Louis R., assignor to The Marion Steam Shovel Company, Marion, Ohio. Excavating mechanism. 1,679,879; Aug. 7.
- Russell Manufacturing Company, The. (See Fagan, Richard C., assignor.)
- Russell Manufacturing Company, The. (See Zimmerer, Frederick J., Jr., assignor.)
- Russell, Mark N., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Sign-receptacle ring. Des. 74,804; Mar. 27.
- Russell, Mark N., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Ceiling fixture. Des. 76,203; Aug. 28.
- Russell, Mark N., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Wall fixture. Des. 77,126; Dec. 4.
- Russell, Michael H., Lake Worth, Fla. Stock elevator and loader. 1,660,275; Feb. 21.
- Russell, Oliver A., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Safety device for automatic screw machines. 1,692,314; Nov. 20.
- Russell, Olin F., Los Angeles, Calif. Valve. Re17,115; Oct. 23.
- Russell Parachute Company. (See Russell, James M., assignor.)
- Russell, Ralph R., and J. S. White, Paducah, Ky. Ventilating device. 1,693,497; Nov. 27.
- Russell, Robert, assignor to A. H. Redfern, Birmingham, England. Adjustable support or stay applicable to drop-end couches. 1,663,864; Mar. 27.
- Russell, Robert C., Pittsburgh, Pa. Index. 1,696,016; Dec. 18.
- Russell, Robert C., J. A. White, and R. B. Hayden, assignors to C. R. Jackson, Dallas, Tex. Vending machine. 1,674,664; June 26.
- Russell, Robert G., Burgettstown, Pa. Carburetor-choker control. 1,686,421; Oct. 2.
- Russell, Rufus A., Jr., San Diego, Calif. Automobile headlight. 1,681,909; Aug. 21.
- Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,654,667; Jan. 3.
- Russell, Samuel G., and P. Workman, Jr., assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,678,446; July 24.
- Russell, Silas B., St. Louis, Mo. Furnace. 1,683,730; Sept. 11.
- Russell, Theodore, assignor to J. M. Russell Manufacturing Company, Naugatuck, Conn. Making sheet-metal chains. 1,680,067; Aug. 7.
- Russell, Thomas C., Chicago, Ill. Electric lighter. 1,657,904; Jan. 31.
- Russell, Thomas C., assignor to A. H. Kulikowski, Evanston, Ill. Frankfurt machine. 1,692,956; Nov. 27.
- Russell, Thomas N., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,669,629; May 15.
- Russell, Titus, Albion, Mich., assignor to Holland Furnace Co., Holland, Mich. Cleaning device for hot-air-furnace pipes. 1,669,101; May 8.
- Russell, Titus, assignor to Holland Furnace Company, Holland, Mich. Flexible suction pipe for use in furnaces and furnace casings. 1,675,316; June 26.
- Russell, Walter B. (See La Londe, M. and Russell.)
- Russell, William A., Yonkers, N. Y. Air valve. 1,690,554; Nov. 6.
- Russell, William H., New Haven, Conn. Coin-changing machine. 1,665,566; Apr. 10.
- Russell, William L., New Haven, Conn. Extracting hydrocarbons from oil-bearing strata. 1,658,305; Feb. 7.
- Russen, Anthony C. P., Edgewood, R. I. Thread-control attachment for looms. 1,676,803; July 10.
- Russo, Calogero, Cleveland, Ohio. Vegetable cutter. 1,685,245; Sept. 25.
- Russo, Ralph. (See Judd, E. S., and Russo.)
- Russo, Salvatore, New York, N. Y. Advertising device for cash registers. 1,686,345; Oct. 2.
- Russo, Salvatore, New York, N. Y., assignor of one-half to A. Migliaccio. Portable combined phonograph and moving-picture machine. 1,655,245; Jan. 3.
- Russon, Harry R., Akron, assignor of one-half to W. C. McCoy, Cleveland, Ohio. Variometer dial. 1,684,972; Sept. 18.
- Rust, Mortimer R. (See Haskell, J. D., and Rust.)
- Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electric stove and assembling the same. 1,674,995; June 26.
- Rutenber, Edwin A., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Stove-leg connection. 1,685,096; Sept. 25.
- Ruth, C. W., Engineering Company. (See Ruth, Conant W., assignor.)
- Ruth, Conant W., assignor to The C. W. Ruth Engineering Company, Chicago, Ill. Multistory garage. 1,683,492; Sept. 4.
- Ruth Glass Company. (See Koenig, Robert H., assignor.)
- Ruth, John F., St. Louis, Mo. Metal window. 1,680,640; Aug. 14.
- Ruth, John F., St. Louis, Mo. Metal window. 1,681,134; Aug. 14.
- Ruth, John F., St. Louis, Mo. Metal window. 1,681,135; Aug. 14.
- Ruth, John F., St. Louis, Mo. Metal window. 1,681,136; Aug. 14.
- Ruth, John F., St. Louis, Mo. Metal window. 1,681,137; Aug. 14.
- Ruth, Samuel D., assignor to The John H. von Steen Company, Beatrice, Nebr. Portable silo. 1,656,954; Jan. 24.
- Ruthenbug, Louis R., East Moline, Ill. Switch mechanism. 1,674,663; June 26.
- Ruthenbug, Louis R., East Moline, Ill. Boat. 1,674,665; June 26.
- Rutherford, Harry K., Cambridge, Mass. Data transmitter and receiver. 1,664,948; Apr. 3.
- Rutherford, John, Slingerlands, assignor to The Embossing Company, Albany, N. Y. Spelling blocks. 1,682,686; Aug. 28.
- Rutherford, Richard, London, assignor to F. H. Headley, Birmingham, England. Scooter. 1,664,864; Apr. 3.
- Rutherford, Walter, et al. (See Geake, William H. G., assignor.)
- Ruths Accumulator Company. (See Wettstein, Fritz, assignor.)
- Ruths, Johannes, Djursholm, Sweden. Steam plant. 1,666,426; Apr. 17.
- Ruths, Johannes, Djursholm, assignor to Aktiebolaget Vaporrackumulator, Stockholm, Sweden. Nozzle stop valve. 1,668,128; May 1.
- Ruths, Johannes, Djursholm, assignor to Aktiebolaget Vaporrackumulator, Stockholm, Sweden. Steam plant. 1,677,798; July 17.
- Ruths, Johannes K., Djursholm, assignor to Aktiebolaget Vaporrackumulator, Stockholm, Sweden. Accumulator plant. 1,659,836; Feb. 21.
- Ruthven, Albert F., Cleveland, Ohio. Self-grinding valve. 1,659,498; Feb. 14.
- Rutland, Albert B., Coco Solo, Canal Zone. Block and tackle. 1,670,215; May 15.

- Rutledge, George E., assignor to Vassar Swiss Underwear Co., Chicago, Ill. Union suit. 1,657,094; Jan. 24.
- Ruttan, Alfred A., assignor to Eastman Kodak Company, Rochester, N. Y. Two-compartment receptacle. 1,668,979; May 8.
- Ruttan, Alfred A., and F. A. Gillice, assignors to Eastman Kodak Company, Rochester, N. Y. Compartment can. 1,672,839; June 5.
- Ruttenberg, Samuel, et al. (See Ruttenberg, Samuel, assignor.)
- Ruttenberg, Samuel, Brooklyn, assignor to S. Ruttenberg and M. N. Leibowitz, New York, N. Y. Constructing ballast resistances. 1,684,204; Sept. 11.
- Rutter, Argyle R., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,662,835; Mar. 20.
- Rutter, Argyle R., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Watt-hour meter. 1,686,641; Oct. 9.
- Rutter, Argyle R., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Watt-hour meter. 1,684,149; Sept. 11.
- Rutter, Argyle R., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,686,712; Oct. 9.
- Rutter, Argyle R., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnet structure. 1,689,843; Oct. 30.
- Rutter, Argyle R., Forest Hills, and W. G. Mylius, Wilkensburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. 1,695,861; Dec. 18.
- Rutter, Clark H., New Castle, Pa. Combination tool. 1,668,977; Apr. 24.
- Ruud Manufacturing Company. (See Humphrey, Herbert S., assignor.)
- Ruys, Jan D., Wilmington, assignor to Shell Company of California, San Francisco, Calif. Recovery of sulphuric acids from acid sludges. 1,669,102; May 8.
- Ruzalski, Joseph A., Blackie, Alberta, Canada. Weeding machine. 1,667,708; Apr. 24.
- Ruzicka, Leopold, Zurich, assignor to M. Naef & Co., Geneva, Switzerland. Manufacture of farnesol. 1,663,817; Mar. 27.
- Ruzicka, Léopold, assignor to M. Naef and Cie., Geneva, Switzerland. Manufacture of farnesol. 1,663,818; Mar. 27.
- Ruzicka, Léopold, assignor to the firm M. Naef & Co., Geneva, Switzerland. Preparation of carbocyclic ketones with more than nine ring members. 1,673,093; June 12.
- Ruziska, Joseph A., and D. L. Tapp, Morgantown, W. Va. Billiard-cue tip. 1,661,966; Mar. 6.
- Ruzsicska, Odo, and W. L. Brumfield, assignors of one-fifth to G. Polaner, one-fifth to M. Guttman, and one-fifth to J. S. Guttman, Newark, N. J. Stem for pipes. 1,657,767; Jan. 31.
- Ryalls, J. H., et al. (See Page, Charles H., assignor.)
- Ryan, Alfred, Annesland, Glasgow, assignor to The Ioco Rubber & Waterproofing Company, Limited, Glasgow, Scotland. Rigid airship. 1,675,427; July 3.
- Ryan, Bernard R., Sydney, Australia. Fastening element. 1,654,756; Jan. 3.
- Ryan, Bernard R., Sidney, New South Wales, Australia. Shoe heel. 1,676,928; July 10.
- Ryan, Catherine V., Quincy, Ill. Individual coffeepot. Des. 77,186; Dec. 11.
- Ryan, Charles E., and T. J. Schuetz, Tulsa, Okla. Attachment for motor vehicles. 1,683,306; Sept. 4.
- Ryan, Charles E., and T. J. Schuetz, Tulsa, Okla. Attachment in motor vehicles. 1,683,307; Sept. 4.
- Ryan, Conrad A., Canton, Minn. Grinding machine for mill burrs or other articles. 1,665,177; Apr. 3.
- Ryan, Daniel F. (See Marsh, Herbert R., assignor.)
- Ryan, Daniel J., assignor to The Cleveland Trust Company, Cleveland, Ohio. Making castings. 1,659,837; Feb. 21.
- Ryan, Daniel J., assignor to The Cleveland Trust Company, Cleveland, Ohio. Mold. 1,684,715; Sept. 18.
- Ryan, Edward J., Torrington, Conn. Caliper and depth gauge. 1,663,217; Mar. 20.
- Ryan, F. J., & Company. (See Beach, George F., assignor.)
- Ryan, Francis M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric-wave signaling system. 1,658,210; Feb. 7.
- Ryan, Francis M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio transmitting system. 1,687,896; Oct. 16.
- Ryan, George E., Taunton, Mass. Heat-deflection shield. 1,694,604; Dec. 11.
- Ryan, Henry D., Denver, Colo. Treating shale or the like. 1,672,231; June 5.
- Ryan, John J., and J. Gaffney, assignors to National Folding Box Company, New Haven, Conn. Display container. 1,654,556; Jan. 3.
- Ryan, John J., and J. Gaffney, assignors to National Folding Box Company, New Haven, Conn. Display container. 1,680,028; Aug. 7.
- Ryan, Joseph W., Long Beach, and W. F. Ayrton, Wilmington, Calif. Laying-out tool. 1,658,742; Feb. 7.
- Ryan, Lonnie W. (See Barton, L. E., and Ryan.)
- Ryan, P. Frank, et al. (See Creighton, Nelson B., assignor.)
- Ryan, Paul, Dakota City, Nebr. Attachment for cultivators or plows. 1,665,178; Apr. 3.
- Ryan, Walter D., Schenectady, N. Y. Headlight. 1,684,688; Sept. 18.
- Ryan, Walter D., Schenectady, N. Y. Lens for vehicle lamps. 1,688,557; Oct. 23.
- Ryan, Walter D., Schenectady, N. Y. Lens for vehicle lamps. Des. 76,636; Oct. 16.
- Ryan, Walter D., Schenectady, N. Y. Headlight. 1,676,463; July 10.
- Ryan, Walter D., Schenectady, N. Y. Headlight. 1,676,464; July 10.
- Ryberg, Charles A., et al. (See Hamilton, Frederick H., assignor.)
- Ryberg, Charles O., Brockton, Mass. Vehicle lifting jack. 1,688,155; Oct. 16.
- Ryberg, Charles O., Brockton, Mass. Heel base for shoes. 1,693,160; Nov. 27.
- Rychlewski, Frank, Chicago, Ill., assignor, by mesne assignments, to The Gerrard Company, Inc., San Francisco, Calif. Tension device for wire-typing machines. 1,675,730; July 3.
- Rychtarik Richard, assignor to The Superior Foundry Company, Cleveland, Ohio. Table. Des. 76,156; Aug. 21.
- Rychtarik, Richard, assignor to The Superior Foundry Company, Cleveland, Ohio. Radiatable. Des. 76,157; Aug. 21.
- Rychtarik, Richard, assignor to The Superior Foundry Company, Cleveland, Ohio. Chair. Des. 76,158; Aug. 21.
- Rychtarik, Richard, assignor to The Superior Foundry Company, Cleveland, Ohio. Aquarium stand. Des. 76,204; Aug. 28.
- Rychtarik, Richard, assignor to The Superior Foundry Company, Cleveland, Ohio. Taboret. Des. 76,897; Nov. 13.
- Ryckman, Andrew, Chicago, Ill. Can opener. 1,689,301; Oct. 30.
- Ryder, Ambrose, Carmel, N. Y. Umbrella, parasol, and the like. 1,672,909; June 12.
- Ryder, Ben H., Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey, Pittsburgh, Pa. Rail bond. 1,673,424; June 12.
- Ryder, Charles D., Covington, Ky., assignor to The Cincinnati Victor Company. Lamp. 1,676,712; July 10.
- Ryder, Charles D., Covington, Ky., assignor to The Cincinnati Victor Company, Cincinnati, Ohio. Aeroplane lamp. 1,683,580; Sept. 4.
- Ryder, Charles D., Covington, Ky., assignor to The Cincinnati Victor Company, Cincinnati, Ohio. Configured reflector. 1,691,131; Nov. 13.
- Ryder, Elmer, Berwyn, Ill. Motor-vehicle heater. 1,684,599; Sept. 18.
- Ryder, Frank P., Niagara Falls, N. Y. String-bean grader. 1,689,254; Oct. 30.
- Ryder, Harry M., Sharpsburg, Md., assignor to Westinghouse Electric & Manufacturing Company. Automatic train control and cab signaling. 1,686,036; Oct. 2.
- Ryder, Harry M., and L. J. Bailey, Bradford, Pa., assignors to Petroleum Reclamation Corporation, New York, N. Y. Plugging or packing off strata in wells. 1,661,270; Mar. 6.
- Ryder, Harry M., and L. J. Bailey, Bradford, Pa., assignors to Petroleum Reclamation Corporation, New York, N. Y. Liquid meter. 1,667,270; Apr. 24.
- Ryder, Samuel C., Sydney, New South Wales, Australia. Apparatus for automatically displaying lantern slides bearing advertisements or other matter. 1,695,029; Dec. 11.
- Rydquist, Adolph, Rochester, N. Y. Can-opening machine. 1,684,414; Sept. 18.
- Ryer, Elmer L. (See Clement, H., and Ryer.)
- Ryerson, Eugene H., Worcester, Mass. Dish drainer. 1,691,858; Nov. 13.
- Ryerson, Joseph T., and Son. (See Conradson, Conrad M., assignor.)
- Ryerson, Peter E., Holtville, Calif. Drink stand. Des. 76,896; Nov. 13.
- Rymann, Alfred, Suhr-Aarau, Switzerland. Dishwashing machine. 1,668,923; May 8.
- Rymarczick, Lylal B., Los Angeles, Calif. Sound-absorbing surface and producing same. 1,682,986; Sept. 4.
- Rymer, John A., Alameda, Calif. Internal-combustion engine. 1,661,738; Mar. 6.
- Rynders, George W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Feed mill. 1,672,544; June 5.
- Ryon, Eppa H., Pasadena, Calif. Gas-burner control. 1,668,251; May 1.
- Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector for loom transfer arms. 1,663,956; Mar. 27.
- Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Color indicator for weft-replenishing looms. 1,663,957; Mar. 27.
- Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,673,998; June 19.
- Ryon, Eppa H., Pasadena, Calif., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lay for looms. 1,691,132; Nov. 13.
- Rypinski, Albert B., assignor to T. B. Murray, Brooklyn, N. Y. Electric fitting and the like. 1,664,759; Apr. 8.
- Rysdon, Louis S., Chicago, Ill. Combination skylight and ventilator. 1,668,421; May 1.

- Rystedt, Ingemar K., Dayton, Ohio. Parking device for automobiles and the like. 1,692,578; Nov. 20.
- Rzemieniecki, Rudolf. (See Smith, L. A., and Rzemieniecki.)
- Rzeppa, Alfred H., Detroit, Mich. Universal joint. 1,665,280; Apr. 10.
- S. L. Products Company. (See Steiert, A. F., and Linke, assignors.)
- S-P Manufacturing Company, The. (See Olson, John A., assignor.)
- S. P. U. Corporation. (See Austin, Elias N., assignor.)
- S. and K. Folding Machine Company. (See Roby, Edward B., assignor.)
- S & T Metal Company. (See Ripley, Charles T., assignor.)
- S. & U. Holding Company, Inc. (See Sibley, James T., assignor.)
- S & W Machine Company. (See Wermes, Frederick J., assignor.)
- Saal, Christian L., assignor of one-fourth to W. Laessig, Paterson, N. J. Winding machine. 1,684,114; Sept. 11.
- Saallburg, Charles W., New York, N. Y. Continuously-flowing bottle or the like. 1,672,910; June 12.
- Saaler, Otto, Freiburg, Breisgau, Germany, assignor to the firm Gesellschaft für Kapitalwerte, Baden, Switzerland. Dirt-floating device. 1,673,534; June 12.
- Saari, Matt, Weirton, W. Va. Match-box holder. 1,672,911; June 12.
- Saathoff, George W., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Method and apparatus for cooling electrical apparatus. 1,657,550; Jan. 31.
- Saatman, Walter A., Roslyn, Pa. Glue-applying roll. 1,696,329; Dec. 25.
- Sabath, Albert, assignor to Scene-in-Action Corporation, Chicago, Ill. Lamp or similar article. Des. 75,589; June 19.
- Sabatini, Andy, assignor of one-half to F. Maiurano, G. Mirabito, G. Spadaro, M. Quattrocchi, and A. Spadaro, Norwich, N. Y. Combined rail chair and joint for track rails. 1,668,422; May 1.
- Sabbah, Camil A., Schenectady, N. Y., assignor to General Electric Company. Rectifying system. 1,689,502; Oct. 30.
- Sabbah, Camille A. (See Robinson, L. T., and Sabbah.)
- Sabbah, Camille A., Schenectady, N. Y., assignor to General Electric Company. Vapor-electric-arc apparatus. 1,669,147; May 8.
- Sabbah, Camille A., Schenectady, N. Y., assignor to General Electric Company. Transmission of pictures and views. 1,694,982; Dec. 11.
- Sabel, John C., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 1,662,339; Mar. 13.
- Saben, Henry C., Winthrop, Mass. Multiple-tray cabinet. 1,631,953; Aug. 28.
- Sabiers, Charles, Amherst, Ohio. Ignition timer. 1,674,132; June 19.
- Sabin, Ernest E., Beverly, assignor to United Shoe Machinery Corporation, Boston, Mass. Molding machine. 1,672,912; June 12.
- Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work locating and punching apparatus. 1,678,789; July 31.
- Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-rounding machine. 1,680,342; Aug. 14.
- Sabin, Ernest E., Beverly, and E. A. Holmgren, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Insole-making machine. 1,667,951; May 1.
- Sabin, John A. (See Larson, John, assignor.)
- Sacchi, Marie C., administratrix. (See Casale, Luigi.)
- Sacco Albanese, Giuseppe, Paris, France. Apparatus for measuring the rate of flow of fluids. 1,690,949; Nov. 6.
- Saco-Lowell Shops. (See Melchor, James T., assignor.)
- Sacerdote, Guido M., Bayside, N. Y. Bottle-cap remover and holder. 1,664,047; Mar. 27.
- Sachs, Gustave M., Edina, Minn. Sea air port. 1,670,524; May 22.
- Sachs, Joseph, Hartford, Conn. Convertible electric-appliance-receiving box. Re17,138; Nov. 20.
- Sachs, Joseph, Hartford, Conn. Inclosing system for electric service appliances. 1,660,093; Feb. 21.
- Sachs, Joseph, Hartford, Conn. Terminal contact clip. 1,666,978; Apr. 24.
- Sachs, Joseph, Hartford, Conn. Fusible switch. 1,666,979; Apr. 24.
- Sachs, Joseph, Hartford, Conn. Troughing system for electric-appliance receiving cabinets. 1,667,871; May 1.
- Sachs, Joseph, Hartford, Conn. Inclosed electric switch and assembling the same. 1,675,467; July 3.
- Sachs, Joseph, Hartford, Conn. Inclosed electric switch and assembling the same. 1,675,468; July 3.
- Sachs, Joseph, Hartford, Conn. Fused switch. 1,680,117; Aug. 7.
- Sachs, Joseph, Hartford, Conn. Electric service installation. 1,696,150; Dec. 18.
- Sachs, Joseph, West Hartford, Conn. Fused switch. 1,680,118; Aug. 7.
- Sachs, Morris. (See Mix, E. S., and Sachs.)
- Sachs, Solomon, assignor, by mesne assignments, to Utilities Corporation of Maryland, Washington, D. C. Nozzle. 1,691,498; Nov. 13.
- Sachse, Herman P., assignor to Central Scientific Company, Chicago, Ill. Molding device. 1,687,797; Oct. 16.
- Sachsenwerk, Licht- und Kraft-Aktiengesellschaft. (See Hartwagner, Ludwig, assignor.)
- Sachsenwerk Licht- und Kraft-Aktiengesellschaft. (See Richter, R., and Sarfert, assignors.)
- Sachse, Anna E., Dresden-Blasewitz, Germany. Back support for baths. 1,676,354; July 10.
- Sack, Leo S., et al. (See Cohen, Isidor, assignor.)
- Sack, Werner, Dusseldorf-Rath, Germany. Photo copying apparatus. 1,688,059; Oct. 16.
- Sackett, Howard O., Schenectady, N. Y. Wall-board fastener. 1,668,469; May 1.
- Sackrider, Frank E. (See Whaley, Emery G., assignor.)
- Saco-Lowell Shops. (See Beswick, William, assignor.)
- Saco-Lowell Shops. (See Feaster, E. B., and Almy, assignors.)
- Saco-Lowell Shops. (See Feaster, E. B., and Arnold, assignors.)
- Saco-Lowell Shops. (See Penney, Loren W., assignor.)
- Saco-Lowell Shops. (See Penney, L. W., and Child, assignors.)
- Sacrey, Elmer P., Philadelphia, Pa. Machine for cutting oil grooves. 1,675,136; June 26.
- Sadler, Frederick W., Oklahoma City, Okla. Flexible drill nipple and oil saver. 1,680,068; Aug. 7.
- Sadosky, Sylvester S., Staples, Minn. Trap. 1,662,476; Mar. 13.
- Sadtler, Helena S., Erdenheim, Pa. Transfer. 1,660,495; Feb. 28.
- Sadtler, Helena S., Erdenheim, Pa. Decoration for ornamenting fibrous and similar surfaces and making and applying the same. 1,690,179; Nov. 6.
- Sadtler, Helena S., Erdenheim, Pa. Decorating the surfaces of various objects. 1,672,093; June 5.
- Sadtler, Helena S., Springfield Township, Montgomery County, Pa. Steel printing body and producing the same. 1,678,231; July 24.
- Sadtler, Samuel S., Springfield Township, Montgomery County, and E. C. Lathrop, Philadelphia, Pa. Treating natural silk. 1,671,786; May 29.
- Sadtler, Samuel S., Springfield Township, Montgomery County, assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Road making. 1,674,523; June 19.
- Sadtler, Samuel S., Springfield Township, Montgomery County, assignor to Amiesite Asphalt Company of America, Philadelphia, Pa. Road composition and making same. 1,683,493; Sept. 4.
- Saenger, Joseph J., N., and M., Rhame, N. Dak. Binder hitch. 1,672,428; June 5.
- Saenger, Math. (See Saenger, Joseph J., N., and M.)
- Saenger, Nick. (See Saenger, Joseph J., N., and M.)
- Saffberg, Bror F., assignor to Carbondale Machine Company, Carbondale, Pa. Making zigzag conduits. 1,655,823; Jan. 10.
- Safely, Ellen E., Oakland, Calif. Stop-signal switch for motor vehicles. 1,673,206; June 12.
- Safety Car Heating & Lighting Company, The. (See de Lony, Knud, assignor.)
- Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)
- Safety Car Heating & Lighting Company, The. (See Kniesner, William T., assignor.)
- Safety Car Heating & Lighting Company, The. (See Livingston, Alan V., assignor.)
- Safety Car Heating & Lighting Company, The. (See Von Ohlsen, Louis H., assignor.)
- Safety Fumigant Company. (See Houghton, Harry W., assignor.)
- Safety Grinding Wheel & Machine Company. (See Weinland, Hermon G., assignor.)
- Safety Signal Company. (See Morrison, John A., assignor.)
- Safety Stair Tread Company, The. (See Connelly, Donald S., assignor.)
- Safeway Headlights, Incorporated. (See Cunliff, John V., assignor.)
- Safeway Lock Company. (See Anakin, Arthur E., assignor.)
- Saffold, James W., Cleveland, Ohio. Chain tool. 1,677,251; July 17.
- Saffold, James W., Cleveland, Ohio. Chain tool. 1,677,658; July 17.
- Saffold, James W., Cleveland, Ohio. Chain tool. 1,677,659; July 17.
- Safran, Joseph, et al. (See Hamiltonoff, Simon A., assignor.)
- Sage, Edwin E. (See Legate, William H., assignor.)
- Sage, Richard W., and H. R. Boughner, Augusta, Kans. Sand-reel-operating mechanism. 1,688,599; Oct. 23.
- Sagendorph, William K., executor. (See Hopkins, George F.)
- Sager, Abraham, Chicago, Ill. Ring. Des. 76,055; Aug. 14.
- Sager, Abraham, Chicago, Ill. Ring. Des. 77,032; Nov. 27.
- Sager Pen Corporation, The. (See Sager, Solomon M., assignor.)
- Sager Metal Weatherstrip Co. (See Wolff, George F., assignor.)
- Sager, Solomon M., Chicago, Ill., assignor to The Sager Pen Corporation. Fountain-pen clip. 1,681,954; Aug. 28.
- Saghy, Frank. (See Kohn, I., and Saghy.)

- Saginaw Manufacturing Co. (See Gilbert, Henry J., assignor.)
- Sagramoso, Guido, Milan, Italy. Electric furnace. 1,690,795; Nov. 6.
- Sagstetter, William H. (See Bell, J., and Sagstetter.)
- Sahlstrom, Gustaf R., Rockford, Ill. Implement for handling and working concrete. 1,662,170; Mar. 13.
- Sahr, Frank, Columbus, Ohio. Device for attaching shoe soles to the uppers. 1,689,157; Oct. 23.
- Saier, Edward H. (See Gregory, Eugene, assignor.)
- Sailer, Paul J., Ackley, Iowa. Tubular valve. 1,661,097; Feb. 28.
- St. Amour, Moses E., Faust, N. Y. Overalls. 1,677,663; July 17.
- St. Clair, Byron W. (See Hull, A. W., and St. Clair.)
- St. Clair, John C., Butte, Mont. Combined coal stoker and burner. 1,694,290; Dec. 4.
- St. Clair, Moffat, Galt, Ontario, assignor of one-half to W. S. Edwards, Toronto, Canada. Oil burner. 1,693,623; Dec. 4.
- St. Clair, Oliver, Indianapolis, Ind., and B. R. Watson, Snohomish, Wash., assignors to E. C. Atkins & Company, Indianapolis, Ind. Saw jointer. 1,690,707; Nov. 6.
- St. Clair, Reuben, Wilwaukee, Wis. Lawn trimmer. 1,694,894; Dec. 11.
- St. John, Frank, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,672,546; June 5.
- St. John, Gamaliel C., Greenwich, Conn. Dashpot. 1,676,674; July 10.
- St. John, Henry W., Brightwaters, N. Y. Golf accessory. 1,696,817; Dec. 25.
- St. John, Roy D., Spokane, Wash. Pressure gauge. 1,657,047; Jan. 24.
- St. Joseph Iron Works. (See Hatch, William E., assignor.)
- St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)
- St. Louis Aluminum Company. (See Bremer, William S., assignor.)
- St. Louis Butchers' & Hotel Supply Co. (See Siebert, Alfred H., assignor.)
- St. Louis, George C., Fresno, assignor of one-half to F. A. Spooner, Willows, Calif. Aeroplane. 1,685,888; Oct. 2.
- St. Louis Label Works. (See Cowgill, Orph W., assignor.)
- St. Louis Malleable Castings Company. (See Luechinghaus, Herbert H., assignor.)
- St. Louis Pump & Equipment Company. (See Hinds, Sherwood, assignor.)
- St. Louis Steel Ball Corporation. See Magann, Merritt W., assignor.)
- St. Mungo Manufacturing Company of America. (See Gioggia, Louis, assignor.)
- Saint Ogan, Alain, Paris, France, assignor to L. Dangel. Statuette or similar article. Des. 76,159; Aug. 21.
- St. Onge, Amasa, Providence, R. I. Cotton-picking machine. 1,681,555; Aug. 21.
- St. Pierre Chain Corporation. (See St. Pierre, Henry, assignor.)
- St. Pierre, Henry. (See Macdonald, John N., assignor.)
- St. Pierre, Henry, assignor to St. Pierre Chain Corporation, Worcester, Mass. Chain pliers. 1,657,978; Jan. 31.
- St. Pierre, Henry, assignor to St. Pierre Chain Corporation, Worcester, Mass. Snap hook. 1,685,201; Sept. 25.
- St. Stanislaus Seminary. (See Murphy, P. J., and Sontag, assignors.)
- Saito, Haruko, Tokyo, Japan. Making bobbed-hair holders. 1,695,983; Dec. 18.
- Saives, Léon, assignor to L. Renault, Billancourt, France. Variable-speed transmission device. 1,672,232; June 5.
- Saives, Léon, assignor to L. Renault, Billancourt, France. Metallic flooring plate for shops and like uses. 1,686,106; Oct. 2.
- Saives, Léon, assignor to L. Renault, Billancourt, France. Manufacturing of valves and like devices. 1,696,646; Dec. 25.
- Sajitz, Rudolf, and F. Pospiech, assignors to Chemische Fabrik Pott & Co., Dresden, N. Germany. Spinning artificial filaments. 1,689,894; Oct. 30.
- Sakamoto, George Y., Seattle, Wash. Cigarette igniter. 1,669,843; May 15.
- Sakamoto, Kyugoro, Hamamatsu, Japan. Let-off for looms. 1,667,221; Apr. 24.
- Saklad, William, Boston, Mass. Making boots and shoes. 1,685,827; Oct. 2.
- Saklatwalla, Byramji D., Crafton, Pa. Copper chromium ferrous alloys. 1,676,929; July 10.
- Saks, Jack I. (See Silverstang, Jacob, assignor.)
- Sakurai, Hideichi and T., Seattle, Wash. Knitting frame. 1,691,527; Nov. 13.
- Sakurai, Sueo. (See Suzuki, T., and Sakurai.)
- Sakurai, Tarano. (See Sakurai, Hideichi and T.)
- Salamis, Basil C. (See Chambers, J. G., and Salamis.)
- Salas, Mariano, Canlubang, Laguna, P. I. Mower. 1,690,950; Nov. 6.
- Salazar, Edmundo A., Madrid, assignor of one-half to M. Conte de Mieres, Mieres del Camino, Asturias, Spain. Secondary battery or accumulator. 1,662,866; Mar. 20.
- Salbador, Ramon, New Orleans, La. Special sliding trap-door valve and gas-meter protector. 1,685,683; Sept. 25.
- Salem Glass Works. (See Pawling, H. J., and Crispin, assignors.)
- Salerni, Edoardo M., Paris, France, assignor to E. M. S. Industrial Processes Limited, London, England. Condenser. 1,680,641; Aug. 14.
- Salerno, Ferdinando G., Chicago, Ill. Biscuit-handling machine. 1,667,692; Apr. 24.
- Salesas, Carmelo, Guantanamo, Cuba. Electric-wire support. 1,693,670; Dec. 4.
- Salesse, Joseph T., Ottawa, Ontario, Canada. Awning-roller automatic stop. 1,678,790; July 31.
- Salinger, Hans, and J. Stahl, Berlin, Germany. Telegraph cable with loading coils. 1,663,353; Mar. 20.
- Salinger, Morris, assignor of one-half to E. D. Stein, New York, N. Y. Clock dial. Des. 76,705; Oct. 23.
- Salisbury, Harold E. (See McCarty, T. E., and Salisbury.)
- Salisbury, Orange J., Salt Lake City, Utah. Continuous process apparatus for forming articles from pulp. 1,677,905; July 24.
- Salisbury, Raymond, trustee. (See Fish, George L., assignor.)
- Salkind, Samuel M., Brooklyn, N. Y. Vehicle jack. 1,682,856; Sept. 4.
- Säll, Erik, Sordy, Kilafors, assignor to Aktiebolaget A. Ekströms Maskinfärf, Stockholm, Sweden. Feeding device. 1,669,307; May 8.
- Salley, Jack. (See Jakopets, Gyuro E. B., assignor.)
- Salm, John J., Akron, Ohio. Torch. 1,662,210; Mar. 13.
- Salmon, Albert H., Twickenham Park, England. Spring support for chairs, couches, and the like. 1,696,126; Dec. 18.
- Salmons, Arthur J. L. (See Salmons, G., and Dalby-Balls.)
- Salmons, George, and A. H. Dalby-Balls, said Dalby-Balls assignor to A. J. L. Salmons, Newport Pagnell, England. Hood fitting for motor and other vehicles. 1,674,573; June 19.
- Salois, Henry. (See Nitschke, R., and Salois.)
- Salomon, Irving, Chicago, Ill. Upholstered chair. Des. 75,519; June 12.
- Salsbury, Henry P., London, England. Lifting jack. 1,696,101; Dec. 18.
- Salsich, Neil E., Bethlehem, Pa. Gauge rod. 1,672,094; June 5.
- Salt, Elmer H., Norwood, assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Punch. 1,692,764; Nov. 20.
- Salt, Elmer H., Norwood, assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Sheet-metal waste-paper basket. 1,692,765; Nov. 20.
- Salt Production Syndicate Limited, The. (See Zalocostas, Demetrius G., assignor.)
- Salterini, John B., New York, N. Y. Lamp finial. Des. 74,452; Feb. 14.
- Salterini, John B., New York, N. Y. Lamp finial. Des. 74,453; Feb. 14.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 74,627; Mar. 6.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 74,628; Mar. 6.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 74,629; Mar. 6.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 74,945; Apr. 17.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 74,946; Apr. 17.
- Salterini, John B., New York, N. Y. Finial. Des. 75,699; July 3.
- Salterini, John B., New York, N. Y. Floor lamp. Des. 76,706; Oct. 23.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 76,707; Oct. 23.
- Salterini, John B., New York, N. Y. Table lamp. Des. 76,708; Oct. 23.
- Salterini, John B., New York, N. Y. Bridge lamp. Des. 76,709; Oct. 23.
- Salterini, John B., New York, N. Y. Table lamp. Des. 76,710; Oct. 23.
- Salterini, John B., New York, N. Y. Flower stand. Des. 76,898; Nov. 13.
- Salterini, John B., New York, N. Y. Flower stand. Des. 76,899; Nov. 13.
- Salt's Textile Manufacturing Co., The. (See Shipway, George E., assignor.)
- Saltzman, Joseph, and F. H. Lange, Chicago, Ill., said Lange assignor to said Saltzman. Tape sponging and shrinking machine. 1,687,639; Oct. 16.
- Salva Carbureter Company, The. (See Salva, John S., assignor.)
- Salva, John S., Latonia, assignor to The Salva Carbureter Company, Covington, Ky. Carburetor. 1,684,246; Sept. 11.
- Salvage Heating Appliance Company. (See Conekin, Dawson, assignor.)
- Salvaggio, Rosario, New Orleans, La. Twine holder. 1,677,799; July 17.
- Salzburg, Samuel. (See Buckingham, William H., assignor.)
- Salzmann, Ernst, Solothurn, Switzerland. Marking device. 1,694,490; Dec. 11.
- Samanski, Lee B. (See Busby, R. B., and Samanski.)
- Samantas, Nicholas P. (See Burleson, A. L., and Samantas.)
- Samburg, Maurice, et al. (See Levy, Aaron M., assignor.)

- Sammartino, Achille, Providence, R. I. Ring. 1,667,680; Apr. 24.
- Sammet, Otto W., San Francisco, Calif. Ventilator. 1,659,786; Feb. 21.
- Samminiatielli, Oreste, East Toledo, Ohio. Display apparatus. 1,687,391; Oct. 9.
- Sammis, Norman L., assignor to Home Service, Inc., Providence, R. I. Package-delivery device. 1,674,483; June 19.
- Sammon, Joseph, Kearny, assignor to Driver-Harris Company, Harrison, N. J. Roller rail for heat-treating furnaces. 1,693,870; Dec. 4.
- Sampair, Guy B. (See Mavis, F. C. and Sampair.)
- Sampson, Erick, sr., assignor to Art Metal Construction Company, Jamestown, N. Y. Locking means for index cards and the like. 1,678,357; July 24.
- Sampson, Frank W., Atlanta, Ga. Concrete block or slab and making the same. 1,682,687; Aug. 28.
- Sams, Charles L., Bridgeport, Ohio. Automatic cut-off valve for gas lines. 1,677,729; July 17.
- Samson, Henry L., New York, N. Y. Paper-napkin holder. 1,684,617; Sept. 18.
- Samstag, Henry R., assignor to Samstag & Hilder Bros., Inc., New York, N. Y. Blank of leather. Des. 76,260; Sept. 4.
- Samstag, Henry R., assignor to Samstag & Hilder Bros., Inc., New York, N. Y. Blank of leather. Des. 76,324; Sept. 11.
- Samstag & Hilder Bros., Inc. (See Samstag, Henry R., assignor.)
- Samstag & Hilder Bros. Inc. (See Samstag, Louis A., assignor.)
- Samstag, Louis A., assignor to Samstag & Hilder Bros., Inc., New York, N. Y. Hand bag. Des. 75,388; May 29.
- Samter, L., & Sons. (See Samter, Samuel L., assignor.)
- Samter, Samuel L., San Francisco, assignor to L. Samter & Sons, San Francisco, Calif. Form for displaying neckwear. 1,662,477; Mar. 13.
- Samuel, Jacob, Bonn, Germany. Manufacturing artificial sausage skins. 1,656,681; Jan. 17.
- Samuell, Gelston, and C. T. Roberson, Dallas, Tex. Tire tool. 1,656,340; Jan. 17.
- Samuels, Edwin F. (See Sears, Horace H., assignor.)
- Samuels, Joseph, Toronto, Ontario, Canada. Bottle cooler. 1,689,054; Oct. 23.
- Samuels, Joseph T., Turtle Creek, Pa. Window attachment. 1,671,166; May 29.
- Samuels, Julian G., University City, Mo. Removably attaching ornaments to shoes. 1,673,025; June 12.
- Samuels, Maurice V., San Francisco, Calif. Mechanical receptacle. 1,693,096; Nov. 27.
- Samuelson, Alexander, assignor to C. J. Root, Terre Haute, Ind. Glassworking machine. 1,694,867; Dec. 11.
- Samuelson, Ernest A., and R. W. Mitchell, Kansas City, Mo. Waxing strip for Marcel irons. 1,663,389; Mar. 20.
- Samuelson, John P., Compton, Calif. Rotary drill bit. 1,678,201; July 24.
- Sanborn, George O., Los Angeles, Calif. Packing baked fruits and vegetables. 1,662,044; Mar. 6.
- Sanborn, Harold C., Chicago, Ill. Wall board. 1,679,947; Aug. 7.
- Sanchez, Maximiliano, New York, N. Y. Pump. 1,662,720; Mar. 13.
- Sánchez, Reynaldo, Monterey, Mexico. Mortising machine. 1,692,580; Nov. 20.
- Sanchez, Roman L., assignor of one-third to M. R. Egbert, Los Angeles, Calif. Detachable sign for vehicles. 1,691,939; Nov. 20.
- Sanchez, Vicente, Ponemah, Ill. Ore-grading machine. 1,685,828; Oct. 2.
- Sanctuary, William C., and W. A. Jones, Amherst, Mass. Brooder. 1,658,690; Feb. 7.
- Sanctuary, William C., and W. A. Jones, Amherst, Mass. Brooder. 1,679,271; July 31.
- Sand Spun Patents Corporation. (See Beatty, Douglas T., assignor.)
- Sand Spun Patents Corporation. (See Moore, W. D., and Morgan, assignors.)
- Sand Spun Patents Corporation. (See Moore, W. D., Loring, and Bowers, assignors.)
- Sand Spun Patents Corporation. (See Smith, M. D., Morgan, and Moore, assignors.)
- Sandberg, Andrew, Seattle, Wash. Lamp socket. 1,685,257; Oct. 2.
- Sandberg, Johannes. (See Ens Dorf, W. and Sandberg.)
- Sandborgh, Olof A., Stockholm, Sweden. Automatic electric steam boiler. 1,665,793; Apr. 10.
- Sandell, Joseph H., Chicago, assignor to Comstock-Castle Stove Company, Quincy, Ill. Coal and wood ranges. Des. 75,875; July 24.
- Sander, Herman J., and A. J. Breister, Fond du Lac, Wis. Playing-card holder. 1,696,647; Dec. 25.
- Sander, Wilhelm. (See Müller, K., and Sander.)
- Sander, Wilhelm, Essen-Ruhr, assignor to Th. Goldschmidt A.-G., Essen, Germany. Improving aluminum alloys. 1,656,502; Jan. 17.
- Sanders, Bryan B., Tulsa, Okla. Drawer. 1,659,164; Feb. 14.
- Sanders, D. Leon. (See Walts, Robert W., assignor.)
- Sanders, Flavius J. (See Warne, Walter C., assignor.)
- Sanders, Francis M., Brooklyn, N. Y. Collapsible table. 1,662,694; Mar. 13.
- Sanders, Henry R., North Beach, Md. Combined signal and trouble lamp for automobiles. 1,661,506; Mar. 6.
- Sanders, John, Niland, Calif. Plowshare with removable point. 1,670,424; May 22.
- Sanders, John C., assignor to Boeing Airplane Company, Seattle, Wash. Adjustable airplane strut terminal. 1,695,611; Dec. 18.
- Sanders, John S., Beggs, Okla. Vacuum oil treater. 1,659,983; Feb. 21.
- Sanders, Martin, Chicago, Ill. Spark plug. 1,673,592; June 12.
- Sanders, Morris B., Little Rock, Ark. Recording device. 1,689,055; Oct. 23.
- Sanders, William R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Abrading apparatus. 1,679,378; Aug. 7.
- Sanderson, Harleigh E., Alva, Okla. Automobile signal. 1,676,287; July 10.
- Sanderson, Sheldon L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radio receiving system. 1,673,593; June 12.
- Sandfield, Michael, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Slot-insulating cell. 1,695,862; Dec. 18.
- Sandford, Dent, Toledo, Ohio. Warpless valve plate. 1,685,615; Sept. 25.
- Sandford, Dent, Toledo, Ohio. Noiseless check valve. 1,693,619; Dec. 4.
- Sandford, Eliza W., New York, N. Y. Automatic nail buffer. 1,657,763; Jan. 31.
- Sandford Manufacturing Co. (See Griswold, Harold T., assignor.)
- Sandford, Stephen & Sons. (See Coyle, J. A., and Cooper, assignors.)
- Sandford, William C. (See Hoff, E. A., and Sandford.)
- San Diego Consolidated Gas and Electric Company et al. (See Goldkamp, Otto B., assignor.)
- Sandifur, William H., Medaryville, Ind. Corn machine. 1,695,902; Dec. 18.
- Sandin, Arthur L., assignor of one-half to C. J. Blue, Bismarck, N. Dak. Attachment for spark plugs. 1,689,690; Oct. 30.
- Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuse mechanism. 1,658,905; Feb. 14.
- Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal plug cut-out. 1,677,298; July 17.
- Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,678,878; July 31.
- Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fuse mechanism. 1,684,518; Sept. 18.
- Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal cut-out. 1,685,958; Oct. 2.
- Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal cut-out. 1,693,404; Nov. 27.
- Sandinoff & Wendroff Inc. (See Holtz, Abraham, assignor.)
- Sandkuhl, Edmund H., Brooklyn, assignor to David H. Zell, Inc., New York, N. Y. Coin bank. 1,693,351; Nov. 27.
- Sandman, August G., Baltimore, Md. Hopper door. 1,662,760; Mar. 13.
- Sando, Francis B., East Orange, N. J., assignor, by mesne assignments, to Foster Wheel Corporation, New York, N. Y. Condenser. 1,669,210; May 8.
- Sando, Joseph B., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Door-clamping means for washing machines, cylinders, and the like. 1,657,181; Jan. 24.
- Sandretto, Thomas, Gary, Ind. Fountain brush. 1,693,161; Nov. 27.
- Sands, Alfred M. (See Carmona, F. A., and Sands.)
- Sands, Henry F. (See Bloomer, C. G., and Sands.)
- Sands Level & Tool Company. (See King, Edward P., assignor.)
- Sands Manufacturing Company, The. (See Hamilton, Paul H., assignor.)
- Sands Manufacturing Company, The. (See Thomas, M. W., and Hamilton, assignors.)
- Sands, Orville, and C. Eustice, Cuba, Wis. Wagon-body shoveling board. 1,667,438; Apr. 24.
- Sands Production Company. (See Bartholomew, Bert E., assignor.)
- Sands, Roy G., Waukegan, Ill. Lightning arrester. 1,656,076; Jan. 10.
- Sands, Roy G., Waukegan, Ill. Lightning arrester. 1,656,989; Jan. 24.
- Sands, Thomas J., Auburn, R. I. Slug or bunch catcher. 1,677,110; July 10.
- Sands, Walter, Minneapolis, Minn. Steel-wool holder. 1,673,472; June 12.
- Sands, Walter, Minneapolis, Minn. Detachable mop wringer. 1,673,473; June 12.
- Sandt, Arthur R. (See McKiver, W. J., and Sandt.)
- Sandusky Tool Corporation. (See Schwer, Wilbert G., assignor.)
- Sandwell, Percy. (See Bell-Irving, R., and Sandwell.)
- Sanford, Alfred F., Knoxville, Tenn. Radio station-finding mechanism. 1,669,575; May 15.
- Sanford, Alfred F., Knoxville, Tenn. Radio apparatus. 1,689,602; Oct. 30.

- Sanford, Alfred F., Knoxville, Tenn. Radio apparatus. 1,689,603; Oct. 30.
- Sanford, Alfred F., Knoxville, Tenn. Radio apparatus. 1,691,413; Nov. 13.
- Sanford, Alfred F., Knoxville, Tenn. Radio apparatus. 1,695,390; Dec. 18.
- Sanford, Andrew J., assignor to A. H. Heisey & Company, Newark, Ohio. Floral vessel. Des. 75,653; June 26.
- Sanford, Bert J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Shipping apparatus. 1,682,539; Aug. 28.
- Sanford, Don A., deceased; G. L. Sanford, administratrix, Washington, D. C. Electric switch. 1,666,470; Apr. 17.
- Sanford, Frank A. (See Rossi, Louis, assignor.)
- Sanford, Grata L., administratrix. (See Sanford, Don A.)
- Sanford, Hugh W., Knoxville, Tenn. Journal box and axle. 1,661,968; Mar. 6.
- Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,673,161; June 12.
- Sanford, Hugh W., Knoxville, Tenn. Faucet. 1,681,597; Aug. 21.
- Sanford, Jesse H., Jr., assignor to Guaranteed Water Engineering Corporation, Pittsburgh, Pa. Apparatus for cleaning wells. 1,693,405; Nov. 27.
- Sanford Mills. (See Mellor, Horace, assignor.)
- Sanford Riley Stoker Company. (See Daniels, Fred H., assignor.)
- Sanford, Roy S., South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Vehicle brake. Re17,147; Nov. 27.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,656,294; Jan. 17.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-applying means. 1,661,772; Mar. 6.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,667,395; Apr. 24.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,674,303; June 19.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake mechanism. 1,681,014; Aug. 14.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-pressure gauge. 1,684,639; Sept. 18.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake drum. 1,686,346; Oct. 2.
- Sanford, Roy S., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Vehicle brake mechanism. 1,689,255; Oct. 30.
- Sanford, Roy S., Pasadena, Calif., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Vehicle brake. 1,663,338; May 1.
- Sanford, William H., Hartford, Conn. Pocketbook. 1,679,500; Aug. 7.
- Sanfiteben, Joseph F., assignor to Filtrators Company, Inc., New York, N. Y. Container for extracting apparatus. 1,683,102; Sept. 4.
- Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
- Sanger, Otto C., Hazen, N. Dak. Baby walker. 1,677,213; July 17.
- Sangren, Harry A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,659,165; Feb. 14.
- Sangster, William, Peterborough, Ontario, Canada, assignor to The De Laval Separator Company, New York, N. Y. Milk pasteurizer. 1,694,452; Dec. 11.
- Sangster, William, Peterborough, Ontario, Canada, assignor to The De Laval Separator Company, New York, N. Y. Milk pasteurizer. 1,695,207; Dec. 11.
- Sanguinetti, Adolphus, Stockport, England. Controlling means of variable-speed gearing for motor vehicles having handle bars. 1,666,793; Apr. 17.
- Sanitary Nursing Bottle Company. (See McMullen, George B., assignor.)
- Sanitary Products Corporation of America. (See Fine, Bernard M., assignor.)
- Sanitary Products Corporation of America. (See Mallory, George P., assignor.)
- Sanitary Products Corporation of America. (See Ruckert, Harry E., assignor.)
- Sanitary Sewer Basin Co. (See Gschwind, Leon, assignor.)
- Sanitation Corporation, The. (See Koch, Fred, assignor.)
- Sankey, Harold B., Albrighton, England. Tool holder and other receptacles for use on motor vehicles. 1,665,642; Apr. 10.
- Sann, Otto, Johnstown, Pa. Grinder. 1,664,949; Apr. 3.
- Sann, Otto, Johnstown, Pa. Grinding machine. 1,666,315; Apr. 17.
- Sann, Otto, Johnstown, Pa. Mine car. 1,689,056; Oct. 23.
- Sanna, Alfred F., New York, N. Y. Inlaid street directional and instruction sign. 1,690,842; Nov. 6.
- Sansaricq, Marcos L., Habana, Cuba. Centrifugal machine. 1,655,774; Jan. 10.
- Santa Ana, Max, Huntington Park, Calif. Electric hammer. 1,694,284; Dec. 4.
- Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
- Santarsiero, Antonio V., New York, N. Y. Sanitary safety cigar or cigarette holder. 1,657,485; Jan. 31.
- Santee, Elmer V., Williamson, N. Y. Stone gatherer. 1,666,836; Apr. 17.
- Santi, Louis, Marseille, France. Ear plug for bathers. 1,694,952; Dec. 11.
- Santicola, Quentin, assignor of one-fifth to F. Chircosta, Pittsburgh, Pa. Clothes-washing apparatus. 1,671,380; May 29.
- Santilli, Stefano, Canton, Ohio. Mopping machine. 1,675,054; June 26.
- Santilli, Stefano, Canton, Ohio. Paring and slicing knife. 1,695,473; Dec. 18.
- Santo, Ernest F., Walla Walla, Wash. Stabilizer for flying machines. 1,679,379; Aug. 7.
- Santorì, Cesare J. (See Jurado, A. W., and Santori.)
- Santos, John R. L., Baltimore, Md., assignor, by mesne assignments, to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic tool. 1,688,020; Oct. 16.
- Santos, John R. L., Baltimore, Md., assignor, by mesne assignments, to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic tool. 1,688,021; Oct. 16.
- Santos y Suarez, Isaac, and A. Acosta y Velo, Habana, Cuba. Tracklaying device. 1,683,498; Sept. 4.
- Santschi, Arthur E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrically-heated apparatus. 1,677,214; July 17.
- Santurello, Peter, Columbus, Ohio. Hair wrapper. 1,674,524; June 19.
- Sanymetal Products Company, The. (See Carpenter, Robert F., assignor.)
- Sanymetal Products Company, The. (See Carpenter, R. F., and Anderson, assignors.)
- Saoutchik, Jacques, Neuilly-sur-Seine, France. Device for raising or lowering window panes. 1,663,352; Mar. 20.
- Saperston, Perry, Chicago, Ill. Insole. 1,676,355; July 10.
- Saperston, Perry, Chicago, Ill. Arch support. 1,676,415; July 10.
- Sapinsley, Milton C., Providence, R. I. Display cabinet. 1,676,356; July 10.
- Sapp, Charles S., Richardson Park, Del. Dishwashing machine. 1,671,381; May 29.
- Sapp, James E., assignor of one-half to P. D. Rich, Bainbridge, Ga. Bottle-dispensing refrigerator. 1,689,256; Oct. 30.
- Sappenfield, Devere D., and F. M. Sheets, Kansas City, Kans. Windshield heater. 1,696,127; Dec. 18.
- Saranac Automatic Machine Corporation. (See Craig, Edward, assignor.)
- Saranac Machine Company. (See Newhouse, Walter F., assignor.)
- Saraniti, Thomas, Brooklyn, N. Y. Shoe. 1,695,063; Dec. 11.
- Sarazin, Frank L., Wabash, Minn. Combined bolt and nut lock. 1,666,608; Apr. 17.
- Sarber, Ira E., Elmore, Ala. Grave cover or similar article. Des. 77,033; Nov. 27.
- Sarber, Ira E., Elmore, Ala. Burial-vault lid. 1,656,571; Jan. 17.
- Sarby, Maurice D., Cleveland, Ohio, assignor to Kemet Laboratories Co. Inc. Treating electronic emission devices. 1,661,235; Mar. 6.
- Sarby, Maurice D., Cleveland, Ohio, assignor to The Kemet Laboratories Co. Inc. Electric vacuum furnace. 1,671,451; May 29.
- Sarfert, Willy. (See Richter, R., and Sarfert.)
- Sargeant, John M., Elmira, N. Y. Apparatus for constructing thin concrete walls and erecting the same. Re16,853; Jan. 17.
- Sargent, Charles E., Lakeland, Fla. Internal-combustion engine. 1,665,607; Apr. 10.
- Sargent, Charles E., assignor to Elgin Street Sweeper Company, Elgin, Ill. Street sweeper. 1,673,780; June 12.
- Sargent & Company. (See Carroll, William J., assignor.)
- Sargent & Company. (See Drexler, J. J., and Munson, assignors.)
- Sargent & Company. (See Munson, Henry H., assignor.)
- Sargent & Company. (See Page, Harry B., assignor.)
- Sargent & Company. (See Shaw, John H., assignor.)
- Sargent, Edwin, North Arlington, N. J. Scupper. 1,663,777; Mar. 27.
- Sargent Engineering Corporation. (See Sargent, Sumner B., assignor.)
- Sargent, Frederick G., Westford, Mass. Increasing buoyancy. 1,692,630; Aug. 28.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Automatic damper-operating device for drying machines. 1,663,180; Mar. 20.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Variable-speed drive for exhaust fans. 1,666,917; Apr. 24.
- Sargent, Frederick G., and F. L. Furbush, Westford assignors to C. G. Sargent's Sons Corporation, Granitville, Mass. Exhaust-fan control for drying machines. 1,663,181; Mar. 20.
- Sargent, George H., Toronto, Ontario, Canada, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,688,022; Oct. 16.

- Sargent & Greenleaf, Inc. (See Hill, William R., assignor.)
- Sargent, Howard R., Bridgeport, Conn., assignor to General Electric Company. Attachment-plug adapter. 1,664,990; Mar. 27.
- Sargent, Howard R., and F. C. De Reamer, Bridgeport, Conn., assignors to General Electric Company. Coupling for electric circuits. 1,696,583; Dec. 25.
- Sargent, James A., Elyria, assignor to Steel and Tubes, Incorporated, Cleveland, Ohio. Coiling mechanism. 1,660,951; Feb. 21.
- Sargent, James H., Walnut, Miss. Window sash. 1,658,656; Feb. 7.
- Sargent, Richard, Alix, Alberta, Canada. Animal pen. 1,656,127; Jan. 10.
- Sargent, Sumner B., near Huntington Park, Calif. Valve. 1,672,394; June 5.
- Sargent, Sumner B., Los Angeles, Calif., assignor to Sargent Engineering Corporation. Sucker-rod rotor. 1,681,789; Aug. 21.
- Sargent, Thomas W., Washington, D. C. Office indicator. 1,659,748; Feb. 21.
- Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)
- Sargent's, C. G., Sons Corporation. (See Sargent, Frederick G., assignor.)
- Sargent's, C. G., Sons Corporation. (See Sargent, F. G., and Furbush, assignors.)
- Sargent's, C. G., Sons Corporation. (See Turner, Eldon A., assignor.)
- Sargood, Harry M. (See McQuinn, Thomas H., assignor.)
- Sarkisian, Dickran M., Forest Hills, N. Y. Brake-band construction. 1,656,608; Jan. 17.
- Sarra, Frank. (See Grover, L. V., Sarra, and Durkee.)
- Sarra, Frank, assignor to J. J. Grover's Sons Company, Lynn, Mass. Arch support. 1,673,126; June 12.
- Sarra, Tullio, San Bruno, Calif. Making gut strings. 1,664,323; Mar. 27.
- Sartakoff, J. D., Corporation et al. (See Sartakoff, Jack D., assignor.)
- Sartakoff, Jack D., assignor of one-half to J. D. Sartakoff Corporation and one-half to Khetab Corporation, New York, N. Y. Bath thermometer. 1,688,832; Oct. 23.
- Sartorio, Giovanni. (See Urtis, Cesare, assignor.)
- Sas, Elmer, New York, N. Y. Golf game. 1,679,546; Aug. 7.
- Sasakawa, Miki, Yokohama, Japan. Plastic composition for modeling. 1,668,172; May 1.
- Sasgen, Michael J., assignor to Grand Specialties Company, Chicago, Ill. Doorstop. 1,656,394; Jan. 17.
- Sasgen, Michael J., assignor to Grand Specialties Company, Chicago, Ill. Doorstop. 1,687,517; Oct. 16.
- Sasnett, Edward C., Washington, D. C. Railway signaling. 1,661,507; Mar. 6.
- Sasnett, Edward C., Washington, D. C. Railway signaling. 1,661,508; Mar. 6.
- Sasnett, Edward C., Washington, D. C. Automatic train-control system. 1,690,459; Nov. 6.
- Sasnett, Edward C., Washington, D. C. Railway signaling. 1,690,460; Nov. 6.
- Sasnett, Edward C., Washington, D. C. Automatic train-control system. 1,690,505; Nov. 6.
- Sasnett, Edward C., Washington, D. C. Railway signaling. 1,690,506; Nov. 6.
- Sasnett, Edward C., Washington, D. C., assignor, by mesne assignments, to Chas. B. Foley, Inc. Electric furnace. 1,660,209; Feb. 21.
- Sass, Carl, Hamburg-Harvestehude, Germany. Cleansing box for use in sewerage pipes. 1,666,756; Apr. 17.
- Sass, Fred, Detroit, Mich., assignor to Bo-Zar Engraving Studios, Inc. Preparing color plates. 1,687,593; Oct. 16.
- Sasse, Frederick C. (See Cormier, Emery, assignor.)
- Sasseen, John H., New Braunfels, Tex. Preserving rice polish. 1,662,401; Mar. 13.
- Sasseman, Robert J., Chicago, Ill. Storage-battery-charging apparatus. 1,659,050; Feb. 14.
- Satenstein, Jesse. (See Weaver, John H., assignor.)
- Sater, John R. (See Heck, C. P., and Sater.)
- Sather, Edmund O., Alameda, Calif. Automatic windshield wiper. 1,661,388; Mar. 6.
- Sather, James A., Oakland, Calif. Vending machine. 1,686,178; Oct. 2.
- Sato, Ryuji, New York, N. Y. Bottle-cap opener. 1,658,396; Feb. 7.
- Sato, Sadasuke, San Francisco, Calif. Lamp shade. 1,677,660; July 17.
- Sator, Karl, and W. Pfannmüller, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of paraformaldehyde. 1,677,730; July 17.
- Sattels, Joseph T., Plainfield, N. J., assignor to Drednought Electric Corporation, New York, N. Y. Variable electrical coil. 1,673,886; June 19.
- Satterfield, E. S. (See Colwell, Robert J., assignor.)
- Satterholm, Robert W., Chicago, Ill. Warm-air furnace. 1,676,054; July 3.
- Satterlee, Eugene M., Meadville, assignor of one-half to The Standard Trailer Company, Cambridge Springs, Pa. Auxiliary air and drainage device for gasoline-engine intakes. 1,693,162; Nov. 27.
- Sattler, Dennis S., and F. H. McCuen, Chicago, Ill. Footstool and leg rest. 1,694,146; Dec. 4.
- Sattler, Elmer A., assignor to Belleville Stove & Range Company, Belleville, Ill. Stove. Des. 75,074; May 1.
- Sauer, Johan N. A., Amsterdam, Netherlands. Apparatus for purifying and simultaneously sterilizing water or other liquids or gases. 1,667,439; Apr. 24.
- Sauer, John W., Lexington, Ky. Display box. 1,663,958; Mar. 27.
- Sauer, John W., Chicago, Ill. Etching solution. 1,681,499; Aug. 21.
- Sauer, Joseph. (See Stark, N. I., and Sauer.)
- Saugman, Hartvig P., Glendale, Calif. Beverage dispenser. Des. 75,449; June 5.
- Saul, Edward J., Dennistown, Glasgow, Scotland. Game apparatus. 1,660,889; Feb. 28.
- Sauter, Alfred W., Rotherhithe, London, England. Packing of wire or the like. 1,691,995; Nov. 20.
- Saunders, Addison T., Akron, Ohio, assignor to A. G. Spalding & Bros., New York, N. Y. Game ball. 1,684,557; Sept. 18.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Cake stand. Des. 74,990; Apr. 24.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Sugar bowl. Des. 75,520; June 12.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Cream pitcher. Des. 75,521; June 12.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Teapot. Des. 75,522; June 12.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Border strip for a dish or similar article. Des. 75,654; June 26.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Cake plate. Des. 75,655; June 26.
- Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Teapot construction (pottery body). 1,681,598; Aug. 21.
- Saunders, Albert R. (See Brodie, Herbert, assignor.)
- Saunders, Alfred W., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Radio signaling system. 1,690,250; Nov. 6.
- Saunders, George E., Brooklyn, N. Y. Bread toaster. 1,668,607; May 8.
- Saunders, Henry C., Ontario, Calif. Fire-hydrant coupling. 1,682,187; Aug. 28.
- Saunders, Kenneth H., and H. Goodwin, Manchester, England, assignors to British Dyestuffs Corporation, Limited. Monoazo dyes. 1,657,724; Jan. 31.
- Saunders, Lewis E., Eastwood, South Australia, and M. Finkelstein, Sydney, New South Wales, Australia. Disinfecting device for water-closets and the like. 1,666,669; Apr. 17.
- Saunders, Nathan H., Cambridge, Wis. Extension-rim attachment. 1,688,989; Oct. 23.
- Saunders, Norman H. (See Louax, C. E., and Saunders.)
- Saunders, Norman H., Homewood, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,681,015; Aug. 14.
- Saunders, Norman H., Homewood, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,686,879; Oct. 9.
- Saunders, Orien R., Cove, Oreg. Weeder. 1,689,086; Oct. 23.
- Saunders, Philip K., Johannesburg, Transvaal, South Africa. Piston for use in the cylinders of internal-combustion engines. 1,696,017; Dec. 18.
- Saunier, Marcin E., Bay City, Mich. Wire twister. 1,654,704; Jan. 3.
- Saurer, Paul R., Floral Park, N. Y., assignor to The Peelle Company, Brooklyn, N. Y. Fireproof elevator door. 1,678,652; July 31.
- Saurman, Atlee B., assignor to Standard Underground Cable Company, Pittsburgh, Pa. Terminal. 1,656,395; Jan. 17.
- Saurman, Atlee B., Pittsburgh, Pa., assignor, by mesne assignments, to General Cable Corporation. Connector for sector-shaped conductors. 1,685,437; Sept. 25.
- Sausser, Arnold, Soleure, Switzerland. Apparatus for measuring given quantities of liquids. 1,673,207; June 12.
- Sausser, S. A. (See Wydler, Hermann, assignor.)
- Sauter, firm August, Waagenfabrik. (See Wirth, Armin, assignor.)
- Sauter, Joseph, and F. Levy, Munich, Germany. Diminishing the resistance of currents in conduit pipes. 1,655,197; Jan. 3.
- Sautermeister, Carl, Wiesbaden, Germany, and F. Wilhelm, Ploesti, Rumania. Working up acid resins obtained from the refining of mineral-oil derivatives into neutral bitumens. 1,677,731; July 17.
- Sauvage, Herbert J. (See Goodhue, J. G., and Sauvage.)
- Sauvage, Herbert J., assignor to Electro Thermostatic Control Company, Chicago, Ill. Control means for fluid-fuel burners. 1,675,137; June 26.
- Sauvage, Herbert J., assignor to Trustees of the Electro Thermostatic Control Company, Chicago, Ill. Thermostatic electric switch. 1,675,138; June 26.
- Sauvage, Herbert J., assignor to Drying Systems, Inc., Chicago, Ill. Thermostat. 1,683,264; Sept. 4.
- Sauvage, Herbert J., assignor to trustees of the Electro Thermostatic Control Company, Chicago, Ill., a Trust Estate. Thermostatic control system. 1,686,766; Oct. 9.

- Sauvage, Stanley, Chicago, Ill. Cooking apparatus. 1,685,829; Oct. 2.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Hand brake. 1,665,862; Apr. 10.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,051; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,052; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Brake-rigging regulator. 1,681,053; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Foundation brake rigging. 1,681,054; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,055; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,056; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,057; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,058; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,059; Aug. 14.
- Sauvage, William H., assignor, by mesne assignments, to Royal Railway Improvements Corporation, New York, N. Y. Regulator for brake rigging. 1,681,060; Aug. 14.
- Sauvage, Francis, Daly City, Calif. Heater. 1,668,026; May 1.
- Sauveur, Harry, Berlin, Germany. Tool for inserting stud bolts. 1,694,628; Dec. 11.
- Sauvey, Irving L., and S. De France, Green Bay, Wis. Safety gas valve. 1,672,504; June 5.
- Savadow, David, Baltimore, Md. Cutting and flanging device. 1,670,216; May 15.
- Savage Arms Corporation. (See Dunham, George W., assignor.)
- Savage, Edward S., assignor to The Todd Company, Inc., Rochester, N. Y. Printing apparatus. 1,673,162; June 12.
- Savage, George B. (See Staton, John W., assignor.)
- Savage, George E., Meriden, Conn., assignor, by mesne assignments, to Manning, Bowman & Co., Wilmington, Del. Handled nested cups. 1,665,179; Apr. 3.
- Savage, Harlow D. (See Jackson, G. F., and Savage.)
- Savage, Lawrence F., London, England. Stereoscopic cinematography. 1,695,744; Dec. 18.
- Savage, Llewellyn T., Boston, assignor to J. M. and L. T. Keyes, Concord, Mass. Outboard-engine bracket. 1,690,435; Nov. 6.
- Savage, Marion A., Scotia, N. Y., assignor to General Electric Company. Stator construction. 1,689,503; Oct. 30.
- Savage, Morris, Philadelphia, Pa. Candy box. Des. 74,630; Mar. 6.
- Savage, Ralph V., Los Angeles, Calif. Keyhole guard. 1,694,798; Dec. 11.
- Savage-Rubber Corporation. (See Savage, Wallace, assignor.)
- Savage, Stanley, Seattle, Wash. Toy pedal car. 1,668,784; May 8.
- Savage, Wallace, New York, N. Y., assignor to Savage-Rubber Corporation. Vulcanized pitches. 1,669,490; May 15.
- Savage, Wallace, Newark, N. J., assignor to Savage-Rubber Corporation. Treatment of fatty still residues. 1,669,491; May 15.
- Savary, Eugene A., Phoenicia, N. Y. Stair-carpet fastener. 1,680,343; Aug. 14.
- Savasky, Albert A., assignor to The Pathfinder Accessories Corporation, Cleveland, Ohio. Light-control appliance. 1,685,438; Sept. 25.
- Save-All Pie Plate Co., The. (See Smythe, Richard M., assignor.)
- Savery, Edwin, assignor to Boesch Lamp Company, San Francisco, Calif. Smoker's stand. 1,670,525; May 22.
- Savery, Joseph W., San Francisco, Calif. Smoker's stand. 1,662,171; Mar. 13.
- Saville, Willie, Liverpool, England, assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,675,310; June 26.
- Saville, Willie, Liverpool, England, assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,691,554; Nov. 13.
- Savoie, Joseph, Central Falls, R. I. Auxiliary lens attachment for spectacles. 1,661,967; Mar. 6.
- Savold, Elmer L., Hills, Minn. Automatic crossing gate. 1,659,051; Feb. 14.
- Savoye, Charles U. (See Schroeder, B., and Savoye.)
- Sawers, Andrew, Leeds, England. Attachment for sewing machines. 1,692,094; Nov. 20.
- Sawyer, Albert F., assignor to I. L. Keith, Haverhill, Mass. Motor support. 1,694,868; Dec. 11.
- Sawyer, Charles B., assignor to The Brush Laboratories Company, Cleveland, Ohio. Thermostatic controlling mechanism. 1,661,346; Mar. 6.
- Sawyer, Charles B., assignor to The Brush Laboratories Company, Cleveland, Ohio. Thermostatic controlling mechanism. 1,661,347; Mar. 6.
- Sawyer, Charles B., assignor to The Brush Laboratories Company, Cleveland, Ohio. Thermostatic controlling device. 1,661,349; Mar. 6.
- Sawyer, Emerson D., Chicago, Ill. Yieldable barrier. 1,654,606; Jan. 3.
- Sawyer, Emerson D., Chicago, Ill. Yieldable barrier. 1,666,508; Apr. 17.
- Sawyer, Emerson D., Chicago, Ill. Yieldable barrier. 1,675,912; July 3.
- Sawyer, Emerson D., Chicago, Ill. Barrier device for stopping vehicles. 1,687,147; Oct. 9.
- Sawyer, Emerson D., Chicago, Ill. Yieldable barrier with mechanical stop signal. 1,689,257; Oct. 30.
- Sawyer, Frank, Boston, Mass., assignor to Olmer Fare Register Company, Dayton, Ohio. Annunciator for taximeters. 1,667,131; Apr. 24.
- Sawyer, Frank M., Miami Beach, Fla. Window construction. 1,695,903; Dec. 18.
- Sawyer, Gregg E. (See Smith, J. W., Sawyer, and Martin.)
- Sawyer, John A. (See Walmer, I. G., and Sawyer.)
- Sawyer, Joseph W., Milbridge, Me. Process and apparatus for cleaning berries. 1,681,627; Aug. 21.
- Sawyer, Lester T., Fitchburg, Mass. Hair retainer or comb. 1,684,362; Sept. 11.
- Sawyer, Philip A., Hasbrouck Heights, N. J. Contact clamp. 1,670,009; May 15.
- Sax Bros. (See Kappel, William J.)
- Sax, Isidore, et al. (See Kappel, William J., assignor.)
- Sax, Marcus, et al. (See Kappel, William J., assignor.)
- Saxe, Alexander, New York, N. Y. Toothbrush. 1,675,139; June 26.
- Saxe, Arthur C. (See Roser, W. F., and Saxe.)
- Saxe, Charles W., assignor to Norton Company, Worcester, Mass. Refractory muffle. 1,661,309; Mar. 6.
- Saxon, Hilda M., Bellingham, Wash. Paper cover for toilet seats. 1,682,987; Sept. 4.
- Saxon, James A., Sapulpa, Okla. Rotary internal-combustion engine. 1,686,767; Oct. 9.
- Saxon, Augustus C., assignor to H-R Manufacturing Company, Chicago, Ill. Lock. 1,672,284; June 5.
- Saxton, Frank S., Blissfield, Mich. Easel stand. Des. 77,127; Dec. 4.
- Saxton, John N., Thermopolis, Wyo. Engine-lathe attachment. 1,654,607; Jan. 3.
- Saye, John F. (See Sheller, John C., assignor.)
- Sayer, Victor, New York, N. Y. Guide for slicing bread. 1,658,743; Feb. 7.
- Sayford Paper Specialty Company. (See Martz, Charles C., assignor.)
- Saylor, Gotthold Zittau, Germany. Hank of yarn and the like. 1,682,631; Aug. 28.
- Sayles Finishing Plants, Inc. (See Bennett, George E., assignor.)
- Sayles, Henry W., Peoria, Ill., assignor to Delco-Light Company, Dayton, Ohio. Battery-charging system. 1,660,397; Feb. 28.
- Saylor, Elizabeth E., executrix. (See Saylor, John R.)
- Saylor, Frank D., Detroit, Mich. Flexible conduit for electric wires. 1,668,699; May 8.
- Saylor, John R., deceased; E. E. Saylor, executrix, assignor to Pottstown Machine Company, Pottstown, Pa. Automatic tapping machine. 1,656,758; Jan. 17.
- Saylor, John R., deceased; E. E. Saylor, executrix, assignor to Pottstown Machine Company, Pottstown, Pa. Automatic tapping machine. 1,656,759; Jan. 17.
- Saylor, John R., deceased; E. E. Saylor, executrix, assignor to Pottstown Machine Company, Pottstown, Pa. Tap. 1,688,209; Oct. 16.
- Sayre, Gordon B., assignor to Owen-Dyneto Corporation, Syracuse, N. Y. Mounting for windshield wipers. 1,677,215; July 17.
- Saywell, George W. (See Monosmith, Clayton E., D. J., and O. B., assignors.)
- Scaggs, Luther E., Corsicana, Tex. Transmission. 1,665,984; Apr. 10.
- Scaife, Alan M., Pittsburgh, Pa., assignor to Wm. B. Scaife & Sons Company. Container. 1,681,955; Aug. 28.
- Scaife, Alan M., Pittsburgh, Pa., assignor to Wm. B. Scaife & Sons Company. Container and making the same. 1,685,246; Sept. 25.
- Scaife, Wm. B., & Sons Company. (See Newman, Martin F., assignor.)
- Scaife, Wm. B., & Sons Company. (See Scaife, Alan M., assignor.)
- Scales, Freeman M. (See Corby, R. L., Scales, and Bührig.)
- Scalf, William D., Pineville, Ky. Cash-fare manipulator. 1,694,285; Dec. 4.
- Scally, George, Chicago, Ill. Safety device for locks. 1,666,542; Apr. 17.
- Scalzo, Vincent, Pittston, Pa. Windshield cleaner. 1,665,794; Apr. 10.
- Scammell China Company. (See Schnepf, Emil L., assignor.)
- Scanlan, Chester J., Bloomington, Ill. Electric water heater. 1,692,869; Nov. 27.
- Scanlan, Thomas J., Oakland, Calif. Game or puzzle. 1,676,505; July 10.
- Scanlin, John. (See Walton, Mark, assignor.)

- Scanlin, Joseph R., Port Arthur, Tex., assignor, by mesne assignments, to Texas Company, New York, N. Y. Oxidation of hydrocarbons. 1,668,871; May 8.
- Scanlon, Henry P., and E. R. Price, Ventura, Calif. Jar. 1,671,489; May 29.
- Scannell, Albert T., Chicago, Ill. Mast-erecting apparatus. 1,667,440; Apr. 24.
- Scarlato, Angelo, Brooklyn, N. Y. Window device. 1,659,924; Feb. 21.
- Scarlett, Arthur A., Canton, Ill., assignor to International Harvester Company. Rolling colter for brush breakers. 1,669,950; May 15.
- Scarlett, Arthur A., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Tandem disk harrow. 1,691,587; Nov. 13.
- Scarlett, George B., assignor to Glacifer Company, Kennett Square, Pa. Refrigerating unit. 1,688,023; Oct. 16.
- Scarritt, Elwood W. (See Partridge, E. M., and Scarritt.)
- Scatena, Vincent, Pittsburgh, Pa. Signal-light casing. Des. 74,699; Mar. 13.
- Scene-in-Action Corporation. (See Sabath, Albert, assignor.)
- Scenter, Talbert B., Chattaroy, W. Va. Miner's pick. 1,668,252; May 1.
- Scese, John E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Brake adjustment. 1,683,057; Sept. 4.
- Schaab, Harry M. (See Proctor, R. V., and Schaab.)
- Schaaff, Ernest, Strasbourg, France. Producing charts for testing color vision. 1,658,356; Feb. 7.
- Schaal, Louis D., assignor to J. Larson, Oakland, Calif. Water-closet seat. 1,656,955; Jan. 24.
- Schaap, Robert L., New York, N. Y. Micrometer measuring tape. 1,672,913; June 12.
- Schacht, Charles W., assignor to Corduan Manufacturing Company, Chicago, Ill. Implement for uprooting plants. 1,672,095; June 5.
- Schacht, Elmer C., assignor to Peerless Surfacing Machine Co., Inc., Troy, N. Y. Disk sanding mechanism. 1,693,163; Nov. 27.
- Schacht, William A. (See Jacobson, Moses, assignor.)
- Schachter, Karl, Dorchester, Mass. Periodical holder. 1,695,297; Dec. 18.
- Schachter, Max, New York, N. Y. Adjustable length tie. 1,684,150; Sept. 11.
- Schade, Carl H., Denver, Colo. Ironing board. 1,656,396; Jan. 17.
- Schade, Frank W. (See Lamb, J. F., and Schade.)
- Schade, Frederik, Copenhagen, Denmark. Method and machine for the producing of tightly-coiled paper. 1,677,599; July 17.
- Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Sheet-retaining post for loose-leaf ledgers. 1,661,811; Mar. 6.
- Schade, John, assignor to National Blank Book Co., Holyoke, Mass. Shift bar for visible indexes. 1,687,108; Oct. 9.
- Schadel, William F., assignor to Kanawha Manufacturing Company, Charleston, W. Va. Car-dumping apparatus. 1,675,197; June 26.
- Schadt, Ewald K. (See Seaholm, E. W., Parker, and Schadt.)
- Schaele, Henri, Liege, Belgium. Hydraulic brake. 1,682,308; Aug. 28.
- Schaeel, Henry V., assignor to Liquid Veneer Corporation, Buffalo, N. Y. Floor polisher. 1,694,983; Dec. 11.
- Schaefer, Adolph A., Buffalo, N. Y., assignor to Frontier Manufacturing Company, North Tonawanda, N. Y. Device for testing lubricating oils. 1,677,690; July 17.
- Schaefer, Albert N., Minneapolis, Minn. Brush ax. 1,685,141; Sept. 25.
- Schaefer, August, assignor of one-half to A. Baltheiser, New York, N. Y. Box. Des. 74,805; Mar. 27.
- Schaefer, August C., Portland, Oreg. Can opener of the nipper type having an adjusting head. 1,662,172; Mar. 13.
- Schaefer, Clarence A., Davenport, Iowa. Radio indicating device. 1,689,405; Oct. 30.
- Schaefer, Edward C. F., York, Pa. Manure spreader. Re16,929; Apr. 10.
- Schaefer, Frank, assignor of one-half to American Signs Corporation, Kalamazoo, Mich. Gaseous conduction lamp. 1,672,285; June 5.
- Schaefer, Friedrich, St. Gall, Switzerland. Cord-sealing device. 1,689,691; Oct. 30.
- Schaefer, George W., Quincy, Mass., assignor to Addressograph Company, Wilmington, Del. Printing and index device. 1,682,188; Aug. 28.
- Schaefer, Gustav, Wagon Company, Th. (See Schaefer, Henry G., assignor.)
- Schaefer, Henry G., Lakewood, assignor to The Gustav Schaefer Wagon Company, Cleveland, Ohio. Door-operating mechanism. 1,671,318; May 29.
- Schaefer, Joseph. (See Warner, R. J., and Schaefer.)
- Schaefer, Joseph J., jr., Dayton, Ohio. Textile lubricant and process. 1,677,852; July 17.
- Schaefer, Louis, assignor to Reed & Barton, Taunton, Mass. Jeweler's display device. 1,660,210; Feb. 21.
- Schaefer, Louis T., sr., Glendale, Ohio. Packing machine. 1,657,182; Jan. 24.
- Schaefer, Robert W. (See Baldwin, J. R., jr., and Schaefer.)
- Schaeffer, Charles, assignor to Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Rear shock absorber for motor vehicles. 1,658,657; Feb. 7.
- Schaeffer, Charles, assignor to Societe Anonyme Des Anciens Etablissements Panhard & Levassor, Paris, France. Suspension device for vehicles. 1,668,423; May 1.
- Schaeffer, Charles, assignor to Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Sleeve-valve engine. 1,673,340; June 12.
- Schaeffer, Charles, assignor to Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Sleeve of the engine of the sleeve-valve type. 1,677,051; July 10.
- Schaeffer, Charles L., Cincinnati, Ohio. Concrete construction block. 1,659,962; Feb. 21.
- Schaeffer, Charles M., Allentown, Pa., assignor to Fuller Company. Conveying apparatus. 1,670,383; May 22.
- Schaeffer, Edward G., Brooklyn, N. Y. Infants' portable collapsible bathtub. 1,658,944; Feb. 14.
- Schaeffer, Elmer H., Reading, Pa. Tire spreader. 1,682,632; Aug. 28.
- Schaeffer, John A. (See Calbeck, J. H., and Schaeffer.)
- Schaelchlin, Walter, Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage regulator. 1,684,151; Sept. 11.
- Schae, Charles, Langenthal, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Co., St. Louis, Mo. Two-cycle engine. 1,671,787; May 29.
- Schae, Charles, Langenthal, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. 1,673,956; July 31.
- Schae, Charles, Langenthal, assignor to the firm Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Process and apparatus for welding plates. 1,694,629; Dec. 11.
- Schaeen, Ernst, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Injection device for internal-combustion engines. 1,684,074; Sept. 11.
- Schaeen, Ernst, Bern, Switzerland, assignor, by mesne assignments, to Busch-Sulzer Bros.-Diesel Engine Co., St. Louis, Mo. High-pressure crude-oil motor. 1,693,963; Dec. 4.
- Schaf, Joseph C., jr., Indianapolis, Ind. Universal holding carriage for test stands and lathes. 1,684,600; Sept. 18.
- Schaffer, Carl. (See Burnham, L. F., Keim, and Schaffer.)
- Schaffer, John P., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Selective translation system. 7,696,212; Dec. 25.
- Schaffer, John V., assignor to H. A. Douglas, Bronson, Mich. Lock. 1,657,039; Jan. 24.
- Schäfer, Otto, Viersen, Germany. Machine for treating fibers or threads. 1,658,357; Feb. 7.
- Schäfer, Richard, assignor to M. Wiesenenthal, Magdeburg, Germany. Interliner. 1,656,832; Jan. 17.
- Schaffer, Alexander, New York, N. Y. Shoe lace. 1,669,537; May 15.
- Schaffer, Ernest C., et al. (See Biette, Henry C., assignor.)
- Schaffer, Henry J., Brooklyn, N. Y. Ash sifter. 1,658,060; Feb. 7.
- Schaffer, Henry J., assignor to J. Schaffer, Brooklyn, N. Y. Container. 1,693,819; Dec. 4.
- Schaffer, Jacob. (See Schaffer, Henry J., assignor.)
- Schaffer, John C., Tiffin, Ohio, assignor to Schaffer Poidometer Company, Pittsburgh, Pa. Method and apparatus for hydration. 1,668,339; May 1.
- Schaffer, John C., assignor to Schaffer Poidometer Company, Pittsburgh, Pa. Lime-hydrating apparatus. 1,668,924; May 8.
- Schaffer, Max, Co. (See Krause, Arthur R., assignor.)
- Schaffer, Phillip F., Wildwood, N. J. Screw driver. 1,658,658; Feb. 7.
- Schaffer Poidometer Company. (See Schaffer, John C., assignor.)
- Schaffer, Walter. (See von Arco, G., Schaffer, and Moser.)
- Schaffer, Walter, Berlin, Germany, assignor to Radio Corporation of America. Coupling arrangement. 1,669,103; May 8.
- Schaffer, Walter, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Modulation-indicating arrangement. 1,690,704; Nov. 6.
- Schaffer, Werner, Laupen, near Bern, assignor to Chocolat Tobler Holding Co. Aktiengesellschaft, Schaffhausen, Switzerland. Line-printing typewriter or the like machine. 1,690,879; Nov. 6.
- Schaffert, Evelyn O., New York, N. Y. Weather shield for windows. 1,687,332; Oct. 9.
- Schäffer, Oscar, Detroit, Mich. Electric cooking and heating device. 1,676,669; July 10.
- Schairer, Otto S., Plum Township, Allegheny County, Pa., assignor, by mesne assignments, to Excel Products Corporation. Automobile signal device. 1,674,022; June 19.
- Schairer, Otto S., Plum Township, Allegheny County, Pa., assignor, by mesne assignments, to Excel Products Corporation. Switch box. 1,674,023; June 19.
- Schalk, Jacob R., Rhinebeck, N. Y. Marine rail stanchion. Des. 77,128; Dec. 4.
- Schall, Jacques, Paris, France. Powder box. 1,674,525; June 19.

- Schall, Myron R. (See McMillan, R., and Schall.)
 Schaller, Robert F., Rahway, and W. J. Lidle, Newark, N. J. Machine for making quartz-glass rods and tubes. 1,655,846; Jan. 10.
 Schallhorn, William, Company, The. (See Bernard, William A., assignor.)
 Schamberger, George, assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Incinerator. 1,674,304; June 19.
 Schamps, Edward A. (See Thomas, D. H., and Schamps.)
 Schanberger, Marguerite G. (See Mohler, Valentin J., assignor.)
 Schaper, Harry C., St. Louis, Mo. Desk blotter. 1,658,465; Feb. 7.
 Schaper, Harry C., St. Louis, Mo. Micrometer calliper. 1,664,833; Apr. 3.
 Schaper, Harry C., St. Louis, Mo., assignor, by mesne assignments, to Schaper Scale Company. Even-balance-indicating scale. 1,666,314; Apr. 17.
 Schaper, Harry C., assignor to The Weight-O-Graph Company, St. Louis, Mo. Weight-indicating scale. 1,659,753; Oct. 30.
 Schaper Scale Company. (See Schaper, Harry C., assignor.)
 Schärer-Nussbaumer & Co. (See Zindel, Ernst, assignor.)
 Scharf, Joachim B., Chicago, Ill. Storage-battery flushing and refilling device. 1,666,837; Apr. 17.
 Scharff, Adrian C., Orange, Conn. Smoker's stand. Des. 74,523; Feb. 21.
 Scharff, Adrian C., Orange, Conn. Smoker's stand. Des. 76,205; Aug. 28.
 Scharff, Adrian C., Orange, Conn. Smoker's stand. Des. 76,206; Aug. 28.
 Scharbag, Peter, Milwaukee, Wis., assignor to Scott & Williams, Incorporated, New York, N. Y. Dial-harmonizing device for circular-knitting machines. 1,695,208; Dec. 11.
 Scharnhorst, Louis C. (See Baumheckel, William M., assignor.)
 Scharphuis, Rolf, Port Townsend, Wash. Ice-cream-cone tongs or lifter. 1,662,867; Mar. 20.
 Schatz, Herman A. (See Smith, William F., assignor.)
 Schatzel, Rudolph A. (See Hendey, G. A., and Schatzel.)
 Schau, William, Kalamazoo, Mich. Auxiliary heating attachment for furnaces. 1,675,384; July 3.
 Schaub, Rudolph G. (See Jordan, Charles J., assignor.)
 Schauble, Louis F., Seattle, Wash. Vacuum oil burner. 1,671,319; May 29.
 Schauer, Ozni E., and R. L. Rickwood, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Split-sleeve frictional reverser. 1,659,304; Feb. 14.
 Schauer, Paul, Zehlendorf, near Berlin, Germany. Rotary compressor. 1,677,216; July 17.
 Schauer, Carl, Philadelphia, Pa. Golf or putting cup. 1,660,580; Feb. 28.
 Schauman, Carl, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Centrifugal. 1,667,493; Apr. 24.
 Schauman, Bror M., New York, N. Y., and J. F. Milligan, Ridgefield Park, N. J., assignors to Thord-Gray Holding Corporation, New York, N. Y. Vehicle brake-operating means. 1,662,868; Mar. 20.
 Schauman, Karl O., New York, N. Y., assignor to W. H. Avery, San Francisco, Calif. Cable bumper. 1,686,535; Oct. 9.
 Schauman, Karl O., Asbury Park, N. J., assignor to W. H. Avery, San Francisco, Calif. Bumper control. 1,686,536; Oct. 9.
 Schauman, Karl O., S. R. Yancey, and J. L. Mifsud, assignors to Sure-Guard Corporation, New York, N. Y. Bumper. 1,658,574; Feb. 7.
 Schauman, Karl O., S. R. Yancey, and J. L. Mifsud, assignors to Sure-Guard Corporation, New York, N. Y. Bumper. 1,669,536; May 15.
 Schauman, Karl O., S. R. Yancey, and J. L. Mifsud, assignors to Sure-Guard Corporation, New York, N. Y. Spring control. 1,679,181; July 31.
 Schauman, Karl O., S. R. Yancey, and J. L. Mifsud, assignors to Sure-Guard Corporation, New York, N. Y. Car bumper. 1,686,991; Oct. 9.
 Schaure, Werner, Neuss, Germany. Screw gauge. 1,674,875; June 26.
 Schechtel, Harry, et al. (See Catterlin, F. J., and Spencer, assignors.)
 Schechter, Joseph, Brooklyn, assignor to A. Rosenberg, New York, N. Y. Key-cutting machine. 1,656,295; Jan. 17.
 Scheck, Clarence W., Pittsburgh, Pa. Golf game apparatus. 1,676,804; July 10.
 Schedler, Carl W. (See Hirschkind, W., and Schedler.)
 Schedler, Carl W., Berkeley, Calif. Evaporator protector. 1,664,133; Mar. 27.
 Schedwin, Emil F., Kiruna, Sweden. Apparatus for cutting cheese or the like. 1,690,951; Nov. 6.
 Scheel, Gustave A. (See Kirkham, P., and Scheel.)
 Scheel, Herbert, Maplewood, Mo., assignor, by mesne assignments, to Scheel Motors Corporation. Rotary valve. 1,695,348; Dec. 18.
 Scheel, John J., Detroit, Mich. Burial vault and sealing same. 1,680,642; Aug. 14.
 Scheel Motors Corporation. (See Scheel, Herbert, assignor.)
 Scheel, Otto E., Detroit, Mich. Concrete burial box. 1,683,265; Sept. 4.
 Scheerbarth, Friedrich W. M. L., Altona-Bahrenfeld, Germany. Apparatus for automatic regulation of different wave-lengths for wireless receivers. 1,684,519; Sept. 18.
 Scheffey, George B., Roanoke Rapids, N. C., assignor to Lightship Board Company, Inc., Weehawken, N. J. Cloth board or similar article. 1,659,282; Feb. 14.
 Scheibe, Adolf. (See Giebe, E., and Scheibe.)
 Scheibe, Melinda E. (See Carley Leta L., assignor.)
 Scheibel, Kurt G., Dresden, Germany. Machine for perforating jacquard cards for embroidering machines. 1,667,742; May 1.
 Scheiber, Johannes, and W. Noack, Leipzig, Germany. Preparation of a new type of shellac substitutes. 1,660,094; Feb. 21.
 Scheibert, Friedrich, Lubben, Germany. Inflatable and collapsible boat. 1,672,473; June 5.
 Scheibbl, Robert J., Jr., St. Louis, Mo., assignor to American Car and Foundry Company, New York, N. Y. Journal-box lid. 1,685,097; Sept. 25.
 Scheid, Johann F., Hermsdorf, and V. Tonndorf, assignors to the firm: Carl Zeiss, Jena, Germany. Making finely-perforated ceramic plates. 1,673,269; June 12.
 Scheidacker, Hans T., assignor to Hudson Brass Works, Inc., Brooklyn, N. Y. Floor lamp. Des. 76,639; Oct. 16.
 Scheide, Charles W., Elyria, Ohio. Hood support for cameras. 1,675,055; June 26.
 Scheidegger, Paul. (See Gams, A., and Scheidegger.)
 Scheidemandel, Hans, Munich, Germany. Device for assorting of moldings—for instance, wooden boards. 1,660,179; Feb. 21.
 Scheidt, Ernst O., Werder-Havel, near Berlin, Germany. Sterilization of clear and turbid liquids by means of ultra-violet rays produced in vacuum tubes by high-voltage electric current. 1,670,217; May 15.
 Scheier, Edward. (See Wilks, A., and Scheier.)
 Schein, Alexander E., Flushing, N. Y. Hydrocarbon burner. 1,693,054; Nov. 27.
 Schein, Alexander E., Flushing, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic stabilizer for ships. 1,655,800; Jan. 10.
 Schein, Alexander E., Flushing, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Thrust bearing. 1,682,190; Aug. 28.
 Schein, Alexander E., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Radial bearing. 1,662,903; Mar. 20.
 Schein, Alexander E., New York, N. Y., assignor to The Sperry Gyroscope Company. Bearing. 1,670,636; May 22.
 Schein, Alexander E., New York, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Babbitted bearing. 1,682,189; Aug. 28.
 Scheiner, Harry, and J. and P. Silberhartz, Brooklyn, N. Y. Aquarium stand. Des. 76,057; Aug. 14.
 Schelh, Peter J., Fort Worth, Tex. Display sign. Des. 75,987; Aug. 7.
 Schelben, Fred, Greenville, Miss. Truck body. 1,691,859; Nov. 13.
 Schelf, Adolph C., Colp, Ill. Wrench. 1,666,353; Apr. 17.
 Schell, Hermann, Nuremberg, Germany. Cooking apparatus with steam hood. 1,664,324; Mar. 27.
 Schellberg, Oscar B., New York, N. Y. Liquid-flow regulator. 1,677,732; July 17.
 Schellberg, Oscar B., New York, N. Y. Colonic therapy apparatus. 1,696,018; Dec. 18.
 Schellenbach, William L., Wyoming, assignor to The American Tool Works Company, Cincinnati, Ohio. Clutch-actuating means for machine tools. 1,692,705; Nov. 20.
 Schellong, John C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Semimechanical rectifier. 1,673,026; June 12.
 Schellenger, Newton C., Elkhart, Ind. Jack. 1,676,055; July 3.
 Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Terminal. 1,678,745; July 31.
 Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Jack. 1,678,746; July 31.
 Schellenger, Newton C., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Jack. 1,696,865; Dec. 25.
 Schellens, Christopher A., Marblehead, Mass., assignor, by mesne assignments, to C-S Engineering Company. Centrifugal pump. 1,664,488; Apr. 3.
 Schellens, Eugene L., Pointe Claire, Quebec, Canada, assignor, by mesne assignments, to C-S Engineering Company. Draft appliance for locomotives. 1,671,382; May 29.
 Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, Jr., Lisbon, N. H., assignors to C. S. Engineering Company. Centering device. 1,654,898; Jan. 3.
 Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, Jr., Lisbon, N. H., assignors to C-S Engineering Co. Locomotive booster device. 1,668,340; May 1.
 Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, Jr., Lisbon, N. H., assignors to C-S Engineering Company. Railway truck. 1,668,424; May 1.
 Schellens, Eugene L., Pointe Claire, Quebec, Canada, and J. S. Coffin, Jr., Lisbon, N. H., assignor, by mesne assignments, to C-S Engineering Company. Locomotive draft appliance. 1,685,574; Sept. 25.

- Schellentrager, Eugene W., assignor to The Atlas Car & Manufacturing Company, Cleveland, Ohio. Dump car. 1,664,268; Mar. 27.
- Schellhaas, George, assignor to The Cem Securities Corporation, New York, N. Y. Making composition cork. 1,660,529; Feb. 28.
- Schelling, Ernest J., Toledo, Ohio. Dressing. 1,667,222; Apr. 24.
- Scheminger, John, jr., Providence, R. I. Rotary oil burner. 1,695,030; Dec. 11.
- Schemmel, Robert C., Union City, Ind. Finishing welt. 1,655,164; Jan. 3.
- Schen, Charles J., Detroit, Mich. Universal thread gauge. 1,661,857; Mar. 6.
- Schenck, Charles, and L. Fine, assignors to Bethlehem Steel Company, Bethlehem, Pa. Metal wheel for elastic tires. 1,683,700; Sept. 11.
- Schenck, Samuel B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bus-line connector. 1,658,945; Feb. 14.
- Schenderlein, Otto G., Oakland, Calif. Automatic hose reel. 1,675,140; June 26.
- Schenk, Frederick W., New York, N. Y. Clock frame. Des. 77,129; Dec. 4.
- Schenk, John C., assignor to Peninsular Stove Company, Detroit, Mich. Gas-stove construction. 1,656,447; Jan. 17.
- Schenk, Nicholas, St. Louis, Mo. Sanitary pillow. 1,680,069; Aug. 7.
- Schenk, Otto, assignor to C. R. Balis and C. N. Stemper, Dayton, Ohio. Machine for opening oysters. 1,685,296; Sept. 25.
- Schenk, William J., Home Gardens, Calif. Manufacture of imitation-marble panels. 1,665,072; Apr. 3.
- Schenke, Max B., Jersey City, N. J. Vanity case. Des. 76,637; Oct. 16.
- Schenkel, Moritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Rotary phase converter for converting alternating current. 1,669,576; May 15.
- Schenkel, Moritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Frequency converter of asynchronous construction. 1,669,577; May 15.
- Schenstrom, William. (See Kjekstad, Johannes, assignor.)
- Schenzer, Karl. (See Hartmann, Paul, assignor.)
- Schepman, Frederick W., Evansville, Ind., assignor to E. E. Heer, Springfield, Mo., and myself. Card holder. 1,665,180; Apr. 3.
- Schepss, Wilhelm. (See Rabe, P., Stötter, Wenk, and Schepss.)
- Scherbaum, Bernhard, Wedel, Germany. Grinding and pulverizing mill. 1,691,210; Nov. 13.
- Scherbaum, Johann B. C., Wedel, Holstein, Germany. Grinding mill. 1,656,503; Jan. 17.
- Scherbius, Arthur, Berlin-Wilmersdorf, assignor, by mesne assignments, to Chiffriermaschinen Aktiengesellschaft, Berlin, Germany. Ciphering machine. 1,657,411; Jan. 24.
- Scherer, John R., Detroit, Mich., assignor to The Abbey-Scherer Company. Reinforcing means for woven-wire panels. 1,669,211; May 8.
- Scherer, John R., assignor to The Evans Auto Loading Co., Inc., Detroit, Mich. Wheel-anchoring device. 1,669,578; May 15.
- Scherer, Paul A., Medford, Oreg. Handling fruit. 1,667,132; Apr. 24.
- Scherfer, Jacob, and I. L. Kane, Chicago, Ill. Lady's undergarment or vest. 1,675,056; June 26.
- Scherling-Kahlbaum, A. G. (See Schoeller, W., and Alldard, assignors.)
- Scherling, Otto Y., Chicago, Ill. Combined vending jar and base. Des. 76,427; Sept. 25.
- Schermer, Adolf, Baltimore, Md. Oyster opener. 1,679,787 Aug. 7.
- Schermerhorn, John L., assignor to American Transformer Company, Newark, N. J. Transformer. Re16,854; Jan. 17.
- Schermuly, Joseph, Wichita, Kans. Air and oil equalizing means for oil burners. 1,655,246; Jan. 3.
- Scherner, John, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Wrench mechanism. 1,661,682; Mar. 6.
- Scherfel, Ludwig, and W. Lüty, assignors to the firm Th. Goldschmidt A.-G., Essen, Germany. Production of solid finely-divided material. 1,670,049; May 15.
- Scherzer Rolling Lift Bridge Company, The. (See Erdal, Engolf, assignor.)
- Schostakoff, Pierre, Paris, France. Preparation of photographic developers. 1,663,959; Mar. 27.
- Schottler, Gustav A., Bramley, Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Leather-working machine. 1,683,704; Sept. 11.
- Schottler, Gustav A., Leeds, England, assignor to The Turner Tanning Machinery Company, Portland, Me. Machine for treating hides, skins, leather, and other like pieces of material. 1,686,768; Oct. 9.
- Schottler, Gustav A., Leeds, England, and O. Böttger, Frankfurt-on-the-Main, Germany, assignors to The Turner Tanning Machinery Company, Portland, Me. Machine for operating upon hides, skins, leather, and other similar pieces of work. 1,686,769; Oct. 9.
- Scheu Manufacturing Company. (See Nutt, H. G., and Bartholomew, assignors.)
- Scheu, William C., Upland, Calif. Smokeless orchard heater. 1,655,569; Jan. 10.
- Scheuer, Alfred A., assignor of one-fourth to H. Victor and one-tenth to A. Palmer, New York, N. Y. Toy game color chart. 1,689,158; Oct. 23.
- Scheuer, Max G. (See Switzer, Maurice, assignor.)
- Scheuer, William, New York, N. Y. Automatic spot-setting machine. 1,685,504; Sept. 25.
- Scheuer's, Herman, Son & Co. (See Arnold, Max, assignor.)
- Scheuermann, Otto, Sharon, Pa. Automatic arcless plug connection. 1,686,347; Oct. 2.
- Scheunert, Alfred, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,672,990; June 12.
- Scheunert, Alfred, Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,689,213; Oct. 30.
- Schicht, Georg, A.-G. (See Eisenstein, Alfred, assignor.)
- Schick, Adolph M., Wheeling, W. Va. Mechanical display apparatus. 1,683,990; Sept. 11.
- Schick, Harry C., Inc. (See Grassman, Edward C., assignor.)
- Schick, Jacob, Stamford, Conn. Shaving implement. 1,690,133; Nov. 6.
- Schick, Jacob, West Orange, N. J., assignor to Magazine Repeating Razor Company. Razor. 1,655,437; Jan. 10.
- Schickerling, Conrad, assignor of one-half to L. B. Schickerling and H. Schickerling, East Orange, N. J. Radiotube. 1,687,897; Oct. 16.
- Schickerling, Conrad, assignor to H. Schickerling, East Orange, N. J. Rectifier tube. 1,687,898; Oct. 16.
- Schickerling, Hortense, et al. (See Schickerling, Conrad, assignor.)
- Schickerling, Lillie E., et al. (See Schickerling, Conrad, assignor.)
- Schidorsky, Theodore, New York, N. Y. Water fountain. 1,685,830; Oct. 2.
- Schidrowitz, Philip, London, assignor to Vultex Limited, Jersey, Channel Islands, England. Manufacture of rubber and the like. 1,682,857; Sept. 4.
- Schiebeler, Carl, Berlin, Germany, assignor to General Electric Company. Electric control system. 1,669,148; May 8.
- Schiebeler, Carl, Berlin, Germany, assignor to General Electric Company. Motor-control system. 1,684,247; Sept. 11.
- Schieber, Robert E., Detroit, Mich. Valve. 1,665,934; Apr. 10.
- Schiele, Seymour, St. Louis, Mo. Gum-massaging implement. 1,660,095; Feb. 21.
- Schiele, Seymour, St. Louis, Mo. Gum-massaging implement. 1,660,096; Feb. 21.
- Schieler, Harry H., New Meadows, Idaho, assignor of one-third to C. E. Stoltz, Webster Groves, Mo. Motor vehicle. 1,676,357; July 10.
- Schierburg, Albert F., Denver, Colo. Amusement device. 1,672,692; June 5.
- Schiering, Hermann, and A. Reinhardt, Apolda, Germany. Railway signaling device. 1,667,709; Apr. 24.
- Schierloh, Jerry H., Oakwood, near Dayton, assignor to The Dayton Stencil Works Company, Dayton, Ohio. Metal trade token. Des. 75,656; June 26.
- Schiesser, Max, Baden, Switzerland. Rectifier and connection therefor. 1,691,447; Nov. 13.
- Schiesser, Max, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Centrifugal starter for electric motors. 1,682,424; Aug. 28.
- Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Dough-proofing machine. 1,656,890; Jan. 17.
- Schifko, Ewald J., assignor of one-third to F. Franzen and one-third to L. Hill, Oakland, Calif. Protective apparatus. 1,675,428; July 3.
- Schiftner, Joseph, La Gloria, Cuba. Sugar-hauling apparatus. 1,677,733; July 17.
- Schild, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Electrical connector. 1,668,361; May 1.
- Schilde, Richard, Hersfeld, Germany. Apparatus for drying fabrics and the like. 1,670,991; May 22.
- Schiller, Ferdinand, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,685,960; Oct. 2.
- Schiller, Morgan B., and O. J. Haller, Pittsburgh, Pa., assignor, by mesne assignments, to American Tubular Elevator Company, Tower. 1,676,161; July 3.
- Schiller, Morris, Venice, Calif. Flush-valve mechanism. 1,686,932; Oct. 9.
- Schiller, Rudolf, Brooklyn, N. Y. Arch support. 1,676,162; July 3.
- Schilling, Arthur O., Rochester, N. Y., assignor to American Poultry Association, Fort Wayne, Ind. Badge. Des. 74,277; Jan. 17.
- Schilling, Frances I. (See Clark, Frederick E., assignor.)
- Schilling, Jacob, Hosmer, S. Dak. Locking cover. 1,657,283; Jan. 24.
- Schilling, John M., Lima, Ohio. Cabinet for bottle coolers. Des. 76,423; Sept. 25.
- Schilling, John M. and W. G., Lima, Ohio. Carrier for bottle coolers. 1,694,929; Dec. 11.
- Schilling, Otto. (See Heess, A., and Schilling.)
- Schilling, Willard G. (See Schilling, John M. and W. G.)

- Schillinger, Christian, Scranton, Pa. Boiler furnace. 1,678,827; July 31.
- Schilovsky, Peter, London, England. Gyroscopic navigational apparatus. 1,655,247; Jan. 3.
- Schilpp, Charles P., Cleveland Heights, assignor to W. A. Foss, Cleveland, Ohio. Spinner. 1,666,072; Apr. 17.
- Schilz, George P., Brooklyn, N. Y. Tennis-racket string. 1,669,212; May 8.
- Schimek, Joseph E., Worcester, assignor, by mesne assignments, to Whitin Machine Works, Whitinsville, Mass. Method of and apparatus for transferring carded material. 1,684,890; Sept. 18.
- Schimmel, Lloyd G., Los Angeles, Calif., assignor to Perfection Faucet Mfg. Corp. Faucet and making same. 1,694,234; Dec. 4.
- Schimpff, Eugene, Scranton, Pa. Headlight reflector. 1,691,307; Nov. 13.
- Schimpff, Louis W. H., Ridgefield, N. J., assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Bone set. 1,660,015; Feb. 21.
- Schindler, Carl. (See Ring, J. J., and Schindler.)
- Schindler, Ferdinand, et al. (See Krefft, Ewald, assignor.)
- Schindler, Linus P., Hamburg, Germany. Safety device for printing machines. 1,666,584; Apr. 17.
- Schinke, Edward C., assignor to The Accountograph Company, St. Louis, Mo. Calculating machine. 1,691,555; Nov. 13.
- Schippel, Henry F. (See Graham, T. G., and Schippel.)
- Schippel, Henry F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. Des. 75,590; June 19.
- Schirmacher, Karl, and F. Stolz, Höchst-on-the-Main, and Hans Schlichenmaier and W. Krohs, Soden-on-the-Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Producing a new catalyst. 1,695,666; Dec. 18.
- Schirmer, Charles W., Yonkers, and H. P. and D. D. Wood, Poughkeepsie, N. Y. Liquid-level indicator. 1,668,925; May 8.
- Schisler, Frank J., Winthrop, Minn. Pen. 1,654,757; Jan. 3.
- Schjolin, Eric O., Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich. Air pump for brake systems. 1,664,706; Apr. 3.
- Schjolin, Eric O., Chicago, Ill., assignor to General Motors Corporation, Detroit, Mich. Air-pressure regulator. 1,668,517; May 1.
- Schjolin, Eric O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Engine mounting. 1,679,990; Aug. 7.
- Schlabach, Allan, assignor of one-half to E. Schlabach, Hubbard, Oreg. Light for motor vehicles. 1,672,344; June 5.
- Schlabach, Emma. (See Schlabach, Allan, assignor.)
- Schlicht, Herman, New York, N. Y. Watch holder. Des. 76,424; Sept. 25.
- Schlachter, Henry, assignor to Dempster Mill Manufacturing Company, Beatrice, Neb. Double-stroke working head. 1,676,163; July 3.
- Schacks, William J., Chicago, Ill. Locomotive piston ring. 1,668,822; May 8.
- Schacks, William J., assignor, by mesne assignments, to Locomotive Lubricator Company, Chicago, Ill. Lubricating system for locomotives. 1,671,320; May 29.
- Schlaegel, Daniel H., Wadena, Minn. Door-operating device. 1,676,164; July 3.
- Schlaefly, Julius H. (See Frahm, C. A., and Schlaefly.)
- Schlaefly, Julius H., assignor, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Trussed beam. 1,675,825; July 3.
- Schlage Lock Company. (See Huffman, Louis, assignor.)
- Schlage Lock Co. (See Schlage, Walter R., assignor.)
- Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Door lock. 1,674,841; June 26.
- Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 1,691,528; Nov. 13.
- Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Key lock. 1,691,529; Nov. 13.
- Schlagenhauf, Johann, Oerlikon, Switzerland. Automatic brake for trailers. 1,692,141; Nov. 20.
- Schlagenhauser, Josef, Munich, Germany, assignor, by mesne assignments, to General Electric Company. Electric switch. 1,681,558; Aug. 21.
- Schlauch, Herman. (See Townsend, G. H., and Schlaich.)
- Schlauch, Herman, Long Island City, N. Y. Indicating instrument. 1,683,103; Sept. 4.
- Schlauch, Herman, Long Island City, N. Y. Instrument. 1,691,135; Nov. 13.
- Schlauch, Herman, Long Island City, N. Y. Indoor-outdoor thermometer. 1,691,136; Nov. 13.
- Schlauch, Herman, Brooklyn, N. Y. Temperature-indicating device. 1,691,133; Nov. 13.
- Schlauch, Herman, Brooklyn, N. Y. Small-bore tubing and method and apparatus for the making of same. 1,691,134; Nov. 13.
- Schlauch, Herman, assignor to Motormeter Company, Inc., Long Island City, N. Y. Radiator cap. Des. 76,160; Aug. 21.
- Schlaupitz, Oswald, assignor to The Timken Roller Bearing Company, Canton, Ohio. Punch press. 1,665,820; Apr. 10.
- Schlayer, Felix, Madrid, Spain. Thrashing machine. 1,688,662; Oct. 23.
- Schlecht, Leo. (See Müller, C., Schlecht, and Schubardt.)
- Schlegel, Earl. (See Stout, J. N., and Schlegel.)
- Schlegel, Robert A., assignor to Williamsport Mirror & Glass Company, Williamsport, Pa. Store window. 1,679,632; Aug. 7.
- Schlegel, Ronald M., assignor to Frank J. Kimball Company, Los Angeles, Calif. Swivel-type lubricating device. 1,688,941; Oct. 23.
- Schlegelmitch, William M., assignor to Keller Printing Company, New York, N. Y. Clothing ticket. 1,682,540; Aug. 28.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 75,292; May 22.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 75,808; July 17.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 76,325; Sept. 11.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 76,326; Sept. 11.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 76,639; Oct. 16.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 77,034; Nov. 27.
- Schleicher, Frank J., St. Louis, Mo. Box. Des. 77,260; Dec. 18.
- Schleicher, Frank J., St. Louis, Mo. Box. 1,678,958; July 31.
- Schleicher, Frank J., St. Louis, Mo. Box cover. 1,694,892; Dec. 11.
- Schleicher, Inc. (See Schleicher, P. E., and Calcott, assignors.)
- Schleicher, Paul E., and W. C. Calcott, assignors to Schleicher, Inc., Gary, Ind. Radiator cabinet or similar article. Des. 76,553; Oct. 9.
- Schleicher, Paul E., and W. C. Calcott, assignors to Schleicher, Inc., Gary, Ind. Radiator cabinet or similar article. Des. 76,554; Oct. 9.
- Schleier, Charles W., Cleveland, Ohio. Laundry cabinet. 1,680,176; Aug. 7.
- Schleifer, Carlo, Novara, Italy. Device for delivering the tufts of textile fibers from combing machines having intermittently rotating nipper drums. 1,694,432; Dec. 11.
- Schleisinger, Henry F., New York, N. Y. Tool for restoring screw threads. 1,664,793; Apr. 3.
- Schlemmer, George, New York, N. Y. Reversible umbrella tip guard. 1,672,626; June 5.
- Schlender, Fritz, Berlin-Hohenschonhausen, assignor to Clusor G. m. b. H., Berlin, Germany. Device for binding paper sheets. 1,657,591; Jan. 31.
- Schleper, Johannes F., Amsterdam, Netherlands. Testing lamp for heavy-current installations. 1,694,605; Dec. 11.
- Schlepp, Morris, New York, N. Y. Globe-holding electric fixture. Des. 76,555; Oct. 9.
- Schlepp, Morris, New York, N. Y. Globe-holding ceiling fixture. Des. 76,556; Oct. 9.
- Schlesco-Shure Manufacturing Company. (See Schlesinger, Harry, assignor.)
- Schlesinger, August B., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Exhaust-gas-control valve. 1,672,096; June 5.
- Schlesinger, August B., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Air-compressor unit. 1,685,616; Sept. 25.
- Schlesinger, Harry, Passaic, N. J. Game board. 1,688,942; Oct. 23.
- Schlesinger, Harry, assignor to Schlesco-Shure Manufacturing Company, Des Moines, Iowa. Safety device for dry-cleaning establishments or the like. 1,654,836; Jan. 3.
- Schlesinger, Ike, East Orange, N. J. Knitted cap. 1,686,258; Oct. 2.
- Schlesinger, Louis, and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Valve. 1,690,251; Nov. 6.
- Schletter & Zander, Inc. (See Zander, Walter E., assignor.)
- Schley, Rudolph E., Beaver Dam, Wis. Mechanical movement. 1,676,506; July 10.
- Schleyer, Victor, assignor, by mesne assignments, to Dean Hill Pump Company, Anderson, Ind. Controller governor. 1,685,868; Oct. 2.
- Schlichenmaier, Hans. (See Schirmacher, K., Stolz, Schlichenmaier, and Krohs.)
- Schlicher, Arthur G., Allentown, Pa. Auto truck cover. 1,656,077; Jan. 10.
- Schliemann, Martin. (See Doerinkel, F., and Schliemann.)
- Schlitt, Joseph L., and W. Dennis, Elizabeth, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Refrigeration. 1,678,485; July 24.
- Schlitzer, Walter C., Rochester, N. Y. Lens blank and making same. 1,671,548; May 29.
- Schlodtmann, Frederick H., Brooklyn, N. Y. Elevating footstool. 1,674,180; June 19.
- Schjoemann Aktiengesellschaft. (See Lorant, Hugo, assignor.)
- Schjoemann Aktiengesellschaft. (See Löwy, Ludwig, assignor.)
- Schjoemann Aktiengesellschaft. (See Möller, Fritz, assignor.)
- Schloesing, Théophile, Paris, France. Removing nicotine from tobacco to any desired extent without destroying its aroma. 1,671,259; May 29.

- Schloetzer, Henry, North Bergen, N. J. Embroidery frame. 1,660,276; Feb. 21.
- Schlorf, Raymond C., Chicago, Ill. Spring jack. 1,660,819; Feb. 28.
- Schlossareck, Hugo G. A., Yonkers, N. Y. Flytrap. 1,666,509; Apr. 17.
- Schlusser Brothers, Incorporated. (See Cheshier, Reuel C., assignor.)
- Schlusser, Elizabeth M., Minneapolis, Minn. Sanitary belt. 1,676,288; July 10.
- Schlosshauser, Alfred, Berlin, Germany. Central lubricating apparatus for stiff lubricants. 1,677,661; July 17.
- Schlossnagel, Carl E., assignor to Westinghouse Union Battery Company, Swissvale, Pa. Storage battery. 1,654,705; Jan. 3.
- Schlothman, James, Ketchikan, Alaska. Box-piling truck. 1,660,016; Feb. 21.
- Schlusing, Christian W., New York, N. Y. Century calendar. 1,670,316; May 22.
- Schlussemburg, George, Chicago, Ill., assignor to F. E. Hale, London, England. Valve for regulating gas flames. 1,692,421; Nov. 20.
- Schmalz, Albano, Chicago, Ill. Machinist's work clamp. 1,676,289; July 10.
- Schmalz, William F., Rockville, and R. E. Dodd, assignors, by mesne assignments, to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Mold for musical-instrument mouthpieces. 1,692,352; Nov. 20.
- Schmeck, Herbert P., assignor to Philadelphia Toboggan Company, Philadelphia, Pa. Gravity-operated coaster. 1,669,347; May 8.
- Schmeer, Jakob, Washington, D. C. Shoe. 1,693,911; Dec. 4.
- Schmeller, John, sr., Lakewood, Ohio. Apparatus for reworking finely divided metal particles. 1,659,445; Feb. 14.
- Schmelzer, Albert. (See Ballauf, F., Muth, and Schmelzer.)
- Schmelzkopf, Edward C., assignor to Gisholt Machine Company, Madison, Wis. Ways for lathes and like machines. 1,673,163; June 12.
- Schmerber, Lee B., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Swivel head for coil-pulling machines. 1,685,959; Oct. 2.
- Schmick, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, Germany. Determining the contents of a gas. 1,691,138; Nov. 13.
- Schmick, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Determining gaseous carbonic acid. 1,695,031; Dec. 11.
- Schmid, Anton, and A. Stoll, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Continuous-current dynamo-electric machine. 1,696,102; Dec. 18.
- Schmid, Ernest E. (See Banks, W. C. and Schmid.)
- Schmid, John J., Louisville, Ky. Amusement device. 1,693,798; Dec. 4.
- Schmid, Max. (See Straub, F., de Montmollin, and Schmid.)
- Schmid, Max, Riehen, near Basel, assignor to the firm: Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuff the 1-(2'-chloro)-phenyl-3-methyl-5-pyrazolone-azo-benzene. 1,660,097; Feb. 21.
- Schmid, Max R. J., Buenos Aires, Argentina. Producing refined sugar. 1,668,470; May 1.
- Schmid, Otto, Reutlingen, Germany. Manufacturing barbed wire. 1,654,837; Jan. 3.
- Schmid, Otto, Reutlingen, Württemberg, Germany. Apparatus for manufacturing barbed wire. 1,663,615; Mar. 27.
- Schmid, Paul. (See Rüsberg, F., and Schmid.)
- Schmid, Richard, and W. Wezel, Stuttgart, Germany, assignors to Biax Flexible Shaft Co., Incorporated. Portable polishing tool. 1,666,181; Apr. 17.
- Schmid, Werner, White Plains, N. Y. Embroidered textile fabric. Des. 76,161; Aug. 21.
- Schmid, Werner, White Plains, assignor to A., E. J., L., and S. Dreifuss, copartners doing business as National Lace and Embroidery Company, New York, N. Y. Embroidered textile fabric. Des. 76,162; Aug. 21.
- Schmid, Werner, White Plains, assignor to A., E. J., L., and S. Dreifuss, copartners doing business as National Lace and Embroidery Company, New York, N. Y. Embroidered textile fabric. Des. 76,425; Sept. 25.
- Schmid, William, assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,657,040; Jan. 24.
- Schmid, William, assignor to Caskey-Dupree Manufacturing Company, Coldwater, Mich. Combined lighting and ignition system for automotive vehicles. 1,691,860; Nov. 13.
- Schmidgall, Carl H., Peoria, Ill. Boring tool. 1,669,423; May 15.
- Schmidinger, Kurt, Neukolln, Germany. Making lacquers. 1,663,733; Mar. 27.
- Schmidlin, Robert. (See Siebert, O., Thiess, Schöner, Schmidlin, Benade, and Deicke.)
- Schmidlin, Robert. (See Thiess, K., and Deicke, and Schmidlin.)
- Schmidt, Alexander, Dorog, Hungary. Cutting tool for tunneling or mining machines. 1,658,397; Feb. 7.
- Schmidt, Benjamin F., Los Angeles, Calif. Dash-mounted gear-shift mechanism. 1,673,952; June 19.
- Schmidt, Benjamin F., Los Angeles, Calif. Gear-shift mechanism. 1,688,750; Oct. 23.
- Schmidt, Benjamin F., assignor of one-fourth to K. C. Gillette and one-fourth to K. G. Gillette, Los Angeles, Calif. Motor construction having cooling-oil circulation. 1,655,824; Jan. 10.
- Schmidt, Benjamin F., assignor of one-fourth to K. C. Gillette and one-fourth to K. G. Gillette, Los Angeles, Calif. Electrically-operated oil-well pump. 1,655,825; Jan. 10.
- Schmidt, Benjamin F., assignor to Gillette Schmidt Corporation, Los Angeles, Calif. Hand-operated gear-shift mechanism. 1,690,180; Nov. 6.
- Schmidt, Charles. (See Berry, W. G., Klein, and Schmidt.)
- Schmidt, Charles, Cleveland, Ohio. Vehicle bumper. 1,655,976; Jan. 10.
- Schmidt, Edwin X. (See Hutton, U. O., and Schmidt.)
- Schmidt, Edwin X., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus for determining and also indicating the total heating value of flowing combustible fluid. 1,678,918; July 31.
- Schmidt, Ernst, Danzig-Langfuhr, Free City of Danzig, assignor of one-half to E. Dyckerhoff, Blumenau, near Wunstorf, Hanover, Germany. Moisture-absorption device. 1,675,228; June 26.
- Schmidt, Ferdinand, Des Moines, Iowa, assignor to Fred C. Reimer Co. Inc., New York, N. Y. Goblet or the like. Des. 75,526; June 12.
- Schmidt, Francis J., Jr., and C. J. Nash, Wauwatosa, Wis. Windshield visor. 1,655,513; Jan. 10.
- Schmidt, Frank W., Jackson, assignor to General Motors Corporation, Detroit, Mich. Wheel. 1,655,165; Jan. 3.
- Schmidt, Friedrich, Würzburg, Germany. Manufacture of artificial sausage and other skins. 1,659,375; Feb. 14.
- Schmidt, George C., and F. G. D. Muller, assignors to The Staytite Company, Houston, Tex. Combination tank vent, flame arrester, and snuffer. 1,672,042; June 5.
- Schmidt, George M., Cedar Rapids, Iowa. Awning protector. 1,681,016; Aug. 14.
- Schmidt, Gustav, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Refrigerator display case. 1,664,489; Apr. 3.
- Schmidt, Gustav F. (See Herman, R. L., and Schmidt.)
- Schmidt, Gustave F., Chicago, Ill. Generator. 1,686,348; Oct. 2.
- Schmidt, Gustave H., Alhambra, Calif. Rubber heel for shoes. 1,668,980; May 8.
- Schmidt, Gustave H., Alhambra, Calif. Pencil-sharpening device. 1,672,429; June 5.
- Schmidt, Hans, Charleston, Wash. Embroidery frame. 1,659,925; Feb. 21.
- Schmidt, Helmuth. (See Skaupy F., Hoffman, and Schmidt.)
- Schmidt, Henry, Santa Monica, Calif. Tile marking and cutting gauge. 1,680,805; Aug. 14.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Centrifugal pump. 1,659,410; Feb. 14.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Minimizing fluid pulsations. 1,663,998; Mar. 27.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Viscosity-compensating device. 1,673,953; June 19.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Viscosity compensator for fluid-pressure governors. 1,673,954; June 19.
- Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power plant. 1,687,109; Oct. 9.
- Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Stoker-blower control mechanism. 1,666,510; Apr. 17.
- Schmidt, Henry F., Swarthmore, Pa., assignor to The Westinghouse Electric & Manufacturing Company. Dishwashing machine. 1,669,538; May 15.
- Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Portable washing machine. 1,673,594; June 12.
- Schmidt, Henry F., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dredger pump. 1,693,352; Nov. 27.
- Schmidt, Herman, Dieterich, Ill. Tire-chain tool. 1,659,411; Feb. 14.
- Schmidt, Hermann, assignor to Rheinische Metallwaren- und Maschinenfabrik Sümmerda Aktiengesellschaft, Sümmerda, Germany. Calculating machine. 1,668,531; May 1.
- Schmidt, Hermann, Wiesdorf-on-the-Rhine, and E. Hubert, Elberfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Spinning artificial silk. 1,689,895; Oct. 30.
- Schmidt, Johan C., Copenhagen, Denmark. Apparatus for removing deposits and the like from surfaces. 1,671,684; May 29.
- Schmidt, John, assignor to Sprague-Sells Corporation, Hoopston, Ill. Vegetable-pulping machine. 1,683,705; Sept. 11.
- Schmidt, John C., Chicago, and W. Eichholz, Cicero, Ill. Doorcheck. 1,690,952; Nov. 6.

- Schmidt, John E., Chicago, Ill. Equalizing mechanism for automobile brakes. 1,682,425; Aug. 28.
- Schmidt, John E., Chicago, and C. E. McArthur, Evans-ton, assignors to Kling Bros. Engineering Works, Chicago, Ill. Pulley. 1,659,578; Feb. 21.
- Schmidt, John H., Chicago, Ill., assignor to Bakelite Corporation, New York, N. Y. Phthalic anhydride-glycerol resins and preparing same. 1,663,183; Mar. 20.
- Schmidt, Karl, Hamburg, Germany. Signaling apparatus for waiters. 1,674,228; June 19.
- Schmidt, Karl, Berlin-Sudende, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Regulating system for maintaining electric converters at a constant speed. 1,680,806; Aug. 14.
- Schmidt, Karl, Neuruppin, Germany. Portable liquid fire extinguisher. 1,693,671; Dec. 4.
- Schmidt, Kurt. (See Schoeller, W., and Schmidt.)
- Schmidt, Leonidas C., Houston, Tex. Safety attachment for locks. 1,655,975; Jan. 10.
- Schmidt Lithograph Company. (See Miller, Robert P., assignor.)
- Schmidt, Louis A., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Associating mechanism. 1,663,567; Mar. 27.
- Schmidt, Louis A., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate clamp. 1,691,556; Nov. 13.
- Schmidt, Martin A., Lyndhurst, N. J., and C. E. Munderlich, Brooklyn, N. Y. Erasing device. 1,690,134; Nov. 6.
- Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Valve mechanism. 1,661,310; Mar. 6.
- Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Supporting means for overhead tracks. 1,662,539; Mar. 13.
- Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Stuffing machine. 1,666,631; Apr. 17.
- Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Carcass dehairing and cleaning machine. 1,668,287; May 1.
- Schmidt, Otto. (See Bauersfeld, W., and Schmidt.)
- Schmidt, Otto, K. Seydel, and A. Feller, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Purifying organic compounds containing oxygen. 1,684,640; Sept. 18.
- Schmidt, Otto T. K., Altenfeld, Germany. Vacuum-jacketed vessel. 1,690,880; Nov. 6.
- Schmidt, Peder P., Minneapolis, Minn. Concrete building with air space. 1,671,745; May 29.
- Schmidt, Theodor, Berlin, Germany. Playing device for guitars and similar instruments. 1,687,849; Oct. 16.
- Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for rectification of high-tension alternating current. 1,675,057; June 26.
- Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Calif. Cement manufacture. 1,688,882; Oct. 23.
- Schmidt, Wilhelm, deceased; S. Hoffmann, executor, assignor to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshöhe, Germany. Power plant. 1,659,963; Feb. 21.
- Schmidt, Wilhelm, assignor to Burger Eisenwerke Gesellschaft mit beschränkter Haftung, Bürgerhütte, Germany. Furnace for domestic heating plants for solid fuel. 1,671,549; May 29.
- Schmidt, William F., assignor to All Metal Products Co., Wyandotte, Mich. Toy gun. 1,660,581; Feb. 28.
- Schmidt, William F., assignor to All Metal Products Company, Wyandotte, Mich. Toy pistol. 1,660,582; Feb. 28.
- Schmidt, William F., assignor to All Metal Products Company, Wyandotte, Mich. Toy machine gun. 1,691,170; Nov. 13.
- Schmidt, William F., assignor to All Metal Products Company, Wyandotte, Mich. Toy machine gun. 1,693,406; Nov. 27.
- Schmidt, William H. (See Mueller, T. C., Buchholz, Dallmann, Moerschel, Dallmann, Kujawski, and Schmidt.)
- Schmidt, William R., Beemer, Nebr. Firewood-splitting machine. 1,666,795; Apr. 17.
- Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Apparatus for making baskets and the like. 1,682,769; Sept. 4.
- Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Basket-making machine. 1,682,770; Sept. 4.
- Schmidtke, Frieda, Berlin, Germany. Lamp. 1,686,503; Oct. 2.
- Schmidt'sche Heissdampf G. m. b. H. (See Hartmann, Otto H., assignor.)
- Schmidt'sche Heissdampf G. m. b. H. (See Schmidt, Wilhelm, assignor.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, Otto H., assignor.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, O. H., and Bleitner, assignors.)
- Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, O. H., and Peperkorn, assignors.)
- Schmitt, Otto G., Chicago, Ill. Automatic glove-sewing machine. 1,669,785; May 15.
- Schmied, James W., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave communication. 1,696,258; Dec. 25.
- Schmiedeknecht, Victor E., et al. (See Kahler, Joseph, assignor.)
- Schmiedeknecht, Victor E., Louisville, Ky., assignor of one-half to Gohmann Brothers and Kahler Company, New Albany, Ind. Molding device. 1,662,340; Mar. 13.
- Schmiedeskamp, August J. (See Mills, G. B., Schmiedeskamp, and Skinner.)
- Schmierer, Johannes M., Gross-Lichterfelde, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Electrical operating apparatus. 1,666,182; Apr. 17.
- Schmitt Trunk Company, The. (See Suelflow, Emil O., assignor.)
- Schmitt, Arthur J. (See Norgren, Oscar B., assignor.)
- Schmitt, Bernard A., Brooklyn, N. Y. Hair clipper. 1,654,758; Jan. 3.
- Schmitt, Frank R., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Automatic wrapper control for packaging machines. 1,664,048; Mar. 27.
- Schmitt, Georg, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Tilttable furnace. 1,695,863; Dec. 18.
- Schmitt, George F., assignor to Metal Products and Engineering Corporation, West Orange, N. J. Building construction. 1,672,914; June 12.
- Schmitt, George P. (See Cornwall, L. H., and Schmitt.)
- Schmitt, Henry, Detroit, Mich. Motor boat. 1,677,495; July 17.
- Schmitt, Hugo R., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave transmission. 1,665,328; Apr. 10.
- Schmitt, John A., Columbus, Ohio, assignor to The Universal Milking Machine Company, Waukesha, Wis. Pulsator. 1,681,138; Aug. 14.
- Schmitt, Joseph, Brunstatt, France. Carding machine. 1,676,577; July 10.
- Schmitt, Otto G., Chicago, Ill. Apparatus for making pads. 1,692,356; Nov. 20.
- Schmitt, Otto G., Chicago, Ill. Machine for making flexible pads. 1,692,387; Nov. 20.
- Schmitt, Robert A., San Diego, Calif. Nipple chuck and pipe bender. 1,665,643; Apr. 10.
- Schmitt, Robert A., assignor of one-half to H. Lippitt, San Diego, Calif. Safety grounding connection. 1,668,253; May 1.
- Schmitt, Rudolph L., Dallas, Tex. Artificial-tooth mounting. 1,674,922; June 26.
- Schmitz, Fred A., Cleveland, Ohio. Weighing scale. 1,686,770; Oct. 9.
- Schmitz, Fred A., assignor to The Berger Manufacturing Company, Canton, Ohio. Metallic shelving. 1,676,930; July 10.
- Schmitz, Joseph A., Chicago, Ill. Grain door for box cars. 1,679,880; Aug. 7.
- Schmitz, Peter, Lynbrook, N. Y. Tidewater machine. 1,674,067; June 19.
- Schmock, Erich, Kiel, assignor to Deutsche Werke Kiel Aktiengesellschaft, Werftstrasse, Kiel Gaarden, Germany. Short-circuiting and brush-lifting device for dynamo-electric machines. 1,661,014; Feb. 28.
- Schmohl, Alfred C., Beaver Falls, assignor to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Adjustable sill step for railway dump cars. 1,677,373; July 17.
- Schmohl, Alfred C., Beaver Falls, and J. P. Anderson, Koppel, assignors to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Dump-car-body tilting bearing. 1,672,041; June 5.
- Schmohl, Alfred C., Beaver Falls, and W. L. Burner, Koppel, assignors to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Dump car. 1,679,547; Aug. 7.
- Schmohl, Alfred C., Beaver Falls, and J. P. Anderson, Koppel, assignors to Koppel Industrial Car and Equipment Company, Pittsburgh, Pa. Dump-car-body-tilting bearing. 1,689,365; Oct. 30.
- Schmolze, Mildred C., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 74,275; Jan. 17.
- Schmolze, Mildred C., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 74,276; Jan. 17.
- Schmolze, Mildred C., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 76,824; Nov. 6.
- Schmolze, Mildred C., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 77,035; Nov. 27.
- Schmolze, Mildred C., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 77,036; Nov. 27.
- Schmolze, Mildred C., assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 77,037; Nov. 27.
- Schmunk, Charles E., Crafton, Pa. Divided mold. 1,674,996; June 26.
- Schmunk, Charles E., Crafton, Pa. Glass-mold mechanism. 1,674,997; June 26.
- Schmunk, Charles E., Crafton, Pa. Lamp. 1,676,670; July 10.
- Schmutzler, Katherine, Glenside, Pa. Lady's combination undergarment. 1,661,350; Mar. 6.
- Schmutzler, Katherine, Glenside, Pa. Apron. 1,669,348; May 8.

- Schnabel, James F., assignor to The Clark Controller Company, Cleveland, Ohio. Electric-controller construction. 1,682,541; Aug. 28.
- Schnabel, Rudolf, assignor to Minimax Act.-Ges., Berlin, Germany. Generating foam from foam-developing substances. 1,669,213; May 8.
- Schneble, Joseph C., Oakwood, Ohio. Tape-moistening device. 1,687,594; Oct. 16.
- Schnee, Henry E., Chicago, Ill., assignor to American Telephone and Telegraph Company. Reeling device. 1,675,429; July 3.
- Schnee, William G., Kansas City, Mo. Vaporizing heat unit for internal-combustion engines. 1,692,906; Nov. 27.
- Schneible, Claude D., et al., trustees. (See Schneible, Joseph, assignor.)
- Schneible, Frank W., assignor to Rome Manufacturing Company, Rome, N. Y. Machine for making lock-joint rubing. 1,681,880; Aug. 21.
- Schneible, Joseph, deceased, Chicago, Ill.; B. S. Ingram, administratrix, assignor to C. D. Schneible, K. F. Schreier, and B. B. Schneider, trustees under the name of The Schneible Trust. Distillation apparatus. 1,670,743; May 22.
- Schneible Trust, The. (See Schneible, Joseph, assignor.)
- Schneider, Adolf. (See Hangleiter, C. and Schneider.)
- Schneider, Adolf, Kelheim, assignor to Niederbayerische Cellulosewerke, Kelheim-on-the-Danube, Germany. Circulation of liquids in preheaters and steam generators. 1,678,536; July 24.
- Schneider, Alfons. (See Klee, J., and Schneider.)
- Schneider, Arthur B. (See Schneider, Gustav E. and A. B.)
- Schneider, Benjamin B., et al., trustees. (See Schneible, Joseph, assignor.)
- Schneider, Bernard R., Jersey City, N. J. Adjustable clamping strap for milling and like machines. 1,662,173; Mar. 13.
- Schneider & Cie. (See Methlin, Nicolas E., assignor.)
- Schneider, Clara. (See Gross, Fred G., assignor.)
- Schneider, Daniel, Lodi, Calif. Automatic railroad-crossing gate and signal. 1,686,771; Oct. 9.
- Schneider, Edward J., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Method of and apparatus for melting glass. 1,669,676; May 15.
- Schneider, Elmer. (See Grisdale, G. W., and Schneider.)
- Schneider, Ernst, Vienna, Austria. Blade wheel. 1,681,500; Aug. 21.
- Schneider, Franklin, and E. L. Connell, assignors to The Van Dorn Electric Tool Company, Cleveland, Ohio. Chuck. 1,679,175; July 31.
- Schneider, Frederick D., Hillside, and H. J. Long, New Brunswick, N. J. Boiler construction. 1,665,608; Apr. 10.
- Schneider, Frederick W., Baltimore, Md., assignor to Pittsburgh Plate Glass Company. Paint gun. 1,660,359; Feb. 28.
- Schneider, George R., Miami, Fla. Metallic awning. 1,662,721; Mar. 13.
- Schneider, Gustav E. and A. B., Chicago, Ill., assignors to Roto Tray Company. Smoker's tray. Des. 76,261; Sept. 4.
- Schneider, Hans. (See Neelmeier, W., and Schneider.)
- Schneider, Hans, Paris, France. Steering arrangement for heavy motor vehicles. 1,657,412; Jan. 24.
- Schneider, Henry, Alden, Minn. Hay sling. 1,663,063; Mar. 20.
- Schneider, Henry J., Louisville, Ky. Extension table. 1,671,655; May 29.
- Schneider, Herman. (See Sperti, G., Norris, Withrow, and Schneider.)
- Schneider, Hermann. (See Straub, F., and Schneider.)
- Schneider, Hermann. (See Straub, F., Schneider, and Spieler.)
- Schneider, Homer L., Cleveland, Ohio. Gas-generating appliance. 1,687,148; Oct. 9.
- Schneider, John J., Frankfurt-on-the-Main, Germany. Oil-retaining and dust-excluding ring. 1,672,345; June 5.
- Schneider, John J., assignor to the firm: Dr. Ing. & C. A. Schneider, Frankfurt-on-the-Main, Germany. Roller lubricating device for axles and the like. 1,657,281; Jan. 24.
- Schneider, John M., Detroit, Mich. Puzzle. 1,663,568; Mar. 27.
- Schneider, Joseph N. (See Budwig, M., and Schneider.)
- Schneider, Karl, assignor to the firm of: Thyssen & Co. Aktiengesellschaft, Mulheim-Ruhr, Germany. Valve. 1,669,424; May 15.
- Schneider, Laurence A., assignor to Canton Forge & Axle Company, Canton, Ohio. Manufacturing sheet-metal rail anchors. 1,686,537; Oct. 9.
- Schneider, Peter J., Eau Claire, Wis. Bricklayer's tool. 1,680,643; Aug. 14.
- Schneider, Philipp, St. Louis, Mo. Punch. 1,679,176; July 31.
- Schneider, Ray J., Eagle Rock, Calif. Emblem button or similar article. Des. 75,591; June 19.
- Schneider, Reuben W., Alliance, Ohio. Wringer attachment. 1,669,783; May 15.
- Schneider, Samuel A., Washington, D. C. Garment hanger. 1,693,871; Dec. 4.
- Schneider, Stephan, Meissen, Saxony, Germany, assignor to Westinghouse Electric & Manufacturing Company. Electric steam boiler. 1,677,299; July 17.
- Schneider, Walter F., Oakland, Calif. Torchère. Des. 75,657; June 26.
- Schneider, William H., assignor to A. C. Kootz, Milwaukee, Wis. Christmas-tree ornament and the like and manufacture thereof. 1,678,358; July 24.
- Schneider, William H., assignor to A. C. Kootz, Milwaukee, Wis. Tinsel and the like and method for the manufacture thereof. 1,680,303; Aug. 14.
- Schneider, Xaver, Yonkers, N. Y. Tire-rim tool. 1,694,893; Dec. 11.
- Schnell, Ernest O., Chicago, Ill. Hair-treating composition. 1,668,608; May 8.
- Schnell, Ernest O., St. Louis, Mo. Finishing lime and making the same. 1,670,425; May 22.
- Schnell, Ernest O., Chicago, Ill. Steam envelope for hair waving. 1,674,068; June 19.
- Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Radiator cap. Des. 74,192; Jan. 3.
- Schnelle, Omar H. (See Gusler, George T., and Schnelle.)
- Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Radiator cap. Des. 76,711; Oct. 23.
- Schnell, William, assignor to Ternstedt Manufacturing Co., Detroit, Mich. Dome light for an automobile. Des. 76,959; Nov. 20.
- Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J. Plate. Des. 75,075; May 1.
- Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J. Plate. Des. 76,426; Sept. 25.
- Schnepf, Johann, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Resistor support. 1,686,037; Oct. 2.
- Schnepf, Louis W., San Bernardino, Calif. Thermostat. 1,665,719; Apr. 10.
- Schnitger, Emil R., assignor of one-half to C. A. Kading, Watertown, Wis. Strainer holder. 1,688,751; Oct. 23.
- Schnitzer, Benjamin, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Hollow girder. 1,656,871; Jan. 17.
- Schnitzspahn, Karl. (See Keller, F., and Schnitzspahn.)
- Schnoebelen, Clement A., Cedar Rapids, Iowa. Lighting-rod air terminal bracket. 1,666,670; Apr. 17.
- Schnoor, Raymond D., Chicago, Ill. Mechanical movement. 1,695,064; Dec. 11.
- Schnorf, Carl, Zurich, and F. Hefti, Altstetten, near Zurich, Switzerland. Production of carbohydrate-acridine compounds and solutions thereof. 1,674,923; June 26.
- Schnormeier, Paul H., Hubbard, Iowa. Lens for illuminated signs. 1,669,724; May 15.
- Schnormeier, Paul H., Hubbard, Iowa. Illuminated-sign flashing mechanism. 1,693,820; Dec. 4.
- Schnur, Joseph A., St. Louis, Mo. Refrigerator. 1,686,179; Oct. 2.
- Schnurr, George. (See Branch, B. A., and Schnurr.)
- Schnurr, Peter, Chicago, Ill. Latching means for window screens. 1,667,607; Apr. 24.
- Schnyder, Adolph P., Poag, Ill. Well-excavating apparatus. 1,662,904; Mar. 20.
- Schnyder, Johann, assignor to the firm Actiengesellschaft der Maschinenfabrik von Theodor Bell & Cie., Kriens, Luzern, Switzerland. Rotary valve for pipe lines. 1,672,430; June 5.
- Schobert, Earl C., and F. G. Morrison, Akron, Ohio. Door check. 1,661,706; Mar. 6.
- Schole, Frank, & Co. (See Millard, Herbert J., assignor.)
- Schock, Adolf, and K. Singer, Philadelphia, Pa. Smoker's pipe. 1,671,908; May 29.
- Schoeb, Albert W., Ringwood, Okla. Adjustable universal wrench for automobiles, tractors, and the like. 1,659,838; Feb. 21.
- Schoedinger, F. O. (See Armstrong, Edward R., assignor.)
- Schoefer, Charles F. (See Lang, J. T., and Schoefer.)
- Schoelkopf, Louis F., Madison, Wis. Door-operating device. 1,657,554; Jan. 31.
- Schoell, Reinhold, Kelsey City, Fla. Transmission. 1,678,486; July 24.
- Schoell, Reinhold, Kelsey City, Pa. Transmission gear. 1,696,331; Dec. 25.
- Schoeller, Harold. (See Schrader, H., and Schoeller.)
- Schoeller, Walter, and K. Schmidt, assignors to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Composition of matter and making same. 1,656,239; Jan. 17.
- Schoeller, Walter, Berlin-Westend, and H. Schotte, Berlin-Wilmersdorf, assignors to the firm Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Camphoric alkaloid and making same. 1,672,000; June 5.
- Schoeller, Walter, Berlin-Westend, and H. G. Allardt, Berlin-Reinickendorf-West, assignors to the firm Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Auro mercapto carboxylic acid and making same. 1,683,104; Sept. 4.
- Schoeller, Walter, Berlin-Westend, and H. G. Allardt, Berlin-Reinickendorf-West, assignors to the firm Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Metallo mercapto compounds and making same. 1,683,105; Sept. 4.
- Schoeller, Walter, Berlin-Westend, and H. G. Allardt, Berlin-Reinickendorf-West, assignors to the firm Schering-Kahlbaum A. G., Berlin, Germany. Metal mercapto acid esters and making same. 1,689,366; Oct. 30.

- Schoeller, Walter, Berlin-Westend, and H. Jordon, Berlin-Steglitz, assignors to the firm: Chemische Fabrik auf Actien, vorm E. Schering, Berlin, Germany. Making alkyl isoalkyl cyclohexanols. 1,696,782; Dec. 25.
- Schoeller, Walter, Berlin-Westend, and K. Schmidt, Berlin-Friedenau, assignors to the firm Chemische Fabrik auf Actien, vorm E. Schering, Berlin, Germany. Pharmaceutical preparations and making same. 1,693,055; Nov. 27.
- Schoeller, Walter, A. Feldt, M. Gehrke, and E. Borgwardt, assignors to the firm: Chemische Fabrik auf Actien, (vorm. E. Schering), Berlin, Germany. Pharmaceutical product. 1,663,390; Mar. 20.
- Schoeller, Walter, A. Feldt, M. Gehrke, and E. Borgwardt, assignors to firm: Chemische Fabrik auf Actien (vorm E. Schering), Berlin, Germany. Pharmaceutical product. 1,667,052; Apr. 24.
- Schoeller, Walter, A. Feldt, M. Gehrke, and E. Borgwardt, assignors to the firm: Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Pharmaceutical product. 1,685,341; Sept. 25.
- Schoeller, Walter, A. Feldt, M. Gehrke, and E. Borgwardt, assignors to the firm: Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Pharmaceutical product. 1,685,342; Sept. 25.
- Schoen, Otto A., assignor to The Climacene Company, Canton, Ohio. Packing machine. 1,654,706; Jan. 3.
- Schoenberger, William, et al. (See Phillips, Ross M. G., assignor.)
- Schoeneman, J., Incorporated. (See Popkin, Martin E., assignor.)
- Schoener, John G. (See Pilling, N. B. and Schoener.)
- Schoenfeld, Gustav, Great Falls, Mont. Leaf turner. 1,686,422; Oct. 2.
- Schoenfeld, Joseph, Alameda, Calif. Switch plug. 1,660,017; Feb. 21.
- Schoenfeld, Joseph, Alameda, assignor to The Magnavox Company, San Francisco, Calif. Reflector for radiant heaters. 1,659,897; Feb. 21.
- Schoenfeld, Morris, Zurich, Switzerland. Spool. 1,682,309; Aug. 28.
- Schoenfelder, Alfred, Chicago, Ill. Soap dish. 1,694,235; Dec. 4.
- Schoengarth, Walter L., Hurley, Wis. Adjustable gas-engine piston. 1,688,792; Oct. 23.
- Schoenbut, A., Company, The. (See Schoenbut, Albert F., assignor.)
- Schoenbut, Albert F., assignor to The A. Schoenbut Company, Philadelphia, Pa. Push toy. Des. 75,527; June 12.
- Schoenbut, Harry E., Philadelphia, Pa., assignor to G. E. Studdy, London, England. Toy animal figure. Des. 77,329; Dec. 25.
- Schoenleben, Hans. (See Röger, K., Schoenleben, and Walther.)
- Schoepke, Roman, Wilkes-Barre, Pa. Food container. 1,671,746; May 29.
- Schoessler, August G., Reliance, S. Dak. Barrel rack. 1,664,707; Apr. 3.
- Schoettel, Eugen. (See Liebert, H. R., and Schoettel.)
- Schoettel, Eugen, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Gas cells for airships. 1,689,184; Oct. 23.
- Schofer, Fred, Bronx, N. Y. Napkin stand. 1,696,556; Dec. 25.
- Schofield, Edgar, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Cap and package. 1,696,330; Dec. 25.
- Schofield, George L., National City, Calif. Antiglare and light-distributing means for vehicle head lamps. 1,675,731; July 3.
- Schofield, Samuel T., assignor to National Electrical Supply Company, Washington, D. C. Radio receiving apparatus. 1,688,943; Oct. 23.
- Schofield, William R., Jr., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control system. 1,683,809; Sept. 11.
- Scholer, August, Pittsburgh, Pa. Toy vehicle. 1,688,024; Oct. 16.
- Scholes, Richard T., Hinsdale, Ill. Applying tool for rail anchors. 1,691,940; Nov. 20.
- Scholl, Frank J., London, England. Foot-arch support. 1,654,608; Jan. 3.
- Scholl, Louis A., Crafton, Pa. Automobile bed. 1,661,580; Mar. 6.
- Scholl Manufacturing Company, Inc., The. (See Temy, Edmund, assignor.)
- Scholl, Walter. (See Reed, R. F., and Scholl.)
- Scholl, William J., Hutchinson, Kans. Wind-actuated figure. 1,675,141; June 26.
- Scholl, William M., Chicago, Ill. Matrix for making casts. 1,675,517; July 3.
- Scholl, William M., Chicago, Ill. Metatarsal-arch-supporting pad or cushion. 1,675,578; July 3.
- Schöllkopf, Karl, assignor to Rheinische Kampfer-Fabrik Gesellschaft mit beschränkter Haftung, Düsseldorf-Oberkassel, Germany. Purification of inactive menthol. 1,672,346; June 5.
- Schollmeyer, William A., Yonkers, N. Y. Shingle. 1,692,388; Nov. 20.
- Scholman, Maurice. (See Dineson, Hans E., assignor.)
- Scholz, Richard, Berlin, assignor to the firm: W. Marx & Co., Halle-on-the-Saale, Germany. Dough-kneading machine for the production of dough portions ready for baking. 1,678,747; July 31.
- Scholz, Samuel G., Hutchinson, Kans. Traction device. 1,665,478; Apr. 10.
- Schombourger, Lucien, and H. K. Schrage, Paris, France, assignor to General Electric Company. Speed-control system. 1,664,134; Mar. 27.
- Schon, Lester. (See Shoenberg, M. H., and Schon.)
- Schön, Ludwig, Essen, Germany, and W. Leukert, Leipa, Czechoslovakia, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Alternating-current induction motor. 1,675,960; July 3.
- Schön, Ludwig, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Alternating-current induction motor. 1,690,953; Nov. 6.
- Schonbrun, Max, New York, N. Y. Parachute. 1,678,537; July 24.
- Schoneberg, Leo, et al. (See Weaver, Samuel L., assignor.)
- Schonenberger, Aloys, Springfield Township, Summit County, assignor to himself and F. E. Shannon, Akron, Ohio. Washer sorting and stringing machine. Re-17,104; Oct. 16.
- Schöner, Bernhard. (See Siebert, O., Thiess, Schöner, Schmidlin, Benade, and Deicke.)
- Schonfeld, Leslie, London, England. Tube and like bending machine. 1,662,131; Mar. 13.
- Schöner, Martin. (See Weidinger, C., and Gradl, and Schöner.)
- Schoolberg, Henry, Pittsburgh, Pa. Visible card-index record. 1,682,191; Aug. 28.
- Schoolberg, Henry, Pittsburgh, Pa. Visible loose-leaf index and record. 1,682,192; Aug. 28.
- Schoolberg, Henry, Pittsburgh, Pa. Loose-leaf-binder sheets and device for manipulating the same. 1,682,193; Aug. 28.
- Schooley, James E. (See Prince, J. E., and Schooley.)
- Schoofield, Frederick E., Covington, Ky. Gas safety valve. 1,687,351; Oct. 9.
- Schoon, Weard, Steen, Minn. Humidifier. 1,659,052; Feb. 14.
- Schoonmaker, James M., jr. (See Geistert, A. G., and Schoonmaker.)
- Schoonmaker, James M., jr., Sewickley, Pa., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Process and apparatus for cracking mineral oil. 1,673,126; July 24.
- Schoonmaker, James M., jr., Sewickley, and D. T. Gleason, Coraopolis, Pa., assignors to Standard Steel Spring Company. Manufacture of springs. 1,691,211; Nov. 13.
- Schopper, Alfred. (See Beckmann, W., and Schopper.)
- Schorger, Arlie W., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Priming mixture. 1,681,259; Aug. 21.
- Schori, Fritz, Wetzikon, assignor to the firm: Bauer A.-G., Zurich, Switzerland. Tumbler for safety locks. 1,669,677; May 15.
- Schorn, Nicholas J. (See Miller, Harry R., assignor.)
- Schornack, James, Belleville, N. J. Doorcheck. 1,696,701; Dec. 25.
- Schorr, John, St. Paul, Minn., assignor of one-third to H. J. Klauer, Davenport, Iowa. Latching device. 1,674,924; June 26.
- Schorsch, Ludwig, Goerkan, Czechoslovakia. Production of roving from cotton and similar fibrous material. 1,658,859; Feb. 14.
- Schorsch, Ludwig, Goerkan, Czechoslovakia. Manufacture of roving from cotton and similar fiber material. 1,658,860; Feb. 14.
- Schott, Charles R., New York, N. Y. Dispensing device. 1,676,358; July 10.
- Schott, Gerhard. (See Thiene, H., Prausnitz, and Schott.)
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Coffee percolator. Des. 75,749; July 10.
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Waffle iron. Des. 75,750; July 10.
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Coffee percolator. Des. 75,751; July 10.
- Schott, Howard H., assignor to Robeson-Rochester Corporation, Rochester, N. Y. Combined casserole and band. Des. 75,876; July 24.
- Schotte, Herbert. (See Schoeller, W., and Schotte.)
- Schotte, Herbert, Berlin-Wilmersdorf, assignor to the firm Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Diacyl isothiocarbamide ether and producing same. 1,667,053; Apr. 24.
- Schotte, Herbert, Berlin-Wilmersdorf, assignor to the firm Chemische Fabrik auf Actien (vormals E. Schering), Berlin, Germany. Symmetrical diarylized guanidine compounds. 1,672,431; June 5.
- Schou, Theodor, assignor to Ideal Electric & Manufacturing Company, Mansfield, Ohio. Squirrel-cage winding. 1,695,391; Dec. 18.
- Schou, Theodor, and R. L. Behrens, assignors to The Ideal Electric & Manufacturing Company, Mansfield, Ohio. Electric machine. 1,663,318; Mar. 20.
- Schouten, Dirk J. (See Nell, F. J. G., and Schouten.)
- Schrack, Eduard, Vienna, Austria. Grid electrode for electron-discharge tubes. 1,653,946; Feb. 14.
- Schrade, George, Bridgeport, Conn. Routing machine. 1,657,041; Jan. 24.
- Schrader, Hans, Essen-Bredeney, and H. Schoeller, Essen, Germany. Sulphur of a high degree of dispersion and preparing same. 1,688,357; Oct. 23.

- Schrader, Harold D., Denver, Colo. Gas burner. 1,667,133; Apr. 24.
- Schrader, Harold D., Denver, Colo. Gas burner. 1,678,086; July 24.
- Schrader, Harold D., Denver, Colo. Gas burner. 1,686,711; Oct. 9.
- Schrader, Herman J., Atkinson, Nebr. Rail breaker. 1,682,633; Aug. 28.
- Schrader, Karl. (See Ahrberg, F., Keinath, and Schrader.)
- Schrader, Lloyd F., Richmond Hill, assignor to Foundation Oven Corporation, New York, N. Y. Pusher track for coke ovens. 1,696,259; Dec. 25.
- Schrader, Thomas O., Allentown, assignor to Dent Hardware Co., Fullerton, Pa. Latching device for refrigerator doors. 1,667,494; Apr. 24.
- Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Snap closure fastener. 1,670,783; May 22.
- Schrader, Thomas O., Allentown, assignor to The Dent Hardware Co., Fullerton, Pa. Spring-controlled latch. 1,692,579; Nov. 20.
- Schrader's, A., Son, Incorporated. (See Farr, Fred D., assignor.)
- Schrader's, A., Son, Incorporated. (See Henemier, Robert H., assignor.)
- Schrader's, A., Son, Incorporated. (See Myers, Eugene V., assignor.)
- Schrader's, A., Son, Incorporated. (See Schweinert, Maximilian C., assignor.)
- Schrader's, A., Son, Inc. (See Vahle, Ernest, assignor.)
- Schrader's, A., Son, Inc. (See Volckhausen, Julius, assignor.)
- Schrader's, A., Son, Inc. (See Wahl, J., and Melzer, assignors.)
- Schraeder, Frank J., jr. (See Skala, Ljubomir W., assignor.)
- Schraegle, August F. (See Geiger, E. A., Schraegle, and Jennings.)
- Schrafft, Wm. F., & Sons Corp. (See Hunzelman, John B., assignor.)
- Schrag, Martin J., Rochester, N. Y. Orthopedic apparatus. 1,660,721; Feb. 28.
- Schrage, Hidde K. (See Schombourger, L., and Schrage.)
- Schrage, Hidde K., Paris, France, assignor to General Electric Company. Speed control of induction motors. 1,694,984; Dec. 11.
- Schrage, Hidde K., Paris, France, assignor to General Electric Company. Speed control of induction motors. 1,694,985; Dec. 11.
- Schram, Lester J., Chicago, Ill. Collapsible radiator cover. 1,678,791; July 31.
- Schramm, Adolph W., Riverton, N. J., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Chair-elevating mechanism. 1,656,760; Jan. 17.
- Schramm, Carl, West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Grinding machine. 1,660,890; Feb. 28.
- Schramm, Carl, West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Threading machine. 1,688,752; Oct. 23.
- Schramm, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,684,152; Sept. 11.
- Schraner, John, Tell City, Ind. Tire. 1,696,059; Dec. 18.
- Schrank, Fred J., Akron, Ohio. Gun sight. 1,683,106; Sept. 4.
- Schrank, Fred J., Akron, Ohio, assignor to The Standard Traffic Marker Company, Wichita, Kans. Traffic sign. 1,668,288; May 1.
- Schranz, Karl, Elberfeld, and C. Lutter, Barmen-Langenberg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 1-alkoxymethyl-3,7-dimethylxanthines. 1,679,053; July 31.
- Schrayssbuen, Carl, assignor to Speidel Chain Co., Providence, R. I. Chain or bracelet. 1,668,217; May 1.
- Schrayssbuen, Carl, assignor to Speidel Chain Co., Providence, R. I. Chain. 1,670,940; May 22.
- Schrayssbuen, Carl, assignor to Speidel Chain Co., Providence, R. I. Band bracelet. 1,681,687; Aug. 21.
- Schrayssbuen, Carl, and F. Renz, assignors to Speidel Chain Co., Providence, R. I. Chain band. 1,689,367; Oct. 30.
- Schreer, Karl, Erlangen, near Nuremberg, Germany, assignor to M. E. Bernhardt, New York, N. Y. Gas-igniting device. 1,660,277; Feb. 21.
- Schreiber, Charles A., Cedar Lake, Ind. Spark plug. 1,672,956; June 12.
- Schreiber, John H., St. Louis, Mo. Compressor. 1,688,990; Oct. 23.
- Schreiber, Sigmond, Pittsburgh, Pa. Direction signal. 1,695,349; Dec. 18.
- Schreibman, Harry, and L. Goldberg, Brooklyn, N. Y. Bracket arm for lighting fixtures or similar articles. Des. 75,076; May 1.
- Schreibman, Harry, and L. Goldberg, Brooklyn, N. Y. Panel plate or grille for a lighting fixture or like article. Des. 75,077; May 1.
- Schreibman, Harry, and L. Goldberg, Brooklyn, N. Y. Lighting fixture. Des. 75,190; May 15.
- Schreibman, Harry, and L. Goldberg, Brooklyn, N. Y. Lighting fixture. Des. 76,058; Aug. 14.
- Schreier, Arthur, Vienna, Austria, assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Liquid-treating material and making same. 1,685,204; Sept. 15.
- Schreier, K. F., et al., trustees. (See Schneible, Joseph, assignor.)
- Schreiner, John A., assignor, by mesne assignments, to Paul W. Koch & Company, Chicago, Ill. Drill or cutter. 1,675,469; July 3.
- Schremp, Edward J., Rochester, N. Y. Garment-folding tray. 1,657,551; Jan. 31.
- Schremp, Edward J., Rochester, N. Y. Garment folder printer press. 1,657,552; Jan. 31.
- Schremp, Edward J., Rochester, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Hosiery and garment press. 1,667,826; May 1.
- Schrenkeisen, William C., Mount Vernon, assignor to Hill Laundry Equipment Co., Inc., Long Island City, N. Y. Laundry drier. 1,664,490; Apr. 3.
- Schrenkeisen, William C., Mount Vernon, assignor to Hill Laundry Equipment Co., Inc., Long Island City, N. Y. Shoe drier. 1,688,793; Oct. 23.
- Schriever, Lüder, Danzig-Langfuhr, Free State of Danzig, and A. Michael, Bremen, Germany. Ship's side scuttle. 1,661,581; Mar. 6.
- Schrimpe, Conrad F., Pertk Amboy, N. J., assignor to Bakelite Corporation, New York, N. Y. Butyl aldehyde-phenol resins and making the same. 1,667,872; May 1.
- Schrivver, Flavius R., Wilkensburg Borough, Pa. Container closure. 1,684,415; Sept. 18.
- Schroder, Fred F., Chicago, Ill. Indicating mechanism. 1,670,744; May 22.
- Schröder, Georg, Schomberg, near Wildbad, Germany. Producing remedies from glandular organs. 1,695,612; Dec. 18.
- Schröder, Hans W. C., assignor to A. B. Dräger, Finkenbergl, Lubeck, Germany. Autogeneous cutting burner. 1,654,557; Jan. 3.
- Schröder, Hans W. C., assignor to A. B. Dräger, Lubeck, Germany; E. Dräger, née Stange, executrix of said Dräger, deceased. Inhaling apparatus for narcotics. 1,683,144; Sept. 4.
- Schröder, Hans W. C., assignor to A. B. Dräger, Lubeck, Germany; E. Dräger, née Stange, executrix of said Dräger, deceased. Breathing apparatus particularly for administering anesthetics. 1,693,730; Dec. 4.
- Schröder, Hans W. C., Lubeck, assignor to A. B. Dräger, deceased, Finkenbergl, Lubeck, Germany; E. Dräger, née Stange, executrix. Inhaling device for administering gases and the like. 1,695,930; Dec. 18.
- Schröder, Wilhelm G., Arfrade, near Lubeck, Germany. Device for the cooling of fatty emulsions or the like. 1,679,685; Aug. 7.
- Schroeder, Anthony, assignor of one-half to J. M. Finney, Cleveland, Ohio. Metal container. 1,684,891; Sept. 18.
- Schroeder, Arthur C. (See Bretz, Robert B., assignor.)
- Schroeder, Bernhard, Chicago, Ill., and C. U. Savoye, Hackensack, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Boiler system. 1,674,024; June 19.
- Schroeder, Carl, Mayville, Wis. Pea grader and cleaner. 1,665,114; Apr. 3.
- Schroeder, Charles J., Minonk, Ill. Electric light. 1,693,672; Dec. 4.
- Schroeder, Curt, and A. Keil, Berlin, Germany. Base for ointments. 1,668,382; May 1.
- Schroeder, Frank J., Altoona, Pa. Rail lock. 1,657,940; Jan. 31.
- Schroeder, Frank J., Altoona, Pa. Rail lock. 1,665,115; Apr. 3.
- Schroeder, Frank J., Altoona, Pa., assignor to Continental Railway Supply Corporation, New York, N. Y. Tool. 1,664,529; Apr. 3.
- Schroeder, Frederick A., Rochelle Park, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Corrugating machine. 1,659,166; Feb. 14.
- Schroeder, Harry C., et al. (See Baker, Daniel W., assignor.)
- Schroeder, Louis J., assignor to Hood Rubber Company, Watertown, Mass. Mold. 1,679,788; Aug. 7.
- Schroeder, Oscar C., Chicago, Ill. Thermostatically-controlled mechanism. 1,670,010; May 15.
- Schroeder, Oscar C., Chicago, Ill. Safety mechanism for oil burners. 1,670,745; May 22.
- Schroeder, Oscar C., Chicago, Ill. Thermostatically-controlled mechanism. 1,670,746; May 22.
- Schroeder, Oscar C., Chicago, Ill. Controlling mechanism for oil burners. 1,689,803; Oct. 30.
- Schroeder, Simon E., Newton, Iowa. Washing machine. 1,659,283; Feb. 14.
- Schroeder, Simon E., Newton, Iowa. Safety wringer mechanism. 1,667,495; Apr. 24.
- Schroeder, Simon E., Newton, Iowa. Wringer. 1,667,496; Apr. 24.
- Schroeder, Simon E., Newton, Ind. Wringer. 1,693,821; Dec. 4.
- Schroeder, Simon E., assignor, by mesne assignments, to Automatic Washer Company, Newton, Iowa. Washing machine. 1,695,065; Dec. 11.
- Schroeder, Wilhelm, and J. Nolte, Bruchhausen, Germany. Branch terminal for overhead lines. 1,654,838; Jan. 3.
- Schroeter, Georg, Berlin, Germany. Purification of naphthalene. 1,680,070; Aug. 7.

- Schroeter, George A. (See Marteau, R. L., and Schroeter.)
- Schron, Christy, assignor to The White Motor Company, Cleveland, Ohio. Work holder. 1,676,290; July 10.
- Schrope, William D., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition device. 1,687,040; Oct. 9.
- Schröter, Fritz, Berlin-Schmargendorf, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Electric vacuum valve tube. 1,656,956; Jan. 24.
- Schröter, Fritz, Berlin-Schmargendorf, Germany, assignor, by mesne assignments, to American Telephone and Telegraph Company. Glow-discharge valve. 1,656,957; Jan. 24.
- Schröter, Fritz, assignor to Gesellschaft für drahtlose Telegraphie m. b. H., Berlin, Germany. System for reducing static disturbances. 1,678,653; July 31.
- Schroth, Charles. (See Puredy, F., Schroth, and Favini.)
- Schroyer, Harry H., Chicago, Ill., assignor to Morton Manufacturing Company. Releasable handle for vestibule curtains. 1,654,707; Jan. 3.
- Schrumm, Jewett F., Waterbury, Conn. Electric power demand control system. 1,674,451; June 19.
- Schryver, Washington L., Prophetstown, Ill. Signal lamp for vehicles. Des. 75,932; July 31.
- Schubardt, Walter. (See Mittasch, A., Müller, and Schubardt.)
- Schubardt, Walter. (See Müller, C., Schlecht, and Schubardt.)
- Schubart, Benno, Nuremberg, assignor to Vereingte Schuhfabriken, Bemeis-Wessels Aktiengesellschaft, Augsburg, Oberhausen, Germany. Baby's shoe. Des. 77,187; Dec. 11.
- Schubert, Clarence A., Findlay, Ohio. Material-handling apparatus. 1,656,240; Jan. 17.
- Schubert, Franz J. (See Garrett Robert E., assignor.)
- Schubert, Friedrich W., assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Manufacture of artificial silk. 1,657,697; Jan. 31.
- Schubert, Friedrich W., assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Apparatus for the manufacture of artificial silk. 1,662,473; Mar. 13.
- Schubode, Albert, Brunswick, assignor to Firma Hannover-Kassen-Gesellschaft m. b. H., Peine, Hannover, Germany. Calculating machine. 1,690,651; Nov. 6.
- Schubode, Albert, Brunswick, assignor to Firma Hannover-Kassen-Gesellschaft m. b. H., Peine, Hannover, Germany. Calculating machine. 1,693,766; Dec. 4.
- Schuchert, Otto A., Elgin, Ill. Combination lamp and smoker's stand. 1,691,137; Nov. 13.
- Schückher, Albert, Vienna, Austria. Apparatus for purifying and moistening air. 1,691,827; Nov. 13.
- Schuelke, Emil A., assignor to The Napier Co., Meriden, Conn. Pocket lighter. Des. 74,241; Jan. 10.
- Schuelke, Emil A., assignor to The Napier Co., Meriden, Conn. Necklace or similar article. Des. 76,960; Nov. 20.
- Schuelke, Emil A., assignor to The Napier Co., Meriden, Conn. Necklace or similar article. Des. 77,188; Dec. 11.
- Schuermann, Anton C. (See Mueller, P., and Schuermann.)
- Schuermann, Anton C. (See Mueller, P., Schuermann, and Lucas.)
- Schuermann, Anton C., deceased. (See Mueller, P., and Schuermann.)
- Schuermann, Helena, executrix. (See Mueller, P., and Schuermann.)
- Schuette, Henry H., Napoleon, Ohio. Fence protector. 1,670,869; May 22.
- Schuette, Henry H., Napoleon, Ohio. Fence protector. 1,686,576; Oct. 9.
- Schuetz, Frederick, Fork, N. Y. Ventilator for poultry cars. 1,670,784; May 22.
- Schuetz, Thomas J. (See Ryan, C. E., and Schuetz.)
- Schüfftan, Eugen, Berlin Wilmsdorf, Germany. Making motion pictures. 1,690,039; Oct. 30.
- Schugen, Louis, assignor of forty-eight per cent to B. Regali and J. Regali, New Kensington, Pa. Window-sash construction. 1,683,991; Sept. 11.
- Schuh, Otto H., Denver, Colo. Hoisting apparatus. 1,688,507; Oct. 23.
- Schuhbauer, Frank X., and G. Niklas, Butte, Mont. Dust-proof watch pocket. 1,657,973; Jan. 31.
- Schulde, John, assignor to Harry L. Hussmann Refrigerator Company, St. Louis, Mo. Cooling system and refrigerator therefor. 1,660,138; Feb. 21.
- Schulder, Fred, Cleveland, Ohio. Combination fixture. 1,680,119; Aug. 7.
- Schuldt, Clarence, Des Plaines, Ill. Electric cord swivel connector. 1,666,247; Apr. 17.
- Schuldt, Clarence, Des Plaines, Ill. Three-way lamp socket. 1,666,248; Apr. 17.
- Schuldt, Gotthilf, Stuttgart, Germany. Solder for aluminum and aluminum alloys. 1,661,052; Feb. 28.
- Schulemann, Werner, Vohwinkel, and K. Meisenburg, Elberfeld, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Pharmaceutical compound. 1,690,796; Nov. 6.
- Schulenberg, William L., Dunkirk, N. Y. Apparatus for heat treating articles. 1,690,555; Nov. 6.
- Schulenburg, Wilhelm, Frankfurt-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Preparation of camphene. 1,663,569; Mar. 27.
- Schuler, George, Woodside, N. Y. Trimming and folding fabric edges. 1,657,687; Jan. 31.
- Schulze, H. E., Inc. (See Schulze, Herman E., assignor.)
- Schulze, Herman E., New York, N. Y., assignor to H. E. Schulze, Inc. Shoe-shining seat. Des. 76,729; Oct. 23.
- Schulze, Herman E., New York, N. Y., assignor to H. E. Schulze, Inc. Shoe-shining installation. 1,688,753; Oct. 23.
- Schulte, Bernard F., New York, N. Y. Store front. Des. 77,261; Dec. 18.
- Schulte, Fritz. (See Herz, R., and Schulte.)
- Schulte, Fritz. (See Herz, R., Schulte, and Zerweck.)
- Schulte, Louis, Pittsburgh, assignor to Allegheny Steel Company, Brackenridge, Pa. Pickling chromium-iron alloys. 1,657,228; Jan. 24.
- Schulte, Louis, Pittsburgh, Pa., assignor to Allegheny Steel Company. Treating metal articles. 1,678,359; July 24.
- Schultheiss, John, Baltimore, Md. Pipe cutter. 1,675,386; July 3.
- Schulthess, Clara, assignor of one-half to B. M. Melvin, San Francisco, Calif. Iron stand. 1,694,236; Dec. 4.
- Schultz, Charles, North Milwaukee, Wis. Windshield wiper. 1,679,097; July 31.
- Schultz, Edward. (See Newburger, A., and Schultz.)
- Schultz, Edward, assignor to (Mrs.) E. A. Laughery, Chicago, Ill. Dispensing apparatus. 1,659,167; Feb. 14.
- Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Vapor burner. 1,678,828; July 31.
- Schultz, Edward J., Covington, Ky. Tie. 1,676,291; July 10.
- Schultz, Emil G., Milwaukee, Wis. Burglar alarm for automobiles. 1,687,110; Oct. 9.
- Schultz, Ferdinand H., Council Bluffs, Iowa. Bottle opener. 1,666,249; Apr. 17.
- Schultz, Frank D., assignor of one-half to A. Therry, Seattle, Wash. Portable burning apparatus. 1,696,888; Dec. 25.
- Schultz, Fred M., Detroit, Mich. Automatic safety latch. 1,685,057; Sept. 18.
- Schultz, Frederick A., Hasbrouck Heights, N. J. Heel. 1,679,272; July 31.
- Schultz, George W., Bowers, Pa. Telephone muffler. 1,666,220; Apr. 17.
- Schultz, George W., Bowers, Pa. Engine exhaust. 1,685,006; Sept. 18.
- Schultz, Joseph D., Mount Clemens, Mich. Alarm device. 1,686,295; Oct. 2.
- Schultz, Louis, assignor to The Sunlite Company, Milwaukee, Wis. Cardboard carton. Des. 74,278; Jan. 17.
- Schultz, Louis, assignor to The Sunlite Company, Milwaukee, Wis. Cardboard carton. Des. 74,279; Jan. 17.
- Schultz, Louis, assignor to The Sunlite Company, Milwaukee, Wis. Cardboard carton. Des. 74,280; Jan. 17.
- Schultz, Richard W., Richmond, Va. Railway tie. 1,662,402; Mar. 13.
- Schultz, William F., and L. Masche, Ripon, Wis. Pressure carburetor-control device. 1,663,218; Mar. 20.
- Schultz, William L., assignor to American Optical Company, Southbridge, Mass. Bevel-edging machine. 1,659,964; Feb. 21.
- Schultz, Wilmer A. (See Dancker, J. E., and Schultz.)
- Schultze, Helmuth A., assignor to Flexo-Motive Corporation, Chicago, Ill. Transmission mechanism. 1,663,026; Mar. 20.
- Schultze, Hermann S., Griesheim-on-the-Main, assignor to the firm I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Agglomerating pulverulent materials. 1,656,572; Jan. 17.
- Schultze, William, Syracuse, assignor to Atmospheric Nitrogen Corporation, Solvay, N. Y. Catalysts compact and making same. 1,680,807; Aug. 14.
- Schulz, Arthur E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working mechanism. 1,691,588; Nov. 13.
- Schulz, Arthur E., and J. H. Aeby, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing material to material-working apparatus. 1,673,270; June 12.
- Schulz, Emil E., McConnell, Ill. Combined barrel cover and pail support. 1,696,418; Dec. 25.
- Schulz, George W., Clark, S. Dak. Harrow drawbar. 1,693,467; Nov. 27.
- Schulz, Waldemar, Neu-Ruppin, Germany. Internal-combustion engine. 1,688,944; Oct. 23.
- Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Metal crate. 1,669,214; May 8.
- Schulze, August, Midwest, Wyo. Dustless ash remover. 1,667,952; May 1.
- Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Illuminated instrument mount. 1,659,787; Feb. 21.
- Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Illuminated instrument panel. 1,679,587; Aug. 7.
- Schulzke, Richard F., assignor to Zoss Ladder Works, Portland, Oreg. Ladder. 1,676,915; July 10.
- Schum, Herman. (See Mayer, J. T., Levis, and Schum.)
- Schumacher, Carl E., et al. (See Vaughan, Thomas M., assignor.)

- Schumacher, Clark P. and L. B., St. Louis, Mo. Spacer or chair bar for concrete reinforcing bars. 1,672,176; June 5.
- Schumacher, Conrad. (See Gaisman, H. J., and Schumacher.)
- Schumacher, Earle E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device and circuit therefor. 1,665,508; Apr. 10.
- Schumacher, Earl E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-emitting cathode and making it. 1,668,734; May 8.
- Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Combined temple and end piece for ophthalmic mountings. Des. 75,450; June 5.
- Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,661,271; Mar. 6.
- Schumacher, Ernest A., and H. E. Wessling, Cincinnati, Ohio. Cultivator. 1,690,252; Nov. 6.
- Schumacher, Gerhard, et al., joint trustees. (See Schumacher, Gerhard, assignor.)
- Schumacher, Gerhard, Milwaukee, Wis., assignor to E. M. Rogert, Cleveland, Ohio, and G. Schumacher, Milwaukee, Wis., joint trustees. Valve. 1,656,448; Jan. 17.
- Schumacher, Howard F., et al. (See Vaughan, Thomas M., assignor.)
- Schumacher, John, Los Angeles, Calif. Plaster-board walling. 1,663,219; Mar. 20.
- Schumacher, John, Los Angeles, Calif. Reinforced-edge plaster board. 1,672,097; June 5.
- Schumacher, John, Los Angeles, Calif. Joint trimmer for plaster board and the like. 1,672,098; June 5.
- Schumacher, John, Los Angeles, Calif. Edge-covered board. 1,672,099; June 5.
- Schumacher, John, Los Angeles, Calif. Edge-protected board. 1,678,959; July 31.
- Schumacher, John, Los Angeles, Calif. Reinforced-edge plaster board. 1,690,253; Nov. 6.
- Schumacher, Leon B. (See Schumacher, Clark P. and L. B.)
- Schuman, Leland M. H., Savannah, Ga. Radius rod for motor vehicles. 1,683,923; Sept. 11.
- Schumann, Otto R., Chicago, assignor to Whiting Corporation, Harvey, Ill. Insulating protector for multiple conduits on electric vehicles. 1,659,334; Feb. 14.
- Schumer, John, assignor to The Schumer Brothers Company, Cincinnati, Ohio. Finger ring. Des. 75,809; July 17.
- Schumer, Louis, Brooklyn, N. Y. Display device. 1,657,413; Jan. 24.
- Schunck, Carl D., Brooklyn, and W. J. Kelly, Jamaica, N. Y. Door-knob and spindle fastening. 1,663,417; Mar. 20.
- Schunk, Carl T., Lakewood, assignor to The Peerless Paper Box Manufacturing Company, Cleveland, Ohio. Forming dry-battery structures. 1,674,745; June 26.
- Schupp, Arthur A., assignor to Frederickson Company, Saginaw, Mich. Brush for generators, etc. 1,664,708; Apr. 3.
- Schur, Milton O. (See Richter, G. A., and Schur.)
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Indicator for automatic slowness testers. 1,666,034; Apr. 10.
- Schur, Milton O., assignor to Brown Company, Berlin, N. H. Method and apparatus for testing the spread of ink. 1,691,739; Nov. 13.
- Schürer, Eugen, assignor to Felten and Guillaume Carls-werk Actien Gesellschaft, Cologne-Mulheim, Germany. Manufacturing uniformly-loaded conductors used for signaling purposes. 1,673,208; June 12.
- Schürer, Eugen, assignor to Felten & Guillaume Carls-werk Actien-Gesellschaft, Cologne-Mulheim, Germany. Lead-sheathed telephone cable. 1,684,363; Sept. 11.
- Schuricht, Alfons G. (See Ernst, H., and Schuricht.)
- Schurimann, George, Seattle, Wash. Battery-charging clip or connector. 1,671,842; May 29.
- Schurman, Robert. (See Hollander, A., and Schurman.)
- Schürmann, Friedrich, assignor to the firm Aug. Klönne, Dortmund, Germany. Sealing piston for reservoirs for the storage of gas, steam, or easily-evaporating liquids. 1,693,468; Nov. 27.
- Schürmann, Julius, Berlin-Zehlendorf, Germany. Electric fuse. 1,695,825; Dec. 18.
- Schurmann, W. A., & Co. (See Schurmann, William A., assignor.)
- Schürmann, Walter, Dusseldorf, Germany. Sectional or link shaft. 1,678,709; July 31.
- Schurmann, William A., assignor to W. A. Schurmann & Co., Inc., Chicago, Ill. Egg carton. 1,676,872; July 10.
- Schurr, Charles H., Cleveland, Ohio. Generating or grinding gear teeth. 1,680,258; Aug. 7.
- Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Hobbing machine. 1,676,873; July 10.
- Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Machine for hobbing or cutting gears. 1,677,853; July 17.
- Schurr, Henry, Philadelphia, Pa. Window-shade cleaner. 1,677,252; July 17.
- Schussler Tobacco Machine Company, The. (See Schussler, Walter H., assignor.)
- Schussler, Walter H., Philadelphia, Pa. Tobacco-feeding mechanism. 1,679,948; Aug. 7.
- Schussler, Walter H., assignor to The Schussler Tobacco Machine Company, Philadelphia, Pa. Tobacco blending and feeding mechanism. 1,682,542; Aug. 28.
- Schuster, John E., Detroit, Mich. Attachment for screw-making machines. 1,672,733; June 5.
- Schuster, Karl R., Hopatcong, N. J. Mixing concrete and transporting the same. Re17,082; Sept. 11.
- Schuster, Karl R., Hopatcong, N. J. Transporting mixed materials. 1,654,370; Sept. 11.
- Schuster, Karl R., Hopatcong, N. J. Building construction. 1,693,941; Dec. 4.
- Schuster, Otto P., North Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Controller. 1,656,021; Jan. 10.
- Schuster, Otto P., North Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Contact finger. 1,686,643; Oct. 9.
- Schuster, Richard, Berlin-Halensee, Germany. Making electrolytes. 1,695,667; Dec. 18.
- Schutte, August E., Northboro, Mass. Construction of surfacings for roadways, sidewalks and the like. 1,670,826; May 22.
- Schutte, August E., Northboro, assignor to Warren Brothers Company, Cambridge, Mass. Machine for making concrete roadways. 1,670,785; May 22.
- Schutte, August E., Northboro, assignor to Warren Brothers Company, Cambridge, Mass. Construction of street pavements. 1,677,600; July 17.
- Schütte, Charles F. (See Mursch, J., and Schütte.)
- Schütte, Hermann. (See Meyer, K. H., and Schütte.)
- Schutte, Hermann, Pittsburgh, Pa. Clamp for trolley conductors. 1,679,789; Aug. 7.
- Schütte, Johann C. F. A., Altdorf, Switzerland. Apparatus for producing sheets and similar article electrolytically. 1,682,426; Aug. 28.
- Schutte and Koerting Company. (See Knauf, Paul W., assignor.)
- Schutte and Koerting Company. (See Muhleisen, Karl, assignor.)
- Schütz, Conrad, Philadelphia, Pa., assignor to Liberman Manufacturing Company. Control mechanism. 1,680,808; Aug. 14.
- Schutz, Harold R., Toledo, assignor to The Edward Ford Plate Glass Co., Rossford, Ohio. Roll for rolling molten glass. 1,659,053; Feb. 14.
- Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to C. G. Hawley, Cleveland, Ohio. Burning fuel. 1,657,698; Jan. 31.
- Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to C. G. Hawley, Cleveland, Ohio. Fuel burner. 1,657,725; Jan. 31.
- Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to C. G. Hawley, Cleveland, Ohio. Apparatus for smelting the metallic dust and recovering the heat from blast-furnace gases. 1,662,939; Mar. 20.
- Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal process and apparatus. 1,668,872; May 8.
- Schutz, Konrad, Brooklyn, N. Y. Fastening device for shoes. 1,678,273; July 24.
- Schutz, Konrad, Brooklyn, N. Y. Strengthening device for shoes. 1,678,274; July 24.
- Schutz, Michael. (See Ruck, P., and Schutz.)
- Schutz, Raymond M., Rock Valley, Iowa. Badge. Des. 74,193; Jan. 3.
- Schutze, Frederick, London, England. Infant's soother. 1,656,833; Jan. 17.
- Schutzman, Arthur M., Baton Rouge, La. Dental casting device. 1,659,615; Feb. 21.
- Schuurman, William H. A. E. (See Trouwborst, P. C., Arts, and Schuurman.)
- Schuyler, Ella S., executrix. (See Schuyler, Frank B.)
- Schuyler, Frank B., deceased, Berkeley, Calif.; E. S. Schuyler, executrix. Washing machine. 1,694,606; Dec. 11.
- Schuz, Emil, Leipzig-Grosszschocher, assignor to the firm of Meier & Weichert, Leipzig-Lindenau, Germany. Metallurgical product and producing same. 1,689,456; Oct. 30.
- Schwab, A. G., & Sons. (See Atkinson, William B., assignor.)
- Schwab, Edward L., Chicago, Ill. Cabinet. 1,677,410; July 17.
- Schwab, Isaac M., Savannah, Ga. Eyeglass frame. 1,654,996; Jan. 3.
- Schwab, James W., Gulf, assignor to Texas Gulf Sulphur Company, Bay City, Tex. Treating sulphur. 1,656,504; Jan. 17.
- Schwab, James W., Gulf, assignor to Texas Gulf Sulphur Company, Bay City, Tex. Treating sulphur. 1,656,505; Jan. 17.
- Schwab, James W., Gulf, assignor to Texas Gulf Sulphur Company, Bay City, Tex. Treating sulphur. 1,683,731; Sept. 11.
- Schwab, James W., Gulf, assignor to Texas Gulf Sulphur Company, Bay City, Tex. Treating sulphur. 1,692,422; Nov. 20.
- Schwab, Jules, assignor to Societe Thermosonus, Paris, France. Automatic fire-protection door or screen. 1,682,634; Aug. 28.

- Schwab, Marion, San Francisco, Calif. Convertible chair and bed. 1,690,797; Nov. 6.
- Schwab, Maurice M. and S. S. Toledo, Ohio. Cleansing-liquid-restoring means. 1,682,939; Sept. 4.
- Schwab Safe Co. (See Pyle, Paul E., assignor.)
- Schwab, Samuel S. (See Schwab, Maurice M. and S. S.)
- Schwabacher, Leo H., et al., trustees. (See Lyons, James, jr., assignor.)
- Schwabe, Rudolf. (See Bockmühl, M., Schwabe, and Ehrhart.)
- Schwager, Henry A., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. External contracting brake. 1,679,991; Aug. 7.
- Schwalbenberg, Peter J., assignor to one-third to F. B. McKenna and one-third to J. M. Cole, New York, N. Y. Device for controlling the energy supply of internal-combustion engines. 1,669,786; May 15.
- Schwalge, Albert J., Chicago, Ill. Swimming appliance. 1,674,801; June 26.
- Schwan, Joseph, Milwaukee, Wis. Gasoline gauge. 1,662,540; Mar. 13.
- Schwanke, Ewald, Waldshut, Germany. Clock and watch with twenty-four hour figure indication. 1,665,073; Apr. 3.
- Schwannecke, Frederick A., New Rochelle, N. Y. Container. 1,678,960; July 31.
- Schwarber, Henry, Weehawken, N. J. Embroidered edging. Des. 74,281; Jan. 17.
- Schwarber, Henry, Weehawken, N. J. Embroidered edging. Des. 74,631; Mar. 6.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. Des. 74,806; Mar. 27.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. Des. 75,293; May 22.
- Schwarber, Henry, Weehawken, N. J. Embroidered medallion. Des. 75,451; June 5.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 75,523; June 12.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. Des. 75,528; June 12.
- Schwarber, Henry, Weehawken, N. J. Embroidered edging. Des. 75,529; June 12.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. Des. 75,530; June 12.
- Schwarber, Henry, Weehawken, N. J. Embroidered edging. Des. 75,700; July 3.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 76,500; Oct. 2.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace medallion. Des. 76,501; Oct. 2.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 77,038; Nov. 27.
- Schwarber, Henry, Weehawken, N. J. Embroidered lace edging. Des. 77,039; Nov. 27.
- Schwarman, Alexander, assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Treating oils. 1,692,226; Nov. 20.
- Schwartz, Adolf, Kenosha, Wis. Fur-sewing-machine attachment. 1,680,433; Aug. 14.
- Schwartz, Albert, New York, N. Y. Telephone. 1,687,953; May 1.
- Schwartz, Alfred, Montclair, N. J., assignor, by mesne assignments, to Coal and Oil Products Corporation, New York, N. Y. Treating hydrocarbons. 1,655,741; Jan. 10.
- Schwartz, Alfred, Montclair, N. J., assignor to Petroleum Sand Products Corporation. Treating hydrocarbons. 1,691,085; Nov. 13.
- Schwartz, Carl, New Rochelle, N. Y., assignor to International Combustion Engineering Corporation. Apparatus for burning of powdered fuel. 1,656,991; Jan. 24.
- Schwartz, Carl, New Rochelle, N. Y., assignor to International Combustion Engineering Corporation. Fuel-conditioning system. 1,663,220; Mar. 20.
- Schwartz, Federico. (See Casanovas, R. C. V. D., Schwartz, and Gil-Camporro.)
- Schwartz, Frank, New York, N. Y. Beam compass. 1,676,359; July 10.
- Schwartz, Frank, New York, N. Y. Auxiliary beam-compass kit for drawing instruments. 1,676,360; July 10.
- Schwartz, Frank, New York, N. Y. Device for indicating density of liquids. 1,691,084; Nov. 13.
- Schwartz, Frederick, Brooklyn, N. Y. Bridge lamp or the like. Des. 74,763; Mar. 20.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Stand for radio loud speakers or similar articles. Des. 74,194; Jan. 3.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Table for radio receiving sets and the like. Des. 74,947; Apr. 17.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Table for radio receiving sets and the like. Des. 74,948; Apr. 17.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Combined radiolabel and loud-speaker casing. Des. 75,933; July 31.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Table. Des. 76,328; Sept. 11.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Table for radio receiving sets or the like. Des. 76,640; Oct. 16.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Table for radio receiving sets or the like. Des. 76,641; Oct. 16.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Bench. Des. 76,900; Nov. 13.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Bench. Des. 76,961; Nov. 20.
- Schwartz, Frederick, assignor to Robert Findlay Manufacturing Company, Inc., Brooklyn, N. Y. Table for radio receiving sets or the like. Des. 77,189; Dec. 11.
- Schwartz, Gerhardt F., St. Louis, Mo. Electric control device. 1,676,671; July 10.
- Schwartz, Harry A., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Making malleable-iron castings. 1,656,535; Jan. 17.
- Schwartz, Harry A., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Manufacture of malleable cast iron. 1,660,398; Feb. 28.
- Schwartz, Harry A., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Making malleable-iron castings. 1,688,433; Oct. 23.
- Schwartz, Hattie B., Pasadena, Calif. Kindergarten crayon and scissors holder. 1,662,077; Mar. 13.
- Schwartz, Henry. (See Schwartz, Saul, assignor.)
- Schwartz, Henry, Chicago, Ill. Forming bushing structures. 1,673,425; June 12.
- Schwartz, Henry H., Scranton, Pa. Shoe construction. 1,693,122; Nov. 27.
- Schwartz, Kevie W., assignor, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Production of hard, wear resisting printing surfaces. 1,673,779; June 12.
- Schwartz, Kevie W., assignor, by mesne assignments, to United Chromium, Incorporated, New York, N. Y. Manufacture of articles of cellulose esters and of their compositions. 1,688,060; Oct. 16.
- Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Intercepting trunk system. 1,665,479; Apr. 10.
- Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Traffic recorder for telephone systems. 1,663,541; May 1.
- Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multifunction automatic telephone system. 1,674,134; June 19.
- Schwartz, Morris, assignor to American Flange & Manufacturing Co., Chicago, Ill. Bushing structure. 1,656,241; Jan. 17.
- Schwartz, Morris, assignor to American Flange & Manufacturing Co., Chicago, Ill. Bushing structure. 1,663,099; Mar. 20.
- Schwartz, S. Robert. (See Bostrom, August, assignor.)
- Schwartz, Saul, assignor to H. Schwartz, Chicago, Ill. Container. 1,679,273; July 31.
- Schwartz, Saul, assignor to H. Schwartz, Chicago, Ill. Container. 1,682,427; Aug. 28.
- Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Panel. Re17,144; Nov. 20.
- Schwartz, William. (See Rosche, H. J., jr., and Schwartz.)
- Schwartz, William, St. Louis, Mo. Skylight. 1,684,641; Sept. 18.
- Schwartzman, Morris. (See Alter, H. A., and Schwartzman.)
- Schwarz, Adolf. (See Bockmühl, M., and Schwarz.)
- Schwarz, Alfred, Montclair, N. J., assignor to Petroleum Sand Products Corporation. Refining oils. 1,656,990; Jan. 24.
- Schwarz, Arthur, Vienna, Austria. Record file. 1,680,177; Aug. 7.
- Schwarz, Carl, Rostock, Germany, and H. Schwarz, Chicago, Ill. Boat water-closet. 1,683,924; Sept. 11.
- Schwarz, Christian J. G., Offenbach-on-the-Main, Germany. Fastener for the mouth frames of hand bags. 1,693,056; Nov. 27.
- Schwarz, Eduard, Chicago, Ill. Color-binding preparation. 1,692,389; Nov. 20.
- Schwarz, Emil P., St. Paul, Minn., assignor to Seeger Refrigerator Company. Removable drain pan for refrigerators. 1,684,558; Sept. 18.
- Schwarz, F. A. O. (See Kirkham, P., and Scheel, assignors.)
- Schwarz, Henry G., Denver, Colo. Clarifier and thickener. 1,682,256; Aug. 28.
- Schwarz, Henry W., Mart, Tex. Valve-stem-securing means for vehicle tires. 1,672,347; June 5.
- Schwarz, Hermann, Hamburg, Germany. Apparatus for setting up skittle pins. 1,695,209; Dec. 11.
- Schwarz, Hugo. (See Schwarz, Carl and H.)
- Schwarz, Hugo, San Bruno, Calif. Apparatus for sealing packages. 1,662,341; Mar. 13.
- Schwarz, Roland S., sr., Huntington, W. Va. Mop. 1,676,115; July 3.
- Schwarz, Roland S., sr., Huntington, W. Va. Mop wringer. 1,691,086; Nov. 13.
- Schwarze, Edward P., jr., Astoria, N. Y. Control device for radio sets. 1,660,278; Feb. 21.
- Schwarzl, Benno. (See Onnertz, P., and Schwarzl.)

- Schwarzenbach Huber Co., The. (See Coene, Emile, assignor.)
- Schwarzenbach-Huber Company, The. (See Neu, Eugene C., assignor.)
- Schwarzenbauer, Waldemar, Eltersdorf, assignor to Bing Werke, Nuremberg, Bavaria, Germany. Connection plate for toy electric railways. 1,672,915; June 12.
- Schwarzkopf, Erich, Long Island City, and G. Wodtke, New York, N. Y. Electrocardiograph. 1,681,628; Aug. 21.
- Schwarzkopf, Paul, Charlottenburg, assignor of one-half to Deutsche Glühfadenfabrik, Richard Kurtz & Dr. Ing. Paul Schwarzkopf G. m. b. H., Berlin, Germany. Anode and making the same. 1,657,553; Jan. 31.
- Schweig, Julius A., St. Louis, Mo. Guide shoe for elevator doors. 1,655,977; Jan. 10.
- Schweig, Julius A., St. Louis, Mo. Lock for elevator doors. 1,662,342; Mar. 13.
- Schweigert, William F., Buffalo, N. Y. Sheet-metal container. 1,682,096; Aug. 28.
- Schweiker, Roy W., Lansdale, Pa. Side-wall lighting fixture. Des. 74,577; Feb. 28.
- Schweiker, Roy W., Lansdale, Pa. Lighting fixture. Des. 76,262; Sept. 4.
- Schweiker, Roy W., Lansdale, Pa. Convenience outlet for lighting fixtures. 1,681,437; Aug. 21.
- Schweinert, Maximilian C., deceased, West Hoboken, N. J., C. E. Whitney, M. Schweinert, and The Farmers Loan and Trust Company, executors. Dust cap for tire valves. 1,657,042; Jan. 24.
- Schweinert, Maximilian C., New York, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Combined valve cap and dust cap. 1,686,642; Oct. 9.
- Schweinert, May, et al., executors. (See Schweinert, Maximilian C.)
- Schweitzer & Conrad, Inc. (See Conrad, Nicholas J., assignor.)
- Schweitzer, Edmund O., Chicago, Ill. Lighting fixture. 1,684,416; Sept. 18.
- Schweitzer, Heinrich, New York. Wax dental form and making same. 1,675,732; July 3.
- Schweitzer, Hugo, Wiesdorf, near Cologne, and W. Neelmeier, Leverkusen, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Amino-diarylsulphonylpyrazolone azodyestuffs. 1,685,071; Sept. 18.
- Schweitzer, Reuben R. (See Records, C. E., and Schweitzer.)
- Schweitzer, Wilhelm H., Heidelberg, Germany, assignor, by mesne assignments, to American Lanil Corporation. Manufacture of textile fibers from animal hair and bristles. 1,677,149; July 17.
- Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Reinforcing sleeve for tubular shafts. 1,656,992; Jan. 24.
- Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Bearing. 1,676,292; July 10.
- Schwemlein, William, assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Counterbalanced band wheel. 1,692,581; Nov. 20.
- Schwemlein, William, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company. Closure. 1,689,057; Oct. 23.
- Schwendner, Anthony F., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Underfeed stoker. 1,666,512; Apr. 17.
- Schwendner, Anthony F., Essington, and J. S. Myers, Philadelphia, Pa., assignors to Westinghouse Electric & Manufacturing Company. Hydraulic transmission system. 1,684,075; Sept. 11.
- Schwenke, Robert, Berlin-Charlottenburg, Germany. Driving device for the front wheels of motor cars. 1,678,447; July 24.
- Schwenzer, George V., Brooklyn, N. Y. Bell-ringing device. 1,696,648; Dec. 25.
- Schwer, Wilbert G., assignor to Sandusky Tool Corporation, Sandusky, Ohio. Plane. 1,696,584; Dec. 25.
- Schwerdtfeger, Frederick W., New York, N. Y. Airship landing station. 1,666,354; Apr. 17.
- Schwerdtfeger, Frederick W., and H. Meierhans, New York, N. Y. Aircraft station. 1,660,530; Feb. 28.
- Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,654,899; Jan. 3.
- Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,688,991; Oct. 23.
- Schwertner, David, Leipzig, Ohio. Humidifying device for internal-combustion engines. 1,686,470; Oct. 2.
- Schweyer, Daniel H., Easton, Pa. Air-brake apparatus. 1,684,559; Sept. 18.
- Schweyer, Daniel H., Easton, Pa. Automatic train control. 1,691,499; Nov. 13.
- Schweyer, Daniel H., Easton, Pa. Train-controlling apparatus. 1,695,931; Dec. 18.
- Schwioren, Anton, assignor of one-half to Jesse L. Frazier, Salisbury, Mo. Pulley covering. 1,687,798; Oct. 16.
- Schwimmer, Fredrick J., assignor to The National Supply Company, Toledo, Ohio. Counterbalance. 1,674,181; June 19.
- Schwindenhammer, Albert, Peoria, Ill. Wire reel. 1,685,007; Sept. 18.
- Schwinn, Frank W., Chicago, Ill. Refrigerating system. 1,676,837; July 10.
- Schwoppe, Henry G. (See Allen, J. E., and Schwoppe.)
- Scintilla Magneto Company. (See Perry, Edward D., assignor.)
- Sciscio, Marco. (See Soriano, Charles A., assignor.)
- Sclar, Nathan. (See Goodchild, W., and Sclar.)
- Scofield, Arthur L. (See Craig, T. J., and Scofield.)
- Scofield, Edgar, New York, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Friction-retained closure. 1,663,142; Mar. 20.
- Scofield, Edgar, New York, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Friction closure cap. 1,665,821; Apr. 10.
- Scofield, Edgar, New York, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Closure cap and package. 1,669,579; May 15.
- Scofield, Edgar, New York, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Friction cap for bottles and jars. 1,677,253; July 17.
- Scofield, Edgar, New York, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Hermetic seal. 1,692,189; Nov. 20.
- Scofield, Lillian E., New York, N. Y. Combined corset and brassiere. 1,693,799; Dec. 4.
- Scofield, Theodore J. (See Sparks, W., Scofield, Johnson, and Billig.)
- Scofield, Theodore J., Jackson, Mich. Automatic control switch. 1,669,784; May 15.
- Scofield, Thomas E. (See Oberle, Alfred assignor.)
- Scoggan, Richard R., Jeffersonville, Ind., assignor to Cheatham Electric Switching Device Company, Louisville, Ky. Electric track switch. 1,680,304; Aug. 14.
- Scoggin, James L., Golden, Tex. Massaging device. 1,657,974; Jan. 31.
- Scoggins, Ralph, Houston, Tex. Display holder. 1,673,595; June 12.
- Scoby, John R., et al. (See Gessner, Joseph J., assignor.)
- Scoppettone, Harry A., Seattle, Wash. Sliding window. 1,687,899; Oct. 16.
- Scott, Alexander C., assignor to Mexco Limited, London, England. Explosive. 1,695,932; Dec. 18.
- Scott, Alva W., and H. D. Geyer, assignors to The Inland Manufacturing Company, Dayton, Ohio. Locking handwheel. 1,676,465; July 10.
- Scott, Arthur C. (See Midgett, Penelton G. assignor.)
- Scott, Augustus B., Long Beach, Calif. Fishing tool. 1,668,254; May 1.
- Scott, Augustus B., Long Beach, assignor to Scott Supreme Oil Tool Company, Santa Ana, Calif. Rotary disk. 1,656,022; Jan. 10.
- Scott, Austin J., Gladwin, Mich. Combination salt and pepper shaker. 1,678,487; July 24.
- Scott, Bernard H., Glendale, and S. E. Ross, Long Beach, assignors to Scott-Ross and Company, Los Angeles, Calif. Rotary casing head. 1,662,984; Mar. 20.
- Scott, Bernard H., Glendale, and S. E. Ross, Long Beach, assignors to Scott-Ross and Company, Los Angeles, Calif. Quick-action retention valve for wells. 1,693,255; Nov. 27.
- Scott, Charles A., Rome, assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Wheel guard. 1,691,018; Nov. 6.
- Scott, Charles W., Minneapolis, Minn. Savings bank. Des. 76,327; Sept. 11.
- Scott, Clifford B., Minneapolis, Minn. Heat cabinet. Des. 75,531; June 12.
- Scott, David C. (See Valentine, F. A., and Scott.)
- Scott, David C., assignor, by mesne assignments, to Henry L. Scott Company, Providence, R. I. Abrasive roll. 1,665,609; Apr. 10.
- Scott, David J., et al., executors. (See Drange, Carl E., assignor.)
- Scott, David J., et al., executors. (See Scott, David J., assignor.)
- Scott, David J., Plainfield, N. J., assignor to I. and D. J. Scott, executors of the estate of Walter Scott, doing business as Walter Scott & Company, Plainfield, N. J. Web-tension mechanism. 1,670,637; May 22.
- Scott, David T., Mitchells Island, South Vancouver, British Columbia, Canada. Heavy oil vaporizer. 1,658,538; Feb. 7.
- Scott, David T., Vancouver, B. C., Canada. Internal-combustion engine. 1,663,865; Mar. 27.
- Scott, Dudley H., assignor to The Humphrey Company, Cleveland, Ohio. Buffer or bumper for amusement vehicles or cars. 1,692,095; Nov. 20.
- Scott, Elmer A., Jr., Attleboro, Mass. Pin joint for brooches and like pins. 1,660,976; Feb. 28.
- Scott, Floyd A., Somers Point, N. J. Paste tube. 1,692,096; Nov. 20.
- Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Support for reamer cutters. 1,694,870; Dec. 11.
- Scott, Floyd L., and R. Neuhaus, assignors to Hughes Tool Company, Houston, Tex. Well reamer. 1,654,609; Jan. 3.
- Scott, Floyd L., and L. H. Wellensiek, assignors to Hughes Tool Company, Houston, Tex. Cutter cone for well drills. 1,694,869; Dec. 11.
- Scott, Frank, Sheffield, England. Apparatus for forging or forming metal articles. 1,685,322; Sept. 25.
- Scott, Frank, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Electricity meter. 1,669,177; May 8.

- Scott, Frank B. (See Chase, Reyburn T., assignor.)
- Scott, Frank W., Kenmore, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for repairing tires. 1,671,937; May 29.
- Scott, Frank W., Kirkland, Ill. Sheep shears. 1,692,870; Nov. 27.
- Scott, George A., Grand Haven, Mich. Boiler cleaner. 1,669,349; May 8.
- Scott, George H. (See Richmond, V. C., and Scott.)
- Scott, George N., West New Brighton, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd. Oil-burning attachment for furnace fronts. 1,666,511; Apr. 17.
- Scott, George R. (See Hammett, O. C., and Scott.)
- Scott, Glenn A., and J. M. Cochran, Ventura, Calif. Packer slip socket. 1,678,829; July 31.
- Scott, Gus R., Minneapolis, Minn. Windshield cleaner. 1,672,136; June 5.
- Scott, Harry M., Chickasba, Okla., assignor to O. M. Burton, Chicago, Ill. Upholstery machine. 1,687,393; Oct. 9.
- Scott, Harry T., Los Angeles, Calif. Rear-sight mirror. 1,684,560; Sept. 18.
- Scott, Henry L., Company. (See Scott, David C., assignor.)
- Scott, Henry L., Company. (See Scott, Henry L., assignor.)
- Scott, Henry L., Company. (See Stevenson, Robert P., assignor.)
- Scott, Henry L., Company. (See Valentine, Frank A., assignor.)
- Scott, Henry L., Company. (See Valentine, F. A., and Scott, assignors.)
- Scott, Henry L., assignor, by mesne assignments, to Henry L. Scott Company, Providence, R. I. Testing clamp. 1,656,242; Jan. 17.
- Scott, Henry T., and L. E. Rone, Wichita Falls, Tex. Safety device for tanks. 1,678,605; July 24.
- Scott, Howard, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bimetallic element. 1,665,935; Apr. 10.
- Scott, Howard, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bimetallic element. 1,671,490; May 29.
- Scott, Howard, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bimetallic element. 1,671,491; May 29.
- Scott, Howard B., and E. Warner, assignors, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Engraving machine. 1,674,484; June 19.
- Scott, Irving G., New York, N. Y. Table lamp. Des. 75,524; June 12.
- Scott, Irving G., and M. C. Fox, New York, N. Y. Flower-pot holder. Des. 76,825; Nov. 6.
- Scott, Isabella, et al., executors. (See Drange, Carl E., assignor.)
- Scott, Isabella, et al., executors. (See Scott, David J., assignor.)
- Scott, James D., Curlew, Ky. Splicer for power lines. 1,656,797; Jan. 17.
- Scott, John. (See Brenner, R. S., and Scott.)
- Scott, John H., Muskogee, Okla. Spark-plug cleaner. 1,671,843; May 29.
- Scott, John W., assignor to Standard Safety Tread Corporation, New York, N. Y. Nonslip tread. 1,675,198; June 26.
- Scott, Lewis C., and T. S. Wells, Frankfort, Kans. Grain binder. 1,659,168; Feb. 14.
- Scott, Lewis L., St. Louis, Mo. Combustion system and safety device therefor. 1,655,742; Jan. 10.
- Scott, Lewis L., St. Louis, Mo. Oil burner. 1,656,711; Jan. 17.
- Scott, Lewis L., assignor to Electrol, Inc. of Missouri, St. Louis, Mo. Electric control system for fuel-oil burners. 1,675,058; June 26.
- Scott, Merle H. (See Johnston, M., and Scott.)
- Scott, Morse P., Woodville, assignor to one-half to B. S. Williams, Tunica, Miss. Cotton cleaner and drier. 1,673,341; June 12.
- Scott, Oris. (See Yake, David H., assignor.)
- Scott Paper Company. (See Liebeck, Harry, assignor.)
- Scott Paper Company. (See Parsons, Philip D., assignor.)
- Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. Fuel pump and oil-injection system for internal-combustion engines. 1,687,518; Oct. 16.
- Scott, Philip L., Chicago, Ill., assignor to Super-Diesel Tractor Corporation, La Porte, Ind. By-pass-valve construction. 1,687,519; Oct. 16.
- Scott, Raymond D., Chicago, Ill. Pneumatic jack. 1,665,985; Apr. 10.
- Scott, Robert, Melrose, Mass., assignor to International Combustion Engineering Corporation, New York, N. Y. Blower nozzle for transport lines. 1,686,713; Oct. 9.
- Scott, Robert C., Cambridge, Mass. Expansion joint. 1,672,693; June 5.
- Scott, Robert W., Babylon, assignor to Scott and Williams, Inc., New York, N. Y. Knitting-machine needle. 1,662,281; Mar. 13.
- Scott, Robert W., Babylon, and A. E. Page, Brooklyn, assignors to Scott & Williams Inc., New York, N. Y. Apparatus for and method of knitting. 1,666,794; Apr. 17.
- Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams Incorporated. Machine for knitting thickened-wale fabrics. 1,672,177; June 5.
- Scott-Ross and Company. (See Scott, B. H., and Ross, assignors.)
- Scott, Rumsey W., Montclair, N. J., assignor to American Cable Company, Inc. Attachment for wire rope. 1,678,961; July 31.
- Scott, Rumsey W., Montclair, N. J., assignor to American Cable Company, Inc. Attachment for wire rope. 1,696,889; Dec. 25.
- Scott Supreme Oil Tool Company. (See Scott, Augustus B., assignor.)
- Scott, Thomas S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hollow-shaft collector-lead support. 1,683,706; Sept. 11.
- Scott-Ullman Company, The. (See Kay, Vernon G., assignor.)
- Scott, Walter. (See Drange, Carl E., assignor.)
- Scott, Walter A. (See Wood, Joseph E., assignor.)
- Scott, Walter B., Marblehead, Mass. Toy windmill. 1,693,057; Nov. 27.
- Scott, Walter C., Plainfield, N. J. Roll change mechanism. 1,671,685; May 29.
- Scott, Walter, & Company. (See Drange, Carl E.)
- Scott, Walter J., Woonsocket, R. I. Stop motion for gill boxes. 1,663,283; Mar. 20.
- Scott, Walter M. (See Barnhart, Joseph R., assignor.)
- Scott, Walter M., et al. (See Hans, E. E., and Henry, assignors.)
- Scott, William M., Tredyffrin Township, Chester County, Pa. Switching mechanism. 1,657,486; Jan. 31.
- Scott, William M., Tredyffrin Township, Chester County, Pa. Switching mechanism. 1,657,688; Jan. 31.
- Scott, William M., Tredyffrin Township, Chester County, Pa. Circuit-breaker control. 1,668,735; May 8.
- Scott, William M., Tredyffrin Township, Chester County, and J. H. Wyatt, Kirklyn, Pa.; said Wyatt assignor to said Scott. Switching apparatus. 1,688,754; Oct. 23.
- Scott, William M., Tredyffrin Township, Chester County, Pa. Switchboard mounting of circuit-breaker units. 1,694,398; Dec. 11.
- Scott & Williams, Incorporated. (See Grothey, Ivan W., assignor.)
- Scott and Williams, Inc. (See Katzenmoyer, Harry E., assignor.)
- Scott & Williams, Inc. (See Page, Albert E., assignor.)
- Scott & Williams Incorporated. (See Scott, Robert W., assignor.)
- Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
- Scott & Williams Inc. (See Scott, R. W., and Page, assignors.)
- Scott & Williams, Incorporated. (See Scharhag, Peter, assignor.)
- Scott & Williams, Incorporated. (See Williams, Louis N. D., assignor.)
- Scott, Wilson, et al. (See Smith, Luther, assignor.)
- Scott, Winfield. (See North, C. O., and Scott.)
- Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanization of rubber. 1,656,834; Jan. 17.
- Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Rubber-vulcanization accelerator and preparing same. 1,656,891; Jan. 17.
- Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Producing vulcanized rubber. 1,678,084; July 24.
- Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Producing vulcanized rubber. 1,678,085; July 24.
- Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Producing vulcanized rubber and product thereof. 1,688,755; Oct. 23.
- Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Rubber composition and manufacturing same. 1,688,756; Oct. 23.
- Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacturing vulcanized rubber and product thereof. 1,688,757; Oct. 23.
- Scott, Winfield, assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacture of vulcanized rubber and product thereof. 1,688,758; Oct. 23.
- Scotti, Carlo. (See Diamant, Sigismondo, assignor.)
- Scottish Dyes, Limited. (See Thomas, J., and Davies, assignors.)
- Scottish Dyes Limited. (See Thomas, John, assignor.)
- Scougal, De Witt C., Seattle, Wash. Auxiliary vise automatic. 1,675,868; July 3.
- Scougal, De Witt C., Seattle, Wash. Auxiliary vise automatic. 1,678,360; July 24.
- Scourtes, Nick, and P. Karouzos, Detroit, Mich. Toy airplane vehicle. 1,681,438; Aug. 21.
- Seovel, Henry M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,659,709; Feb. 21.
- Scovill, Edward E., Auburn, N. Y. Music educational appliance. 1,657,137; Jan. 24.
- Scovill, James P., Troy, assignor, by mesne assignments, to Peerless Machine Corporation, New York, N. Y. Tobacco-stemming machine. 1,666,719; Apr. 17.
- Scovill, James P., Troy, assignor to Peerless Machine Corporation, New York, N. Y. Tobacco-stripping machine. 1,666,720; Apr. 17.

- Scovill Manufacturing Company. (See Anderson, George F., assignor.)
- Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
- Scovill Manufacturing Company. (See Boden, G., and King, assignors.)
- Scovill Manufacturing Company. (See Boden, G., King, and Chapman, assignors.)
- Scovill Manufacturing Company. (See Coryell, Charles N., assignor.)
- Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)
- Scovill Manufacturing Co. (See Husvar, Vincent, assignor.)
- Scovill Manufacturing Company. (See King, George A., assignor.)
- Scovill Manufacturing Co. (See Lusher, Albert C., assignor.)
- Scovill Manufacturing Company. (See McAtree, John L., assignor.)
- Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
- Scovill Manufacturing Company. (See Ringenberg, Rudolph, assignor.)
- Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)
- Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
- Scovill Manufacturing Company. (See Warner, Frank E., assignor.)
- Scovill Manufacturing Company. (See Wild, Henry W., assignor.)
- Scoville, Addison B., Mount Vernon, N. Y. Sled. 1,655,713; Jan. 10.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Danville, Ill. Oil purifier. 1,654,839; Jan. 3.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Pittsburgh, Pa. Grease pump. 1,669,425; May 15.
- Scoville Eugene M. Milwaukee Wis. assignor of one-half to F. L. Swanberg, Pittsburgh, Pa. Flow meter. 1,677,411; July 17.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Danville, Ill. Oil pump. 1,696,733; Dec. 25.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Danville, Ill. Oil pump. 1,696,734; Dec. 25.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Danville, Ill. Oil filter. 1,696,735; Dec. 25.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Danville, Ill. Telescopic oiler. 1,696,736; Dec. 25.
- Scoville, Eugene M., Milwaukee, Wis., assignor of one-half to F. L. Swanberg, Pittsburgh, Pa. Grease cup. 1,696,737; Dec. 25.
- Scoville, Eugene M., Cincinnati, Ohio, assignor of one-half to F. L. Swanberg, Pittsburgh, Pa. Sight feed. 1,666,918; Apr. 24.
- Scrannage, Lawrence E., assignor of one-half to A. Chambley, Philadelphia, Pa. Oil rectifier for internal-combustion engines. 1,657,769; Jan. 31.
- Scranton, Eugene L., Hughson, Calif. Wooden outlet-box frame. 1,683,308; Sept. 4.
- Scranton, Henry O., La Fayette, La. Transfer mechanism for sugar canes. 1,677,601; July 17.
- Scranton Lace Company, The. (See Erhard, Gustave F., assignor.)
- Screenless Colortone Corporation. (See Livermore, Frank D., assignor.)
- Screw Machine Products Corporation, The. (See Cavanagh, John F., assignor.)
- Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft bearing. 1,669,725; May 15.
- Scrimgeour, William, Washington, D. C. Control valve. 1,664,135; Mar. 27.
- Scriven, Bernard E., Sound Beach, assignor to The Excelsior Plimtruck Co., Stamford, Conn. Elevating truck. 1,662,782; Mar. 13.
- Scroggins, Philip, Galt, Ontario, Canada. Hockey boot. 1,663,221; Mar. 20.
- Scruby, Horace F., Los Angeles, Calif. Fluid brake and the like. 1,668,027; May 1.
- Scruby, Sydney V. C., B. A. Turkbud, and F. de Fremery, Antwerp, Belgium, assignors, by mesne assignments, to Western Electric Company, Incorporated. Recording means for busy telephone lines. 1,689,406; Oct. 30.
- Scruggs, Frank A., Los Angeles, Calif. Molding machine. 1,674,229; June 19.
- Scudder, Elliot R., Braintree, assignor to The Stetson Shoe Company, Inc., Weymouth, Mass. Profile shoe sample. 1,668,609; May 8.
- Scudder, Mason, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Football, basket ball, and the like. 1,668,173; May 1.
- Scudder, Mason, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Casing for footballs, basket balls, and the like. 1,678,830; July 31.
- Scullin, Charles J. (See Day, C. M., and Scullin.)
- Scullin Steel Company. (See Doerr, Harry E., assignor.)
- Scullin Steel Co. (See McCullough, Paul J., assignor.)
- Scusa, Lino, Phoenix, N. Y. Indicator gauge. 1,679,501; Aug. 7.
- Scuse, Alvin A., Rochester, N. Y. Printing machine. 1,681,905; Aug. 21.
- Scutan Company, The. (See Reid, James, assignor.)
- Scuterud, Harold, Chicago, Ill. Automobile bumper. 1,676,749; July 10.
- Szczepczenski, Peter, assignor of one-half to M. Gill, Niagara Falls, N. Y. Padlock. 1,661,777; Mar. 6.
- Seaberg, Severin, and H. W. Anderson, Moline, Ill. Magnetic circuit-control apparatus. 1,694,692; Dec. 11.
- Seaboalt, Joe S., Abilene, Tex. Steam-generating apparatus. 1,681,061; Aug. 14.
- Seaboard Engineering Corporation. (See Cromartie, C. G. and Nielsen, assignors.)
- Seaboard Engineering Corporation. (See Nowosielski, Edward B., assignor.)
- Seabolt, Frank J., Schenectady, N. Y., assignor to The Phonograph Company. Automatic phonograph. 1,679,054; July 31.
- Seaborne, Charles R., Appleton, Wis. Beater for paper stock. 1,691,308; Nov. 13.
- Seabrook, Eugene, New York, N. Y. Dental device. 1,664,433; Apr. 3.
- Seabury, Ralph L., Toledo, Ohio. Press for molding granular powders. 1,687,995; Oct. 16.
- Seabury, Richard W. (See Ballantine, S., and Seabury.)
- Seabury, Richard W., assignor to Radio Frequency Laboratories, Incorporated, Boonton, N. J. Socket for radio instruments. 1,696,649; Dec. 25.
- Seager, Royal A., Ogden, Utah. Connecting link for cross chains of anti-skid. 1,676,966; July 10.
- Seagraves, Iral E., Tacoma, Wash. Recording apparatus for carsmen. 1,679,631; Aug. 7.
- Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Vehicle brake. 1,655,166; Jan. 3.
- Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Water-hose connection. 1,658,575; Feb. 7.
- Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Thermostatically-controlled damper mechanism for radiators. 1,662,541; Mar. 13.
- Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Rear-spring mounting. 1,668,736; May 8.
- Seaholm, Ernest W., assignor to General Motors Corporation, Detroit, Mich. Radiator cap. 1,686,038; Oct. 2.
- Seaholm, Ernest W., and H. M. Denyes, assignors to General Motor Corporation, Detroit, Mich. Steering wheel. Des. 74,392; Feb. 7.
- Seaholm, Ernest W., Detroit, and H. M. Denyes, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Steering-wheel-control assembly. 1,691,139; Nov. 13.
- Seaholm, Ernest W., and H. J. Earl, assignors to General Motor Corporation, Detroit, Mich. Cowl for motor vehicles. Des. 74,393; Feb. 7.
- Seaholm, Ernest W., and H. J. Earl, assignors to General Motors Corporation, Detroit, Mich. Radiator shell. Des. 76,356; Sept. 18.
- Seaholm, Ernest W., and H. J. Earl, assignors to General Motors Corporation, Detroit, Mich. Motor-vehicle front assembly. Des. 76,428; Sept. 25.
- Seaholm, Ernest W., Highland Park, and G. E. Parker and E. K. Schadt, assignors to General Motors Corporation, Detroit, Mich. Combined tire carrier and lamp device for automobiles. 1,690,347; Nov. 6.
- Seaholm, John P., assignor to Moline Implement Company, Moline, Ill. Plow. 1,669,025; May 8.
- Seaholm, John P., assignor to Moline Implement Company, Moline, Ill. Cultivator shield. 1,674,666; June 26.
- Seaholm, Martin A., Chicago, Ill. Pump and motor. 1,678,831; July 31.
- Seale, Arthur M., assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y. Attachment for bottle-capping machines. 1,669,726; May 15.
- Sealed Containers Corporation. (See Jones, Ellis L., assignor.)
- Sealey, Ralph A., Newark, N. J. Rust prevention. 1,692,706; Nov. 20.
- Seals, Robert G., and E. N. C. Kuntz, St. Louis, Mo. Automobile front and end decoration. Des. 76,712; Oct. 23.
- Sealy Mattress Company of Minnesota. (See Olsen, Einar J., assignor.)
- Seaman Body Corporation. (See Hardtke, Edward J., assignor.)
- Seaman, David S., Providence, R. I. Method of and apparatus for spinning yarn. 1,678,919; July 31.
- Seaman, Howard C., New York, N. Y. Stocking. Des. 74,578; Feb. 28.
- Seaman, Walter, Auburn, Wash. Grading and dirt-transferring apparatus. 1,658,398; Feb. 7.
- Seaman, William A., Saginaw, Mich. Push-rod-operating mechanism. 1,696,866; Dec. 25.
- Searight, John R., Birmingham, Mich. Salt shaker. 1,682,804; Sept. 4.
- Searing, Hudson R. (See Boyle, W. E., and Searing.)
- Searing, Hudson R., New York, and E. Williams, Jackson Heights, assignors to Engineering Products Corporation, New York, N. Y. Preventing current leakage in electric cables. 1,670,218; May 15.
- Searle, Alfred J. (See Lockwood, D., and Searle.)
- Searle, Arthur L., Methuen, Mass. Combination saw and square. 1,658,175; Feb. 7.

- Searle, Charles A., Westfield, N. J. Silent bridge bidding board. 1,656,993; Jan. 24.
- Searle, Clarence C., et al. (See Searle, John C., sr., assignor.)
- Searle, Edward C., et al. (See Searle, John C., sr., assignor.)
- Searle, G. D. & Co. (See Kober, Philip A., assignor.)
- Searle, George S., Rochester, N. Y. Street-indicating device. 1,668,981; May 8.
- Searle, John C., jr., et al. (See Searle, John C., sr., assignor.)
- Searle, John C., sr., Honolulu, Hawaii, assignor of one-twentieth to J. C. Searle, jr., Los Angeles, Calif., one-twentieth to E. C. Searle, Hilo, one-twentieth to T. C. Searle, Honolulu, T. Hawaii, one-twentieth to M. C. Searle and one-twentieth to C. C. Searle, San Francisco, Calif. Soil irrigator. 1,660,891; Feb. 28.
- Searle, Melville C., et al. (See Searle, John C., sr., assignor.)
- Searle, Theodore C., et al. (See Searle, John C., sr., assignor.)
- Searles, Linn W. (See Gage, Charles H., assignor.)
- Searles, Volney A., Jackson, Mich., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Liquid-feeding device. 1,695,782; Dec. 18.
- Sears, Arthur D., Nashville, Tenn. Window shade. 1,692,707; Nov. 20.
- Sears, Horace H., New York, N. Y., assignor of one-half to E. F. Samuels. Form and reinforce for concrete beams. 1,673,955; June 19.
- Sears, Roebuck and Co. (See Caron, Arthur J., assignor.)
- Sears, Roebuck and Co. (See Fitch, C. M., and Moor, assignors.)
- Sears, Samuel V., Falls City, Nebr. Drill chuck. 1,660,360; Feb. 28.
- Sears, Sterling G., Brooklyn, assignor, by mesne assignments, to Naylor Radio Corporation, New York, N. Y. Contact-protecting means for vacuum tubes. 1,684,973; Sept. 18.
- Sears, Sydney L., North Arlington, N. J., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Bottle-making machine. 1,679,502; Aug. 7.
- Sears, Victor H., New York, N. Y. Artificial teeth. 1,681,436; Aug. 21.
- Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Drilling machine. 1,659,218; Feb. 14.
- Seaton, Hunley E., Los Angeles, Calif. Combined loose-leaf desk pad and calendar holder. Des. 75,658; June 26.
- Seattle-Astoria Iron Works. (See Russell, Clyde D., assignor.)
- Seattle Can Company. (See Ross, Victor G., assignor.)
- Seaver, Frank R., Pomona, Calif. Coding and decoding apparatus. 1,679,380; Aug. 7.
- Seaver, Samuel, Hailleybury, Ontario, Canada, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Handle attachment for drills. 1,667,271; Apr. 24.
- Sebell, Harry, Boston, Mass. Window-washing device. 1,661,236; Mar. 6.
- Sebell, Harry, Boston, Mass. Container. 1,666,221; Apr. 17.
- Sebenius, John A., Bremerton, Wash. Fish lure. 1,669,350; May 8.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerator, method of vulcanizing caoutchouc and product thereof. 1,676,838; July 10.
- Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing rubber. 1,679,548; Aug. 7.
- Sebrell, Lorin B., and J. Teppema, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Preparing thiazoles. 1,662,015; Mar. 6.
- Sebrell, Lorin B., and J. Teppema, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Preparing thiazoles. 1,669,630; May 15.
- Sebring, E. H., China Company, The. (See Sebring, Ellsworth H., assignor.)
- Sebring, Ellsworth H., assignor to The E. H. Sebring China Company, Sebring, Ohio. Square baker. Des. 75,988; Aug. 7.
- Sebring, Frank A., assignor to The Limoges China Company, Sebring, Ohio. Cup. Des. 75,525; June 12.
- Sebring, Frank A., assignor to The Limoges China Company, Sebring, Ohio. Plate or similar article. Des. 76,557; Oct. 9.
- Sebring, James A., assignor, by mesne assignments, to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Telescoping cabinet cover. 1,696,456; Dec. 25.
- Sebring Manufacturing Corporation, The. (See Watts, Verner, assignor.)
- Sebring Pottery Company, The. (See Burian, Jaroslava, assignor.)
- Seckel, Gerrit J., Enschede, Netherlands. Weaving textile fabrics. 1,684,564; Sept. 11.
- Seckler, Peter E., Tulsa, Okla. Pull-rod connection. 1,679,686; Aug. 7.
- Secretary of War of the United States of America. (See Brayton, Harold M., assignor.)
- Security Trust Company. (See Williams, Harvey D., assignor.)
- Sedberry, James B., Utica, N. Y. Grinding mill. 1,659,499; Feb. 14.
- Sederberg, Ludwig E., St. Paul, Minn. Cattle-stall bar. 1,692,470; Nov. 20.
- Sederholm, John E., assignor to American Hoist & Derrick Company, St. Paul, Minn. Loud speaker. Des. 76,263; Sept. 4.
- Sederholm, John E., assignor to American Hoist & Derrick Co., St. Paul, Minn. Hydraulic hoist. 1,690,181; Nov. 6.
- Sederholm, John E., assignor to American Hoist & Derrick Company, St. Paul, Minn. Electric rivet heater. 1,658,259; Feb. 7.
- Sederholm, John E., assignor to American Hoist & Derrick Company, St. Paul, Minn. Loud speaker. 1,695,126; Dec. 11.
- Sedgley, Reginald F., Philadelphia, Pa. Firearm. 1,664,049; Mar. 27.
- Sedita, Salvatore, Buffalo, N. Y. Washing machine. 1,686,259; Oct. 2.
- Sedlock, Joseph, and C. M. Steele, Negaunee, Mich. Combination hanger and rest for saxophones. 1,674,305; June 19.
- Sedwick, Mathew M., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Seaming head for can-closing machines. 1,695,210; Dec. 11.
- Sedwick, William A. (See McGee, Oscar P., assignor.)
- See, Adolf A., Lake Charles, La. Chair or similar article of furniture. Des. 76,337; Sept. 11.
- See, Oscar J., Peoria, Ill. Oil burner. 1,677,800; July 17.
- Seebach, Fritz, assignor to Bakelite Gesellschaft m. b. H., Erkner, near Berlin, Germany. Purifying phenolaldehyde resins. 1,681,368; Aug. 21.
- Seebach, Fritz, assignor to Bakelite Gesellschaft m. b. H., Erkner, near Berlin, Germany. Purifying phenolaldehyde resins. 1,681,369; Aug. 21.
- Seebach, Fritz, Gotha, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin-Charlottenburg, Germany. Artificial resin and making the same. 1,683,701; Sept. 11.
- Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschränkter Haftung, Berlin, Germany. Purifying phenol formaldehyde resins. 1,683,702; Sept. 11.
- Seeburg, Justus P. (See Landberg, Margot, assignor.)
- Seeburg, Justus P. (See Tenow, Olof A., assignor.)
- Seeburg, Justus P., Chicago, Ill. Organ cabinet. Des. 76,826; Nov. 6.
- Seederer, Jacob E., assignor to Seederer-Kohlbusch, Inc., Jersey City, N. J. Beam scale and method of adjusting. 1,672,735; June 5.
- Seederer-Kohlbusch, Inc. (See Seederer, Jacob E., assignor.)
- Seeger, Adolph M., Toledo, Ohio. Cross-arm mounting. 1,671,747; May 29.
- Seeger, Adolph M., assignor of one-half to J. S. MacLean, Toledo, Ohio. Hydrocarbon burner. 1,673,596; June 12.
- Seeger, Adolph M., assignor to The Seeger Device Company, Toledo, Ohio. Pushing and pulling tool. 1,681,370; Aug. 21.
- Seeger Device Company, The. (See Seeger, Adolph M., assignor.)
- Seeger, Edwin H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetic relay. 1,662,174; Mar. 13.
- Seeger, Edwin W., South Milwaukee, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric elevators. 1,664,269; Mar. 27.
- Seeger, Edwin W., South Milwaukee, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,680,478; Aug. 14.
- Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,685,464; Sept. 25.
- Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor starter. 1,686,772; Oct. 9.
- Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Protective circuit controller. 1,688,833; Oct. 23.
- Seeger, Gustave R. (See Seeger, Walter G. and G. R.)
- Seeger, John A., St. Paul, Minn., assignor to Seeger Refrigerator Company, Refrigerator. 1,657,487; Jan. 31.
- Seeger, Max H., Inglewood, Calif. Hair cleaner. 1,663,778; Mar. 27.
- Seeger Refrigerator Company, The. (See Anderson, Karl G., assignor.)
- Seeger Refrigerator Company. (See Schwarz, Emil P., assignor.)
- Seeger Refrigerator Company. (See Seeger, John A., assignor.)
- Seeger Refrigerator Company. (See Seeger, Walter and G. R., assignors.)
- Seeger Refrigerator Company. (See Swedman, Enoch, assignor.)
- Seeger, Walter G. and G. R., St. Paul, Minn., assignors to Seeger Refrigerator Company, Refrigerator. 1,684,716; Sept. 18.
- Seekamp, Herman D., St. Louis, Mo. Electrically-heated spark plug. 1,690,135; Nov. 6.
- Seel, Carl, St. Gall, Switzerland. Belt abrasive machine. 1,656,958; Jan. 24.
- Seel, Hans, Hopkinton, R. I. Lace. Des. 76,059; Aug. 14.
- Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Nonstatic photograph film and film base therefor. 1,687,041; Oct. 9.

- Seel, Paul C., assignor to Eastman Kodak Company. Rochester, N. Y. Antistatic photographic film and film base therefor. 1,687,042; Oct. 9.
- Seel, Reidar G., Chicago, Ill. Dispensing device for safety matches. 1,694,930; Dec. 11.
- Seelbach, K. C., Company. (See Ern, August F., assignor.)
- Seeley, Alfred, Rochdale, England. Slub catcher. 1,664,794; Apr. 3.
- Seeley, Clark, Otisville, Mich. Combined putty knife and paint hook. 1,664,902; Apr. 3.
- Seeley, George A., Irvington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Severing apparatus. 1,656,243; Jan. 17.
- Seeley, Harold T. (See Bany, H., and Seeley.)
- Seeley, Harold T., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,666,471; Apr. 17.
- Seelhoff, Robert G., Chicago, Ill. Valance. Des. 75,389; May 29.
- Seely, Thomas H. (See Ballard, M. H., and Seely.)
- Seely, Thomas H. (See Brock, M., and Seely.)
- Seely, Thomas H., Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,688,663; Oct. 23.
- Seely, Thomas H., and L. W. Rollins, Malden, Mass., assignors to United Shoe Repairing Machine Company, Portland, Me. Shaping and testing device for awls. 1,602,905; Mar. 20.
- See-More Automatic Signal Light Co. (See Miller, James M., assignor.)
- Seewald, Otto. (See Frieser, L., and Seewald.)
- Seewer, Paul W., assignor to The English Electric Company Limited, London, England. Hydraulically-actuated device. 1,670,786; May 22.
- Segal, Alter, Philadelphia, Pa. Apron-fastening device. 1,657,868; Jan. 31.
- Segal, Irving H., Detroit, Mich. Finger ring. Des. 76,763; Oct. 30.
- Segal Lock & Hardware Co. (See Segal, Samuel, assignor.)
- Segal Lock & Hardware Co. Inc. (See Dowling, Francis J., assignor.)
- Segal Lock & Hardware Co., Inc. (See Segal, Samuel, assignor.)
- Segal, Samuel, New York, N. Y. Lock. 1,659,169; Feb. 14.
- Segal, Samuel, New York, N. Y. Tweezers. 1,667,170; Apr. 24.
- Segal, Samuel, assignor to Segal Lock & Hardware Co. Inc., New York, N. Y. Sash fastener. 1,677,300; July 17.
- Segal, Samuel, assignor to Segal Lock & Hardware Co., Inc., New York, N. Y. Lock. 1,689,804; Oct. 30.
- Segeler, John C., Chicago, Ill. Shock absorber and the like. 1,692,227; Nov. 20.
- Segelken, Herbert C., Phenicia, N. Y. Gasoline-hose nozzle. 1,660,627; Feb. 28.
- Seghers, Emiel P., Chicago, Ill. Rat trap. 1,671,258; May 29.
- Seghers, Emiel P., Chicago, Ill. Valve-stem cover. 1,676,578; July 10.
- Seghers, Emiel P., Chicago, Ill. Tire deflater. 1,677,301; July 17.
- Seghers, Emiel P., Chicago, Ill. Trap. 1,678,168; July 24.
- Segoria, Martin, Vallejo, Calif. Treating leather. 1,696,867; Dec. 25.
- Segrave, Henry O. D., London, England. Automobile body. Des. 75,659; June 26.
- Seguchi, Hiromu, Horigai, Taichu-Shu, Taiwan, Japan. Beating of bagasse for the imbibition of same in cane-sugar-making industry. 1,663,418; Mar. 20.
- Segur, Asa B. (See Segur Harvey and A. B.)
- Segur, Asa B., Oak Park, assignor to Tite-Pack Filler Company, Chicago, Ill. Egg-case filler and making filler. 1,675,278; June 26.
- Segur, Harvey, Chicago, and A. B. Segur, Oak Park, assignor to Tite-Pack Filler Company, Chicago, Ill. Egg-case-filler machine. 1,675,279; June 26.
- Seguy, Jean D. (See Henny, V., and Seguy.)
- Seibach, Albert E., assignor to Albert Pick & Company, Chicago, Ill. Goblet. Des. 74,322; Jan. 24.
- Sehn, Albert P. (See Sehn, Peter J., A. P., and E. J.)
- Sehn, Edward J. (See Sehn, Peter J., A. P., and E. J.)
- Sehn, Peter J., A. P., and E. J. Johnstown, Pa. Splice bar for rails. 1,660,628; Feb. 28.
- Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,659,170; Feb. 14.
- Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,689,058; Oct. 23.
- Seiberling, Frank A., Akron, Ohio, assignor to Seiberling Rubber Company. Vehicle tire. 1,670,827; May 22.
- Seiberling Rubber Company. (See Hartong, Robert C., assignor.)
- Seiberling Rubber Company. (See Kilborn, Karl B., assignor.)
- Seiberling Rubber Company. (See Kovacs, Frank, assignor.)
- Seiberling Rubber Company. (See Seiberling, Frank A., assignor.)
- Seiberling Rubber Company. (See Walter, H. A., and Crossan, assignors.)
- Seibert, Joseph A., Camden, N. J. Lavatory fixture. 1,669,026; May 8.
- Seibt, Georg, Berlin-Schoneberg, Germany. Telephone transmission. 1,656,609; Jan. 17.
- Seibt, Georg, Berlin-Schoneberg, Germany. Electric discharge tube. 1,696,103; Dec. 18.
- Seidel, Fred C., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Knock-out means for presses. 1,674,925; June 26.
- Seidel, Joseph F., Euclid, Ohio. Thermostatically-controlled electric circuits. 1,691,448; Nov. 13.
- Seidel, Walter, Leverkusen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Crystallization apparatus. 1,679,055; July 31.
- Seidlinger, Robie, Philadelphia, Pa. Signal means for typewriters. 1,695,392; Dec. 18.
- Seidell, Alfred P., Bloomfield, N. J. Arm for electric chandeliers. Des. 75,592; June 19.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate or article of analogous nature. Des. 74,949; Apr. 17.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate or article of analogous nature. Des. 74,950; Apr. 17.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate or article of analogous nature. Des. 74,951; Apr. 17.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate or article of analogous nature. Des. 74,952; Apr. 17.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture backplate or article of analogous nature. Des. 74,953; Apr. 17.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture strap or article of analogous nature. Des. 76,060; Aug. 14.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Lighting-fixture plate or article of analogous nature. Des. 76,061; Aug. 14.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Arm for wall brackets or the like. Des. 76,207; Aug. 28.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Arm for wall brackets or the like. Des. 76,264; Sept. 4.
- Seidell, Alfred P., Bloomfield, N. J., assignor to Murlin Manufacturing Company, Incorporated, Philadelphia, Pa. Lantern. Des. 77,130; Dec. 4.
- Seidell, Le Roy, and G. B. Jack, Jr., New York, assignors to Jaton Manufacturing Corporation, Brooklyn, N. Y. Waterproof fabric. 1,676,362; July 10.
- Seidell, Le Roy, and G. B. Jack, Jr., New York, assignors to Jaton Manufacturing Corporation, Brooklyn, N. Y. Impregnating machine and process. 1,676,363; July 10.
- Seides, Samuel, New York, N. Y. Badge. Des. 76,764; Oct. 30.
- Seidl, Hubert, Oberhausen, Germany, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Boiler furnace. 1,657,845; Jan. 31.
- Seidl, Hubert, Oberhausen, Germany, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. 1,659,376; Feb. 14.
- Seifert, Charles H., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Casing. 1,695,298; Dec. 18.
- Seifert, George W. T., Cairo, Ill. Combined purifier and aspirator for middlings. 1,667,054; Apr. 24.
- Seifert, John O. (See Bouchery, August, assignor.)
- Seifert, John O., Auburndale-Flushing, N. Y. Match book and making the same. 1,694,799; Dec. 11.
- Seifert, Kurt, Los Angeles, Calif. Multiplication device. 1,687,182; Oct. 9.
- Seifert, Franz, & Co., Aktiengesellschaft. (See Fröb, Walther, assignor.)
- Seiffert, Otto E., Irvington, assignor to Crocker-Wheeler Electric Manufacturing Company, Ampere, N. J. Sheet-metal spool. 1,658,009; Jan. 31.
- Seifert, John W., assignor to National Laundry Machine Co. Inc., Houston, Tex. Drying tumbler. 1,655,514; Jan. 10.
- Seigel, Irving. (See Haller, George N., assignor.)
- Seigle, Peter G. (See Iaines, Winfield S., assignor.)
- Seigle, William R., assignor to Johns-Manville Corporation, New York, N. Y. Composite sheet material. 1,690,079; Oct. 30.
- Seikman, Edward, Chikaskia Township, Kingman County, Kans. Poultry feeder. 1,672,043; June 5.
- Seller, Michael I., Millersburg, Pa. Expandable reamer. 1,654,610; Jan. 3.
- Seilkoff and Schapiro, Inc. (See Bock, Leon, assignor.)
- Seinsheimer Paper Company, The. (See Johnson, Samuel J., assignor.)
- Seiple, Torrence R. (See Stevens, W. E., and Seiple.)
- Seiss, George J., Toledo, Ohio. Automobile horn. 1,679,745; Aug. 7.
- Seitz, Charles F., assignor of one-third to F. Nichols and one-third to F. A. Adkins, Kansas City, Mo. Automatic crossing barrier. 1,671,875; May 29.
- Seitz, John F., Hollywood, Calif. Making motion-picture films. Rel. 7,125; Nov. 6.

- Seitz, Julius E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing indigo white. 1,657,869; Jan. 31.
- Seitz, Lee A., and H. M. Hawkins, Tulsa, Okla. Truck brake. 1,660,098; Feb. 21.
- Seitz, Oskar, assignor to Brown, Boveri & Cie. Baden, Switzerland. Mercury-vapor rectifier. 1,682,428; Aug. 28.
- Seitz, Theobald F., assignor The Corporation of Seitz-Werke G. m. b. H., Kreuznach, Germany. Bottle sterilizing and cleansing apparatus. 1,695,212; Dec. 11.
- Seitz-Werke G. m. b. H. (See Seitz, Theobald F., assignor.)
- Seitz-Werke G. m. b. H. (See Weil, Friedrich H., assignor.)
- Seitz, Xaver, Emmishofen, Switzerland. Folding hood for carriage bodies. 1,689,896; Oct. 30.
- Seitzinger, William M., assignor, by mesne assignments, to Marshall Field & Company, Chicago, Ill. Slitting device for bag-making machines. 1,688,091; Oct. 16.
- Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Induction-motor-control system. 1,670,081; May 15.
- Sekulich, George, New York, N. Y. Hair clipper. 1,673,643; June 12.
- Sekyer, Carl P., Montreal, Quebec, Canada. Sash fastener. 1,668,945; Apr. 24.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Container cover. 1,661,199; Mar. 6.
- Selah, Howard A., Homewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fitting for tubular switchboards. 1,678,879; July 31.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Container-cover construction. 1,682,194; Aug. 28.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,683,413; Sept. 4.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,683,414; Sept. 4.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,683,415; Sept. 4.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,683,416; Sept. 4.
- Selah, Howard A., assignor to Erie Malleable Iron Company, Erie, Pa. Conduit fitting. 1,691,255; Nov. 13.
- Selb, John J. (See Abramowitz, Joseph, assignor.)
- Selbec, Inc. (See Peebles, George, assignor.)
- Selden Company, The. (See Andrews, Chester E., assignor.)
- Selden Company, The. (See Cannon, F. A., and Andrews, assignors.)
- Selden Company, The. (See Conover, Courtney, assignor.)
- Selden Company, The. (See Deutsch, L., and Thorn, assignors.)
- Selden Company, The. (See Jaeger, Alphons O., assignor.)
- Selden Company, The. (See Jaeger, A. O., and Bertsch, assignors.)
- Selden, James M. (See Crabb, Silas F., assignor.)
- Selden Research & Engineering Corporation, The. (See Jaeger, Alphons O., assignor.)
- Selectasine System. (See Beck, Roy C., assignor.)
- Selective Automatic Manufacturing Corporation. (See Cutler, William C., assignor.)
- Selective Treatment Company Limited. (See Dolbear, Samuel H., assignor.)
- Selector Corporation. (See Wurzbach, H. E., and Wadsworth, assignors.)
- Selecto-Scarf Corporation. (See Semmel, Samuel, assignor.)
- Self Seal Pressure Cooker Co. (See Vischer, Alfred, jr., assignor.)
- Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)
- Seligman & Latz. (See Latz, Edwin K., assignor.)
- Selin, Charles H., Brooklyn, N. Y. Snow and street cleaning shovel. 1,683,732; Sept. 11.
- Sell-Best Novelty Candy Co. Inc. (See Freedman, William M., assignor.)
- Sell, Helmut, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin and elsewhere, Germany. Aural telephone system. 1,689,692; Oct. 30.
- Sell, Holman L., Littlestown, Pa. Canned-corn shaker. 1,655,340; Jan. 3.
- Sell, Johann C., Detroit, Mich. Tractor-wheel clamp. 1,679,381; Aug. 7.
- Selle, Herbert L., Waco, Tex. Signboard. Des. 74,764; Mar. 20.
- Sellers, G. L., & Sons Company. (See Holtsclaw, Oren E., assignor.)
- Sellers, William, & Company. (See Kneass, S. L., and Pedrick, assignors.)
- Selliez, Victor, St.-Ghislain, Belgium. Tunnel kiln for ceramic industry. 1,683,309; Sept. 4.
- Sells, Ogden S., assignor to Sprague-Sells Corporation, Hoopston, Ill. Separating thistle buds from peas. 1,683,703; Sept. 11.
- Sellstrom, Gust E. (See Peterson, Gust A., assignor.)
- Sels, Hollis K. (See Evans, B. D., and Sels.)
- Selva, James, New York, N. Y. Dancing slipper. 1,655,198; Jan. 3.
- Selvig, Gustaf A., assignor, by mesne assignments, to Northern Equipment and Supply Company, Minneapolis, Minn. Cover holder. 1,682,805; Sept. 4.
- Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-reeling apparatus. 1,672,784; June 5.
- Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Serving mechanism. 1,672,991; June 12.
- Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-reeling apparatus. 1,673,887; June 19.
- Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-unwinding device. 1,677,217; July 17.
- Selvig, John N., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-spooling mechanism. 1,678,710; July 31.
- Selway, Edward B., Leetsdale, Pa. Studding for building structures. 1,685,247; Sept. 25.
- Semashko, John J., Morrisville, Pa. Tile-receiving machine. 1,661,969; Mar. 6.
- Sémat, Laurent, Paris, France. System of picture transmission. 1,673,209; June 12.
- Seme, John J., Lakewood, Ohio. Shears. 1,656,923; Jan. 24.
- Semel, Louis B., New York, N. Y. Seam-pressing machine. 1,686,933; Oct. 9.
- Semenov, Ivan A., Pilsen, Czechoslovakia. Apparatus for pressing together the edges of tubes. 1,676,361; July 10.
- Semenov, Iwan A., Plzen, Czechoslovakia. Cigarette-making machine. 1,668,610; May 8.
- Semet-Solvay Engineering Corporation. (See Steere, G. R., and Hurst, assignors.)
- Semler, Clyde M., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-repair patch. 1,692,054; Nov. 20.
- Semler, Harry. (See Cremer, Leonard A., assignor.)
- Semmel, Samuel, Bronx, assignor to Selecto-Scarf Corporation, New York, N. Y. One-piece adjustable tie. 1,659,667; Feb. 21.
- Semmens, Elmer H., Seattle, Wash. Safety-latch split electrical plug. 1,671,550; May 29.
- Semmler, Frank, West Allis, Wis. Line-tightening tool. 1,663,182; Mar. 20.
- Semple, Charles H., Youngstown, assignor to Semple-Lee Processes, Inc., Akron, Ohio. Making the joints of inner tubes. 1,674,526; June 19.
- Semple, Charles H., Youngstown, assignor to Semple-Lee Processes, Inc., Akron, Ohio. Cooling apparatus for rubber tubing. 1,674,574; June 19.
- Semple-Lee Processes, Inc. (See Semple, Charles H., assignor.)
- Seneca Falls Machine Co. (See Ashton, Richard, A., assignor.)
- Seneca Falls Machine Company. (See King, Nathaniel, assignor.)
- Seneca Glass Co. (See Phillips, Charles H. jr., assignor.)
- Senesac, Telephone J., Chicago, Ill. Concrete form. 1,655,629; Jan. 10.
- Senesac, Telephone J., Chicago, Ill. Concrete form. 1,696,694; Dec. 25.
- Senesac, Telephone J., Chicago, Ill. Anchor for floor sleepers. 1,696,695; Dec. 25.
- Senft, John, York, assignor to United States Chain and Forging Company, Pittsburgh, Pa. Electric chain welder. 1,688,883; Oct. 23.
- Seng Company, The. (See Dyke, Darrell F., assignor.)
- Seng Company, The. (See Fox, Martin, assignor.)
- Seng Company, The. (See Lamb, Charles I., assignor.)
- Seng, Manfred, Berlin, Germany, and A. G. M. Michell, Melbourne, Victoria, Australia, assignors to Michell-Crankless Engines Corporation, New York, N. Y. Super-charger internal-combustion engine and method of supercharging. 1,690,080; Oct. 30.
- Seng, Raymond P. L., Paris, France. Double-acting latch. 1,675,579; July 3.
- Seng, Wendelin P., Wilmette, Ill. Steering wheel and ignition lock. 1,661,447; Mar. 6.
- Seng, Wendelin P., Wilmette, Ill. Steering wheel. 1,672,137; June 5.
- Sengebusch, Hans, Villa Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic switch. 1,675,311; June 26.
- Sengebusch, Hans, assignor to Automatic Electric Inc., Chicago, Ill. Switching mechanism. 1,691,256; Nov. 13.
- Senger, Albert C., Hamilton, Ohio. Tire-changing apparatus. 1,677,052; July 10.
- Senger, John W., J. Reed, and T. E. Moorhead, Cleveland, Ohio. Electric lamp. 1,689,457; Oct. 30.
- Sennet, Mack, Inc. (See Guerin, Paul, assignor.)
- Sennet, Mack, Inc. (See Crockett, Ernest J., assignor.)
- Senobe, Axel E., Negaunee, Mich. Telegraph transmitter. 1,657,095; Jan. 24.
- Sensui, Nobuo, Kanagawaken, Japan, assignor to General Electric Company. Protective arrangement. 1,694,986; Dec. 11.
- Sentell, C. Frank. (See Morris, Andrew P., assignor.)
- Senter, Frank G., Portland, Me. Compass bubble box. 1,668,425; May 1.
- Sentinel Mfg. Co., The. (See Tyler, Victor M., assignor.)
- "Sentinel" Wagon Works (1920) Limited, The. (See Alley, S. E., and Huff, assignors.)
- Sentrop, Johannes T., Grand Rapids, Mich. Building block. 1,661,739; Mar. 6.
- Sentry Safety Control Corporation. (See Feeney, T. L., and Godoy, assignors.)
- Senz, John P., assignor to The Perfection Metal Container Company, Cleveland, Ohio. Metal container. 1,663,570; Mar. 27.

- Septon, James H., Hamilton, Ontario, assignor to The Dominion Glass Company, Limited, Montreal, Canada. Bottle manufacture. 1,668,427; May 1.
- Sepon, John, Chelsea, Mass. Toy vehicle. 1,676,839; July 10.
- Sereff, Peter H., Lima, Ohio. Reinforced supporting member. 1,675,768; July 3.
- Sergeant, Walter H., Middletown N. Y., assignor to Ideal Wrapping Machine Company. Scoring device for caramel-wrapping machines. 1,669,727; May 15.
- Sergeson, Charles H., Philadelphia, Pa. Adjustable tension guide for shuttles. 1,656,761; Jan. 17.
- Serino, Antonio D., South Boston, Mass. Shoe. Des. 75,390; May 29.
- Serpas, Ernest J., New Orleans, La. Regulating apparatus. 1,677,992; July 24.
- Serpas, Ernest J., New Orleans, La. Joint. 1,692,708; Nov. 20.
- Serpas, Ernest J., assignor of two-fifths to J. S. Waterman, jr., New Orleans, La. Automatic lubricating mechanism. Re17,073; Aug. 28.
- Serpas, Ernest J., assignor of two-fifths to J. S. Waterman, jr., New Orleans, La. Automatic lubricating mechanism. 1,669,351; May 8.
- Serra, Luigi, Rome, Italy. Bearing device for rails on sleepers of reinforced cement. 1,639,754; Oct. 30.
- Serva, Adam A., assignor to The United Electric Company, Canton, Ohio. Attachment for vacuum cleaners. 1,673,920; June 19.
- Serva, Adam A., assignor to The United Electric Company, Canton, Ohio. Brush and handle for vacuum cleaners. 1,686,934; Oct. 9.
- Serva, Adam A., Canton, and D. H. Friend, North Industry, assignors to The United Electric Company, Canton, Ohio. Dust collector. 1,672,001; June 5.
- Servel, Inc. (See Denny, James H., assignor.)
- Service Bureau Inc. (See Dawson, George H., assignor.)
- Service Equipment Co. (See Farley, George E., assignor.)
- Service Station Equipment Company. (See Manson, Thomas M., assignor.)
- Servidor Co., The. (See Matchette, Frank J., assignor.)
- Servo-Frein Dewandre Société Anonyme. (See Dewandre, Albert, assignor.)
- Servo-Paper Corporation. (See Morris, Elmer C., assignor.)
- Sesam Aktiebolag. (See Lundberg, Elov K. H., assignor.)
- Sesame Company, The. (See Hatch, Alexander G., assignor.)
- Sesame Company, The. (See Wildrick, Meade, assignor.)
- Sesella, Frank J., Lorain, Ohio. Radius rod. 1,663,426; May 1.
- Sessinghaus, Johannes, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Instrument-transformer mounting. 1,695,864; Dec. 18.
- Sessions, Charles R., San Francisco, Calif., assignor of one-half to J. A. Dent, Lawrence, Kans. Critical-speed control. 1,677,496; July 17.
- Sessions, Frank L., Lakewood, Ohio. Electric welding machine. 1,661,970; Mar. 6.
- Sessions, William K., Bristol, Conn. Clock case. Des. 75,078; May 1.
- Sessler, Eugene, Chicago, Ill. Arch support. 1,667,859; Apr. 24.
- Sestito, Joseph A., New York, N. Y. Spring shoe. 1,670,747; May 22.
- Sether, Alvin, Chippewa Falls, Wis. Rack or holder for paper bags. 1,666,355; Apr. 17.
- Sether, Just H., Jackson, Mich. Wagon-tractor hitch. 1,693,673; Dec. 4.
- Setright, Henry R., Newtown, New South Wales, Australia. Ticket printing and issuing machine. 1,663,467; Mar. 20.
- Setter, George P. (See Bourke, T. B., and Setter.)
- Settle, Douglas, San Diego, Calif. Key container. 1,679,274; July 31.
- Settle, Homer L., Payette, Idaho. Honeycomb foundation. 1,672,853; June 5.
- Settles, Simon G., assignor to H. W. Barden, Seattle, Wash. Sink strainer. 1,696,505; Dec. 25.
- Settrini, B. S., et al. (See Mayers, Alfred C., assignor.)
- Setz, Bertha E., administratrix. (See Setz, Hans R.)
- Setz, Hans R., deceased, Highland Park, Pa.; B. E. Setz, administratrix. Scavenging port for internal-combustion engines. 1,656,762; Jan. 17.
- Setzefant, Charles, Modesto, Calif. Electric heating system for oil pipe lines. 1,661,683; Mar. 6.
- Setzer, Rudolf, Munich-Trudering, Germany. Device relating to ring spinning and twisting. 1,665,422; Apr. 10.
- Seveke, William E., Maywood, Nebr. Windshield wiper. 1,658,101; Feb. 7.
- Severns, Clayton, and J. N. Hicks, Los Angeles, Calif. Oil saver. 1,683,107; Sept. 4.
- Severns, Ray W., and E. W. Tiemeyer, Lima, Ohio. Sign. 1,675,580; July 3.
- Severns, Thomas, Lour Ranch, and R. R. Hall, Los Angeles, Calif. Polish-rod clamp. 1,664,709; Apr. 3.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Boring head. 1,660,361; Feb. 28.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Method of and machine for grinding fine tooth hobs. 1,662,078; Mar. 13.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Machine for grinding hob and disk cutters. 1,662,079; Mar. 13.
- Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Cutter for planing gear teeth. 1,689,973; Oct. 30.
- Sevier, Victor N., and J. O. Hayes, Dinuba, Calif. Gas engine. 1,659,500; Feb. 14.
- Sévié, Henri A., Winthrop, assignor to National Bread Wrapping Machine Company, Boston, Mass. Wrapping machine. 1,655,632; Jan. 10.
- Sévié, Henri A., Winthrop, assignor to National Bread Wrapping Machine Company, Boston, Mass. Machine for wrapping and sealing articles. 1,655,634; Jan. 10.
- Sévié, Henri A., Winthrop, Mass., and E. E. Poulin, assignors to National Bread Wrapping Machine Company, Nashua, N. H. Wrapping machine. 1,655,630; Jan. 10.
- Seville Studios, Incorporated. (See Terr, Joseph, assignor.)
- Sewall, Frank J., Columbiana, Ohio. Educational device. 1,683,733; Sept. 11.
- Seward, Edwin C. (See Alexander, Earl S., and C. Z., assignors.)
- Seward, Roy R., and J. A. Booe, Indianapolis, Ind. Clip for securing wood to iron beams. 1,696,104; Dec. 18.
- Seward, Thomas J., et al. (See Bankwitz, Frederick E., assignor.)
- Seward Trunk and Bag Company. (See McKenney, Charles S., assignor.)
- Sewell, Albert G., West Scarborough, Me., assignor to Garland Manufacturing Company. Soft-face hammer. 1,674,999; June 26.
- Sewell, Benjamin F. B., Chula, Va. Reclining mat. 1,696,362; Dec. 25.
- Sewell, Cyrus G., Abilene, Tex. Laundry-sorting apparatus. 1,686,471; Oct. 2.
- Sewell, Wilbur S., assignor to Strong-Scott Manufacturing Co., Minneapolis, Minn. Air-controlled purifier. 1,686,107; Oct. 2.
- Sexton, Augustus H., assignor to Magic Hair Curler Company, Philadelphia, Pa. Producing a permanent wave. 1,673,022; June 12.
- Sexton, John R., La Junta, Colo. Hub liner. 1,662,441; Mar. 13.
- Sexton, Thomas D. (See Harrison, Arthur W., assignor.)
- Seybold, Charles, assignor to The Harris-Seybold-Potter Company, Dayton, Ohio. Clamp for paper-cutting machines. 1,657,282; Jan. 24.
- Seybold, Christian, Duren, and J. Boltersdorf, Kreuzau, near Duren, Germany. Paper-making machine. 1,666,472; Apr. 17.
- Seybold, Jeannette M., et al. (See Auble, James L., assignor.)
- Seydel, Herman, Jersey City, N. J. Benzoic-acid salt of amino benzoic esters. 1,690,705; Nov. 6.
- Seydel, Karl. (See Schmidt, O., Seydel, and Feller.)
- Seyer, Humboldt M. (See Astley, Edward F., assignor.)
- Seyffert, Eugene, Berlin-Waldmannslust, assignor, by mesne assignments to the firm Fulmit G. m. b. H., Mehlem-on-the-Rhein, Germany. Drying and extracting gases from metallic powders. 1,674,230; June 19.
- Seyler, Carl P., Pittsburgh, Pa. Insulator pin. 1,690,596; Nov. 6.
- Seyler, Carl P., Pittsburgh, Pa. Anchor device. 1,690,597; Nov. 6.
- Seyler, Ernest A. (See Austin, John A., assignor.)
- Seymour, Benjamin F., Washington, D. C. Suspension for vehicle bodies. 1,679,840; Aug. 7.
- Seymour, Burton W., sr., Jamestown, N. Y. Steamer for oil wells. 1,661,971; Mar. 6.
- Seymour, Charles R., assignor to M. D. Knowlton Company, Rochester, N. Y. Slotting machine. 1,670,317; May 22.
- Seymour, Clarence E. and J. D., and P. C. Davis, Mansfield, Ohio. Door and window casing construction. 1,689,897; Oct. 30.
- Seymour, Francis, Newark, N. J. Machine for printing photographs. 1,669,027; May 8.
- Seymour, Joseph D. (See Seymour, Clarence and J. D., and Davis.)
- Seymour, Julius H., and T. S. Spear, Bartow, Fla.: said Seymour, assignor to said Spear. Thrust bearing. 1,676,219; July 3.
- Seymour, Julius H., and T. S. Spear, Bartow, Fla.: said Seymour assignor to said Spear. Thrust bearing. 1,676,220; July 3.
- Seymour, Julius H., and T. S. Spear, Bartow, Fla.: said Seymour assignor to said Spear. Thrust bearing. 1,676,221; July 3.
- Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographic color processes. 1,689,258; Oct. 30.
- Seymour, Ralph C., Short Hills, N. J. Printing press. 1,677,931; July 24.
- Seymour, William, Paterson, N. J. Mixing device. 1,679,177; July 31.
- Szcer, Humboldt M. (See Astley, Edward F., assignor.)
- Sferlazzo, Filippo, Newark, N. J. Brush-operating apparatus. 1,657,229; Jan. 24.
- Shackelford, Edward H., jr., assignor to Hebbard Manufacturing Company, Joplin, Mo. Flotation machine. 1,673,087; July 24.

- Shackleton, George W., assignor to George Hattersley and Sons Limited, Keighley, England. Weft stop mechanism for looms. 1,654,997; Jan. 3.
- Shackleton, Samuel P., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Grid circuits of electron tubes. 1,671,130; May 29.
- Shackleton, Samuel P., Wyoming, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,672,957; June 12.
- Shackleton, Samuel P., Wyoming, and A. A. Hansen, West Orange, N. J., assignors to American Telephone and Telegraph Company. Relaying arrangement. 1,692,907; Nov. 27.
- Shackleton, William, et al. (See Gartner, John H., assignor.)
- Shackleton, William. (See Hammond, Cecil F., assignor.)
- Shackleton, William. (See Hammond, C. F., and Shackleton.)
- Shackleton, William J., Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Impedance-measuring bridge. 1,695,032; Dec. 11.
- Shadberg Company. (See Vawter, John M., assignor.)
- Shaddon, Charles J., Loup City, Nebr. Hose coupling. 1,657,488; Jan. 31.
- Shadid, Elias A., Mangum, Okla. Oil drainer and cleaner. 1,661,972; Mar. 6.
- Shadrick, Richard H., assignor to A. E. Carlsen, Minneapolis, Minn. Thermostatic cut-out for gas valves. 1,678,169; July 24.
- Shaffer, Craig R. (See Sheaffer, Walter A. and C. R.)
- Shaffer, Jacob H., Brooklyn, N. Y. Tag or similar article. Des. 76,056; Aug. 14.
- Shafer, Carl R., Detroit, Mich., assignor to Box Patents Corporation, Bordentown, N. J. Box construction. Re16,936; Apr. 17.
- Shafer, Claude, Cincinnati, Ohio. Vacuum bottle. Des. 75,191; May 15.
- Shafer, Edward C., Santa Monica, Calif. Table. 1,672,100; June 5.
- Shafer, Flora M., Albany, N. Y. Infant-napkin protector. 1,680,178; Aug. 7.
- Shafer, Harvey G., Indianapolis, Ind. Gear grinder. 1,655,921; Jan. 10.
- Shafer, Ira, San Diego, Calif. Candy-coating machine. 1,657,592; Jan. 31.
- Shafer, John L., Joplin, Mo. Pump packing. 1,660,302; Feb. 21.
- Shafer, Lincoln M., Jersey City, N. J., assignor to Tower Manufacturing Co., Inc. Sulphur dyestuff. 1,675,430; July 3.
- Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Mechanism for timing the operations of concrete-mixing and other machines. 1,675,733; July 3.
- Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Concrete-mixing machine. 1,683,417; Sept. 4.
- Shafer, William G., Los Angeles, Calif. Mountain ride. 1,670,992; May 22.
- Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Governor for pressure-fluid-operated tools. 1,670,318; May 22.
- Shaff, Ernest H., assignor to Wm. H. Keller, Inc., Grand Haven, Mich. Chisel and piston retainer. 1,680,644; Aug. 14.
- Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Tool-retaining device. 1,693,872; Dec. 4.
- Shaffer, Ernest J., Tulsa, Okla. Spider for sucker rods and the like. 1,684,974; Sept. 18.
- Shaffer, Ernest J., Tulsa, Okla. Pick-up iron. 1,687,520; Oct. 16.
- Shaffer, Glenn A., and F. H. Wirtz, assignors to Fort Howard Paper Company, Green Bay, Wis. Folded sheet and folding the same. 1,663,391; Mar. 20.
- Shaffer, Glenn A., and F. H. Wirtz, assignors to Fort Howard Paper Company, Green Bay, Wis. Folded napkin and package. 1,672,658; June 5.
- Shaffer, John C., and L. S. Mankin, assignors to Tulsa Valve Company, Tulsa, Okla. Pumping apparatus. 1,657,593; Jan. 31.
- Shaffer, John C., Tulsa, and L. S. Mankin, Duncan, Okla. Gauge cock. 1,661,973; Mar. 6.
- Shaffer, Larkin R., Garland, Utah. Switch stand. 1,657,689; Jan. 31.
- Shaffer, Layton S., assignor to The Byers Machine Company, Ravenna, Ohio. Portable crane. 1,696,174; Dec. 18.
- Shaffer, R. H., et al. (See Pangborn, Redmond H., assignor.)
- Shaffer, Wallace E., Denver, Colo. Gauge cock. 1,660,629; Feb. 28.
- Shaffer, Wallace E., Orchard, Colo. Gauge cock. 1,660,630; Feb. 28.
- Shaffer, William D., Brea, assignor of one-third to E. J. Williams, Whittier, and one-third to G. S. Fosnaugh, Compton, Calif. Oil-well packing head. 1,692,582; Nov. 20.
- Shafra, Philip F. (See Kleinman, J., and Shafra.)
- Shaft-Pierce Shoe Company. (See Shaft, Willis S., assignor.)
- Shaft, Willis S., Faribault, Minn. Shade. 1,663,819; Mar. 27.
- Shaft, Willis S., assignor to Shaft-Pierce Shoe Company, Faribault, Minn. Attaching shoe buckles. 1,679,637; Aug. 7.
- Shahpar, Ahmad N., Highland Park, Mich. Differential driving arrangement. 1,679,098; July 31.
- Shakeproof Lock Washer Company, Incorporated, Division of Illinois Tool Works. (See Hosking, Richard T., assignor.)
- Shakeproof Lock Washer Company, Incorporated, Division of Illinois Tool Works. (See Olson, Carl G., assignor.)
- Shakeproof Lock Washer, Incorporated. (See Richer, Joseph R., assignor.)
- Shakeshaft, Arthur T. (See Young, H. A., and Shakeshaft.)
- Shakeshaft, Frederick W., Rochester, N. Y. Combination gauge for mechanics. 1,682,310; Aug. 28.
- Shakespeare Company. (See Russell, Samuel G., assignor.)
- Shakespeare Company. (See Russell, S. G., and Workman, assignors.)
- Shakespeare Company. (See Shakespeare, William, jr., assignor.)
- Shakespeare, William, jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,674,744; June 26.
- Shalansky, Morris, Indianapolis, Ind. Register filter. 1,679,507; Aug. 7.
- Shaler Company, The. (See Faber, Merle E., assignor.)
- Shalkhauser, Eric G., Peoria, Ill. Combined radiator, lamp casing, and hood for motor vehicles. Des. 75,877; July 24.
- Shalkhauser, Eric G., Peoria, Ill. Radiodial. 1,673,888; June 19.
- Shallcross Company, The. (See Patnaude, William E., assignor.)
- Shallcross Company, The. (See Shallcross, Herbert L., assignor.)
- Shallcross, Herbert L., Collingdale, assignor to The Shallcross Company, Philadelphia, Pa. Stencil sheet. 1,674,611; June 19.
- Shallcross, Herbert L., Philadelphia, Pa. Valve. 1,689,974; Oct. 30.
- Shambaugh, Isaac H., Avilla, Ind. Clothes rack. 1,671,748; May 29.
- Shamberger, Robert L., et al., trustees. (See Rodgers, William W., assignor.)
- Shamberger, William J., et al., trustees. (See Rodgers, William W., assignor.)
- Shambow Shuttle Company. (See Benoit, Ovila J., assignor.)
- Shanaberger, Charles W., Johnstown, assignor to J. C. Platz, trustee, Pittsburgh, Pa. Conveyor. 1,680,695; Aug. 14.
- Shanahan, Michael A., Libby, Mont. Ventilating means for boots and shoes. 1,696,457; Dec. 25.
- Shanck, Roy B. (See Branson, D. E., and Shanck.)
- Shand, Errol B. (See Evans, R. D., Wagner, Dovjikov, and Shand.)
- Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vacuum valve for rectifiers. 1,693,407; Nov. 27.
- Shand, George, St. James, Minn. Rod. 1,677,218; July 17.
- Shank, Cyrus, Chicago, Ill. Dishwashing machine. 1,657,043; Jan. 24.
- Shank, Dorothy E. (See Heft, H. L., Van Arsdale, and Shank.)
- Shankland, Ristine & Co. (See Dormann, Fred, assignor.)
- Shanks, John N., assignor to Empire Thresher Co., Post Falls, Idaho. Self-loading vehicle. 1,682,352; Aug. 28.
- Shanks, Thomas R., Richmond, Calif. Lead adjustment for radial valve gears. 1,657,770; Jan. 31.
- Shanley, Francis. (See Carpenter, W. J., and Shanley.)
- Shann, Oscar A. (See Hoyt, F. A., and Shann.)
- Shannon, David M., Birkenhead, England. Internal-combustion engine. 1,668,737; May 8.
- Shannon, Ellwood M., Bala, Pa. Mallet locomotive. 1,661,053; Feb. 28.
- Shannon, Floyd E. (See Schonenberger, Aloys, assignor.)
- Shannon, Jesse P., Lake Geneva, Wis. Fishing lure. 1,678,448; July 24.
- Shannon, John D. (See Bohman, E. A., and Shannon.)
- Shannon, John W., San Rafael, and E. F. Pagendam, Oakland, assignors to Shannon Rotary Valve Motor Company, San Francisco, Calif. Rotary valve mechanism. 1,666,513; Apr. 17.
- Shannon, Richard S. (See Campbell, Thomas F., assignor.)
- Shannon Rotary Valve Motor Company. (See Shannon, J. W., and Pagendam, assignors.)
- Shannon, S. Q. and H. P. Randall, Los Angeles, Calif. Liquid-level indicator. 1,680,916; Aug. 14.
- Shanton, Ira A., St. Petersburg, Fla. Spring teetering toy. 1,677,531; July 17.
- Shanton, Ira A., Hollywood, Calif. Exercising plaything. 1,677,532; July 17.
- Shantz, Vivian F., et al. (See Woodman, Mark G., assignor.)
- Shapiro, Esther M. (See Edelman, Max, assignor.)
- Shapiro, Harry D., Newburgh, N. Y. Flower box. 1,690,910; Nov. 6.
- Shapiro, Isadore H., Chicago, Ill. Automatic casting machine. 1,659,638; Feb. 21.
- Shapiro, Joseph, assignor to Maryland Baking Company, Baltimore, Md. Ice-cream cone. 1,690,556; Nov. 6.
- Shapiro, Lazarus. (See Isler, Benjamin Q., assignor.)

- Shapiro, Lazarus, New York, N. Y. Electromagnetic translating device. 1,666,183; Apr. 17.
- Shapiro, Lazarus, New York, N. Y., assignor to Radio Corporation of America. Phase shifter. 1,667,497; Apr. 24.
- Shapiro, Philip C., assignor to Siegel Light Supply Company, Philadelphia, Pa. Smoking stand. 1,670,384; May 22.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Chandelier. Des. 74,323; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Chandelier. Des. 74,324; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Chandelier. Des. 74,325; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y., Lighting fixture. Des. 74,326; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 74,327; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Chandelier. Des. 74,328; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y., Lighting fixture. Des. 74,329; Jan. 24.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting-fixture wall bracket. Des. 74,633; Mar. 6.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Bracket back. Des. 74,634; Mar. 6.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Bracket back. Des. 74,635; Mar. 6.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Bracket back. Des. 74,636; Mar. 6.
- Shapiro, Theodore, assignor to Artercraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting-fixture wall bracket. Des. 74,893; Apr. 10.
- Shapley, Cooper, Bishop, Calif. Flotation process. 1,689,693; Oct. 30.
- Sharkey, Jesse L. (See Keens, J. A., and Sharkey.)
- Sharp, Alexander B., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. 1,694,357; Dec. 4.
- Sharp, Allen W., assignor to Johnston Pressed Gear Company, Ottumwa, Iowa. Rug-beating machine. 1,675,059; June 26.
- Sharp and Combs, Inc. (See Sharp, Louis E., assignor.)
- Sharp & Dohme, Inc. (See Dohme, Alfred R. L., assignor.)
- Sharp, Donald E., Hamburg, assignor to Spencer Lens Company, Buffalo, N. Y. Light transmitting and reflecting device. 1,675,431; July 3.
- Sharp, Frederick E., Prescott, Wash. Fly scarer. 1,659,377; Feb. 14.
- Sharp, Frederick E., Prescott, Wash. Wind fly scarer. 1,659,378; Feb. 14.
- Sharp, James W., Lakewood, Ohio. Locker. 1,688,834; Oct. 23.
- Sharp, Jefferson M., Oil City, Pa. Valve for pumps. 1,691,449; Nov. 13.
- Sharp, John, Cleveland, Ohio. Sifter. 1,683,848; Sept. 11.
- Sharp, John E., Wheeling, W. Va. Cable head. 1,666,980; Apr. 24.
- Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Machine for applying closure caps to receptacles. 1,674,266; June 19.
- Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Applying closure caps to containers. 1,684,892; Sept. 18.
- Sharp, Louis E., assignor to Sharp and Combs, Inc., Denver, Colo. Wireless antenna. 1,670,553; May 22.
- Sharp, Robert W., Baton Rouge, La. Spraying nozzle for macerating machines and the like. 1,663,263; Mar. 20.
- Sharp, Robert W., Baton Rouge, La. Sugar-cane mill. 1,673,921; June 19.
- Sharp & Smith. (See Brix, Harold, assignor.)
- Sharp & Smith. (See Shearon, Clarence G., assignor.)
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Company, Steubenville, Ohio. Andiron. Des. 74,330; Jan. 24.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 75,192; May 15.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Company, Steubenville, Ohio. Gas heater. Des. 75,752; July 10.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Company, Steubenville, Ohio. Gas heater. Des. 76,429; Sept. 25.
- Sharp, William L., assignor to The Ohio Foundry & Manufacturing Company, Steubenville, Ohio. Damper. 1,680,696; Aug. 14.
- Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas burner. 1,684,457; Sept. 18.
- Sharpe, James H. (See van Putten, J. H., and Sharpe.)
- Sharpe, Thomas E. (See Gladding, E. K., and Sharpe.)
- Sharpe, Wayne N., New York, N. Y. Tuning peg. 1,672,348; June 5.
- Sharples, David T. (See Sharples, Philip M. and D. T.)
- Sharples, David T., West Chester, Pa. Governor. 1,660,211; Feb. 21.
- Sharples, David T., assignor to The Sharples Separator Company, West Chester, Pa. Automatically-centering bearing for rotary shafts. 1,655,074; Jan. 3.
- Sharples, David T., assignor to The Sharples Separator Company, West Chester, Pa. Centrifugal separator. 1,679,790; Aug. 7.
- Sharples, David T., assignor to The Sharples Separator Company, West Chester, Pa. Centrifugal separator. 1,687,394; Oct. 9.
- Sharples, Philip M. and D. T., assignors to Sharples Separator Company, West Chester, Pa. Cream separator. 1,676,165; July 3.
- Sharples, Philip T., Merion, and L. D. Jones, assignors to The Sharples Specialty Company, Philadelphia, Pa. Process and apparatus for the refining and purifying of liquids. 1,657,941; Jan. 31.
- Sharples Separator Company, The. (See Sharples, David T., assignor.)
- Sharples Separator Company. (See Sharples, Philip M. and D. T., assignors.)
- Sharples Specialty Company, The. (See Sharples, P. T., and Jones, assignors.)
- Sharpneck, Eliel L. (See Sharpneck, Nellie E. and E. L.)
- Sharpneck, Nellie E. and E. L., East Bakersfield, Calif. Safety drainer. 1,662,343; Mar. 13.
- Sharpp, John E., assignor to Panay Horizontal Show Jar Company, Milwaukee, Wis. Moisture-regulating device. 1,655,248; Jan. 3.
- Sharpville Boiler Works Co. (See Fagan, Charles D., assignor.)
- Shauer, Louis S. and R., Los Angeles, Calif. Refrigerator revolving receptacle. 1,687,149; Oct. 9.
- Shauer, Rose. (See Shauer, Louis S. and R.)
- Shauks, Arthur J., Haverhill, Mass. Tire. Des. 74,454; Feb. 14.
- Shauks, Arthur J., Haverhill, Mass. Atomizer. 1,677,053; July 10.
- Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Circuit-controlling means. 1,672,429; Aug. 28.
- Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Speed controller. 1,674,267; June 19.
- Shaver, Phillip A., Puente, Calif. Child's high chair. Des. 77,279; Dec. 18.
- Shaw, Bertram, Brighton, England. Book rest. 1,657,321; Jan. 24.
- Shaw, Carroll H. (See Pettie, A. D., and Shaw.)
- Shaw, Cecil, Huddersfield, England. Dyeing of wool and/or silk. 1,691,500; Nov. 13.
- Shaw Crane-Putnam Machine Company. (See Gough, A. C., and Charushin, assignors.)
- Shaw Crane-Putnam Machine Co. (See Moore, George E., assignor.)
- Shaw, Dexter N. (See Homerberg, V. O., and Shaw.)
- Shaw, Duncan, and W. F. Moore, assignors to The American Hardware Corporation, New Britain, Conn. Door closer. 1,668,341; May 1.
- Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Network. 1,671,049; May 22.
- Shaw, Francis, and Company Limited, et al. (See Fraser, Andrew, assignor.)
- Shaw, George E., Chicago, Ill. Producing articles from fibrous pulp material. 1,669,426; May 15.
- Shaw, George R. (See Parks, F. M., and Shaw.)
- Shaw, George R., South Euclid, and B. F. Tellkamp, Cleveland Heights, Ohio, assignor to General Electric Company, Method and apparatus for treating filaments. 1,664,136; Mar. 27.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Convertible carriage. 1,673,781; June 12.
- Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Seat construction for baby carriages. 1,682,714; Aug. 28.
- Shaw, Harold N., Milwaukee, Wis. Electric connection heater. 1,679,841; Aug. 7.
- Shaw, Harold N., Milwaukee, Wis., assignor, by mesne assignments, to Globar Corporation, Philadelphia, Pa. Electrical heating apparatus. 1,686,108; Oct. 2.
- Shaw, Henry W., Chattanooga, Tenn. Level. 1,659,446; Feb. 14.
- Shaw, James, San Francisco, Calif. Motor-vehicle chassis. 1,665,610; Apr. 10.
- Shaw, James W., Chicago, Ill. Continuous washing machine. 1,688,508; Oct. 23.
- Shaw, John C. (See Keller, J. F., and Shaw.)
- Shaw, John C., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Electrical operation and control of machine tools. 1,683,581; Sept. 4.
- Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Contouring tracer. 1,668,518; May 1.
- Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Terminal for conductors. 1,683,418; Sept. 4.

- Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Tracer point. 1,694,022; Dec. 4.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. 1,682,988; Sept. 4.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Latch. 1,688,472; Oct. 23.
- Shaw, John W., Norwood, N. J., assignor to Bing & Bing, Inc. Awning fixture. 1,673,782; June 12.
- Shaw, Joseph. (See Mason, J. G., and Shaw.)
- Shaw, Joseph A., assignor to The Koppers Company, Pittsburgh, Pa. Preventing decomposition of bicarbonates in solution. 1,689,059; Oct. 23.
- Shaw, Louis E., East Orange, N. J., assignor to E. Unger, New York, N. Y. Heater-supporting chandelier. 1,677,054; July 10.
- Shaw, Paul N., Cleveland, Ohio. Tool for taking up taps and the like. 1,681,881; Aug. 21.
- Shaw, Quincy A., Boston, Mass. Green sweeper. 1,674,306; June 19.
- Shaw, Robert D. (See Shaw, John C. and R. D.)
- Shaw, Samuel H., and J. T. Sibley, New York, N. Y. Windshield wiper. 1,659,219; Feb. 14.
- Shaw, Stanley W., Galesburg, Kans. Gauge wheel for agricultural implements. 1,661,237; Mar. 6.
- Shaw, Stanley W., Galesburg, Kans. Hitch for lawn mowers. 1,669,787; May 15.
- Shaw-Walker Company, The. (See Hunter, David E., assignor.)
- Shaw-Walker Company. (See Rowley, James L., assignor.)
- Shaw, Wesley J., Haverhill, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for turning wood heels. 1,678,792; July 31.
- Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Wood-heel block clamp. 1,682,022; Aug. 28.
- Shaw, Wesley J., assignor to New England Wood Heel Co., Haverhill, Mass. Wood-heel machine. 1,686,773; Oct. 9.
- Shawcross, William A., assignor to Monroe Block & Co., Providence, R. I. Solderless pin. 1,670,385; May 22.
- Shawen, Eli W., and A. C. Arnett, Dayton, Ohio. Water-softening silicate and producing same. 1,693,873; Dec. 4.
- Shawmut Engineering Company. (See Bixby, Walter, assignor.)
- Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
- Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
- Shawmut Engineering Company. (See Lea, Charles, assignor.)
- Shay, James M., assignor of one-third to H. J. Lindig and one-third to H. P. Yoder, Cleveland, Ohio, and one-third to Shay Motion Picture Screen Co., Springfield, Ill. Picture screen. 1,686,880; Oct. 9.
- Shay Motion Picture Screen Co., et al. (See Shay, James M., assignor.)
- Shay, Warren J., Chicago, Ill., assignor to The Columbus McKinnon Chain Company, Columbus, Ohio. Display stand. 1,664,530; Apr. 3.
- Shea, Frank B., Brooklyn, N. Y. Blanket holder for printing cylinders. 1,662,284; Mar. 13.
- Shea, John H. (See Daley, Daniel M., assignor.)
- Shea, John J., San Diego, Calif. Automatic current-cut-out electric fan. 1,693,256; Nov. 27.
- Sheaffer, W. A., Pen Co. (See Fremont, J. A., and De Haven, assignors.)
- Sheaffer, W. A., Pen Company. (See Sweetnam, G. E., and Oreck, assignors.)
- Sheaffer, W. A., Pen Co. (See Waldron, Harry E., assignor.)
- Sheaffer, Walter A. and C. R., Fort Madison, Iowa. Fountain-pen desk stand. Des. 74,242; Jan. 10.
- Sheaffer, Walter A., Fort Madison, Iowa, and L. J. Most, New York, N. Y.; said Most assignor to said Sheaffer. Pencil. 1,675,826; July 3.
- Shean, Joseph W., Spearville, Kans. Automatic gate mechanism for railway crossings. 1,682,353; Aug. 28.
- Shean, Thomas P., Chicago, Ill. Metal window construction. 1,655,438; Jan. 10.
- Shear, Harmon C. (See Fitzgerald, Guy W., assignor.)
- Shearer, Harry T., assignor to Landis Machine Company, Wyncoboro, Pa. Die head for cutting tapered threads. 1,695,158; Dec. 11.
- Shearman, Alice M., Omaha, Nebr. Flour-sifter tin. 1,674,346; June 19.
- Shearman, George, Atlantic City, N. J. Gasoline-reserve device. 1,671,551; May 29.
- Shearman, George, Atlantic City, N. J. Alarm and emergency supply for tank dispensing devices. 1,671,552; May 29.
- Shearon, Charles E., J. D. Alexander, and L. M. Pearcey, Hattiesburg, Miss. Safety auto control. 1,665,281; Apr. 10.
- Shearon, Clarence G., Evanston, assignor to Sharp & Smith, Chicago, Ill. Surgical needle. 1,678,361; July 24.
- Shears, Frederick W., et al. (See Cervol, Albert, assignor.)
- Shears, Sumner S. (See Wilson, E. R., and Shears.)
- Shears, Sumner S., Brooklyn, N. Y., and E. R. Wilson, Peterboro, Ontario, Canada; said Wilson assignor to said Shears. Vehicle spring. 1,689,458; Oct. 30.
- Sheasley, Charles H., Franklin, Pa. Stuffing box for internal-combustion engines. 1,655,775; Jan. 10.
- Sheasley, Charles H., Franklin, Pa. Automotive hoisting engine. 1,683,734; Sept. 11.
- Sheberashenko, Andrey, Detroit, Mich. Radius tool. 1,666,109; Apr. 17.
- Shedd, Frank R., Center Rutland, Vt., assignor to Vermont Marble Company. Truck. 1,663,571; Mar. 27.
- Shedd, Hugh E., Minneapolis, Minn. Calendar. 1,662,906; Mar. 20.
- Shee, Parke E., Lancaster, Pa. Hanger. 1,696,128; Dec. 18.
- Sheedy, John, Seattle, Wash. Reenforcing bar. 1,689,504; Oct. 30.
- Sheehan, George F., Seattle, Wash. Fuel briquette. 1,682,195; Aug. 28.
- Sheehan, Thomas C., Upper Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette-machine cut-off. 1,664,050; Mar. 27.
- Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive mud ring. 1,678,880; July 31.
- Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,680,434; Aug. 14.
- Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Dipper handle. 1,688,664; Oct. 23.
- Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Underframe for well cars. 1,696,332; Dec. 25.
- Sheehy, Stephen I., Washington, D. C. Display container. 1,673,535; June 12.
- Sheehy, William, Fontana, Calif. Rabbit hutch. 1,694,082; Dec. 4.
- Sheeley, Earl, assignor to Wright Manufacturing Company, Inc., Philadelphia, Pa. Vigil light cup. Des. 75,810; July 17.
- Sheer, H. M., Company. (See Williams, Robert T., assignor.)
- Sheet Metal Specialty Company. (See Smith, O. T., and Diller, assignors.)
- Sheet-Rockford Silver Company. (See James, Sidney V., assignor.)
- Sheet Steel Products Company. (See Baxter, Kenneth S., assignor.)
- Sheets, Fred M. (See Sappenfield, D. D., and Sheets.)
- Sheets, Halley A., Fairfield, Nebr. Mower. 1,656,078; Jan. 10.
- Sheets, Thomas H., Shingle, Calif. Railroad-tie jack. 1,670,941; May 22.
- Sheffer, John W. (See Johnson, W. S., and Sheffer.)
- Sheffield, G. H., & Company, Engineers, Limited. (See Sheffield, G. H., and Twinberrow, assignors.)
- Sheffield, George H., and J. D. Twinberrow, assignors to G. H. Sheffield & Company, Engineers, Limited, London, England. Construction of bogie trucks for railway and like vehicles. 1,686,182; Oct. 2.
- Sheffield Simplex Company, The. (See Abell, G. H. and Wells, assignors.)
- Sheft, Casimir, assignor to B. Bernstein, New York, N. Y. Textile fabric or similar article. Des. 75,660; June 26.
- Shelfeland, Rudolph A., assignor of one-half to M. M. Kelliher, Spokane, Wash. Seating and unseating tools. 1,682,097; Aug. 28.
- Shelby, Fred J., Indianapolis, Ind. Combined tire valve and pressure alarm. 1,671,167; May 29.
- Shelby Metal Products Company, The. (See Broomhall, Harley, assignor.)
- Shelby Salesbook Company, The. (See Giller, Charles W., assignor.)
- Shelby Spring Hinge Company, The. (See Hubbs, H. E., and Malone, assignors.)
- Sheldon, Albert N., Ventura, Calif. Apparatus for walking on water. 1,692,055; Nov. 20.
- Sheldon, Edward P., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Trimming magazine signatures. 1,658,466; Feb. 7.
- Sheldon, Edward P., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Stapling mechanism. 1,662,442; Mar. 13.
- Sheldon, Edward P., Brooklyn, assignor, by mesne assignments, to B. Hoe and Co., Inc., New York, N. Y. Stapling mechanism. 1,664,434; Apr. 3.
- Sheldon, Edward P., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y. Paper-break indicator. 1,688,835; Oct. 23.
- Sheldon, John R. (See Washburn, F., and Sheldon.)
- Sheldon, Lovell D. (See Viers, C. O., and Sheldon.)
- Sheldon, Waldo, South Norwalk, Conn. Well-drilling engine. 1,670,596; May 22.
- Sheldon, Waldo, South Norwalk, Conn. Well-drilling apparatus. 1,681,502; Aug. 21.
- Sheldon, Waldo, Greenwich, Conn. Well drilling. 1,674,069; June 19.
- Sheldon, Waldo, Greenwich, Conn. Well-drilling apparatus. 1,678,881; July 31.
- Sheldon, Waldo, Greenwich, Conn. Well drilling. 1,681,501; Aug. 21.
- Sheldon, William O., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Making sheet-metal frames. 1,676,222; July 3.

- Sheldrick, George E., Detroit, Mich., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Counter. 1,671,553; May 29.
- Shelley, George T., Indianapolis, Ind. Jar-top-removing device. 1,670,828; May 22.
- Shelhouse, Maurice W., Hamilton, Ohio, assignor to Niles-Bement Pond Company, New York, N. Y. Work driver for car-wheel lathes. 1,690,598; Nov. 6.
- Shell Company of California. (See Ruys, Jan D., assignor.)
- Shell, Sanders P., Anna, Tex. Moisture preserver. 1,693,318; Nov. 27.
- Shellabarger Mills & Elevator Company, The. (See Cornelius, John W., assignor.)
- Shellabarger, Nicholas, Portland, Ore. Amusement device. 1,660,139; Feb. 21.
- Sheller, John C., assignor to J. F. Saye, Maywood, Ill. Game. 1,668,873; May 8.
- Sheller, John C., assignor to J. F. Saye, Maywood, Ill. Attachable shower. 1,685,180; Sept. 25.
- Shelley, Walter F., Wabaska, Nev. Loading machine. 1,680,179; Aug. 7.
- Shelly Metal Products Company, The. (See Broomhall, Harley, assignor.)
- Shelton, Edward L., Memphis, Tenn. License-plate holder. 1,694,832; Dec. 11.
- Shelton, Harry J., University City, Mo. Crusher. 1,670,748; May 22.
- Shelton, Harry J., University City, Mo. Grinder. 1,679,182; July 31.
- Shelton, Harry J., University City, Mo. Rotary pivoted hammer. 1,693,058; Nov. 27.
- Shelton, Harry J., University City, Mo. Crusher. 1,696,213; Dec. 25.
- Shelton, James F. (See Hobson, F. E., and Shelton.)
- Shelton, Ray. (See Crosthwait, Asa B., assignor.)
- Shelton, William G., St. Louis, Mo. Hair-waving clip. 1,662,285; Mar. 13.
- Shelton, William G., St. Louis, Mo. Hair winder. 1,662,286; Mar. 13.
- Shelton, William G., St. Louis, Mo. Hair-waving apparatus. 1,666,266; Apr. 17.
- Shelton, William G., St. Louis, Mo. Steaming-tube plug. 1,667,396; Apr. 24.
- Shelton, William G., St. Louis, Mo. Hair-waving equipment. 1,684,642; Sept. 18.
- Shelton, William G., St. Louis, Mo. Waving hair. 1,691,589; Nov. 13.
- Shelton, William G., New York, N. Y. Driving mechanism for talking machines and the like. 1,673,847; June 19.
- Shelton, William G., New York, N. Y. Hair-curling apparatus. 1,680,809; Aug. 14.
- Shenango Pottery Company. (See De Lan, Eugene A., assignor.)
- Shenfer, Claudius, Moscow, Russia. Rotor winding for asynchronous motors without starters. 1,682,430; Aug. 28.
- Shenkin, Moe. (See Epstein, J. B., and Shenkin.)
- Shenton, Francis. (See Zumbro, F. R., and Shenton.)
- Shenton, Francis, assignor to Frick Company, Waynesboro, Pa. Fluid-regulating valve. 1,681,439; Aug. 21.
- Shepard, Frederick J., Jr., Auburndale, and N. Warshaw, Boston, assignors to Lewis-Shepard Company, Watertown, Mass. Winding-drum actuating and controlling mechanism. 1,672,178; June 5.
- Shepard, Frederick J., Jr., Auburndale, and N. Warshaw, Boston, assignors to Lewis-Shepard Company, Watertown, Mass. Portable load carrying and hoisting machine. 1,689,259; Oct. 30.
- Shepard, Frederick J., Jr., Auburndale, and N. Warshaw, Boston, assignors to Lewis-Shepard Company, Watertown, Mass. Platform for use with elevating trucks. 1,696,585; Dec. 25.
- Shepard, James A., assignor to Shephard Electric Crane & Hoist Company, Montour Falls, N. Y. Crane bridge. 1,671,131; May 29.
- Shepard, Joseph, Schenectady, N. Y. Combination advertising handkerchief and radioscope. 1,665,074; Apr. 3.
- Shepard, Morris G. (See Ostromislensky, I., and Shepard.)
- Shepard, Morris G., New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Catalytic alkylation of aromatic hydrocarbons. 1,658,176; Feb. 7.
- Shepard, Oscar F., Cincinnati, Ohio. Chain transmission for elevator devices. 1,684,520; Sept. 18.
- Shepard-Thomason Co. (See Thomason, Hjalmar, assignor.)
- Shepard, Wilbur L., assignor of one-half to E. A. Beals, West Hartford, Conn. Gas-producing apparatus. 1,689,159; Oct. 23.
- Sheperdson, John W., executor. (See Sheperdson, William T.)
- Sheperdson, John W., assignor to Morgan Construction Company, Worcester, Mass. Rolling metal. 1,669,788; May 15.
- Sheperdson, William T., deceased, Paxton, Mass.; J. W. Sheperdson, executor. Horseshoe and calk. 1,682,688; Aug. 28.
- Shephard Electric Crane & Hoist Company. (See Shepard, James A., assignor.)
- Shepherd, Russell, Cleveland, Ohio. Grinding mill. 1,659,668; Feb. 21.
- Shepherd, Charles B., New York, assignor to W. Reid, Scarsdale, N. Y. Rail anchor. 1,691,019; Nov. 6.
- Shepherd, George W., Terre Haute, Ind. Electric heater. 1,660,052; Feb. 21.
- Shepherd, Richard, Eindhoven, Netherlands, assignor to General Electric Company. Tension device for coiling machines. 1,674,527; June 19.
- Shepherd, Richard, and W. Dalheimer, Eindhoven, Netherlands, assignors to General Electric Company. Wire-coiling machine. 1,667,681; Apr. 24.
- Shepherd, Tom L., et al. (See Bowman, Lee M., assignor.)
- Shepley, Frank C., Hominy, Okla. Spring. 1,660,892; Feb. 28.
- Sheppard, Frank, Casper, Wyo. Garage-door opener. 1,660,768; Feb. 28.
- Sheppard, Samuel E., assignor to Eastman Kodak Company, Rochester, N. Y. Photograph and making the same. 1,676,580; July 10.
- Sheppard, Samuel E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic light-sensitive material and making the same. 1,678,832; July 31.
- Sheppard, Samuel T. (See Kraft, S. A., and Sheppard.)
- Shepperack, Joseph E., Mont Clare, assignor of one-fourth to J. Di Cio and one-fourth to H. C. Simons, Norristown, Pa. Runner-mender needle. 1,692,583; Nov. 20.
- Sher, Louis, Philadelphia, Pa. Spring-power marine propulsion device. 1,663,143; Mar. 20.
- Sherban, Daniel V., Canton, Ohio, assignor to The Bonnot Company. Pneumatic fuel grader. 1,668,218; May 1.
- Sherbino, Morton R., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Nonexpansible hose. 1,684,717; Sept. 18.
- Sherbino, Morton R., Detroit, Mich., assignor to Hydraulic Brake Company, Los Angeles, Calif. Making nonexpansible hose. 1,684,718; Sept. 18.
- Sherbondy, William E., Cleveland, Ohio. Combined carpet sweeper and vacuum cleaner. 1,688,156; Oct. 16.
- Sherbondy, William E., Cleveland, Ohio. Suction cleaner. 1,695,984; Dec. 18.
- Sher, Albert T., assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland, Calif. Grease gun. 1,692,423; Nov. 20.
- Sherer, Archie A. (See Davis, A., and Sherer.)
- Sherer, Joseph H. (See Brownell, B. M., Sherer, and Ward.)
- Sheridan, Francis. (See Stedwell, George W., assignor.)
- Sheridan, Francis B., and W. A. Jacobson, Syracuse, N. Y. Stocking protector. 1,669,790; May 15.
- Sheridan, Guy E. (See Griswold, G. G., Jr., and Sheridan.)
- Sheridan Iron Works, et al. (See Bredenberg, Alfred, assignor.)
- Sheridan, T. W. & C. B., Company, et al. (See Bredenberg, Alfred, assignor.)
- Sherlock, Charles B., Philadelphia, Pa. Combination doll and radio set. 1,666,946; Apr. 24.
- Sherman, Abraham, Brooklyn, N. Y. Hand-bag frame. Des. 76,901; Nov. 13.
- Sherman, Alvin G., and A. Meadows, assignors to Detroit Vapor Stove Company, Detroit, Mich. Continuous glass enameling. 1,681,440; Aug. 21.
- Sherman, Alvin G., and A. Meadows, assignors to Detroit Vapor Stove Company, Detroit, Mich. Continuous porcelain mill. 1,681,441; Aug. 21.
- Sherman, Alvin G., G. Smith, G. H. Ramig, Detroit, and C. A. Roose, Grosse Pointe Farms, assignors to The Detroit Vapor Stove Co., Detroit, Mich. Heat-control device for ovens. 1,684,205; Sept. 11.
- Sherman, Carroll J., and C. H., Houston, Tex. Burner. 1,674,025; June 19.
- Sherman, Charles H. (See Sherman, Carroll J. and C. H.)
- Sherman, Clifton W., and J. M. Hall, Hamilton, Ontario, Canada, assignors to Hall Draft Gear Corporation, Buffalo, N. Y. Shock absorber. 1,679,921; Aug. 7.
- Sherman, Clifton W., and J. M. Hall, Hamilton, Ontario, Canada, assignors to Hall Draft Gear Corporation, Buffalo, N. Y. Friction draft gear. 1,682,806; Sept. 4.
- Sherman, Clifton W., and J. M. Hall, Hamilton, Ontario, Canada, assignors to Hall Draft Gear Corporation, Buffalo, N. Y. Shock absorber. 1,694,987; Dec. 11.
- Sherman, H. B., Manufacturing Co. (See Sherman, Howard B., assignor.)
- Sherman, Howard B., assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Drain valve for lawn-sprinkling systems. 1,675,992; July 3.
- Sherman, Howard B., and D. P. Ordway, assignors to American Stamping Co., Battle Creek, Mich. Combination for razor blades and paper. 1,679,231; July 31.
- Sherman, Jessie L. (See Little, W. M., and Sherman.)
- Sherman, John C., assignor to Brown Company, Portland, Me. Margarine composition. 1,691,037; Nov. 13.
- Sherman, John Q. (See Metzner, Albert W., assignor.)
- Sherman, John Q., Dayton, Ohio. Manifolding machine. 1,655,743; Jan. 10.
- Sherman, John Q., Dayton, Ohio. Automatic autographic register. 1,668,982; May 8.
- Sherman, John Q., Dayton, Ohio. Locking device. 1,668,983; May 8.
- Sherman, John Q., Dayton, Ohio. File cabinet. 1,670,749; May 22.
- Sherman, John Q., Dayton, Ohio. Manifolding machine. 1,688,157; Oct. 16.

- Sherman, John Q., Dayton, Ohio. Manifold device. 1,690,798; Nov. 6.
- Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Flat-bed manifold machine. 1,670,787; May 22.
- Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Manifold register. 1,682,991; Sept. 4.
- Sherman, Max, Los Angeles, Calif. Boot-tree. 1,663,219; May 1.
- Sherman, Rallston M., Glastonbury, assignor to Silent Glow Oil Burner Corporation, Hartford, Conn. Vapor burner. 1,676,223; July 3.
- Sherman, Ralph L. (See Myers, D. W., and Sherman.)
- Sherman, William T., assignor to Henry L. Hughes Co. Inc., Troy, N. Y. Brush-filling apparatus and method of filling brush pads. 1,695,159; Dec. 11.
- Sherr, Max. (See Stockow, Max, assignor.)
- Sherran, Amelia C., assignor of one-half to R. E. Sherran, Brooklyn, N. Y. Pad and bed vessel. 1,695,160; Dec. 11.
- Sherran, Ruth E. (See Sherran, Amelia C., assignor.)
- Sherrard, Francis H., East Orange, assignor to Newark Concrete Pipe Co., Newark, N. J. Expansion joint for concrete pipe. 1,668,823; May 8.
- Sherrard, Francis H., East Orange, assignor to Newark Concrete Pipe Co., Newark, N. J. Concrete pipe or conduit. 1,691,590; Nov. 13.
- Sherrill, Richard M., Evanston, Ill., assignor to Central Scientific Company. Advertising device. 1,666,721; Apr. 17.
- Sherrord, Alfred, Philadelphia, Pa. Adjustable air carburetor and equalizing vaporizer. 1,672,349; June 5.
- Sherrord, Robert L., assignor of one-sixth to G. G. Mulherson, one-sixth to T. Martin, one-sixth to F. W. Whitehurst, one-sixth to T. D. Gooch, and one-sixth to R. S. Moore, Brownsville, Tenn. Scrubbing board. 1,667,441; Apr. 24.
- Sherry, John C., Wilmington, Calif. Lock. 1,675,581; July 3.
- Shersmith, Frank, Oconomowoc, Wis. Automatic weather strip. 1,665,678; Apr. 10.
- Sherst, James H., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Rejuvenating cellulose ester plastic. 1,657,870; Jan. 31.
- Sherwood, Charles F. (See Geer, W. C., and Sherwood.)
- Sherwood, Charles F., New York, N. Y., and E. L. Oliver, Piedmont, Calif., assignors to Oliver-Sherwood Co. Centrifugal pump. 1,667,992; May 1.
- Sherwood, Lester L., Los Angeles, Calif. Dental floss holder. 1,667,134; Apr. 24.
- Sherwood, Lester L., Los Angeles, Calif. Certificate holder. 1,671,554; May 29.
- Sherwood, Lincoln B., Long Beach, Calif. Joint construction for pipes or the like. 1,659,669; Feb. 21.
- Sherwood, William E., Canastota, N. Y. Rotary conveyer dump box. 1,669,789; May 15.
- Shestakoff, Peter. (See Petroff, G., and Shestakoff.)
- Shevlin, George F., assignor to George F. Shevlin & Son, Glens Falls, N. Y. Valve. 1,664,270; Mar. 27.
- Shevlin, George F., assignor to George F. Shevlin & Son, Glen Falls, N. Y. Centrifugal pulp screen. 1,664,996; Apr. 3.
- Shevlin, George F., & Son. (See Shevlin, George F., assignor.)
- Shevlin, Joseph P., and S. E. Norton, Denver, Colo. Tire-casing spreader. 1,666,150; Apr. 17.
- Shew, Walter E., assignor to Delco-Light Company, Dayton, Ohio. Refrigerating apparatus. 1,687,395; Oct. 9.
- Shick, David W., assignor to S. E. Miller, trustee, Aurora, Ill. Writing machine. 1,666,267; Apr. 17.
- Shickuna, Joseph J., Buffalo, N. Y. Mast arm. 1,680,573; Aug. 14.
- Shidler, Albert L., and H. H. Mootz, Sioux City, Iowa. Automobile trunk and luggage carrier. 1,687,396; Oct. 9.
- Shidler, Frank L., Kankakee, Ill. Golf practice equipment. 1,674,135; June 19.
- Shidler, Frank L., Kankakee, Ill. Practice golf club. 1,674,136; June 19.
- Shield, Paul S., Cincinnati, Ohio, assignor to A. Davis, Jr., Covington, Ky. Tank valve. 1,693,257; Nov. 27.
- Shields, A. Graham. (See Noyes, Harry W., assignor.)
- Shields, Clarence G., Florence, Pa. Spraying apparatus. 1,665,224; Apr. 10.
- Shields, George D., Los Angeles, Calif. Cast drill bit with split-tang element. 1,656,296; Jan. 17.
- Shields, Henry B. (See Drumm, C. F., Jr., and Shields.)
- Shields, Henry B., Freeport, assignor to International Motor Company, New York, N. Y. Transmission. 1,656,397; Jan. 17.
- Shields, Patrick W., assignor to McKenna Brass & Manufacturing Co., Inc., Pittsburgh, Pa. Bottle washer. 1,669,492; May 15.
- Shields, Patrick W., and W. J. Blenko, assignors to McKenna Brass and Manufacturing Company, Incorporated, Pittsburgh, Pa. Method and apparatus for bottling. 1,692,471; Nov. 20.
- Shields, Patrick W., Pittsburgh, and L. De Marceus, Montrose, assignors to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa. Carbonator. 1,660,531; Feb. 28.
- Shields, Samuel A., Eureka, Calif. Bearing boxing. 1,692,709; Nov. 20.
- Shiels, Blanche C., Neenah, Wis. Portable urinal bottle. 1,657,975; Jan. 31.
- Shier, James C., Toronto, Ontario, Canada. Accelerator-controlling device. 1,662,211; Mar. 13.
- Shiffer, Charles E., Wilmington, Del. Fuel-feed system. 1,686,180; Oct. 2.
- Shifflett, Samuel B., Del Ray, Alexandria, Va. Bedroom lamp stand and circuit-controlling mechanism therefor. 1,678,920; July 31.
- Shiga, Taisan, Tokyo, Japan. Fireproof and antirotting composition. 1,674,802; June 26.
- Shilander, Oscar G., Dearborn, Mich. Rack. 1,695,211; Dec. 11.
- Shilliam, Charles M., Spokane, Wash. Nest structure. 1,687,901; Oct. 16.
- Shilling, Carl S., and D. B. Louzon, Chicago, Ill. Door latch. 1,662,907; Mar. 20.
- Shillman, Nathan H., Baltimore, Md. Tape casing. 1,679,178; July 31.
- Shimada, Keichin. (See Nishida, H., and Shimada.)
- Shimamoto, Saichi, Tokyo, Japan. Treating pulverized vegetable fuels. 1,668,660; May 8.
- Shimek, John W. (See Evers, W. H., and Shimek.)
- Shimek, John W., Lakewood, assignor to The R. C. Products Company, Cleveland, Ohio. Retaining wall structure. 1,690,136; Nov. 6.
- Shimer, Abraham A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Extracting rosin and turpentine from wood. 1,696,696; Dec. 25.
- Shimer, Edward B. (See Shimer, Porter W. and E. B.)
- Shimer, John M., Wilkesburg, Pa., assignor to Wilson-Snyder Manufacturing Company. Pump. 1,670,788; May 22.
- Shimer, John M., Wilkesburg, Pa., assignor to Wilson-Snyder Manufacturing Company. Pump. 1,680,479; Aug. 14.
- Shimer, John M., Wilkesburg, Pa., assignor to Wilson-Snyder Manufacturing Company. Pump. 1,680,480; Aug. 14.
- Shimer, Porter W. and Ed B., Easton, Pa. Casting ferrous metals. 1,687,799; Oct. 16.
- Shimer, William R., and R. H. Christ, Bethlehem, Pa., assignors to Bethlehem Steel Company. Alloy steel. 1,659,055; Feb. 14.
- Shimizu, Seizo, Tokyo, Japan. Torsion meter. 1,665,822; Apr. 10.
- Shindel, Harry F., assignor to Willson Goggles Inc., Reading, Pa. Goggles. 1,670,638; May 22.
- Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Nose-protecting strap for goggles. 1,695,393; Dec. 18.
- Shinn, Arthur T. (See Shinn, Lawrence D. and A. T.)
- Shinn, Forrest S., Galesburg, Ill. Seasoning wood. 1,687,900; Oct. 16.
- Shinn, Lawrence D. and A. T., Washington, D. C. Practicing golf. 1,672,395; June 5.
- Shinn, Luther G., Holdenville, Okla. Turf-smoothing device. 1,657,322; Jan. 24.
- Shinohara, Kikujin, assignor of one-half to S. Kajihara, Tokyo, Japan. Printing type. 1,657,437; Jan. 24.
- Shipe, Fred W. (See Wolfe, William, assignor.)
- Shipley, Bernis M., assignor to National Cash Register Company, The, Dayton, Ohio. Cash-register cabinet. Des. 75,661; June 26.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,655,570; Jan. 10.
- Shipley, Bernis M., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,682,196; Aug. 28.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,682,197; Aug. 28.
- Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,688,945; Oct. 23.
- Shipley, Henry T., Lakewood, Wis. Self-dumping attachment for road scrapers. 1,680,574; Aug. 14.
- Shipley, Marion R., Manhattan Beach, and W. A. and O. C. Trout; said W. A. and O. C. Trout assignors, by mesne assignments, to Los Angeles Manufacturing Company, Inc., Los Angeles, Calif. Making stovepipe casing. 1,670,639; May 22.
- Shipley, Stanley D., Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Brushing lacquers. 1,692,584; Nov. 20.
- Shipley, Thomas, assignor, by mesne assignments, to York Ice Machinery Corporation, York, Pa. Condenser. 1,686,935; Oct. 9.
- Shipman, Carl C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing articles such as valve-stem pads for inner tubes. 1,655,879; Jan. 10.
- Shipman, Lewis H., Boston, Mass. Solar-heat drier. 1,678,711; July 31.
- Shipman, Lewis H., Boston, Mass. Solar heating apparatus. 1,683,266; Sept. 4.
- Shipman, William P., assignor to Blaw-Knox Company, Pittsburgh, Pa. Welding apparatus. 1,691,501; Nov. 13.
- Shipp, Clarence C., Indianapolis, Ind. Combined box base and damper. 1,696,105; Dec. 18.
- Shipway, George E., Noroton, assignor to The Salt's Textile Manufacturing Co., Bridgeport, Conn. Manufacture of colored pile fabrics. 1,676,931; July 10.
- Shire, Harry L., Detroit, Mich. Electrical instrument. 1,696,333; Dec. 25.

- Shire, Harry I., Detroit, Mich. Testing storage batteries. 1,696,334; Dec. 25.
- Shiria, Peter C., Powell River, British Columbia, Canada. Support for circular-saw-sharpening machines. 1,658,691; Feb. 7.
- Shirk, Charles H., St. Paul, Minn. Water-circulating pump for motors. 1,690,911; Nov. 6.
- Shirk, George. (See Wright, H. J., and Shirk.)
- Shively, Charles E., Portsmouth, Ohio. Shoe rack. 1,687,397; Oct. 9.
- Shively, George B., Waynesboro, Pa. Safety clamp. 1,695,350; Dec. 18.
- Shively, Jess A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-building machine. 1,662,016; Mar. 6.
- Shively, Jess A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Valve mechanism. 1,676,840; July 10.
- Shively, Louis S., assignor to The Weightograph Company, St. Louis, Mo. Scale. 1,660,820; Feb. 28.
- Shively, Louis S., assignor to The Weightograph Company, St. Louis, Mo. Adjustable reflector frame. 1,694,833; Dec. 11.
- Shively, Louis S., assignor to The Weightograph Company, St. Louis, Mo. Coin-trip mechanism for personal weighing scales. 1,695,066; Dec. 11.
- Shivers, Paul F., assignor to The Honeywell Heating Specialties Company, Wabash, Ind. Induction motor. 1,654,840; Jan. 3.
- Shivers, Paul F., Wabash, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor regulator. 1,664,325; Mar. 27.
- Shivers, Paul F., Wabash, Ind., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric valve. 1,678,202; July 24.
- Shlick, Leo, Boston, Mass. Beating engine. 1,675,385; July 3.
- Shlick, Leo, Boston, Mass. Beating engine. 1,679,057; July 31.
- Shlick, Leo, Boston, Mass. Beating engine. 1,679,058; July 31.
- Shlick, Leo, Boston, Mass. Beating engine. 1,679,059; July 31.
- Shlick, Leo, Montreal, Quebec, Canada. Beating engine. 1,679,056; July 31.
- Shoaff, Paul S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for marking materials. 1,656,872; Jan. 17.
- Shoaff, Paul S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Golf-ball center. 1,676,841; July 10.
- Shobe, Chester L., Peru, Kans. Vehicle top brace. 1,679,688; Aug. 7.
- Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Frame for buildings. 1,687,850; Oct. 16.
- Shoe Products, Inc. (See Jones, George A., assignor.)
- Shoe, William W., Philadelphia, Pa. Electric plug. 1,673,644; June 12.
- Shoemaker, Alvin H., Seattle, Wash. Wheel. 1,676,874; July 10.
- Shoemaker, Bernard M., Jamaica, assignor to William Demuth & Company, New York, N. Y. Pen stand. Des. 76,357; Sept. 18.
- Shoemaker, Harry, Jersey City, N. J., assignor, by mesne assignments, to Elkon Works, Inc. Socket and base for translating devices. 1,654,668; Jan. 3.
- Shoemaker, James E., Philadelphia, Pa. Automatic controlling and timing mechanism for full-fashioned-hosiery machines. 1,691,740; Nov. 13.
- Shoemaker, John T., Flint, Mich., assignor to Flint Automatic Heater Company. Curling-iron heater. 1,679,275; July 31.
- Shoemaker, Robert J. (See Croft, W. H., and Shoemaker.)
- Shoemaker, William M., Jr., Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del. Making fiber board. 1,675,666; July 3.
- Shoemaker, William M., Jr., Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del. Apparatus for making fiber board. 1,675,667; July 3.
- Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit interrupter and socket. 1,683,992; Sept. 11.
- Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Electrical cigar lighter. 1,683,993; Sept. 11.
- Shoenberg, Milton H., and L. Schon, San Francisco, Calif.; said Schon assignor to said Shoenberg. Circuit alarm. 1,687,902; Oct. 16.
- Shofner, Joseph C., Haley, Tenn. Automobile headlight structure. 1,685,869; Oct. 2.
- Shogren, Charles A., assignor, by mesne assignments, to Art Metal Screen and Weather Strip Company, Chicago, Ill. Screen. 1,693,822; Dec. 4.
- Sholberg, Ole M., Fergus Falls, Minn. Pump jack. 1,658,306; Feb. 7.
- Sholin, Frank D., Portland, Oreg. Book rest. 1,667,171; Apr. 24.
- Shollenberger, Warren R. (See Updegrave, C. A., and Shollenberger.)
- Shultz, E. V., et al. (See Crumley, Frank M., assignor.)
- Shone, Wesley K., Los Angeles, Calif. Brake-testing machine. 1,685,297; Sept. 25.
- Shoner, Robert N., Fort Wayne, Ind., assignor to Utility Strate Manufacturing Company. Balance wheel for engines. 1,680,120; Aug. 7.
- Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Collapsible gate. 1,657,284; Jan. 24.
- Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company. Adjustable clamp for cables and the like. 1,673,922; June 19.
- Shonnard, Harold W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Door opening and closing means. 1,684,893; Sept. 18.
- Shonnard, Harold W., Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Door-control means for elevators. 1,691,787; Nov. 13.
- Shonnard, Harold W., Upper Montclair, assignor to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator-control apparatus. 1,683,925; Sept. 11.
- Shonnard, Harold W., Upper Montclair, N. J., assignor to Elevator Supplies Company. Closure operator for sliding doors. 1,684,115; Sept. 11.
- Shonnard, Harold W., Upper Montclair, N. J., assignor to Elevator Supplies Company. Elevator door. 1,684,719; Sept. 18.
- Shook, Albert M., San Diego, Calif. Card display and holding means. 1,681,375; Aug. 21.
- Shook, Florain J. (See Gammeter, J. R., Shook and Wilson.)
- Shope, David F., Portland, Oreg. Block-making machine. 1,659,174; Feb. 14.
- Shope, David F., Portland, Oreg., assignor of one-half to G. S. Pickens, Fort Sheridan, Ill., and one-half to B. S. Snyder, Duluth, Minn. Building blocks. 1,678,882; July 31.
- Shope, Leslie R., Jackson Heights, N. Y., assignor to The Stubbs Company, Detroit, Mich. Sample-display device. 1,668,428; May 1.
- Shopneck, Henry P., Dorchester, assignor to J. J. Daly, West Newton, Mass. Wrapper for receptacles and preparing the same. 1,694,399; Dec. 11.
- Shore, Albert F., New York, N. Y. Clip. 1,680,435; Aug. 14.
- Shore, Albert F., New York, N. Y. Clip for laminate springs. 1,680,436; Aug. 14.
- Shore, Morris M., New York, N. Y. Telephone index. 1,696,335; Dec. 25.
- Shore, William, Minneapolis, Minn. Drill chuck. 1,693,823; Dec. 4.
- Shore, William E., New York, N. Y. Constructive conversion of heavy to light hydrocarbons. 1,687,595; Oct. 16.
- Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Bearing. 1,655,167; Jan. 3.
- Short, Charles R., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion-engine piston. 1,653,576; Feb. 7.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Valve-lash-compensating device. 1,664,710; Apr. 3.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Steering mechanism. 1,665,282; Apr. 10.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Composite piston. 1,675,618; July 3.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Hinge. 1,682,993; Sept. 4.
- Short, Charles R., Dayton, Ohio, assignor to General Motors Research Corporation, Detroit, Mich. Support for internal-combustion engines with rubber cushions. 1,694,756; Dec. 11.
- Short, Charles R., Dayton, Ohio, and V. Hughes, assignors to General Motors Research Corporation, Detroit, Mich. Motor-vehicle frame. 1,672,179; June 5.
- Short, Charles R., Dayton, Ohio, and V. Hughes, assignors to General Motors Research Corporation, Detroit, Mich. Differential gearing for motor vehicles. 1,682,871; Sept. 4.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Universal joint with rubber inserts. 1,679,992; Aug. 7.
- Short, Charles R., assignor to General Motors Research Corporation, Detroit, Mich. Cooling-water distribution. 1,686,039; Oct. 2.
- Short, Frank, Poughkeepsie, N. Y., assignor to Chemical Machinery Corporation. Apparatus for the generation and distribution of mercury vapor and sealing means therefor. 1,683,310; Sept. 4.
- Short, Jefferson D., Albuquerque, N. Mex. Spring wheel. 1,662,542; Mar. 13.
- Short, Otto R. (See Pentler, S. J., and Short.)
- Short, Stephen T. (See Hoyle, J., and Short.)
- Short, Wayne F., Bloomington, Ind. Combination airplane and zeppelin. 1,677,150; July 17.
- Shorts, Nelson T., Fern, Pa. Tire-valve stem and pressure gauge. 1,693,528; Nov. 27.
- Shorts, Nelson T., Fern, Pa. Tire-valve stem and pressure gauge. 1,694,286; Dec. 4.
- Shortt, Howard G., Carthage, assignor of one-half to Stebbins Engineering and Manufacturing Company, Watertown, N. Y. Steam trap. 1,660,428; Feb. 28.
- Shortt, Howard G., Carthage, assignor of one-half to Stebbins Engineering and Manufacturing Company, Watertown, N. Y. Automatic receiver pump. 1,670,125; May 15.

- Shortt, Howard G., Carthage, assignor of one-half to Stebbins Engineering and Manufacturing Company, Watertown, N. Y. Automatic receiver pump. 1,676,875; July 10.
- Shortt, Howard G., Carthage, assignor of one-half to Stebbins Engineering and Manufacturing Company, Watertown, N. Y. Automatic receiver pump. 1,681,747; Aug. 21.
- Shortt, James, assignor to Alloy Metal Products Co., Los Angeles, Calif. Lantern electric-light fixture. Des. 76,062; Aug. 14.
- Shortt, James, assignor to Alloy Metal Products Co., Los Angeles, Calif. Panel for electric-light fixtures. Des. 76,063; Aug. 14.
- Shotwell, Fred M., Detroit, Mich., assignor to H. W. Krueger, trustee, Green Bay, Wis. Card file. 1,681,629; Aug. 21.
- Shotwell, Harold H., assignor to The Operadio Corporation, Chicago Ill. Variable condenser. 1,680,810; Aug. 14.
- Shoudy, Chester P., assignor to Shoudy Manufacturing and Developing Company, Spokane, Wash. Centrifugal casting machine. 1,683,267; Sept. 4.
- Shoudy Manufacturing and Developing Company. (See Shoudy, Chester P., assignor.)
- Shoudy, Theodore, New York, N. Y. Toy for emitting smoke rings. 1,671,132; May 29.
- Shouvin, Patrick J., Springfield, Ohio. Oil-well gearing. 1,670,168; May 15.
- Shover, Barton R., Pittsburgh, Pa. Making high-finish sheets. 1,656,892; Jan. 17.
- Showell, Sam H., McKees Rocks, Pa. Method of and apparatus for supporting the side walls of excavations. 1,696,421; Dec. 25.
- Showers, Lee, Charleroi, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass-rolling apparatus. 1,676,056; July 3.
- Shpater, David, Brooklyn, N. Y. Fan attachment for sewing machines. 1,684,601; Sept. 18.
- Shrader, Arthur T., New Albany, Ind. Take-down table. 1,675,827; July 3.
- Strauger, Darius E., Atlantic, Iowa. Scalding tank for fowls. 1,660,583; Feb. 28.
- Shredded Wheat Company, The. (See Webster, Earl P., assignor.)
- Shriner, Robert L., Weehawken, N. J., assignor to Hudson Heating Systems, Inc., New York, N. Y. Making electrical heaters. 1,682,956; Aug. 28.
- Shrosdree, George, Portland, Oreg. Lamp stand. Des. 76,642; Oct. 16.
- Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric waffle iron. 1,655,665; Jan. 10.
- Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,658,692; Feb. 7.
- Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electrically-heated device. 1,680,748; Aug. 14.
- Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,680,749; Aug. 14.
- Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Regulating temperature. 1,685,647; Sept. 25.
- Shroyer, Jacob L., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Toaster. 1,696,613; Dec. 25.
- Shrum, Peter J., Monaca Heights, assignor to Colona Manufacturing Company, Pittsburgh, Pa. Making thread protectors. 1,672,694; June 5.
- Shrum, Peter J., Monaca, assignor to Colona Manufacturing Company, Pittsburgh, Pa. Thread protector. 1,675,142; June 26.
- Shrum, Peter J., Monaca, assignor to Colona Manufacturing Company, Pittsburgh, Pa. Thread protector. 1,675,143; June 26.
- Shue, John L., Shawnee, Okla. Batch hopper for concrete material. 1,682,354; Aug. 28.
- Shuell, Frank W., assignor to The Ever Hot Heater Co., Detroit, Mich. Water heater. 1,689,935; Oct. 30.
- Shuell, Frank W., and E. E. Ledbetter, assignors to The Ever Hot Heater Company, Detroit, Mich. Internal-combustion radiator unit. 1,685,870; Oct. 2.
- Shugart, Elmer E. (See Powell, George E., assignor.)
- Shugart, Herbert A., Santa Ana, Calif. Making tile clay products and apparatus therefor. 1,695,119; Dec. 11.
- Shulan, David H., Akron, Ohio. Finger ring. Des. 77,131; Dec. 4.
- Shuler, Harry V., Spencer, Nebr. Corn-husking machine. 1,666,796; Apr. 17.
- Shulhof, Otto B., New York, N. Y. Luminescent advertising sign. 1,693,059; Nov. 27.
- Shulik, William. (See Lichten, A. S., Koufman, and Shulik.)
- Shull, Robert R. (See Wilson, W. W., Deakins, and Shull.)
- Shull, William G. (See Currier, H. D., and Shull.)
- Shulman, Isidor, et al. (See Tait, Wilfred E., assignor.)
- Shulman, Isidor, Brooklyn, N. Y. Holding frame for drawings and the like. 1,690,137; Nov. 6.
- Shulman, Meyer, et al. (See Tait, Wilfred E., assignor.)
- Shulman & Sons. (See Tait, Wilfred E.)
- Shults, Herbert O., assignor to E. L. Mansure Company, Chicago, Ill. Upholstery braid. Des. 77,330; Dec. 25.
- Shultz, Albert B., Buffalo, N. Y. Shock absorber. 1,695,933; Dec. 18.
- Shultz, Earle, Chicago, Ill. Steam heating system. 1,654,759; Jan. 3.
- Shultz, Earle, Chicago, Ill., assignor to Warren Webster & Company, Camden, N. J. Steam heating system. Re16,985; June 5.
- Shultz, John L., assignor of one-third to H. Kline, Bellefonte, Pa. Air-hose-coupling safety device. 1,661,635; Mar. 6.
- Shultz, Llewellyn B., assignor to Pilley Packing & Flue Brush Manufacturing Company, St. Louis, Mo. Scraping tool. 1,685,380; Sept. 25.
- Shuman, Arno. (See Cox, W., and Shuman.)
- Shuman, Henry A., Fairbury, Nebr. Helicopter. 1,666,315; Apr. 17.
- Shumer Brothers Company, The. (See Schumer, John.)
- Shupert, Frank W. (See Stevens, H. R., Parker, Shupert, and Benson.)
- Shupert, Frank W., Sanford, Fla. Stay-bolt construction. 1,691,828; Nov. 13.
- Shure, Julius, Chingford, England. Fountain-pen and pencil clip. 1,679,232; July 31.
- Shur Loc Elevator Safety Corporation. (See Darby, John, assignor.)
- Shur Loc Elevator Safety Corporation. (See Darby, J., and Old, assignors.)
- Shur Loc Elevator Safety Corporation. (See McCormick, Harold V., assignor.)
- Shur-On Standard Optical Company. (See Jerry, Carl R., assignor.)
- Shur-On Standard Optical Company. (See Long, Eli M., assignor.)
- Shurts, George J. (See Atkinson, R. W., and Shurts.)
- Shuster, F. B., Company, The. (See Matteson, George F., assignor.)
- Shute, Miles L., near Richmond, Ind. Attachment for self binders. 1,689,185; Oct. 23.
- Shuter, Alfred D. (See Smith, W. S., and Shuter.)
- Shutt, Jesse R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 1,663,923; Mar. 27.
- Shutter, Walter G., assignor to West Haven Foundry Co., West Haven, Conn. Book end. Des. 75,391; May 29.
- Shuttleworth, John, Altrincham, assignor to Linotype and Machinery Limited, London, England. Side-register device for printing machines. 1,662,588; Mar. 13.
- Shwayder, Benjamin H., Denver, Colo. Traveling bag, suitcase, and the like. 1,690,507; Nov. 6.
- Shwayder, Maurice B., assignor to Shwayder Trunk Manufacturing Co., Denver, Colo. Handle for traveling bags, suitcases, etc. 1,667,567; Apr. 24.
- Shwayder Trunk Manufacturing Co. (See Shwayder, Maurice B., assignor.)
- Siakel, Daniel. (See Miller, A. P., and Siakel.)
- Siano, Felix L., Salem, Mass. Crossing safety device and operating mechanism therefor. 1,661,051; Feb. 28.
- Sibley, Edward L., Bennington, Vt. Making eyelets. 1,675,913; July 3.
- Sibley, Edwin J., Westbury, N. Y. Casement window. 1,681,260; Aug. 21.
- Sibley, Edwin J., Westbury, N. Y. Combined shutter hook and spring. 1,681,261; Aug. 21.
- Sibley, James T. (See Shaw, S. H., and Sibley.)
- Sibley, James T., assignor to S. & U. Holding Company Inc., New York, N. Y. Impulse electric motor. 1,681,649; Aug. 21.
- Sibley, Wesley B., assignor to Acme Devices Corporation, Detroit, Mich. Valve for grease guns. 1,656,763; Jan. 17.
- Sibson, Walter W. (See Allsop, T., and Sibson.)
- Sibson, Walter W., and H. H. Wigglesworth, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,690,436; Nov. 6.
- Sicard, Séraphin, assignor of fifty per cent to M. A. Rebicheon, Paris, France. Device for stretching and fastening hoops for boxes and the like. 1,663,616; Mar. 27.
- Sickles, Frank W., Springfield, Mass. Inductance. 1,680,955; Aug. 14.
- Siddall, Joseph, Arlington, and W. H. Siddall, Kearny, N. J., assignors to New Jersey Fire Alarm Company. Automatic fire alarm. 1,665,381; Apr. 10.
- Siddall, William H. (See Siddall, Joseph and W. H.)
- Side, Sarah R., Brooklyn, N. Y. Article rack. 1,661,098; Feb. 28.
- Side, Sarah R., Brooklyn, N. Y. Article cabinet. 1,665,986; Apr. 10.
- Sidebotham, Melvin H., (See LaBombard, L. E., and Sidebotham.)
- Sideman, Reuben, San Francisco, Calif. Show case. 1,678,088; July 24.
- Sidon, Ignatz, Astoria, N. Y. Book carrier. 1,679,183; July 31.
- Sidway-Topliff Company. (See Wolfe, George N., assignor.)
- Sidwell, Ernest W., Kettering, England. Foot and last measuring apparatus. 1,670,693; May 22.
- Sieben, Henry, New York, N. Y. Valve housing. 1,690,461; Nov. 6.
- Siebenbürger, Hugo. (See Mayer, B., and Siebenbürger.)
- Siebenmann, Daniel, Bern, Switzerland. Fire extinguisher. 1,674,667; June 26.
- Sieber Products Manufacturing Company. (See Ben-trup, Harry R., assignor.)

- Sieber Products Manufacturing Company. (See Rubin, Adolph, assignor.)
- Siebers, Willibald, Amsterdam, Netherlands. Electrical registering device. 1,695,668; Dec. 18.
- Siebert, Alfred H., assignor to St. Louis Butchers' & Hotel Supply Co., St. Louis, Mo. Display refrigerator. 1,694,147; Dec. 4.
- Siebert, O. W., Company. (See Siebert, Otto W., assignor.)
- Siebert, Otto, Dessau, K. Thiess, Hochst-on-the-Main, B. Schöner, Wolfen, near Bitterfeld, R. Schmidlin, Hochst-on-the-Main, W. Benade, Dessau, and B. Deicke, Hochst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Water-soluble dyestuff and producing same. 1,684,330; Sept. 11.
- Siebert, Otto W., assignor to O. W. Siebert Company, Gardner, Mass. Carriage-hood window. 1,665,116; Apr. 3.
- Siebert, Selmar R., et al. (See Goldkamp, Otto B., assignor.)
- Siebert, Willy, Chicago, Ill. Soldering iron. 1,658,947; Feb. 14.
- Siebs, Claude T., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic temperature regulator. 1,655,847; Jan. 10.
- Siebs, Claude T., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Heater. 1,690,379; Nov. 6.
- Siefken, George R., New York, N. Y. Ventilating device. 1,678,654; July 31.
- Sieg, Karl. (See Langston, S. M., and Sleg.)
- Siegel, Abraham A., assignor to D. Siegel, New York, N. Y. Coat. 1,686,577; Oct. 9.
- Siegel, Clarence L., Chicago, Ill. Display frame. 1,692,999; Nov. 27.
- Siegel, David. (See Siegel, Abraham A., assignor.)
- Siegel, Harry, New York, N. Y. Blanket fastener. Des. 74,282; Jan. 17.
- Siegel, Joseph, assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,659,008; Feb. 14.
- Siegel, Joseph, assignor to American Lady Corset Company (Inc.), Detroit, Mich. Garment. 1,667,827; May 1.
- Siegel Light Supply Company. (See Shapiro, Philip C., assignor.)
- Siegel, Maude, assignor to Franklin Simon & Company, Inc., New York, N. Y. Dress. Des. 77,040; Nov. 27.
- Siegel, Samuel, New York, N. Y. Combined shower cabinet and tub. 1,664,491; Apr. 3.
- Siegel, William H. M., Stade, near Hamburg, Germany. Sounding board for pianos. 1,680,180; Aug. 7.
- Siegenthaler, Bertha, Zurich, Switzerland. Girdle bodice. 1,673,376; June 12.
- Sieger, Lawrence, assignor to Union Bed and Spring Company, Chicago, Ill. Bed spring. 1,659,054; Feb. 14.
- Sieghelm, Fritz, Berlin, Germany. Manufacture of double-walled glass vessels. 1,674,182; June 19.
- Siegmund, Humphreys O., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrolyte. 1,675,828; July 3.
- Siegmund, Humphreys O., West Orange, and B. E. Brown, Mountain Lakes, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrolytic cell. 1,655,026; Jan. 3.
- Siegrist, George R., Port Huron, Mich. Lubricating system. Re17,126; Nov. 6.
- Siegrist, George R., Port Huron, Mich. Inductance coil and selective control switch therefor. 1,679,503; Aug. 7.
- Siegrist, Hermann, Frankfurt-on-the-Main, Germany. Turntable for motor-driven vehicles. 1,689,160; Oct. 23.
- Siemann, Henry M., Fort Lupton, Colo. Beet harvester. 1,657,183; Jan. 24.
- Siemann, John C. (See Hess, R. W., and Siemann.)
- Siemann, John H., Brooklyn, N. Y. Laundry-machine-locking mechanism. 1,659,474; Feb. 14.
- Siemens & Halske. (See Hübner, Alfred, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Ahrberg, F., Keinath, and Schrader, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Albrecht, Dieter, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Arndt, Hermann, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Clausing, Arthur, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Döring, F., and Kalbitz, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Feldtkeller, Richard, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Fischer, Hellmut, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Gerdien, Hans, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Gerlach, Erwin, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Gross, Reinhold, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Karsten, H., and Küpfmüller, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Kath, Willy, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Kroll, Walter, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Küpfmüller, Karl, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Masing, G., and Dahl, assignors.)
- Siemens & Halske Aktiengesellschaft. (See Pinell, Walter, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Preuss, Alexander B., assignor.)
- Siemens & Halske Aktiengesellschaft. (See Rassow, Horst, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Scheunert, Alfred, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Schmick, Hans, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Sell, Helmut, assignor.)
- Siemens & Halske Aktiengesellschaft. (See von Beckenrath, Hans, assignor.)
- Siemens & Halske Aktiengesellschaft. (See von Marchthal, Eduard M., assignor.)
- Siemens & Halske Aktiengesellschaft. (See Weeber, Otto, assignor.)
- Siemens & Halske Aktiengesellschaft. (See Zuschlag, Theodor, assignor.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Böhme, K., and Giese, assignors.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Flad, Arthur, assignor.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Pinell, Walter, assignor.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Quassowski, Paul, assignor.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Scheunert, Alfred, assignor.)
- Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Tauchmann, Georg, assignor.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Waschneck, Adolf, assignor.)
- Siemens & Halske Aktiengesellschaft Wernerwerk. (See Weeber, Otto, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Kuhl, Leo, assignor.)
- Siemens-Schuckertwerke Aktiengesellschaft. (See Lotz, Albert, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Altenkirch, Edmund, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Eule, Martin, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Hauff, Ferdinand, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Menz, Gustav, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rohn, Wilhelm, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rüdenberg, Reinhold, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rüdenberg, R., Berthold, and Donat, assignors.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Stassinot, Theodor, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Steiner, L., and Gutmann, assignors.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Stender, Waldemar, assignor.)
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Weibert, Helmut, assignor.)
- Siemering, Herman. (See Kremski, F., and Siemering.)
- Siena, Edward U., Cleveland, Ohio. Valve. 1,685,298; Sept. 25.
- Sieveking, Martinus, New York, N. Y. Fixed radiocoupler. 1,672,396; June 5.
- Sieverkropp, Henry R., Racine, Wis. Bottle-capping machine. 1,655,848; Jan. 10.
- Sievern, Fredrick, McKeesport, Pa. Chain hook. 1,662,940; Mar. 20.
- Sievern, Fredrick, McKeesport, Pa. Tool. 1,696,019; Dec. 18.
- Sievers, Arthur W., Valparaiso, Ind., assignor to N. S. Amstutz. Scintillating sign. 1,684,369; Sept. 11.
- Sievett, Charles W., Los Angeles, Calif. Oil burner. 1,670,386; May 22.
- Sievert, Ernst G., and H. Svensson, Sundbyberg, near Stockholm, Sweden. High-tension cable adapted for small currents. 1,656,329; Jan. 17.
- Sievert, Ernst G., and H. Svensson, Sundbyberg, near Stockholm, Sweden. High-tension cable to prevent a breaking down of the insulation. 1,665,191; Apr. 3.
- Sievert, Ernst G., and H. Svensson, Sundbyberg, near Stockholm, Sweden. Voltage-gradient regulator for high-tension cable ends. 1,667,743; May 1.
- Sifkovitz, George, Detroit, Mich. Hose reel. 1,659,788; Feb. 21.
- Sigler, Carlton C., Cleveland, Ohio. Paper clip. 1,666,514; Apr. 17.
- Signal Automatic Company. (See Delmanhorst, Herman F., assignor.)
- Signal Gesellschaft m. b. H. (See Hahnemann, Walter, assignor.)
- Signal Gesellschaft m. b. H. (See Rudolph, Wilhelm, assignor.)
- Signal Gesellschaft mit beschränkter Haftung. (See Habenmann, W., and Hecht, assignors.)

- Signal Gesellschaft mit beschränkter Haftung. (See Hahnemann, W., Hecht, and Nielsen, assignors.)
- Signal Gesellschaft mit beschränkter Haftung. (See Lichte, Hugo, assignor.)
- Signal Gesellschaft mit beschränkter Haftung. (See Rudolph, W., and Wolff, assignors.)
- Signal, John. (See McCallum, Guyl, assignor.)
- Signode System, Inc. (See Angel, Augustus, assignor.)
- Signore, James W., Ellicottville, N. Y. Door-latching mechanism for automobiles. 1,662,985; Mar. 20.
- Sigrist, Augustus J., Highland Park, assignor to William J. Rankin, Chicago, Ill. Display stand and the like. 1,670,526; May 22.
- Sigrist, Fredrick, Oxshott, and S. Camm, Long Ditton, England. Skeleton structure such as aircraft fuselage. 1,691,362; Nov. 13.
- Sikes, Thomas E., Greensboro, N. C. Dental X-ray film holder. 1,667,442; Apr. 24.
- Sikorski, Frank, Bridesburg, Pa. Stabilizing device for aeroplanes. 1,672,785; June 5.
- Sikorski, Frank, Bridesburg, Pa. Brush. 1,683,494; Sept. 4.
- Silbar, Ulysses S., Grand Rapids, Mich. Paper package. 1,662,080; Mar. 13.
- Silbaugh, George W., Charleroi, Pa. Nut. 1,691,829; Nov. 13.
- Silberhartz, Jacob. (See Scheiner, H., and Silberhartz.)
- Silberhartz, Jacob and P., and I. Rosenblatt, Brooklyn; said Rosenblatt assignor to Majestic Lamp Works, New York, N. Y. Aquarium stand. Des. 74,394; Feb. 7.
- Silberhartz, Jacob and P., and I. Rosenblatt, Brooklyn; said Rosenblatt assignor to Majestic Lamp Works, New York, N. Y. Aquarium stand. Des. 74,395; Feb. 7.
- Silberhartz, Philip. (See Scheiner, H., and Silberhartz.)
- Silberhartz, Philip. (See Silberhartz, Jacob and P., and Rosenblatt.)
- Silberhartz, Philip, Brooklyn, assignor to Majestic Lamp Works, New York, N. Y. Lamp base or analogous article. Des. 74,632; Mar. 6.
- Silberhartz, Philip, Brooklyn, assignor to Majestic Lamp Works, New York, N. Y. Lamp base or article of analogous nature. Des. 76,064; Aug. 14.
- Silberhartz, Philip, Brooklyn, assignor to Majestic Lamp Works, New York, N. Y. Smoker's stand. 1,679,791; Aug. 7.
- Silberman, Harry A., Jersey City, N. J. Dentist's kit and instrument support. 1,684,417; Sept. 18.
- Silberstang, Jacob, assignor of one-half to J. I. Saks, New York, N. Y. Toothbrush. 1,690,706; Nov. 6.
- Silcock Airadiator Corporation. (See Daun, Carl L., assignor.)
- Silen, Erick, Stella, Wash. Steamer. 1,673,164; June 12.
- Silent Automatic Corporation. (See Dowrie, Charles F., assignor.)
- Silent Glow Oil Burner Corporation, The. (See Lapointe, Albert A. and D. H., assignors.)
- Silent Glow Oil Burner Corporation. (See Sherman, Rallston M., assignor.)
- Silent, Harold C., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. High-frequency modulating system. 1,662,081; Mar. 13.
- Silent, Harold C., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Reducing body-capacity effects on loop-antenna systems. 1,666,947; Apr. 24.
- Silent, Harold C., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Suppression of echoes and singing in four-wire circuits. 1,690,182; Nov. 6.
- Silent Salesman Co., The. (See Reyher, Henry E., assignor.)
- Silent Watchman Corporation, The. (See Joseph, Theodore H., assignor.)
- Silesia Verein Chemischer Fabriken. (See Flemming, Walter, assignor.)
- Silesia Verein Chemischer Fabriken Ida- und Marienhütte. (See Flemming, W., and Klein, assignors.)
- Silica Gel Corporation, The. (See Miller, Ernest B., assignor.)
- Silica Gel Corporation. (See Miller, E. B., and Connolly, assignors.)
- Silica Gel Corporation, The. (See Patrick, Walter A., assignor.)
- Silica Gel Corporation, The. (See Patrick, W. A., and Barclay, assignors.)
- Silica Gel Corporation, The. (See Patrick, W. A., and Miller, assignors.)
- Silkwood, T. M., et al. (See Simpson, Arthur E., assignor.)
- Siller, Karl, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Gas-supported airship. 1,679,550; Aug. 7.
- Siller, Lenhart G., Sacramento, Calif. Sliding and pivoted window. 1,683,419; Sept. 4.
- Silva, Albert D. (See Farrand, C. L., Ross, and Silva.)
- Silva, Juan N., Wickliffe, Ohio. Kiln attachment. 1,673,597; June 12.
- Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Signaling device for cross-feed mechanisms. 1,687,398; Oct. 9.
- Silver, Arthur E., New York, N. Y. Brewing utensil. 1,664,226; Mar. 27.
- Silver, Benjamin J., Gloversville, N. Y. Shoe inner sole. 1,677,105; July 10.
- Silver, James W., Ogden, Utah. Endless screen conveyor. 1,657,414; Jan. 24.
- Silver, James W., Ogden, Utah. Beet dump. 1,665,181; Apr. 3.
- Silver, James W., Ogden, Utah. Molding machine. 1,673,889; June 19.
- Silver, Jesse W., Tacoma, Wash. Propeller for dirigible airship. 1,675,914; July 3.
- Silver, Joseph A., New York, N. Y. Railroad sleeper and rail fastening. 1,659,616; Feb. 21.
- Silver, Joseph A., New York, N. Y. Railroad-rail fastening. 1,675,993; July 3.
- Silver Lake Company. (See Le Baron, Arthur L., assignor.)
- Silver, Myer S., Boston, Mass. Making auxiliary heel linings. 1,696,129; Dec. 18.
- Silver, Robert, Knightstown, Ind. Funeral car. 1,680,811; Aug. 14.
- Silver Springs Bleaching & Dyeing Company Limited, The. (See Hall, Archibald J., assignor.)
- Silverman, Harry J. (See Ebenhart, Joseph, assignor.)
- Silverman, Jacob F., Brooklyn, N. Y. Pocket-space stamping machine. 1,681,882; Aug. 21.
- Silverman, Joseph, Chicago, Ill. Shoe-shining stand. 1,685,648; Sept. 25.
- Silverman, Samuel, assignor to Roof Strainer Corporation, New York, N. Y. Roof strainer. 1,674,347; June 19.
- Silverman, Wulf, New York, N. Y. Smoker's lamp. 1,693,620; Dec. 4.
- Silvers, Harry, et al. (See Weaver, Samuel L., assignor.)
- Silvers, John C., Dallas, Tex. Bottle carrier. 1,659,122; Feb. 14.
- Silvers, Silas, Detroit, Mich. Tuning attachment for pipe-organ pipes. 1,691,674; Nov. 13.
- Silverstein, Oscar. (See Van Valkenberg, Eber H., assignor.)
- Silverston, Anthony R., assignor to Coke Reclamation Corporation, New York, N. Y. Separation apparatus and process. 1,689,536; Oct. 30.
- Silverthorne, Edwin, et al. (See Coupland, Ernst, assignor.)
- Silvester, Robert H., and A. Bates, Leicester, England, assignor to United Shoe Machinery Corporation. Paterson, N. J. Pulling-over machine. 1,656,365; Jan. 17.
- Silvestre, Auguste E., Paris, France. Novel vise for machine tools. 1,671,211; May 29.
- Silvey, Claudia I., administratrix. (See Isbell, John F.)
- Sime, William B., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Balanced blade for golf clubs. 1,671,956; May 29.
- Sinek, Wendel, Guttenberg, N. J. Corn roaster. 1,665,225; Apr. 10.
- Simescu, Marin M., Youngstown, Ohio. Trimming and cutting tool. 1,681,688; Aug. 21.
- Simington, Francis J., Chicago, Ill. Fluid purifier. 1,667,954; May 1.
- Simkus, Howard D., and J. Burkhardt, Cleveland, Ohio, assignors to The Superior Screw & Bolt Manufacturing Company. Machine for making nut blanks and similar articles. 1,677,151; July 17.
- Simmen, Frank P., San Mateo, assignor to Sunset Feather Company, San Francisco, Calif. Feather-washing machine. 1,676,713; July 10.
- Simmermann, Joseph E., St. Louis, Mo. Steam injector for combustion engines. 1,672,992; June 12.
- Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,680,394; Aug. 14.
- Simmon, Karl A., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,686,040; Oct. 2.
- Simmons, Albert D., Cleveland, Ohio. Producing a decorative wall covering. 1,659,056; Feb. 14.
- Simmons, Albert H., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,673,712; June 12.
- Simmons, Albert H., Wheaton, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,683,211; Sept. 4.
- Simmons, Bert J., Stillwater, Minn. Inductance apparatus. 1,662,132; Mar. 13.
- Simmons, Charles B. (See Delaval-Crow, T. C., and Simmons.)
- Simmons, Charles F. (See Merseles, H. E., and H. R. Simmons, and Engel.)
- Simmons Company. (See Busch, Charles H., assignor.)
- Simmons Company. (See Frederick, Clarence H., assignor.)
- Simmons Company. (See Gail, John F., assignor.)
- Simmons Company. (See Harman, Frank B., assignor.)
- Simmons Company. (See Hirsch, J. H., and Gail, assignors.)
- Simmons Company. (See Huettner, Peter E., assignor.)
- Simmons Company. (See Kusterle, Frank, assignor.)
- Simmons Company. (See Mathewson, Wilfred B., assignor.)
- Simmons Company. (See O'Connor, Cornelius C., assignor.)
- Simmons Company. (See Vollmer, William A., assignor.)
- Simmons, Frank L., assignor to The Taft-Pierce Manufacturing Company, Woonsocket, R. I. Magnetic chuck. 1,665,226; Apr. 10.

- Simmons, Fred W., Grand Island, Nebr. Wire tightener and stretcher. 1,669,678; May 15.
- Simmons, Frederick C., Highland Park, Pa., assignor to Pioneer Suspender Company. Edge finishing. 1,692,871; Nov. 27.
- Simmons Glare Shield Company. (See Simmons, William A., assignor.)
- Simmons, Harvey O., Schenectady, N. Y., assignor to General Electric Company. Tension indicator for brush holders. 1,693,319; Nov. 27.
- Simmons, James O., sr. (See Morrison, L., and Simmons.)
- Simmons, John J., San Jose, Calif. Curtain stretcher. 1,678,921; July 31.
- Simmons Limited. (See Mingle, W., and Jackson, assignors.)
- Simmons, Nolie, Detroit, Mich. Hair curling and waving device. 1,673,127; June 12.
- Simmons, Oliver G., Lakewood, Ohio. Machine for grinding the teeth of gears and gear-shaped cutters. 1,659,379; Feb. 14.
- Simmons, Oliver G., Lakewood, Ohio. Controlling movements of work-carrying spindle with respect to a cutting element in gear-grinding machines and the like. 1,662,589; Mar. 13.
- Simmons, Oliver G., Lakewood, Ohio. Tape-actuated wedging means for use in gear-grinding machines. 1,668,824; May 8.
- Simmons, Oliver G., Lakewood, Ohio. Method of and apparatus for testing the teeth of gears and the like. 1,670,906; May 22.
- Simmons, Paul R., assignor to Paramount Paper Products Company, Indianapolis, Ind. Machine for manufacturing paper cups. 1,667,498; Apr. 24.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting sheet material. 1,655,439; Jan. 10.
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Feeding mechanism. 1,676,293; July 10.
- Simmons, Richard P., New York, N. Y. Well-pumping apparatus. 1,687,399; Oct. 9.
- Simmons, William A., assignor to Simmons Glare Shield Company, Eldon, Mo. Glare shade. 1,684,418; Sept. 18.
- Simmons, William D. M., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Copyholder. 1,675,060; June 26.
- Simms, Frederick R., assignor of one-half to Simms Motor Units Ltd., London, England. Tool or appliance for facilitating the mounting of shaft couplings. 1,683,311; Sept. 4.
- Simms Motor Units Ltd. (See Simms, Frederick R., assignor.)
- Simon, Aaron, Brooklyn, and L. Yentis, Jackson Heights, N. Y. Cigar lighter or similar article. Des. 76,265; Sept. 4.
- Simon, Arthur. (See Stevens, W. C., and Simon.)
- Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric controller. 1,682,938; Sept. 4.
- Simon, Charles L., Beardsley, Minn. Rope holder. 1,682,994; Sept. 4.
- Simon, D. B., et al. (See Nye, Sherman G., assignor.)
- Simon, Ernst, Werden-on-the-Ruhr, Germany. Apparatus for charging fireplaces with highly-inflammable loose fuel. 1,667,703; Apr. 24.
- Simon, Franklin & Company. (See Burns, Katherine E., assignor.)
- Simon, George J., St. Louis, Mo. Culinary utensil. 1,661,974; Mar. 6.
- Simon, Irwin B., San Francisco, Calif. Hat. Des. 76,902; Nov. 13.
- Simon, Leo, New York, assignor to S. Stern, Brooklyn, N. Y. Paint and varnish remover. 1,657,323; Jan. 24.
- Simon, Leopold, New York, N. Y. Light screen and ventilator. 1,665,679; Apr. 10.
- Simon, Louis J., London, England. Terminal for electric and wireless connections. 1,676,967; July 10.
- Simon, Max. (See Heusner, K., and Simon.)
- Simon, Paul J., Philadelphia, Pa. Support. 1,668,429; May 1.
- Simon, R. & H., Company. (See Castro, Jeanne, assignor.)
- Simon, Richard, San Francisco, and D. C. Butts, Oakland, Calif., said Butts assignor to said Simons. Novelty savings bank. 1,655,199; Jan. 3.
- Simon, Samuel, Brooklyn, N. Y. Identification button. Des. 74,195; Jan. 3.
- Simon, Stone W., Beaumont, Tex. Milk-bottle-cap remover. 1,662,941; Mar. 20.
- Simon, William J., Brooklyn, assignor to L. D. Bloch & Company, New York, N. Y. Handle for a smoking table. Des. 76,358; Sept. 18.
- Simonds-Dayton, A. A., Company, The. (See Simonds, Herbert R., assignor.)
- Simonds, Dewey T., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,694,237; Dec. 4.
- Simonds, Francis M., New York, N. Y. Furnace for treating ores. 1,693,702; Dec. 4.
- Simonds, Francis M., assignor of one-half to A. F. Hyde, New York, N. Y. Process and apparatus for magnetic separation. 1,660,362; Feb. 28.
- Simonds, Herbert R., assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio. Roll for beating engines. 1,684,521; Sept. 18.
- Simonds Saw and Steel Company. (See Howard, Leslie E., assignor.)
- Simonds Saw and Steel Company. (See Howard, L. E., and Poets, assignors.)
- Simonds, Warren J., and J. G. Spear, assignors to Rodney-Hunt Machine Company, Orange, Mass. Joining wood pieces for making rolls. 1,675,387; July 3.
- Simons, Abraham, New York, N. Y. Diamond lathe tool. 1,677,055; July 10.
- Simons Bros. Company. (See Simons, Frederick M., assignor.)
- Simons, Donald M., Osborne, Pa., assignor by mesne assignments to General Cable Corporation. Cable structure. 1,674,070; June 19.
- Simons, Donald M., Osborne, Pa., assignor, by mesne assignments, to General Cable Corporation. Cable joint. 1,680,231; Aug. 7.
- Simons, Ernest D., Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener slide. 1,696,586; Dec. 25.
- Simons, Eugene A., Marcus, Iowa. Operating table. 1,656,835; Jan. 17.
- Simons, Franklin, & Company. (See Schmolze, Mildred C., assignor.)
- Simons, Frederick M., Bowling Green, Pa., assignor to Simons Bros. Company. Display tray. 1,678,449; July 24.
- Simons, Harry C., et al. (See Shepperack, Joseph E., assignor.)
- Simons, Thomas A., Rockford, Ill. Foot-pedal switch for traffic signals. 1,670,050; May 15.
- Simons, Vening D. (See Woodhead, Robert, assignor.)
- Simonsen, Edward H., assignor to R. M. Eddy Foundry Company, Chicago, Ill. Wrench. 1,680,956; Aug. 14.
- Simonsen, Lorence G., Benson, Nebr. Gas-expelling device. 1,667,443; Apr. 24.
- Simonson, Sigvard, Hammond, Ind. Draft key. 1,654,611; Jan. 3.
- Simonton, C. B. (See Simonton, John H., assignor.)
- Simonton, Frank V., Ross, Calif., assignor to The Regents of the University of California. Film holder for dental work. 1,657,230; Jan. 24.
- Simonton, John H., Brighton, assignor of forty-eight per cent to C. B. Simonton, Covington, Tenn. Combination locking bolt and opening and closing device for car doors. 1,692,908; Nov. 27.
- Simpkins, Victor L. (See Murray, G., and Simpkins.)
- Simplex Automotive Products Company. (See Ritchey, Harry G., assignor.)
- Simplex Equipment Company. (See Creveling, John L., assignor.)
- Simplex Ice and Manufacturing Company. (See Lee, Aubrey M., assignor.)
- Simplex Paper Box Co. (See Gross, Ralph A., assignor.)
- Simplex Paper Corporation. (See Wood, Frederick P., assignor.)
- Simplex Piston Ring Company. (See Solenberger, Dean M., assignor.)
- Simplex Piston Ring Co. of America, Inc., The. (See Brush, Alanson P., assignor.)
- Simplex Piston Ring Company of America, Inc., The. (See Solenberger, Dean M., assignor.)
- Simplex Player Action Company. (See White, Frank C., assignor.)
- Simplex Radio Devices, Inc. (See Hall, Frederick P., assignor.)
- Simplex Refining Company. (See Pyzel, Daniel, assignor.)
- Simplex Sampling Association, Inc. (See Stenz, Bernard F., assignor.)
- Simplex Ticket Company, The. (See Freeman, Charles A., assignor.)
- Simplex Universal Joint, Inc. (See Edwards, Eugene P., assignor.)
- Simplicity Engineering Company. (See Soldan, L. E., and Behnke, assignors.)
- Simpson, Arthur E., assignor of one-seventh to H. L. Webb, one-seventh to J. M. Harris, one-seventh to B. H. Webb, one-seventh to T. M. Silkwood, one-seventh to R. P. Blake, and one-seventh to C. E. Pitchford, West, Frankfort, Ill. Rotary pump. 1,664,644; Apr. 3.
- Simpson, Charles W., La Feria, Tex. Antifriction-bearing support for drawers. 1,686,472; Oct. 2.
- Simpson, Charles W., La Feria, Tex. Antifriction-bearing support for drawers. 1,686,473; Oct. 2.
- Simpson, Charles W., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Crank-handle safety device for multiple-spindle screw machines. 1,692,315; Nov. 20.
- Simpson, Eddie O., Tarrant, assignor of one-half to F. I. Tarrant, Birmingham, Ala. Interlocking stovepipe blank. 1,687,738; Oct. 16.
- Simpson, Fredrick C. (See Allen, G. jr., and Simpson.)
- Simpson, George F., assignor to The Prosperity Company Inc., Syracuse, N. Y. Burn guard. 1,669,063; May 8.
- Simpson, George N., Chicago, Ill. Cylinder-grinding machine. 1,686,181; Oct. 2.
- Simpson, Harry L. (See Reynolds, D., and Simpson.)
- Simpson, Herbert A., East Lansing, Mich. Collapsible partition. 1,655,515; Jan. 10.
- Simpson, Herbert A., Lansing, Mich. Dining-table cabinet. 1,655,516; Jan. 10.
- Simpson, Herbert A., East Lansing, Mich. Hanger rod. 1,679,881; Aug. 7.

- Simpson, Hiram R., San Francisco, Calif. Lock device. 1,667,223; Apr. 24.
- Simpson, James T., Macon, Ga. Floor-scraping machine. 1,688,759; Oct. 23.
- Simpson, Jessie F. (See Strickler, E. F., and Simpson.)
- Simpson, Joseph T., Chicago, Ill. Mixing machine. 1,670,750; May 22.
- Simpson, Kenneth M., New York, N. Y. Treating flue dust. 1,661,636; Mar. 6.
- Simpson, Lowe, Cincinnati, Ohio. Counterbalancing means for vibrating devices. 1,668,984; May 8.
- Simpson, Lowe E., Cincinnati, Ohio. Envelope. 1,668,985; May 8.
- Simpson, Orval L., La Paz, Ind. Resupplying air to water-distributing systems. 1,659,710; Feb. 21.
- Simpson, R. A., Manufacturing Company. (See Simpson, Rufus A., assignor.)
- Simpson, Robert J. O., assignor to The L. S. Starrett Company, Athol, Mass. Angle gauge. 1,672,695; June 5.
- Simpson, Robert M., jr., Chicago, Ill. Odometer. 1,684,928; Sept. 18.
- Simpson, Robert W., assignor of one-half to E. A. Kemp, New York, N. Y. Disk-wheel and demountable-rim construction. 1,681,503; Aug. 21.
- Simpson, Rufus A., assignor to R. A. Simpson Manufacturing Company, Oakland, Calif. Window adjuster. 1,659,898; Feb. 21.
- Simpson, Walter S., assignor to The United Electric Company, Canton, Ohio. Vacuum-cleaner attachment. 1,685,299; Sept. 25.
- Simpson, William C., Muskogee, Okla. Fountain comb. 1,686,936; Oct. 9.
- Simpson, William G., Ferndale, Mich. Hydrocarbon turbine engine. 1,683,994; Sept. 11.
- Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Protecting device for gauges. 1,659,670; Feb. 21.
- Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Lock for radiator valves and the like. 1,688,400; Oct. 23.
- Sims, Abraham M., Brooklyn, N. Y. Hand bag and similar article of luggage. 1,691,872; Nov. 13.
- Sims, Carl E., Eastland, Tex. Oil spray. 1,680,645; Aug. 14.
- Sims, Charles A., Odon, Ind. Side lamp for automobiles. 1,655,571; Jan. 10.
- Sims, George D., Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oils. 1,658,420; Feb. 7.
- Sims, James T. (See Stanley, A. M., and Sims.)
- Simsack, Anton S., assignor of one-third to M. Apt. Philadelphia, Pa. Spark-plug transformer. 1,691,996; Nov. 20.
- Simsack, Anton S., assignor of one-third to M. Apt. Philadelphia, Pa. Spark plug. 1,691,997; Nov. 20.
- Sincere, Frank E., Mount Vernon, N. Y. Making phonograph records. 1,671,788; May 29.
- Sincere, Frank E., Mount Vernon, N. Y. Umbrella. 1,695,826; Dec. 18.
- Sinclair, Alfred C., New Orleans, La. Internal-combustion engine. 1,664,091; Mar. 27.
- Sinclair, Daniel, jr., et al. (See Stricker, Charles J., assignor.)
- Sinclair, Ewart G., Maracaibo, Venezuela, assignor to The Midwest Refining Company, Denver, Colo. Mining oil and the like. 1,661,389; Mar. 6.
- Sinclair, Ewart G., Maracaibo, Venezuela, assignor to The Midwest Refining Company, Denver, Colo. Mining oil sands. 1,661,390; Mar. 6.
- Sinclair, George W., Eton, England. Mechanism for transmitting movement. 1,694,834; Dec. 11.
- Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Folding bed. 1,682,023; Aug. 28.
- Sinclair, Neil, assignor to Rip Van Winkle Wall Bed Company, Inc., Oakland, Calif. Wall-bed pivot mounting. 1,693,000; Nov. 27.
- Sinclair Oil and Gas Company. (See Bernard, Harold B., assignor.)
- Sinclair, Peter S., assignor to Holyoke Heater Company, Holyoke, Mass. Hinge construction. 1,671,938; May 29.
- Sinclair Refining Company. (See Bell, John E., assignor.)
- Sinclair Refining Company. (See Bell, J. E., and Isom, assignors.)
- Sinclair Refining Company. (See Erlenbach, Edgar, assignor.)
- Sinclair Refining Company. (See Herthel, Eugene C., assignor.)
- Sinclair Refining Company. (See Herthel, E. C., and Tift, assignors.)
- Sinclair Refining Company. (See Isom, Edward W., assignor.)
- Sinclair Refining Company. (See Isom, E. W., and Bell, assignors.)
- Sinclair Refining Company. (See Isom, E. W., and Herthel, assignors.)
- Sinclair Refining Company. (See Isom, E. W., and Parmalee, assignors.)
- Sinclair Refining Company. (See Isom, E. W., and Vobach, assignors.)
- Sinclair Refining Company. (See Parmalee, C. L., and Isom, assignors.)
- Sinclair Refining Company. (See Perl, John, assignor.)
- Sinclair Refining Company. (See Sloan, Alfred J., assignor.)
- Sinclair Refining Company. (See Tabor, George H., jr., assignor.)
- Sinclair, William H., Berkeley, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Intermittent pressure mechanism for type-impression devices. 1,654,708; Jan. 3.
- Sindall, Robert A., assignor, by mesne assignments, to Mavis Bottling Company of America, Baltimore, Md. Spray attachment for retorts. 1,685,884; Oct. 2.
- Sindelar, Thomas A. (See Smith, F. H., and Sindelar.)
- Sindell, Martin, Tacoma, Wash. Spare-tire carrier. 1,668,926; May 8.
- Sing, Tom. (See Ladd, Charles W., assignor.)
- Singelton, John A., assignor of one-fourth to L. S. Dougan, Columbus, Ohio. Frogless switch. 1,695,720; Dec. 18.
- Singer, Fred J. (See Herman, J., and Singer.)
- Singer, Fred J., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,665,283; Apr. 10.
- Singer, Frederick M., Racine, Wis. Golf-bag support. 1,678,922; July 31.
- Singer, Grove C., Oakland, Ind. Electric lamp. 1,678,606; July 24.
- Singer, Harry, Los Angeles, Calif. Irrigating bottle and syringe. 1,668,986; May 8.
- Singer, Karl. (See Schock, A., and Singer.)
- Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
- Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
- Singer Manufacturing Company, The. (See Card, Frederick M., assignor.)
- Singer Manufacturing Company, The. (See Clayton, Andrew B., assignors.)
- Singer Manufacturing Company, The. (See Diehl, Frederick, assignor.)
- Singer Manufacturing Company, The. (See Eames, George M., assignor.)
- Singer Manufacturing Company, The. (See Eames, G. M., and Webb, assignors.)
- Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
- Singer Manufacturing Company, The. (See Geissler, Ernst, assignor.)
- Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
- Singer Manufacturing Company, The. (See Naul, James M., assignor.)
- Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
- Singer Manufacturing Company, The. (See Taylor, Peter, assignor.)
- Singer Manufacturing Company, The. (See Tivendale, William, assignor.)
- Singer Manufacturing Company, The. (See Waterman, M. L., and Fleckenstein, assignors.)
- Singer, Richard I., Brooklyn, N. Y. Display stand or similar article. Des. 74,396; Feb. 7.
- Singer, Richard I., Brooklyn, N. Y. Display stand or similar article. Des. 74,397; Feb. 7.
- Singer, Richard I., Brooklyn, N. Y. Display stand. Des. 74,524; Feb. 21.
- Singiser, John P., assignor of one-half to M. E. Lehmann, Chicago, Ill. Cutter grinder. 1,656,244; Jan. 17.
- Single Thread Lockstitch Machines Limited. (See Baker, Frederick, assignor.)
- Singletary, Benjamin H., Baton Rouge, La. Tool for balling and removing of plants. 1,663,999; Mar. 27.
- Singley, Christian G., deceased, Manheim; W. A. Singley, administratrix, Philadelphia, Pa. Cigar crimper. 1,655,572; Jan. 10.
- Singley, Leslie K., Prosperity, S. C. Combined carrying case and table. 1,661,015; Feb. 28.
- Singley, Wilhelmina A., administratrix. (See Singley, Christian G.)
- Singmaster, J. A. (See Breyer, Frank G., assignor.)
- Singmaster, James A., Bronxville, N. Y., and F. G. Breyer and E. H. Bunce, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Manufacture of zinc oxide. 1,670,169; May 15.
- Singmaster, James A., Bronxville, N. J., and F. G. Breyer and E. H. Bunce, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Metallurgy of zinc. 1,678,607; July 24.
- Sinks, Charles M., Near Union, Ohio. Automatic paper-straightening attachment for adding machines. 1,654,946; Jan. 3.
- Sinning, Henry F., Grundy Center, Iowa. Crank-case-heating device. 1,683,312; Sept. 4.
- Sioberg, Charles F., assignor to York Safe and Lock Co., York, Pa. Lock. 1,693,731; Dec. 4.
- Siodla, Roman J., Berea, Ohio. Shock-absorbing spring clip. 1,654,612; Jan. 3.
- Sipe, George B., Shreveport, La. Producing subaqueous foundations, piers, breakwaters, etc. 1,665,795; Apr. 10.
- Sipe, George B., Shreveport, La. Providing and placing piers. 1,665,796; Apr. 10.
- Sipe, George B., Shreveport, La. Excavating and producing foundations. 1,665,797; Apr. 10.
- Sipe, George B., Shreveport, La. Producing and placing piles in interlocked relation. 1,665,798; Apr. 10.

- Sipe, George B., Shreveport, La. Producing and placing piles. 1,681,883; Aug. 21.
- Sipe, Harry E., New York, N. Y. Bumper and fender guard. 1,682,858; Sept. 4.
- Sipe, Harry E., New York, N. Y. Signal device. 1,695,827; Dec. 18.
- Sipher, Edmund F. (See Dann, W. M., Hill, and Sipher.)
- Sipp, Grant, Paterson, N. J. Braking attachment for warping and beaming machines. 1,657,044; Jan. 24.
- Sipp, Karl, assignor, by mesne assignments, to Heinrich Lanz Aktiengesellschaft, Mannheim, Baden, Germany. Hardened cast iron. 1,658,467; Feb. 7.
- Sipp, Karl, Mannheim, assignor, by mesne assignments, to H. Lanz Aktiengesellschaft, Mannheim, Baden, Germany. Production of iron castings. 1,678,655; July 31.
- Sippal, William H., et al. (See Brooks, Edward A., assignor.)
- Sippel, Charles B., assignor to Pyratone Products Corporation, Chicago, Ill. Shaft for golf clubs and the like. 1,688,473; Oct. 23.
- Sippel, Harry. (See Nicosia, D. A., and Sippel.)
- Sipprot, Paul, New York, N. Y. Alarm-clock frame. Des. 76,643; Oct. 16.
- Sipprot, Paul, New York, N. Y. Alarm-clock frame. Des. 76,644; Oct. 16.
- Siracusano, Louis J., Astoria, N. Y., assignor to National Fabric and Finishing Company, New York, N. Y. Printed textile fabric or the like. Des. 76,558; Oct. 9.
- Siracusano, Louis J., Astoria, assignor to National Fabric and Finishing Company, New York, N. Y. Printed textile fabric or the like. Des. 77,331; Dec. 25.
- Sirl, Frank J., Lakewood, Ohio. Spring-driven fan. 1,687,996; Oct. 16.
- Siro, Charles R., Aubervilliers, France. Tipping device for wagons. 1,693,874; Dec. 4.
- Sisbower, George F. (See Pottoni, L. E., and Sisbower.)
- Siskin, Harry, Los Angeles, Calif. Theater chair. 1,657,285; Jan. 24.
- Sisler, Charles O., Sault Ste. Marie, Ontario, Canada. Acid proportioning and control system for sulphite mills. 1,671,656; May 29.
- Sisson, Edmund B., Pasco, Wash. Low-level signal. 1,679,060; July 31.
- Sisson, Harry W., Hammond, Ind. Lamp. 1,694,564; Dec. 11.
- Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Reinforced metal structure for railway cars. 1,656,079; Jan. 10.
- Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Reinforced metal structure for railway cars. 1,656,080; Jan. 10.
- Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Positioning device for railway-car couplers. 1,656,081; Jan. 10.
- Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Sheet-metal end for railway cars. 1,664,711; Apr. 3.
- Sisson, Vinton E., assignor, by mesne assignments, to Union Metal Products Company, Chicago, Ill. Corrugated steel end for railway cars. 1,696,650; Dec. 25.
- Sifton, Eugene N., assignor to Pendleton Manufacturing Co., Antun, S. C. Laundry bag with improved selvage and making same. 1,682,198; Aug. 28.
- Sivertsen, Peter, New York, N. Y. Abrading device. 1,677,497; July 17.
- Sivian, Leon J., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. System for secret signaling. 1,654,900; Jan. 3.
- Six, Walter J., Indianapolis, Ind., assignor to B. D. Emanuel, trustee. Making piston rings. 1,686,937; Oct. 9.
- Six, William L., Kansas City, Mo. Oil burner. 1,679,633; Aug. 7.
- Sjoberg, Sidney T. (See Payne, H. D., De Clerque, and Sjoberg.)
- Sjoberg, Nels P., Milwaukee, Wis. Pencil. 1,679,382; Aug. 7.
- Sjoestrom, Kurt, Chicago, Ill. Combined cigar cutter, ash tray, and lighter. Des. 77,190; Dec. 11.
- Sjolin, Ernest, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Socket and switch plug. 1,694,400; Dec. 11.
- Sjostrom, Agnes, Cherokee, Iowa. Chicken brooder. 1,683,926; Sept. 11.
- Skaar, Swen. (See Tjossem, Kinney, assignor.)
- Skaer, Arthur H., Denver, Colo., assignor, by mesne assignments to The Gardner-Denver Company, Quincy, Ill. Drill-steel retainer. 1,689,408; Oct. 30.
- Skaer, Arthur H., T. E. Barker, and O. E. Clark, Denver, Colo., assignors, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Mounting for drums and the like. 1,689,407; Oct. 30.
- Skaggs, Charles E., and B. E. Logan, Bay Point, Calif. Mortise joint. 1,692,586; Nov. 20.
- Skala, Ljubomir W., Riverside, assignor of forty-five one-hundredths to F. J. Schraeder, jr., Glenn Ellyn, Ill. Television. 1,678,132; July 24.
- Skaletsky, Morris H., Brooklyn, N. Y. Strap for belts and the like. 1,662,646; Mar. 13.
- Skarsten, Anders. (See Abrahamsen, Alfred W., assignor.)
- Skaupy, Franz. (See Wolf, H., Koref, and Skaupy.)
- Skaupy, Franz, Berlin, Germany, assignor to General Electric Company. Electric incandescent lamp and manufacturing its illuminating body. 1,659,749; Feb. 21.
- Skaupy, Franz, Berlin, Germany, assignor to General Electric Company. Electric incandescent lamp. 1,675,229; June 26.
- Skaupy, Franz, H. Hoffmann, and H. Schmidt, Berlin, Germany, assignors to General Electric Company. Manufacturing transparent substances from nonmetallic and nontransparent materials. 1,658,659; Feb. 7.
- Skayef Ball Bearing Company, The. (See Styri, Haakon, assignor.)
- Skedgell, David E., assignor to The Millville Manufacturing Company, Millville, N. J. Stop motion for looms. 1,681,887; Aug. 21.
- Skedgell, David E., assignor to Millville Manufacturing Company, Millville, N. J. Stop motion for looms. 1,681,888; Aug. 21.
- Skelding, Louis, Vancouver, British Columbia, Canada. Hot-air heating system. 1,634,044; Sept. 11.
- Skelly, Bernard H., Bridgeport, Conn. Cigar lighter. Des. 75,662; June 26.
- Skelly, James D., et al. (See Gartner, John H., assignor.)
- Skelly, John S., Monongahela, Pa., assignor to International Combustion Engineering Corporation. Automatic stoker. 1,664,903; Apr. 3.
- Skelton, Earl W., and G. R. Knotwell, Wauneta, Nebr. Tractor guide. 1,674,926; June 26.
- Skelton, Prentice E., Indianapolis, Ind. Dishwasher. 1,665,423; Apr. 10.
- Skene, Andrew A. (See Gilson, R. M., and Skene.)
- Skene, Andrew A., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 1,687,111; Oct. 9.
- Skene, Andrew A., Wilkinsburg, and H. A. Thompson, Edgewood Borough, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,663,222; Mar. 20.
- Skertchly, William P., Spondon, near Derby, England, assignor to Celanese Corporation of America. Purification of acetic anhydride. 1,696,363; Dec. 25.
- Skidmore, Benjamin, jr., Chicago, Ill. Apparatus for creating a partial vacuum on the return line of steam heating systems. 1,654,760; Jan. 3.
- Skidmore, Benjamin, jr., Chicago, Ill. Hydroturbine vacuum pumping apparatus. 1,657,555; Jan. 31.
- Skidmore, Benjamin, jr., Chicago, Ill. Fluid-handling, suction, and pressure-creating apparatus. 1,690,254; Nov. 6.
- Skiles, Frank C., Chicago, Ill. Loose-leaf binder. 1,667,744; May 1.
- Skillman, Edward, Bartlesville, Okla., assignor to Doherty Research Company, New York, N. Y. Oil burner. 1,666,268; Apr. 17.
- Skinkle, George E., Cleveland, Ohio. Hose protector. 1,695,745; Dec. 18.
- Skinner, Allan D., assignor to Skinner Engine Company, Erie, Pa. Engine valve gear. 1,656,573; Jan. 17.
- Skinner, Allan D., assignor to Skinner Engine Company, Erie, Pa. Engine. 1,663,144; Mar. 20.
- Skinner, Allan D., assignor to Skinner Patent Holding Company, Erie, Pa. Method of and apparatus for controlling power-driven vehicles. 1,675,388; July 3.
- Skinner, Allan D., assignor to Skinner Engine Company, Erie, Pa. Valve. 1,696,868; Dec. 25.
- Skinner, Asa H., Watervliet, and H. J. Stambaugh, Troy, N. Y. Automatic gun. 1,695,508; Dec. 18.
- Skinner Automotive Device Co. (See Fisher, Robert B., assignor.)
- Skinner Automotive Device Co. (See Skinner, R. L., and Lambert, assignors.)
- Skinner Automotive Device Co. (See Woodward, Arthur A., assignor.)
- Skinner, Bronson C., Dunedin, assignor to Brodrex Company, Winterhaven, Fla. Method of and apparatus for applying paraffin for the preserving of fruit. 1,672,736; June 5.
- Skinner, Bronson C., Dunedin, assignor to The Brodrex Company, Winterhaven, Fla. Apparatus for heating fruit and applying preservatives thereto. 1,672,737; June 5.
- Skinner Engine Company. (See Mueller, Herman G., assignor.)
- Skinner Engine Company. (See Skinner, Allan D., assignor.)
- Skinner, Harry A., Waterloo, Mich. Milling-machine attachment. 1,661,509; Mar. 6.
- Skinner, Henry E. (See Mills, G. B., Schmiedeskamp, and Skinner.)
- Skinner-Hill Co. (See Fielding, Walter J., assignor.)
- Skinner Irrigation Company, The. (See Coles, Walter H., assignor.)
- Skinner, John L., Minneapolis, Minn. Trap nest. 1,692,957; Nov. 27.
- Skinner, Merrill E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective apparatus. 1,671,492; May 29.
- Skinner, Mortimer B., Wilmette, Ill. Valve-reseating tool. 1,658,141; Feb. 7.
- Skinner Patent Holding Company. (See Skinner, Allan D., assignor.)

- Skinner, Ralph L., and E. H. Lambert, assignors to Skinner Automotive Device Co., Inc., Detroit, Mich. Sleeve type of internal-combustion-engine lubrication. 1,666,184; Apr. 17.
- Skinner, Sherrod E., assignor to The Landers, Frary & Clark Company, New Britain, Conn. Electric switch. 1,658,010; Jan. 31.
- Skinner, Sherrod E., assignor to Landers, Frary & Clark, New Britain, Conn. Thermostatic control. 1,672,854; June 5.
- Skinner, Stephen G., Los Angeles, Calif., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 1,684,850; Sept. 18.
- Skinner, Walter J., Bloomfield, N. J., assignor to himself and F. J. Kent, New York, N. Y. Radio grid and filament spacer. 1,672,233; June 5.
- Skinner, William C., Vancouver, British Columbia, Canada. Bracket. 1,695,213; Dec. 11.
- Sklar, Samuel B., Minneapolis, Minn. Smoker's cabinet. Des. 74,700; Mar. 13.
- Sklar, Samuel B., Minneapolis, Minn. Smoker's cabinet. 1,691,212; Nov. 13.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Dirigibly-mounted light. Re-16,979; May 29.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Lamp head. 1,673,377; June 12.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Dirigibly-mounted light. 1,675,915; July 3.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Dirigibly-mounted light. 1,676,364; July 10.
- Sklarek, Clifford, Chicago, Ill., assignor to International Spotlight Corporation. Drill-guiding jig. 1,682,150; Aug. 28.
- Sklarek, Clifford, assignor to International Spotlight Corporation, Chicago, Ill. Dirigibly-mounted light. 1,695,509; Dec. 18.
- Sklovsky, Max, assignor to Deere & Company, Moline, Ill. Driving key. 1,685,098; Sept. 25.
- Skooglund, Oscar J., St. Paul, Minn. Railway motor bus. 1,670,907; May 22.
- Skov, Henry A., assignor to A/S Dansk Pressefabrik, Copenhagen, Denmark. Machine for manufacturing bottle caps, so-called crown caps. 1,661,912; Mar. 6.
- Skowron, Edmund A. (See Brooks, J. T., and Skowron.)
- Skube, Mathias J., Jr., Seattle, Wash. Fireplace guard. 1,683,420; Sept. 4.
- Skultety, John, Los Angeles, Calif. Combination article holder. 1,671,555; May 29.
- Skultin, Charles A., Toledo, Ohio. Highway crossing. 1,689,161; Oct. 23.
- Skuttle, John L., Mason City, Iowa. Automatic water-control valve. 1,686,296; Oct. 2.
- Skwierawski, Walter, Milwaukee, Wis. Bottle washer. 1,677,571; July 17.
- Slabaugh, William H. (See Evans, B. A., and Slabaugh.)
- Slack, Frederic W., assignor, by mesne assignments, to The Peerless Motor Car Corporation, Cleveland, Ohio. Tire carrier. 1,681,748; Aug. 21.
- Slack, Frederic W., assignor to Peerless Motor Car Corporation, Cleveland, Ohio. Motor support or suspension. 1,686,578; Oct. 9.
- Slack, Frederic W., assignor, by mesne assignments, to The Peerless Motor Car Corporation, Cleveland, Ohio. Vehicle brake. 1,688,358; Oct. 23.
- Slack & Parr Limited. (See Bryan, William E., assignor.)
- Slack, Walter W., Springfield, Vt., assignor to Fitz-Empire Double Pivot Last Company, Auburn, Me. Hinge last. 1,668,611; May 8.
- Slade, Alton P. (See Bullock, E. W., and Slade.)
- Slade, Alton P. (See Gleason, J. E., Bryan, Finsen, and Slade.)
- Slade, Edward, New York, N. Y. Brake lining. 1,678,305; July 24.
- Slade, Edward, New York, N. Y. Clutch disk. 1,681,371; Aug. 21.
- Slade, Harold E., Glen Ridge, assignor to Beaver Machine & Tool Co., Inc., Newark, N. J. Electrical outlet device. 1,658,861; Feb. 14.
- Slade, Harold E., Glen Ridge, assignor to Beaver Machine & Tool Co., Inc., Newark, N. J. Electrical outlet device. 1,658,862; Feb. 14.
- Slade, James W., New York, N. Y. Heater. 1,694,695; Dec. 11.
- Slade, Roland E., Billingham-on-the-Tees, and V. E. Parke, Runcorn, England, assignors to Atmospheric Nitrogen Corporation, Solvay, N. Y. Drying gases. 1,664,997; Apr. 3.
- Slade, Roland E., Billingham-on-Tees, and K. Gordon, Stockton-on-Tees, England, assignors to Atmospheric Nitrogen Corporation, Solvay, N. Y. Removing ammonia from synthesis. 1,679,792; Aug. 7.
- Slade, Roland E., Billingham-on-Tees, England, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Conducting gaseous catalytic reactions and apparatus therefor. 1,686,349; Oct. 2.
- Sladec, Victor R., Chicago, Ill. Apron. 1,690,138; Nov. 6.
- Sladky, Alexander C., and J., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. Liquid-fuel heating stove. 1,676,805; July 10.
- Sladky, Joseph. (See Sladky, Alexander C. and J.)
- Slagboom, Bastiaan, S., and L., Hawthorne, N. J. Regulator. 1,672,786; June 5.
- Slagboom, Luwe. (See Slagboom, Bastiaan, S., and L.)
- Slagboom, Sander. (See Slagboom, Bastiaan, S., and L.)
- Slagel, Franklin G., assignor to Fedders Manufacturing Company Inc., Buffalo, N. Y. Cooling unit for refrigerators. 1,679,010; July 31.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Float-valve mechanism. 1,679,949; Aug. 7.
- Slagel, Franklin G., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Hollow body. 1,680,697; Aug. 14.
- Slagel, Franklin G., Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc. Strainer. 1,688,401; Oct. 23.
- Slaght, Daniel C., Easton, Pa. Internal-combustion engine. 1,681,910; Aug. 21.
- Slagle, Edgar A. (See O'Harra, B. M., and Slagle.)
- Slagle, Mittie M., et al., executors. (See Smith, Eugene G., assignor.)
- Slagle, William F., Putneyville, Pa. Horseshoe. 1,684,045; Sept. 11.
- Slate Aircraft Corporation. (See Slate, Thomas B., assignor.)
- Slate, Thomas B., Glendale, Calif., assignor to Slate Aircraft Corporation. Constructing the hulls of airships. 1,681,790; Aug. 21.
- Slate, Thomas B., assignor, by mesne assignments, to American Patents Development Corporation, New York, N. Y. Refrigerating apparatus and method. 1,696,651; Dec. 25.
- Slater, Beulah E., Los Angeles, Calif. Hair waver. 1,680,698; Aug. 14.
- Slater, Fred M. (See Bayles, L. C., and Slater.)
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 1,671,133; May 29.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,681,198; Aug. 21.
- Slater, George F., West Palm Beach, Fla. Portable building. 1,656,682; Jan. 17.
- Slater, Guy P., Sand Springs, Okla. Throwing-off device. 1,691,830; Nov. 13.
- Slater, N., Company, The. (See Milne, Winford G., assignor.)
- Slattery, James B., Brooklyn, N. Y. Radiant gas heater. 1,668,612; May 8.
- Slauson, Louis E., Rock Island, Ill. Traction wheel. 1,677,568; July 17.
- Slauson, Louis E., Moline, assignor to Grid-Iron-Grip Company, Rock Island, Ill. Reversible lug wheel. 1,674,803; June 26.
- Slauson, Stephen A., assignor to Vec Products Company, Cedar Rapids, Iowa. Take-up device. 1,666,948; Apr. 24.
- Slauson, Stephen A., assignor to Vec Products Company, Cedar Rapids, Iowa. Take-up device. 1,666,949; Apr. 24.
- Slavin, William J., Howell, Mich. Drag scraper. 1,693,353; Nov. 27.
- Slawski, Stephen F., Culver City, Calif. Folding ironing board. 1,688,289; Oct. 16.
- Slay, Furman Q., Weathersby, Miss. Sanitary toothpick holder. 1,691,831; Nov. 13.
- Slaymaker, Samuel R., Lancaster, and R. Walter, assignors to United States Asbestos Company, Mannheim, Pa. Semimetallic packing. 1,660,938; Feb. 28.
- Slaysman, Alexander, Jr., Baltimore, Md. Sheet trimming and slitting machine. 1,670,051; May 15.
- Slayton, Frank A., Waskom, Tex. Glass-tube cutter. 1,691,530; Nov. 13.
- Sleeman, William C., Birmingham, Ala. Railroad-car truck. 1,664,795; Apr. 3.
- Sleeman, William C., Birmingham, Ala. Railway-car truck. 1,694,988; Dec. 11.
- Sleeman, William C., Birmingham, Ala. Reversible brake-shoe head. 1,694,989; Dec. 11.
- Sleeper, Harvey P., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay operation indicator. 1,664,326; Mar. 27.
- Sleeper, Harvey P., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,677,302; July 17.
- Sleeper, Harvey P., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay system. 1,680,395; Aug. 14.
- Sleeper, Ned M., Upper Lake, Calif. Airplane. 1,665,480; Apr. 10.
- Sleeth, Glenn D. (See Oster, H. W., and Sleeth.)
- Slepihan, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-balancing system. 1,658,906; Feb. 14.
- Slepihan, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-balancing system. 1,658,948; Feb. 14.
- Slepihan, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Static-reducing system. 1,664,227; Mar. 27.
- Slepihan, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radiodetector. 1,665,936; Apr. 10.

- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-voltage direct-current system. 1,666,473; Apr. 17.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,667,905; May 1.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 1,669,493; May 15.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,669,494; May 15.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current shunt-commutator generator. 1,673,598; June 12.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound-generating device. 1,684,975; Sept. 18.
- Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone transmitter. 1,689,844; Oct. 30.
- Slepian, Joseph, Swissvale, and S. M. Pineles, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Disk-pile lightning arrester. 1,667,873; May 1.
- Sletager, Andrew O., Fertile, Minn. Oil and water burner stove. 1,663,284; Mar. 20.
- Slick, Edwin E., Pittsburgh, Pa. Goblet or similar article. Des. 77,332; Dec. 25.
- Slick, Edwin E., Pittsburgh, Pa. Article of manufacture. 1,674,452; June 19.
- Slick, Edwin E., Pittsburgh, Pa. Article of manufacture and making the same. 1,674,626; June 19.
- Slick, Edwin E., Pittsburgh, Pa. Making cold-rolled articles. 1,684,643; Sept. 18.
- Slick, Edwin E., assignor to United States Glass Company, Pittsburgh, Pa. Condiment holder. Des. 76,163; Aug. 21.
- Slick, Frank F. (See Boyd, J. K., and Slick.)
- Slidell, Kemper, Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Machine and method for making wall board. 1,655,714; Jan. 10.
- Slifer, Virgil T., Nickerson, Kans. Unloading chute for grain tanks. 1,688,600; Oct. 23.
- Slifer, Wilmer J., Easton, Pa. Ignition tester. 1,665,567; Apr. 10.
- Sliger, Leonard, Indianapolis, Ind. Container for oil cans. 1,673,165; June 12.
- Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Edge-holding device for sheet-glass machines. 1,679,504; Aug. 7.
- Slining, Henry W., assignor to Republic Brass & Mfg. Co., Los Angeles, Calif. Plumbing fixture. 1,679,276; July 31.
- Slipper City Wood Heel Company. (See Kinney, Norton W., assignor.)
- Sliwa, Louis. (See Long, W. B., and Sliwa.)
- Sliwa, Walenty, et al. (See Widuch, Adam, assignor.)
- Sloan, Alfred C., Philadelphia, Pa., and S. M. Sloan, Vine-land, N. J. Connecting rod and its component bearings. 1,680,917; Aug. 14.
- Sloan, Alfred J., Kansas City, Kans., assignor to Sinclair Refining Company, Chicago, Ill. Pressure still. 1,667,055; Apr. 24.
- Sloan, Alonzo H., Detroit, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. 1,678,362; July 24.
- Sloan, Charles F., Philadelphia, Pa. Loom temple. 1,682,582; Aug. 28.
- Sloan, Charles S., sr., et al. (See Hoyt, Fred L., assignor.)
- Sloan, Charley H., Manning, Kans. Railway rail. 1,687,400; Oct. 9.
- Sloan, Elgan S., Shippensburg, Pa. Combined drilling tool and pump. 1,656,798; Jan. 17.
- Sloan, Hugh J., Waynesville, N. C. Device for facilitating the removal of shackle bolts. 1,669,352; May 8.
- Sloan, James I. (See Frogue, A. J., and Sloan.)
- Sloan, John, Johannesburg, Transvaal, South Africa. Rock pack pillar, or like support for use in mine workings. 1,661,238; Mar. 6.
- Sloan, John F. (See Christy, J. E., and Sloan.)
- Sloan, John F., Peoria, Ill. Thermal-cut-out construction. 1,684,522; Sept. 18.
- Sloan, Sebern J., Warren, Ohio. Sandpaper holder. 1,664,950; Apr. 3.
- Sloan, Stephen M. (See Sloan, Alfred C. and S. M.)
- Sloan, Theodore H., Charleroi, assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Glass-forming machine. 1,689,975; Oct. 30.
- Sloan, William E., Chicago, Ill. Valve. 1,680,812; Aug. 14.
- Sloan, William F., Long Beach, Calif. Aeroplane. 1,669,495; May 15.
- Sloane, Joseph C., assignor of one-half to A. T. Harrow, Detroit Mich. Automobile signal. 1,681,791; Aug. 21.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,692,872; Nov. 27.
- Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Electric locomotive. 1,692,873; Nov. 27.
- Sloate, Alfred C., Wynnewood, Pa., and J. C. Whyte, Wenonah, N. J., assignors to Congoleum-Nairn Inc., Philadelphia, Pa. Linoleum floor mat. Des. 74,196; Jan. 3.
- Sloate, Alfred C., Wynnewood, Pa., and J. C. Whyte, Wenonah, N. J., assignors to Congoleum-Nairn Inc., Philadelphia, Pa. Linoleum floor mat. Des. 74,197; Jan. 3.
- Sloate, Alfred C., Wynnewood, Pa., and J. C. Whyte, Wenonah, N. J., assignors to Congoleum-Nairn Inc., Philadelphia, Pa. Linoleum floor mat. Des. 74,899; Apr. 10.
- Slobotkin, Nathan, Brooklyn, N. Y. Sadiron. Re16847; Jan. 10.
- Slocombe, Frank E., Kirk Sandall, assignor to Pilkington Brothers Limited, Liverpool, England. Process and apparatus for grinding and polishing glass. 1,665,117; Apr. 3.
- Slocum, Benjamin A., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Photographic-film cartridge. 1,665,481; Apr. 10.
- Slocum, Benjamin A., assignor, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Photographic-film package. 1,694,401; Dec. 11.
- Slocum, Frank L., and W. E. Troutman, assignors to Magic Coffee Company, Pittsburgh, Pa. Making liquid coffee extract. 1,687,112; Oct. 9.
- Sloman, Cheri M. (See Abbott, A. O. jr., and Sloman.)
- Slonaker, D. H., et al. (See Davison, Lawrence, assignor.)
- Slonaker, William H., Detroit, Mich. Steam-supply device for electric irons. 1,683,145; Sept. 4.
- Sloper, Chester O. (See Butler, C. W., and Sloper, assignors.)
- Sloper, Thomas, Wiltshire, England. Loose or floating bearing bush. 1,674,453; June 19.
- Sloper, Willard A. (See Butler, C. W., and Sloper.)
- Sloss, Aaron M. (See Kleinercher, Anthony, assignor.)
- Slosser, Alger J., assignor to Pompeian Flooring Company, Williamsport, Pa. Plastic composition product and producing articles of manufacture. Re16,855; Jan. 17.
- Sloyan, Jerome J., Red Bank, N. J. Heat generator. 1,672,002; June 5.
- Slusher, Walter A., Kansas City, Mo. Roller skate. 1,687,739; Oct. 16.
- Sluss, James A., Knoxville, Tenn. Adjustable mail-box support. 1,691,531; Nov. 13.
- Slusser, Carl W., Chicago, Ill. Medical instrument. 1,676,057; July 3.
- Slusser, Lee D., assignor of one-half to G. F. Donart, Ottawa, Ohio. Coin-controlled time switch. 1,696,364; Dec. 25.
- Slye, Edward A., Burnside, assignor to Veeder-Root Incorporated, Hartford, Conn. Signal device for oil-pump indicators, etc. 1,688,474; Oct. 23.
- Slye, John Q., and R. H. Coffren, Washington, D. C. Acoustic diaphragm. 1,665,284; Apr. 10.
- Small, Abram, Danvers, Mass. Leather finishing. 1,696,815; Dec. 25.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metal structure for railway cars. Re17,095; Oct. 2.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Positioning device for car couplers. 1,673,474; June 12.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic element. 1,674,137; June 19.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic wall element. 1,674,138; June 19.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic wall plate. 1,674,139; June 19.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic wall-plate element. 1,674,140; June 19.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Integral means for reinforcing metallic plates. 1,681,442; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metal structure for railway cars. 1,681,811; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metal structure for railway cars. 1,681,812; Aug. 21.
- Small, Arthur E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Railway-car roof. 1,681,813; Aug. 21.
- Small, Arthur E., assignor to Railway Metal Products Company, Chicago, Ill. Side door for railway box cars. 1,681,814; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Drop door for railway cars. 1,681,815; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metallic structure for railway cars. 1,681,816; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metallic structure for railway cars. 1,681,817; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metallic structure for railway cars. 1,681,818; Aug. 21.

- Small, Arthur E., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Railway-car roof. 1,681,819; Aug. 21.
- Small, Arthur E., assignor Railway Metal Products Company, Chicago, Ill. Side door for railway cars. 1,681,820; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated drop door for railway cars. 1,681,821; Aug. 21.
- Small, Arthur E., assignor to Railway Metal Products Company, Chicago, Ill. Railway-car side door. 1,681,822; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Railway-car drop door. 1,681,823; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic plate. 1,681,824; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Embossed metallic plate. 1,681,825; Aug. 21.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Embossed metallic plate for railway cars. 1,681,826; Aug. 21.
- Small, Arthur E., Chicago, Ill., assignor, by mesne assignments, to Railway Metal Products Company. Sliding-door opener and closer. 1,692,228; Nov. 20.
- Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Positioning device for railway-car couplers. 1,695,351; Dec. 18.
- Small, Arthur E., Oak Park, assignor to Union Metal Products Company, Chicago, Ill. Car-coupler-positioning device. 1,656,082; Jan. 10.
- Small, Arthur E., Oak Park, assignor to Union Metal Products Company, Chicago, Ill. Positioning device for car couplers. 1,656,083; Jan. 10.
- Small, Bertram A., Chicago, Ill. Clip for tire chains. 1,661,707; Mar. 6.
- Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Spare-tire carrier. 1,656,536; Jan. 17.
- Small, Frederick T., Spondon, near Derby, England, assignor to Celanese Corporation of America. Pumping apparatus. 1,658,307; Feb. 7.
- Small, Harry E., Tampa, Fla. Claw hammer. 1,660,237; Feb. 21.
- Small, James H., jr., Cleveland, Ohio. Concrete-pile follower and mounting for same. 1,683,108; Sept. 4.
- Small, James W., Chicago, Ill. Automobile windshield wiper. 1,689,214; Oct. 30.
- Small, John S., Elkhart, Ind. File. 1,658,061; Feb. 7.
- Small, John W. (See Moler, Abraham L., assignor.)
- Small, Joseph E. (See Macdonald, L. S., and Small.)
- Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Valve. 1,668,342; May 1.
- Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Check valve. 1,677,056; July 10.
- Small, Norman M., assignor to Frick Company, Waynesboro, Pa. Air-agitating-tube support for ice machines. 1,690,599; Nov. 6.
- Small, Norman M., and L. Buehler, jr., assignors to Frick Company, Waynesboro, Pa. Can grid. 1,689,060; Oct. 23.
- Small, William E., Brooklyn, N. Y. Heel-building machine. 1,689,459; Oct. 30.
- Smalley, Burton M., assignor to Joslyn Manufacturing & Supply Co., Chicago, Ill. Insulator support. 1,685,684; Sept. 25.
- Smalley, Robert C., Arlington, N. J. Method and apparatus for exhausting vacuum-tube-lamp envelopes. 1,679,383; Aug. 7.
- Smalley, William D., Minneapolis, Minn. Turbine. 1,676,806; July 10.
- Smallhouse, Albert A., Los Angeles, Calif. Smoking stand. Des. 74,807; Mar. 27.
- Smallhouse, Albert A., assignor of one-half to H. W. Kelley, Los Angeles, Calif. Bottle-washing machine. 1,655,517; Jan. 10.
- Smallhouse, Albert A., Los Angeles, assignor of thirty-nine one-hundredths to J. Aebicher, Palmdale, Calif. Washing and cleaning apparatus. 1,676,842; July 10.
- Smallidge, Frank E., Wenatchee, Wash. Fruit-cleaning machine. 1,676,714; July 10.
- Smallwood, George S., Freeport, N. Y. Exerciser and blood circulator. 1,663,641; Mar. 27.
- Smallwood, Horace W. (See Lister, J. F., and Smallwood.)
- Smallwood, Richard L., Toronto, Ontario, Canada. Cable-conveyer sprocket. 1,668,950; Apr. 24.
- Smart, Carroll M., Detroit, Mich. Bank-protecting device. 1,669,539; May 15.
- Smart, Carroll M., Detroit, Mich. Bank-protecting device. 1,669,540; May 15.
- Smart, Edmund F., Wallsend-on-Tyne, England, assignor of one-half to J. W. Hartley, Brooklyn, N. Y. Auto signal. 1,696,890; Dec. 25.
- Smart, John G., Winnipeg, Manitoba, Canada. Loose-leaf binder. 1,670,829; May 22.
- Smart, Joseph F. (See Lamb, J. F., and Smart.)
- Smart, Lawrence L., Yonkers, assignor to Paramount Rubber Consolidated Inc., Tuckahoe, N. Y. Hollow rubber toy. 1,668,785; May 8.
- Smart, Russel S. (See Robinson, Joseph, assignor.)
- Smart, V. Irving. (See Fairweather, Starr W., assignor.)
- Smedley, Troy D., Waterloo, Iowa. Plant marker. 1,679,061; July 31.
- Snelker, Le Roy, Germantown, Ohio. Automobile seat and the like. 1,682,989; Sept. 4.
- Smellie, Donald G., Maywood, Ill., assignor to The Hoover Company. Dishwasher. 1,667,745; May 1.
- Smellie, Donald G., Maywood, Ill., assignor to The Hoover Company, North Canton, Ohio. Handle control. 1,676,058; July 3.
- Smellie, Donald G., Maywood, Ill., assignor to The Hoover Company. Washing machine. 1,688,665; Oct. 23.
- Smickle, Raymond H., Belvidere, N. J. Paper fastener. 1,666,356; Apr. 17.
- Smidt, Lulah M., Los Angeles, Calif. Hair curler. 1,666,269; Apr. 17.
- Smith, F. L., & Co. (See Lindhard, Povl T., assignor.)
- Smith, F. L., & Co. (See Treschow, Michael, assignor.)
- Smiley, George T., and W. R. Ohse, Houston, Tex. Refrigerating apparatus. 1,685,505; Sept. 25.
- Smiley, John F., Dallas, Tex. Merchandise displaying and advertising means. 1,668,289; May 1.
- Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Post construction. 1,669,382; May 8.
- Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Cornice construction. 1,671,210; May 29.
- Smiley, Samuel, jr., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Post anchor. 1,684,894; Sept. 18.
- Smilie, Robert H., Oakland, Calif. Tennis racket. 1,682,199; Aug. 28.
- Smirnoff, Nicholas, Brooklyn, N. Y. Rocking and galloping horse. 1,676,365; July 10.
- Smith, A. B. (See Vest, Clarence D., assignor.)
- Smith, A. L., Iron Works, The. (See Johnson, Chester W., assignor.)
- Smith, A. L., Iron Works. (See Lerner, Morris, assignor.)
- Smith, A. L., Iron Works, The. (See Smith, Arthur L., assignor.)
- Smith, A. O., Corporation. (See Andren, Birger T., assignor.)
- Smith, A. O., Corporation, The. (See Andrus, O. E., and Hermanson, assignors.)
- Smith, A. O., Corporation. (See Blumberg, H., and Mikesch, assignors.)
- Smith, A. O., Corporation. (See Burgess, Edward W., assignor.)
- Smith, A. O., Corporation. (See Hamacheck, Julius E., assignor.)
- Smith, A. O., Corporation. (See Langstroth, Clifford B., assignor.)
- Smith, A. O., Corporation. (See Smith, Charles S., assignor.)
- Smith, A. O., Corporation. (See Smith, Lloyd R., assignor.)
- Smith, A. O., Corporation. (See Woolard, William F., assignor.)
- Smith, A. O., Corporation. (See Yeomans, Lucien I., assignor.)
- Smith, Abraham, Erie, Pa. Bookkeeping machine. 1,685,685; Sept. 25.
- Smith, Albert A., Berkley, Mich. Sighting device for trench diggers. 1,661,812; Mar. 6.
- Smith, Albert A., Riverdale, and I. Q. Gurnee, Butler, N. J. Pipe. Des. 74,579; Feb. 18.
- Smith, Albert H., Birmingham, England. Cinematograph film. 1,674,528; June 19.
- Smith, Albert K., assignor to The Dow Chemical Company, Midland, Mich. Prepared calcium chloride and making same. 1,660,053; Feb. 21.
- Smith, Albert K., jr., assignor to Chipron Stamp Company, Los Angeles, Calif. Stamp mounting and label. 1,680,699; Aug. 14.
- Smith, Albert L. (See Walker, A. W., and Smith.)
- Smith, Albert R., Jesup, Ga. Faucet connection. 1,670,219; May 15.
- Smith, Albert W., Manchester, England. Filling head of bottle-filling machines. 1,662,761; Mar. 13.
- Smith, Algernon L., Birmingham, Ala. Hull extractor. 1,656,398; Jan. 17.
- Smith, Algy J., Swissvale, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Timer. 1,670,751; May 22.
- Smith, Allan G., London, England. Electric lighter for smokers' use. Des. 74,455; Feb. 14.
- Smith, Allie, Minneapolis, Minn. Door-key retainer. 1,663,354; Mar. 20.
- Smith, Alva T. (See Beardsley, C. E., and Smith.)
- Smith, Amory J., et al. (See Gossett, Robert R., assignor.)
- Smith, Andrew, Milwaukee, Wis. Clutch control. 1,659,285; Feb. 14.
- Smith, Andrew, Milwaukee, Wis. Oarlock. 1,674,307; June 19.
- Smith, Andrew, Milwaukee, Wis. Chip-finishing machine. 1,682,431; Aug. 28.
- Smith, Andrew, assignor to Smith Laboratories, Inc., Milwaukee, Wis. Starter control for automotive vehicles. 1,659,284; Feb. 14.
- Smith, Andrew, assignor to Smith Laboratories, Inc., Milwaukee, Wis. Clutch control. 1,692,390; Nov. 20.
- Smith, Andrew B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-feeding device. 1,687,524; Oct. 16.
- Smith, Andrew W., Des Moines, Iowa. Toilet-powder applicator. 1,684,644; Sept. 18.

- Smith, Anthony R., Elyria, assignor to The Elyria Iron and Steel Company, Cleveland, Ohio. Lock. 1,681,017; Aug. 14.
- Smith, Archibald C., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lining-trimming machine. Re17,112; Oct. 23.
- Smith, Archibald G., Buffalo, N. Y. Partition for containers. 1,684,458; Sept. 18.
- Smith, Arthur, assignor to The Barrett Bindery Company, Chicago, Ill. Combination tool. 1,681,749; Aug. 21.
- Smith, Arthur B., South Brownsville, Pa. Incandescent lamp. 1,665,799; Apr. 10.
- Smith, Arthur B., Evanston, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Substation telephone circuits. 1,688,475; Oct. 23.
- Smith, Arthur E., Los Angeles, Calif. Ampul. 1,674,927; June 26.
- Smith, Arthur E., Los Angeles, Calif. Ampul. 1,674,928; June 26.
- Smith, Arthur E., Los Angeles, Calif. Closure for collapsible tubes. 1,696,506; Dec. 25.
- Smith, Arthur J., Independence, assignor to Smith Engineering Co., Kansas City, Mo. Pipe coupling. 1,655,382; Jan. 3.
- Smith, Arthur L., Portland, Oreg. Electric tester. 1,666,273; Apr. 17.
- Smith, Arthur L., Melrose, Mass., assignor to The A. L. Smith Iron Works, Chelsea, Mass. Stair-landing construction. 1,666,222; Apr. 17.
- Smith, Arthur P., and S. Eichel, assignors to Harvard Auto Body Company, Inc., New York, N. Y. Automobile body. 1,691,557; Nov. 13.
- Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Supplying powdered fuel to furnaces. 1,674,454; June 19.
- Smith, Arthur R., Schenectady, N. Y., assignor, by mesne assignments, to Bailey Meter Company. Measuring a substance carried in suspension by a second substance. 1,677,691; July 17.
- Smith, August J., Chicago, Ill. Molding pattern. 1,681,957; Aug. 28.
- Smith, Benjamin F., Concord, assignor of one-half to C. A. Holt, Cambridge, Mass. Cup supporting and covering saucer. 1,688,992; Oct. 23.
- Smith, Benjamin H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Frequency regulator. 1,685,961; Oct. 2.
- Smith, Benjamin H., assignor to Michigan Wire Goods Company, Niles, Mich. Basket handle. 1,677,152; July 17.
- Smith, Benjamin H., Swissvale, A. L. Atherton, and E. H. Greibach, Pittsburgh, Pa. Toy transformer. 1,684,746; Sept. 18.
- Smith, Benjamin K. (See Price, H. G., and Smith.)
- Smith, Bernard P., St. Louis, Mo. Drain plug. 1,659,839; Feb. 21.
- Smith, Bert C., and T. H. Chandler, Long Beach, Calif. Traffic signal. 1,687,183; Oct. 9.
- Smith, Bert H., Horton, Kans. Flexible pipe-sealing means. 1,682,940; Sept. 4.
- Smith, Birney K., Newcastle, Ind. Light diffuser for headlights. 1,694,491; Dec. 11.
- Smith, Boyd H. (See Love, F. B., and Smith.)
- Smith, Boyd H., assignor to The Autocall Company, Shelby, Ohio. Safety locking device for casings. 1,661,272; Mar. 6.
- Smith, Bryan H., Berkeley, Calif. Indicator switch. 1,668,738; May 8.
- Smith, Bryce A., Glendale, Calif. Attachment for thread spools. 1,681,263; Aug. 21.
- Smith, Bulmer and Company. (See Stott, Louis, assignor.)
- Smith, Burgess, W., assignor to The Todd Company, Inc., Rochester, N. Y. Protective paper and making the same. 1,675,769; July 3.
- Smith, Burgess W., assignor to The Todd Company, Inc., Rochester, N. Y. Safety paper. 1,689,302; Oct. 30.
- Smith, Carl A., Defiance, Ohio. Cowl light for automobiles. 1,661,975; Mar. 6.
- Smith, Carlos A., Bellaire, Ohio. Support for the cleaning of floor coverings. 1,668,220; May 1.
- Smith, Carlos A., sr., Bellaire, Ohio. Rug and carpet scrubbing apparatus. 1,668,255; May 1.
- Smith, Celia M., Ithaca, N. Y. Toy animal figure. 1,673,759; June 12.
- Smith, Charles A., and W. G. Bowers, Barberton, Ohio. Brake lock. 1,688,290; Oct. 16.
- Smith, Charles B., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Bumper for motor vehicles. 1,688,026; Oct. 16.
- Smith, Charles B., Three Rivers, Tex. Pipe coupling. 1,682,635; Aug. 28.
- Smith, Charles B. B., assignor, by mesne assignments, to J. H. Weidemiller, Buffalo, N. Y. Electric brake-operating mechanism. 1,665,227; Apr. 10.
- Smith, Charles F., Boston, Mass. Apparatus for measuring pressures. 1,670,670; May 22.
- Smith, Charles F., Tacoma, Wash. Clothes-drying rack. 1,684,153; Sept. 11.
- Smith, Charles F., assignor to Adam Hilger, Limited, London, England. Production of designs, especially scenic effects, and in apparatus therefor. 1,657,415; Jan. 24.
- Smith, Charles F., New Britain, assignor to Landers, Frary & Clark, New Britain, Conn. Electrical attachment plug. 1,659,447; Feb. 14.
- Smith, Charles F., assignor to Public Service Cup Company, Brooklyn, N. Y. Tube-severing machine. 1,690,209; Nov. 6.
- Smith, Charles F., assignor to Smith Engineering Works, Milwaukee, Wis. Gravel washer. 1,693,001; Nov. 27.
- Smith, Charles F., New Britain, and S. J. Helweg, Hartford, Conn. Washing-machine casing. Des. 75,452; June 5.
- Smith, Charles F., A. C. Thiele, and L. P. Walker, assignors to Smith Engineering Works, Milwaukee, Wis. Conical crushing mill. 1,663,355; Mar. 20.
- Smith, Charles G., Medford, assignor, by mesne assignments, to Cambridge Laboratories, Inc., Cambridge, Mass. Aspirator apparatus. 1,674,377; June 19.
- Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Electrical-current modification. 1,679,448; Aug. 7.
- Smith, Charles G., Medford, assignor to Raytheon Inc., Cambridge, Mass. Gaseous conduction apparatus. 1,679,449; Aug. 7.
- Smith, Charles J., Dearborn, Mich., assignor to Ford Motor Company, Detroit, Mich. Airplane stabilizer. 1,667,224; Apr. 24.
- Smith, Charles M., East Pepperell, Mass. Ice crusher. 1,692,472; Nov. 20.
- Smith, Charles R., Maplewood, N. J. Door-latch mechanism. 1,676,059; July 3.
- Smith, Charles R., Chicago, Ill. Oil burner. 1,688,509; Oct. 23.
- Smith, Charles S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Production of integral side bars and spring hangers by electric welding. 1,678,923; July 31.
- Smith, Charles W., Grand Rapids, Mich. Curtain pole. 1,663,356; Mar. 20.
- Smith, Chetwood. (See Nelson, I. I., and Smith.)
- Smith, Chetwood, Worcester, Mass. Indirect water-heating apparatus. 1,656,574; Jan. 17.
- Smith, Chetwood, Worcester, Mass. Combination relief valve. 1,688,092; Oct. 16.
- Smith, Chetwood, Worcester, Mass. Diaphragm-type relief valve. 1,688,093; Oct. 16.
- Smith, Clarence L., assignor to The Franklin Printing Company, Tampa, Fla. Rubber stamp. 1,681,999; Aug. 28.
- Smith, Clarence Z., Atlanta, Ga. Automobile brake. 1,673,210; June 12.
- Smith, Clarence Z., Atlanta, Ga. Automobile brake. 1,673,713; June 12.
- Smith, Clarence Z., Atlanta, Ga. Automobile brake. 1,673,714; June 12.
- Smith, Clarence Z., Atlanta, Ga. Automobile brake. 1,673,715; June 12.
- Smith, Clarence Z., Atlanta, Ga. Vehicle brake. 1,673,716; June 12.
- Smith, Clayton O., Worcester, Mass., and C. Booth, Danbury, Conn., assignors, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding. 1,659,220; Feb. 14.
- Smith, Clinton F., Boston, Mass. Cut-off valve. 1,681,372; Aug. 21.
- Smith, Daniel W., Oak Park, Ill., assignor to International Harvester Company. Adjusting mechanism for harvester reels. 1,695,510; Dec. 18.
- Smith, David, Auburn, Nebr. Barn-door latch. 1,670,908; May 22.
- Smith, David C., assignor to A. Kadow, Toledo, Ohio. Traffic signal. 1,670,011; May 15.
- Smith, David C., assignor, by mesne assignments, to Kadow Foundation, Incorporated, Toledo, Ohio. Mold for concrete blocks. 1,690,462; Nov. 6.
- Smith, David F., Washington, D. C. Compressor. 1,695,721; Dec. 18.
- Smith, Della B., et al. (See Smith, Lester, assignor.)
- Smith, Della R., et al. (See Smith, Lester, assignor.)
- Smith, Delos H., et al. (See Smith, Lester, assignor.)
- Smith, Dennis W., Wilmette, assignor to Colborne Manufacturing Company, Chicago, Ill. Pie-making machine. 1,671,321; May 29.
- Smith, Dennis W., Wilmette, assignor to Colborne Manufacturing Company, Chicago, Ill. Discharge mechanism for pie machines and the like. 1,695,511; Dec. 18.
- Smith, E. Payson. (See Brown, Lloyd J., assignor.)
- Smith, E. Payson. (See Harbert, Victor H., assignor.)
- Smith, E. Payson. (See McMullen, John, assignor.)
- Smith, E. Payson. (See Strid, Sven J., assignor.)
- Smith, E. Payson. (See Wright, William, assignor.)
- Smith, Earl F., and G. K. Wilson, assignors to Mid-West Metal Products Company, Muncie, Ind. Brace strut. 1,663,487; Mar. 20.
- Smith, Edna R. (See Smith, Oscar W., assignor.)
- Smith, Edmund B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,688,993; Oct. 23.
- Smith, Edward A., Valdosta, Ga. Turpentine dip bucket. 1,656,799; Jan. 17.
- Smith, Edward C., Lakewood, Ohio, assignor to National Carbon Company, Inc. Dry cell. 1,682,995; Sept. 4.
- Smith, Edward D. (See Gustafson, W. S., and Smith.)
- Smith, Edward F., Los Angeles, Calif. Rotary toothbrush. 1,693,964; Dec. 4.

- Smith, Edward W., Philadelphia, Pa. Storage battery. 1,692,316; Nov. 20.
- Smith, Edward W., Philadelphia, Pa. Ejector for molds. 1,696,652; Dec. 25.
- Smith, Edwin C., Baltimore, Md. Liquid separator. 1,660,140; Feb. 21.
- Smith, Eggleston, Sioux City, Iowa, assignor to Eggleston Drilling Corporation, Dover, Del. Method and apparatus for drilling holes. 1,688,994; Oct. 23.
- Smith, Elda G., assignor to Crouse-Hinds Company, Syracuse, N. Y. Drop-cord rosette. 1,691,675; Nov. 13.
- Smith, Elmer H., Minneapolis, Minn. Torch tip. 1,675,668; July 3.
- Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Sheet-feeding apparatus. 1,656,084; Jan. 10.
- Smith, Elmer L. and Horace J. Paynter, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass. Wrapping machine. 1,674,026; June 19.
- Smith, Elmer L. and A. E. Phelon, assignors to Package Machinery Company, Springfield, Mass. Soap-wrapping machine. 1,693,675; Dec. 4.
- Smith, Elmer L., A. E. Phelon, and P. Langhammer, assignors to Package Machinery Company, Springfield, Mass. Wrapping machine for stick candy. 1,693,674; Dec. 4.
- Smith, Emory T., Ludlow, assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve-operating mechanism. 1,662,133; Mar. 13.
- Smith, Emory T., Ludlow, assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve-operating mechanism. 1,662,134; Mar. 13.
- Smith Engineering Co. (See Smith, Arthur J., assignor.)
- Smith Engineering Works. (See Smith, Charles F., assignor.)
- Smith Engineering Works. (See Rumpel, Harvey H., assignor.)
- Smith Engineering Works. (See Smith, C. F., Thiele, and Walker, assignors.)
- Smith, Eppenetes W., Brooklyn, N. Y. Dimension guide device. 1,667,444; Apr. 24.
- Smith, Ernest H., Cleveland, Ohio. Condenser-tube cleaner. 1,673,890; June 19.
- Smith, Ernest R., San Francisco, Calif. Dental impression tray. 1,691,676; Nov. 13.
- Smith, Errett G., Washington, D. C. Lavatory fixture. 1,676,116; July 3.
- Smith, Ervin E., Canton, Ohio. Highway danger signal. Des. 76,208; Aug. 28.
- Smith, Eugene G. deceased, Chicago, Ill.; F. Z. Smith, H. T. Smith, and M. M. Slagle, executors. Car-axle transmission. 1,660,297; Feb. 21.
- Smith, Finney B. (See Stechbart, Arthur, assignor.)
- Smith, Francis B., San Francisco, Calif. Positioning and aligning structures in aqueous bodies. 1,678,127; July 24.
- Smith, Francis J., Gary, Ind. Leaf spring. 1,689,303; Oct. 30.
- Smith, Frank A., Naugatuck, Conn. Fuel vaporizer and mixer. 1,661,773; Mar. 6.
- Smith, Frank H. and T. A. Sindelar, Cleveland, Ohio, assignors, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Automobile brake band. Re16,965; May 15.
- Smith, Frank L., J. S. Caulfield, and C. J. Peterson, Sacramento, Calif. Retread mold for tires. 1,662,035; Mar. 6.
- Smith, Frank N. (See Clark, J., Smith, and Meese.)
- Smith, Frank N., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Wrought-metal connection for plain-end pipe sections. 1,671,789; May 29.
- Smith, Frank S., Los Angeles, Calif. Golf-club head. Des. 77,191; Dec. 11.
- Smith, Frank Z., et al., executors. (See Smith, Eugene G.)
- Smith, Franklin H., Peshtigo, Wis. Gate. 1,685,506; Sept. 25.
- Smith, Franklin S., Brooklyn, N. Y., assignor to Products Protection Corporation. X-ray apparatus. 1,655,635; Jan. 10.
- Smith, Franklin S., Brooklyn, N. Y. assignor to Products Protection Corporation. X-ray apparatus. 1,655,636; Jan. 10.
- Smith, Franklin S., Brooklyn, N. Y., assignor to Products Protection Corporation. X-ray apparatus. 1,655,637; Jan. 10.
- Smith, Frederick A. (See Weaver, H. A., and Smith.)
- Smith, Frederick R., Plains, Pa. Slate picker. 1,659,899; Feb. 21.
- Smith, Frederick R. and S. M. Vile, Coventry, England. Internal-combustion engine. 1,664,492; Apr. 3.
- Smith, Fulton W., Hillsdale, assignor to Colgate & Company, Jersey City, N. J. Atomizer or similar article. Des. 76,065; Aug. 14.
- Smith, Garrett. (See McGee, Daniel W., assignor.)
- Smith, George. (See Sherman, A. G., Smith, Ramig, and Roose.)
- Smith, George, Richmond, Va., assignor to National Biscuit Company, New York, N. Y. Facing and assembling machine. 1,667,955; May 1.
- Smith, George, Richmond, Va., assignor to National Biscuit Company, New York, N. Y. Facing and stacking machine. 1,667,956; May 1.
- Smith, George, Mullen, Nebr., assignor to A. B. Payne. Dishwasher. 1,679,062; July 31.
- Smith, George A., Baltimore, Md. Hydrometer chamber. 1,683,735; Sept. 11.
- Smith, George E. (See Weingartner, A. E., and Smith.)
- Smith, George G., Littleton, Colo. System and apparatus for sewage. 1,695,669; Dec. 18.
- Smith, George L., Manchester, N. H. Evening and grading machine. 1,664,645; Apr. 3.
- Smith, George L. and O. C., Cleveland, Idaho. Carburetor. 1,679,793; Aug. 7.
- Smith, George P. F. (See Richards, T. G., and Smith.)
- Smith, George T., Hannibal, Mo. Vehicle signal casing. Des. 74,808; Mar. 27.
- Smith, George W., Jr., Riverton, N. J., assignor to Victor Talking Machine Company. Sound-reproducing means. 1,662,135; Mar. 13.
- Smith, George W., assignor to Hardsocg Wonder Drill Co., Incorporated, Ottumwa, Iowa. Tool retainer. 1,675,432; July 3.
- Smith, George W., Forbes, N. Dak. Pail. 1,677,906; July 24.
- Smith, George W., assignor to Hardsocg Wonder Drill Company, Ottumwa, Iowa. Pneumatic hammer. 1,679,689; Aug. 7.
- Smith, George W., Pittsburgh, assignor to J. M. Hopwood, Dormont Borough, Pa. Treatment of evaporator water. 1,686,715; Oct. 9.
- Smith, George W., Chicago, Ill. Telephone support. 1,691,213; Nov. 13.
- Smith, George W., Sistersville, W. Va. Depth-measuring device. 1,695,033; Dec. 11.
- Smith, George W., Jr., assignor to The White Motor Company, Cleveland, Ohio. Internal-combustion engine. 1,696,060; Dec. 18.
- Smith, Georgina W., and C. C. Carroll, assignors of one-third to W. G. Kennedy, Seattle, Wash. Hairpin. 1,672,234; June 5.
- Smith, Gerard C., assignor of one-fourth to G. J. Oltsch, one-fourth to J. F. Donahue, and one-fourth to D. Elbel, South Bend, Ind. Change-speed transmission. 1,657,871; Jan. 31.
- Smith, Goldwin, Tampa, Fla. Mechanical baseball game. 1,682,636; Aug. 28.
- Smith, Goldwin, Tampa, Fla. Baseball game. 1,687,800; Oct. 16.
- Smith, Goodwin B., New York, N. Y. Coin-controlled vending machine. 1,675,994; July 3.
- Smith, Goodwin B., Philadelphia, Pa. Vending machine. 1,691,998; Nov. 20.
- Smith, Goodwin B., New York, N. Y. Coin-controlled vending machine. 1,696,365; Dec. 25.
- Smith, Goodwin B., assignor to The Juniform Company, Philadelphia, Pa. Coin-controlled device. 1,683,995; Sept. 11.
- Smith, Grant E., Poughkeepsie, N. Y. Molded article and making the same. 1,680,646; Aug. 14.
- Smith, H. C., Manufacturing Company. (See Phipps, John T., assignor.)
- Smith, Hannah M., administratrix. (See Smith, Owen P.)
- Smith, Harold A., assignor of one-half to J. F. Pratt, Seattle, Wash. Adjustable attachment for loud-speaker units. 1,656,023; Jan. 10.
- Smith, Harold G. (See Smith, Philip A. and H. G.)
- Smith, Harold H., Johannesburg, South Africa, assignor to Minerals Separation North American Corporation, New York, N. Y. Production of gas. 1,667,272; Apr. 24.
- Smith, Harry B., Brooklyn, N. Y., assignor, by mesne assignments, to Hoague-Sprague Corporation, Lynn, Mass. Card-feed mechanism and method. 1,665,927; Apr. 10.
- Smith, Harry B., New York, N. Y., assignor to Hoague-Sprague Corporation, Lynn, Mass. Box blank and box. 1,667,874; May 1.
- Smith, Harry B., assignor to Lightship Cloth Board Corporation, Brooklyn, N. Y. Cloth board and similar article. 1,683,707; Sept. 11.
- Smith, Harry B., assignor to Bridgman & Rubin, Inc., New York, N. Y. Box-cover-margin turn-in mechanism and method. 1,687,352; Oct. 9.
- Smith, Harry C., New York, N. Y. Dispensing and display device. 1,654,841; Jan. 3.
- Smith, Harry C., Arlington, assignor to Blake Electric Mfg. Company, Boston, Mass. Selvage-opening device. 1,677,303; July 17.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Apparatus for effecting heat transfer. 1,656,836; Jan. 17.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Circuit breaker. 1,656,837; Jan. 17.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Natural-gas-dilution system. 1,657,045; Jan. 24.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Valve. 1,664,493; Apr. 3.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Radio apparatus. 1,664,494; Apr. 3.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Fuel feeder. 1,668,987; May 8.
- Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Heat engine. 1,675,829; July 3.
- Smith, Harry K., Baltimore, Md. Method and machine for making blanks from a sheet. 1,657,416; Jan. 24.

- Smith, Harry L., assignor to Smith System Heating Company, Minneapolis, Minn. Portable lavatory. 1,680,121; Aug. 7.
- Smith, Harry M., Cranford, N. J., assignor to The Aeolian Company. Combination stop action for organs. 1,681,373; Aug. 21.
- Smith, Harry T., et al., executors. (See Smith, Eugene G.)
- Smith, Harry T., Miami, Fla. Table top. Des. 77,262; Dec. 18.
- Smith, Henry, Listowel, Ontario, Canada. Tooth support for cultivators. 1,656,838; Jan. 17.
- Smith, Henry, London, England. Opening or closing sliding windows and the like. 1,658,693; Feb. 7.
- Smith, Henry, London, England. Opening or closing sliding windows and the like. 1,662,722; Mar. 13.
- Smith, Henry, London, England, assignor to Manhattan Electrical Supply Company, Inc., New York, N. Y. Door closing and checking device and the like. 1,671,614; May 29.
- Smith, Henry D., Los Angeles, Calif. Folding table. 1,659,840; Feb. 21.
- Smith, Henry E., Chicago, Ill. Awning. 1,658,907; Feb. 14.
- Smith, Henry E., assignor to Parks & Parks, Inc., Troy, N. Y. Brush. Des. 75,811; July 17.
- Smith, Henry P., London, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Chain grate. 1,675,061; June 26.
- Smith, Herman, Seattle, Wash. Lap-siding bracket gauge. 1,671,322; May 29.
- Smith, Herman H., Brooklyn, N. Y. Metallized pavement. 1,660,769; Feb. 28.
- Smith, Herman B., Plainfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Waste-heat boiler system. 1,687,740; Oct. 16.
- Smith, Herman R., Douglaston, assignor to Raymond Concrete Pile Company, New York, N. Y. Driving composite piles. 1,665,228; Apr. 10.
- Smith, Herman R., Brooklyn, and P. D. Case, Pelham Manor, N. Y., assignors to Charles R. Gow Company, Boston, Mass. Hoisting apparatus. 1,688,061; Oct. 16.
- Smith, Hinsdale, Keyport, N. J. Demountable window. 1,662,082; Mar. 13.
- Smith, Hosea C., Pine Bluff, Ark. Tool. 1,682,637; Aug. 28.
- Smith, Howard F. (See Weise, Edmund F., assignor.)
- Smith, Howard N., Oak Park, Ill. Water softener. 1,664,435; Apr. 3.
- Smith, Hubert J., Long Beach, Calif. Long-stroke pumping jack. 1,694,402; Dec. 11.
- Smith, Ira E., Stockton, Calif. Electric switch. 1,654,613; Jan. 3.
- Smith, Ira E., Stockton, Calif. Initial fuel-oil heating means. 1,654,614; Jan. 3.
- Smith, Ira E., Stockton, Calif. Strainer. 1,654,615; Jan. 3.
- Smith, Ira E., Stockton, Calif. Mercury contact switch. 1,667,056; Apr. 24.
- Smith, Ira E., Stockton, Calif. Water-feed-control system for boilers. 1,667,057; Apr. 24.
- Smith, Ira E., Stockton, Calif. Thermostatically-controlled damper. 1,693,060; Nov. 27.
- Smith, Ira E., Stockton, Calif. Oil-burning apparatus. 1,693,061; Nov. 27.
- Smith, Irving B., Ambler, assignor to Leeds & Northrup Company, Philadelphia, Pa. Conductivity cell. 1,670,640; May 22.
- Smith, Irving B., Ambler, and E. A. Keeler, Norristown, assignors to Leeds & Northrup Company, Philadelphia, Pa. Ion concentration control. 1,684,645; Sept. 18.
- Smith, Isabella H., Philadelphia, Pa., assignor to Groesbeckhearn, Inc. Clothes-fastener mounting. 1,668,519; May 1.
- Smith, Jacob F. (See Weimer, A. W., and Smith.)
- Smith, James. (See Gilbert, A., and Smith.)
- Smith, James E., Wilkinsburg, assignor of one-half to I. Gordon, Pittsburgh, Pa. Process and apparatus for forming grids. 1,676,366; July 10.
- Smith, James H., Gloucester, Mass. Ornament for automobile radiators. Des. 74,580; Feb. 28.
- Smith, James H., South Weymouth, Mass. Oil burner. 1,674,704; June 26.
- Smith, James H., and R. G. Smith, Watertown, Mass.; said R. G. Smith assignor to said James H. Smith. Oil burner. 1,674,746; June 26.
- Smith, James J., Glenside, Pa. Picker-stick clamp. 1,690,843; Nov. 6.
- Smith, James N., Bonair, Iowa. Snowplow. 1,667,445; Apr. 24.
- Smith, James O., assignor of one-half to L. E. Harsbbarger, Kiefer Okla. Valve. 1,683,927; Sept. 11.
- Smith, James T. (See Taylor, H. W., and Smith.)
- Smith, James T., assignor to The Russ Manufacturing Company, Cleveland, Ohio. Refrigerating cabinet and method of refrigerating elongated bodies. 1,675,280; June 26.
- Smith, James W. (See Rosencrans, John H., assignor.)
- Smith, Jarvis E., and J. J. Herlbauer, Jamaica, N. Y. Tire-rim clamp. 1,675,869; July 3.
- Smith, Jasper A., assignor to Delco-Light Company, Dayton, Ohio. Water system. 1,685,099; Sept. 25.
- Smith, Jay H., Glendale, Calif. Gas burner. 1,669,631; May 15.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,654,901; Jan. 3.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,656,153; Jan. 10.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,656,297; Jan. 17.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Holder for worksheets and carbons. 1,656,650; Jan. 17.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,661,311; Mar. 6.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott-Fisher Company, New York, N. Y. Manifold-web-printing machine. 1,663,145; Mar. 20.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,665,285; Apr. 10.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,670,126; May 15.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting-machine demonstration chart. 1,677,569; July 17.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,481; Aug. 14.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and card-perforating machine. 1,680,813; Aug. 14.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,684,155; Sept. 11.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Copyholder for typewriting machines. 1,686,350; Oct. 2.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,688,760; Oct. 23.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,690,844; Nov. 6.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,694,519; Dec. 11.
- Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting-machine demonstration chart. 1,695,700; Dec. 18.
- Smith, Joel, jr., Byron, Okla. Vehicle tire rim. 1,689,898; Oct. 30.
- Smith, John A., Canonsburg, Pa. Take-up for bearings. 1,662,479; Mar. 13.
- Smith, John A., Pasadena, Calif. Multiple-magazine holder. 1,672,580; June 5.
- Smith, John B. (See Olin, J. M., Davis, and Smith.)
- Smith, John C., Chicago, Ill. Illuminated advertising sign. 1,663,392; Mar. 20.
- Smith, John D., Tipton, Ind. Chicken feeder. 1,680,181; Aug. 7.
- Smith, John D., and C. R. Phillips, Richmond, Va. Stamp-affixing machine. 1,693,965; Dec. 4.
- Smith, John F., San Francisco, Calif. Valve-stem lubricator. 1,668,089; May 1.
- Smith, John G., Wahoo, Nebr. Otoscope. 1,686,041; Oct. 2.
- Smith, John H., Pittsburgh, Pa. Twist meter. 1,686,714; Oct. 9.
- Smith, John H., assignor of one-half to H. M. Ainsworth, Luling Tex. Slip for drilling rigs, etc. 1,659,639; Feb. 21.
- Smith, John H., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,675,470; July 3.
- Smith, John H., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-balance condenser plant. 1,675,471; July 3.
- Smith, John H., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,684,154; Sept. 11.
- Smith, John J. (See Fowler, B. L., and Smith.)
- Smith, John J., Allston, Mass. Pelt or hide stretcher. 1,667,295; Apr. 24.
- Smith, John J., Allston, Mass. Pelt stretcher. 1,695,613; Dec. 18.
- Smith, John L., Winston-Salem, N. C. Seat for barber chairs and the like. 1,660,584; Feb. 28.
- Smith, John M., Chihuahua, Mex. Digit guard. 1,684,076; Sept. 11.
- Smith, John O., Cleveland, Ohio, assignor of one-half to L. K. Woodman. Ventilator for closed cars. 1,660,893; Feb. 28.
- Smith, John O., assignor to The Upson-Walton Company, Cleveland, Ohio. Combined stuffing box and shaft bearing. 1,685,381; Sept. 25.
- Smith, John R. C., Victoria, British Columbia, Canada. Handle for steering wheels. 1,685,686; Sept. 25.
- Smith, John R. C., Victoria, British Columbia, Canada. Internal-combustion-engine cylinder head. 1,689,304; Oct. 30.

- Smith, John T., San Francisco, Calif. Pilot light. 1,665,987; Apr. 10.
- Smith, John W., Philadelphia, Pa. Air-cooling system. 1,655,518; Jan. 10.
- Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Rolling wheel discs. 1,657,231; Jan. 24.
- Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Method and apparatus for feeding rotating disk-forming machines. 1,665,825; Apr. 10.
- Smith, John W., Philadelphia, Pa. Cooling system for the valves of internal-combustion engines. 1,672,003; June 5.
- Smith, John W., Philadelphia, Pa. Rolling thin sections. 1,684,206; Sept. 11.
- Smith, John W., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 1,678,682; July 31.
- Smith, John W., Dayton, Ohio. Gate. 1,681,374; Aug. 21.
- Smith, John W., Dover Village, Ohio. Game. 1,685,142; Sept. 25.
- Smith, John W., G. E. Sawyer, and V. L. Martin, Independence, Kans. Oil and gas well packer. 1,681,262; Aug. 21.
- Smith, Joseph A., Collingswood, N. J. Rotary saw. 1,661,774; Mar. 6.
- Smith, Joseph D., assignor of one-half to J. K. Richardson, St. Marys, Ontario, Canada. Sheet-metal pipe. 1,693,621; Dec. 4.
- Smith, Joseph I., Ogden, Utah. Combined tent, bed, and case. 1,696,286; Dec. 25.
- Smith, Joseph J., Newark, N. J., assignor to Newark Noveloid Company. Eyeglass frame. 1,690,139; Nov. 6.
- Smith, Joseph N., Company. (See Brown, Fred E., sr., assignor.)
- Smith, Joseph P., jr., Kansas City, Mo. Revolving and oscillating fan. 1,659,501; Feb. 14.
- Smith, Joseph W., Cambridge, Ohio. Eye-testing device. 1,669,916; May 15.
- Smith, Joseph W., New York, N. Y., assignor to S. P. Connor, Maplewood, N. J. Telephone-dial protector. 1,673,055; June 12.
- Smith, Julian C. (See Matheson, H. W., and Smith.)
- Smith, L. C., and Corona Typewriters Inc. (See Ely, Alonzo B., assignor.)
- Smith, Kenneth G. (See Oakley, G. E. J., and Smith.)
- Smith, L. C., and Corona Typewriters Inc. (See Ely, A. B., and Harmon, assignors.)
- Smith Laboratories, Inc. (See Smith, Andrew, assignor.)
- Smith, Landon D., assignor of one-half to H. Archer, New York, N. Y. Bulletin board. 1,669,308; May 8.
- Smith, Landon D., assignor to National Vending Service Company, Chicago, Ill. Vending machine. 1,688,402; Oct. 23.
- Smith, Landon P., Irvington, N. J. Glass pliers or nippers. 1,674,485; June 19.
- Smith, Lathrop F., assignor to Franklin Furniture Company, Columbiana, Ohio. Chair or similar article. Des. 76,559; Oct. 9.
- Smith, Laurence A., Kansas City, Mo. Support fixture for hangings or for clothes hangers. 1,693,408; Nov. 27.
- Smith, Leander D., Los Angeles, Calif. Pipe-seat-cutting machine. 1,678,712; July 31.
- Smith, Leatham D., Sturgeon Bay, Wis. Sand-dredging vessel. 1,690,380; Nov. 6.
- Smith-Lee Company. (See Meldrum, Alexander, assignor.)
- Smith, Leo O. (See Macdonald, Rob R., assignor.)
- Smith, Leo O., assignor to Columbia Machine Works and Malleable Iron Co., Brooklyn, N. Y. Connector. 1,677,734; July 17.
- Smith, Leon A., and R. Rzemieniecki, Washington, D. C. Electric heating device. 1,654,842; Jan. 3.
- Smith, Leon R., Englewood, Colo. Ventilator for closed cars. 1,678,748; July 31.
- Smith, Leonard F., Thompson Falls, Mont. Cleaning rod and extracting device. 1,665,988; Apr. 10.
- Smith, Lester, assignor of one-fourth to D. H. Smith, one-fourth to D. B. Smith, and one-fourth to O. H. Smith, Port Washington, Wis. Shipping crate. 1,655,880; Jan. 10.
- Smith, Lester, assignor of one-fourth to D. H. Smith, one-fourth to D. B. Smith, and one-fourth to O. H. Smith, Port Washington, Wis. Shipping crate. 1,670,752; May 22.
- Smith, Lester C., Springdale, assignor of one-half to N. J. Thompson, Hartford, Conn. Fuel vaporizer. 1,691,615; Nov. 13.
- Smith, Lloyd B., and G. W. Jamison, assignors to The Atlantic Refining Company, Philadelphia, Pa. Sludge treatment. 1,676,294; July 10.
- Smith, Lloyd R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Oil-refining still and making the same by electric welding. Re16,865; Jan. 31.
- Smith, Lloyd R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Making pipe couplings. 1,682,996; Sept. 4.
- Smith, Louis E., assignor to International Milling Company, Minneapolis, Minn. Method of and apparatus for treating wheat. 1,679,099; July 31.
- Smith, Luther, assignor of two-sevenths per cent to W. Scott, two-sevenths per cent to W. Green, one-seventh per cent to M. Wilson, and one-seventh per cent to H. Stewart, Norristown, Pa. Rolling steel rails. 1,667,875; May 1.
- Smith, Margaret J., assignor, by mesne assignments, to Western Safety Razor Company, Los Angeles, Calif. Safety razor. 1,690,557; Nov. 6.
- Smith, Martin E. (See Davis, E. P., Ross, and Smith.)
- Smith, Marvin W., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alternating-current transmission system. 1,685,963; Oct. 2.
- Smith, Maud E., El Reno, Okla. Baby pants. 1,684,046; Sept. 11.
- Smith, Maurice R., Kansas City, Mo. Mailing tube. 1,673,599; June 12.
- Smith, Mowry, Neenah, assignor to Menasha Wooden Ware Company, Menasha, Wis. Tub cover. 1,678,306; July 24.
- Smith, Murphy D., W. Morgan, and W. D. Moore, Birmingham, Ala., assignors to Sand Spun Patents Corporation, Wilmington, Del. Automatic control of centrifugal machines. 1,656,537; Jan. 17.
- Smith, Murphy D., W. Morgan, and W. D. Moore, Birmingham, Ala., assignors to Sand Spun Patents Corporation, New York, N. Y. Automatic control for centrifugal casting machines. 1,656,539; Jan. 17.
- Smith, Neal D., assignor to United States Gypsum Company, Chicago, Ill. Weight-supporting tile. 1,677,907; July 24.
- Smith, Nelson K., Dallas, Tex. Tongs. 1,693,002; Nov. 27.
- Smith, Norman C., Pittsburgh, Pa. Ice pick. Des. 77,192; Dec. 11.
- Smith, Oliver H., et al. (See Smith, Lester, assignor.)
- Smith, Oliver F., Chicago, Ill. Toilet set. 1,682,990; Sept. 4.
- Smith, Omar H., assignor to General Rubber Company, New York, N. Y. Treating rubber latex and products obtained thereby. 1,678,022; July 24.
- Smith, Omar H., New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Production of styrol from chlor ethyl benzol. 1,687,903; Oct. 16.
- Smith, Oral C. (See Smith, George L. and O. C.)
- Smith, Orin L., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for removing projecting tacks from the interior of boots and shoes. 1,682,807; Sept. 4.
- Smith, Orison, Canada, Ky. Beehive-entrance snow guard. 1,659,640; Feb. 21.
- Smith, Orison, Canada, Ky. Scale. 1,659,641; Feb. 21.
- Smith, Oscar A., East Cleveland, and R. C. Kinley, Lakewood, assignors to The National Acme Company, Cleveland, Ohio. Nut-catellating machine. 1,672,004; June 5.
- Smith, Oscar T., Wellsburg, and L. A. Diller, Follansbee, W. Va., assignors to Sheet Metal Specialty Company, Pittsburgh, Pa. Metallic receptacle and producing the same. 1,673,645; June 12.
- Smith, Oscar W., assignor to E. R. Smith, Carlisle, Ark. Ditching and levee-building machine. 1,671,939; May 29.
- Smith, Owen P., deceased, Miami, Fla.; H. M. Smith, administratrix. Braking device for electric cars and the like. 1,656,298; Jan. 17.
- Smith, Owen P., deceased, Miami, Fla.; H. M. Smith, administratrix. Door-closing mechanism. 1,661,273; Mar. 6.
- Smith, Owen P., deceased; H. M. Smith, administratrix, Miami, Fla. Rail brush for electric cars. 1,681,650; Aug. 21.
- Smith, Peter F., Brooklyn, assignor to Atlantic Lithographic and Printing Company, New York, N. Y. Advertising device. 1,656,341; Jan. 17.
- Smith, Philip A., London, and H. G. Smith, Stockton-on-Tees, assignors to Synthetic Ammonia & Nitrates Limited, Billingham, Stockton-on-Tees, England. Manufacture of acetic acid and acetates. 1,679,994; Aug. 7.
- Smith, Preston R., Summit, N. J., assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Stencil blank and manufacturing the same. 1,655,249; Jan. 3.
- Smith, Ralph E. and R. J. Arnold, assignors to The Galion Metallic Vault Company, Galion, Ohio. Dump body. 1,695,034; Dec. 11.
- Smith, Ray, F., Cortland, N. Y. Composite upholstery rope or cord and making same. 1,659,711; Feb. 21.
- Smith, Raymond D., Pleasantville, N. Y., assignor, by mesne assignments, to Tremont Products Corporation, Boston, Mass. Imitative candle fitting. 1,677,412; July 17.
- Smith, Raymond H., and C. B. Meyers, Richmond, Ind. Oil burner. 1,684,288; Sept. 11.
- Smith, Rebecca, New York, N. Y., assignor to J. F. Pugliese, Washboiler. 1,655,250; Jan. 3.
- Smith, Rhea G. (See Smith, James H. and R. G.)
- Smith, Richardson Co. (See Durand, Moise H.)
- Smith, Robert A., Mahwah, assignor to Smith and Serrell, Newark, N. J. Spring-wire connector coupling. 1,657,844; Jan. 31.
- Smith, Robert B., assignor of one-half to G. E. Steinhoff, Sargent, Nebr. Combined mailbox and signpost. 1,667,639; Apr. 24.
- Smith, Robert C. (See Penfold, A. E., Truesdale, and Smith.)
- Smith, Robert E., South Euclid, Ohio. Filling station. Des. 75,294; May 22.
- Smith, Robert F., New York, N. Y. Shaving soap. 1,667,993; May 1.
- Smith, Robert O., Chicago, Ill. Building construction. 1,673,760; June 12.

- Smith, Robert T., et al. (See Hodgson, Frederick, assignor.)
- Smith, Robert T., assignor to Lynton Wheel and Tyre Company, Limited, Warrington, England. 1,672,696; June 5.
- Smith, Roscoe B., Kenvil, N. J., and E. M. Symmes, assignors to Hercules Powder Company, Wilmington, Del. Gelatin-dynamite explosive. 1,667,083; Apr. 24.
- Smith, Roy H. (See de Lapotterie, Otto H., assignor.)
- Smith, Roy H., Kent, Ohio. Annealing furnace. 1,656,924; Jan. 24.
- Smith, Roy M., et al. (See Smyser, Elmer D., assignor.)
- Smith, Russell A. (See Inge, H. H., and Smith.)
- Smith, Russell J., Menasha, Wis. Machine for closing bottles. 1,657,556; Jan. 31.
- Smith, S. Morgan, Company. (See Jessop, George A., assignor.)
- Smith, S. Morgan, Company. (See Syvertsen, Harald, assignor.)
- Smith, S., & Sons (Motor Accessories) Limited. (See Spiller, Herbert W., assignor.)
- Smith, Samuel, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Slug-trimming mechanism. 1,655,075; Jan. 3.
- Smith, Samuel H., Rocky River, Ohio. Condenser. 1,667,058; Apr. 24.
- Smith, Samuel K., New Brighton, Pa. Plant protector. 1,692,229; Nov. 20.
- Smith, Samuel T. G., St. Louis, Mo. Making smooth castings. 1,683,630; Sept. 11.
- Smith, Sanford L., Orange, Mass. Internal-combustion engine. 1,656,538; Jan. 17.
- Smith, Scott V., Bridgeport, Ill. Automatic vacuum-controlled valve. 1,696,366; Dec. 25.
- Smith Separator Company. (See Dillon, Stephen V., assignor.)
- Smith & Serrell. (See Smith, Robert A., assignor.)
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Lavatory. Des. 74,844; Apr. 3.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Lavatory. Des. 74,845; Apr. 3.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Closet tank. Des. 75,193; May 15.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Faucet. Des. 76,560; Oct. 9.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Faucet. Des. 76,714; Oct. 23.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Faucet valve or the like. Des. 76,827; Nov. 8.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Combined valve handle and housing. Des. 76,903; Nov. 13.
- Smith, Sherman, assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Combined valve handle and housing. Des. 76,904; Nov. 13.
- Smith, Swan, White Bear, assignor of one-half to West Publishing Company, St. Paul, Minn. Machine for forming book end sections. 1,688,666; Oct. 23.
- Smith, Swan, White Bear, assignor of one-half to West Publishing Company, St. Paul, Minn. Book end section. 1,688,667; Oct. 23.
- Smith, Sydney, London, England, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Pick-up and centering device for billet-handling machines. 1,677,873; July 17.
- Smith, Sydney, London, England, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Pick-up and centering device for billet-handling machines. 1,677,874; July 17.
- Smith, Sydney, Chobham, assignor of one-half to S. F. Edge, Thames Ditton, England. Brake gear for motor vehicles. 1,679,690; Aug. 7.
- Smith, Sylvester, Reedley, Calif. Tool for cutting valve seats. 1,693,767; Dec. 4.
- Smith System Heating Company. (See Smith, Harry L., assignor.)
- Smith, T. G. (See Ballowe, Leigh M., assignor.)
- Smith, Talcott P., Washington, D. C. Lubrication system. 1,691,214; Nov. 13.
- Smith, Thomas K., Chicago, Ill. Bread slicer. 1,667,994; May 1.
- Smith, Thomas S., Wilmington, Calif. Pulley block. 1,674,071; June 19.
- Smith, Thomas W., Irvington, N. J. Coiling machine. 1,678,749; July 31.
- Smith, Turner B., and J. E. Bixler, Wilmington, Calif. Rod attachment. 1,693,320; Nov. 27.
- Smith, Ulysses G., et al. (See Larsh, John M., assignor.)
- Smith, Vernon A. (See Rae, F. B., and Smith.)
- Smith, Vernon B., Chicago, Ill. Paper bird puzzle. Des. 76,164; Aug. 21.
- Smith, W. D., Silver Company. (See Bourgeois, Robert J., assignor.)
- Smith, Wallace W., V. B. Trevellyan, Chicago, Ill., and N. J. Jewett, Jewell Station, Va. Stair, ladder, and the like. 1,688,210; Oct. 16.
- Smith, Walter, West Hartlepool, assignor to The Expanded Metal Company, Limited, London, England. Treatment of metal surfaces. 1,672,180; June 5.
- Smith, Walter A., Houston, Tex. Oil-injecting apparatus for asphalt mixers. 1,695,722; Dec. 18.
- Smith, Walter F., jr., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone muffler. 1,688,995; Oct. 23.
- Smith, Walter H., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Sheet-delivery device. 1,662,647; Mar. 13.
- Smith, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric Company. Control apparatus. 1,682,432; Aug. 28.
- Smith, Walter S., Columbus, Ohio. Scale frame. Des. 74,331; Jan. 24.
- Smith, Walter S., Columbus, Ohio. Scale frame. Des. 74,332; Jan. 24.
- Smith, Walter S., Columbus, Ohio. Scale frame. Des. 74,456; Feb. 14.
- Smith, Walter S., Columbus, Ohio. Scale. 1,676,295; July 10.
- Smith, Walter S., Columbus, Ohio. Scale. 1,682,355; Aug. 28.
- Smith, Walter T., Galveston, Tex. Pump. 1,675,199; June 26.
- Smith, Walter T., Galveston, Tex. Pump. 1,675,200; June 26.
- Smith, Warren A., Marshall, Mo. Anchoring device. 1,672,787; June 5.
- Smith, Warren A., Geneva, Ill. Chaplet-forming machine. 1,672,861; June 5.
- Smith, Wellington J., Cleveland, Ohio. Thermostat. 1,687,230; Oct. 9.
- Smith, Weston R., and R. F. Wieneke, Jackson, assignors to General Motors Corporation, Detroit, Mich. Wheel-hub-assembling device. 1,662,543; Mar. 13.
- Smith, Wheeler E., Pueblo, Colo. Joiner's clamp. 1,675,389; July 3.
- Smith, Will C., assignor to Nicholas Power Company, Inc. New York, N. Y. Framing light for moving-picture machines. 1,669,427; May 15.
- Smith, Will F., Brooklyn, N. Y. Bow-necktie frame. 1,655,509; Apr. 10.
- Smith, Willard P., Newark, N. J. Vending machine. 1,665,989; Apr. 10.
- Smith, William A., Sayre, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device. 1,656,540; Jan. 17.
- Smith, William A., Sayre, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,656,541; Jan. 17.
- Smith, William A., Jr., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,666,427; Apr. 17.
- Smith, William C., Chicago, Ill. Automobile transmission mechanism. 1,658,021; Jan. 21.
- Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Pile-wire-controlling mechanism for looms. 1,664,327; Mar. 27.
- Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Wire-carriage-release dog for pile-wire-controlling mechanism for looms. 1,665,147; Apr. 3.
- Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Brake for pile-wire-controlling mechanism for looms. 1,667,682; Apr. 24.
- Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Driving means for pile-wire-controlling mechanism for looms. 1,668,574; May 8.
- Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Hook mounting for pile-wire-controlling mechanism for looms. 1,683,495; Sept. 4.
- Smith, William E., Milltown, assignor to Gulbenkian Seamless Rug Company, New Brunswick, N. J. Stop motion for looms. 1,693,498; Nov. 27.
- Smith, William E., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,664,834; Apr. 3.
- Smith, William F., assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Valve gear. 1,679,794; Aug. 7.
- Smith, William F., Brooklyn, assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Tractor for agricultural implements. 1,682,311; Aug. 28.
- Smith, William F., assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Internal-combustion engine. 1,691,616; Nov. 13.
- Smith, William H., Norristown, assignor, by mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa. Apparatus for undercutting pin holes in the center shells of insulators. 1,677,498; July 17.
- Smith, William H., and A. S. Webster, Ottawa, Canada, assignors to American Bank Note Company, New York, N. Y. Method of and apparatus for making gummed paper. 1,665,611; Apr. 10.
- Smith, William H., San Francisco, Calif. Binder for loose leaves. 1,691,257; Nov. 13.
- Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Apparatus for reducing metallic oxides. 1,692,587; Nov. 20.

- Smith, William H., assignor to General Reduction Corporation, Detroit, Mich. Reducing metallic oxides. 1,692,588; Nov. 20.
- Smith, William J. (See Laughlin, S. L., Braun, and Smith.)
- Smith, William J., Philadelphia, Pa. Hydraulic operating means. 1,660,977; Feb. 28.
- Smith, William J., Philadelphia, Pa. Hydraulic operating means. 1,661,016; Feb. 28.
- Smith, William J., Philadelphia, Pa. Rotary valve. 1,677,499; July 17.
- Smith, William J., assignor, by mesne assignments, to G. P. O'Brien, H. Martin, R. Moore, T. W. Stanley, and J. A. Holland, trustees, Philadelphia, Pa. Pump. 1,657,905; Jan. 31.
- Smith, William J., Philadelphia, assignor to V. S. Clymer, Souderton, Pa. Air compressor. 1,692,473; Nov. 20.
- Smith, William J., St. Paul, assignor of one-third to H. Lowry, Minneapolis, Minn., and one-third to A. L. Drum, Chicago, Ill. Railway-car truck. 1,674,183; June 19.
- Smith, William J., St. Paul, assignor of one-third to H. Lowry, Minneapolis, Minn., and one-third to A. L. Drum, Chicago, Ill. Railway brake. 1,696,869; Dec. 25.
- Smith, William O. (See McDonald, A., and Smith.)
- Smith, William P., Capron, Va. Pulley. 1,679,691; Aug. 7.
- Smith, William S., Cambridge, Mass. Electromagnet. 1,692,056; Nov. 20.
- Smith, William W., Jersey City, N. J. Boiler. 1,685,962; Oct. 2.
- Smith, William W., and R. W. Erickson, Jersey City, N. J. Electric torsion power meter. 1,685,964; Oct. 2.
- Smith, Willoughby S., N. Poppleford, and H. J. Garnett, Sevenoaks, England. Alloy suitable for loading telephone and telegraph conductors. 1,656,764; Jan. 17.
- Smith, Willoughby S., Newton Poppleford, and H. J. Garnett, Sevenoaks, England. Magnetic alloy and its application in the manufacture of telegraphic and telephonic cables. 1,656,959; Jan. 24.
- Smith, Willoughby S., Newton Poppleford, H. J. Garnett, Sevenoaks, and J. A. Holden, Gidea Park, England. Magnetic alloy. 1,667,746; May 1.
- Smith, Willoughby S., Benchams, Newton Poppleford, and N. W. McLachlan, London, England. Photo-electric cell. 1,668,383; May 1.
- Smith, Willoughby S., Benchams, Newton Poppleford, and A. D. Shuter, Harrow-on-the-Hill, England. Apparatus for laying or guiding ropes, chains, and cables. 1,670,993; May 22.
- Smith, Willoughby S., Newton Poppleford, N. W. McLachlan and W. G. R. Jacob, London, England. Telegraphy. 1,682,941; Sept. 4.
- Smith, Willoughby S., Benchams, Newton Poppleford, and N. W. McLachlan, London, England. Cable telegraphy and the like. 1,684,116; Sept. 11.
- Smith, Willoughby S., Newton Poppleford, N. W. McLachlan, and W. G. R. Jacob, London, England. Telegram system and circuit arrangement therefor. 1,684,117; Sept. 11.
- Smith, Willoughby S., Benchams, Newton Poppleford, N. W. McLachlan, and W. G. R. Jacob, London, England. Cable telegraphy and the like and circuit therefor. 1,684,248; Sept. 11.
- Smith, Willoughby S., Newton Poppleford, H. J. Garnett, Sevenoaks, and J. A. Holden, Gidea Park, England. Alloy and its application to the manufacture of electrical conductors. 1,688,247; Oct. 16.
- Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Sevenoaks, and J. A. Holden, Gidea Park, England. Loaded electric conductor. 1,691,309; Nov. 13.
- Smith, Willoughby S., Newton Poppleford, and A. D. Shuter, Harrow-on-the-Hill, England. Dynamometer for use in measuring the tension in a rope, cable, or the like. 1,692,057; Nov. 20.
- Smithe, F. L., Machine Company. (See Novick, Abraham, assignor.)
- Smithe, F. L., Machine Co. (See Smithe, Frank B., assignor.)
- Smithe, Frank B., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Liquid-level gauge. 1,681,504; Aug. 21.
- Smithers, Vernon L., Cuyahoga Falls, Ohio. Machine for investigating the properties of tires under loads. 1,678,363; July 24.
- Smithy, L. P., et al. (See Smithy, Marvin, assignor.)
- Smithy, Marvin, Lawrenceville, Va. Lubrication indicator. 1,661,312; Mar. 6.
- Smithy, Marvin, Lawrenceville, assignor to L. P. Smithy and N. C. Smithy, Roanoke, Va. Signal for motor vehicles. 1,693,554; Nov. 27.
- Smithy, Marvin, Lawrenceville, assignor to L. P. and N. C. Smithy, Roanoke, Va. Signal or indicator for motor vehicles. 1,693,555; Nov. 27.
- Smithy, Nellie C., et al. (See Smithy, Marvin, assignor.)
- Smith's, John E., Sons Co. (See Knowlton, Eugene W., assignor.)
- Smithson, Arthur. (See Honstain, V. G. and Smithson.)
- Smiley, Leslie E., and F. S. Moore, Los Angeles, Calif. Air-cooling system. 1,689,162; Oct. 23.
- Smittmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Manipulator for rolling mills. 1,657,286; Jan. 24.
- Smittmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Gauge for metal-working machines. 1,670,789; May 22.
- Smolczyk, Eduard. (See Wollin, K., and Smolczyk.)
- Smolensky, Michael, Cleveland, Ohio. Check-valve body. 1,662,869; Mar. 20.
- Smoot, Charles H., Maplewood, N. J. Regulator. 1,658,577; Feb. 7.
- Smoot, Charles H., Maplewood, N. J. Steam accumulator. 1,669,215; May 8.
- Smoot, Charles H., Maplewood, N. J. Desuperheater control. 1,671,686; May 29.
- Smoot, Charles H., Maplewood, N. J. Desuperheater. 1,674,455; June 19.
- Smoot, Charles H., Maplewood, N. J. Boiler-feed-water-regulating apparatus. 1,674,456; June 19.
- Smoot, Charles H., Maplewood, N. J. Control for intermittent motors. 1,675,062; June 26.
- Smoot, Charles H., Maplewood, N. J. Regulator. 1,680,750; Aug. 14.
- Smoot, Charles H., Maplewood, N. J. Apparatus for regulating the composition of mixed gases. 1,682,689; Aug. 28.
- Smoot, Charles H., Maplewood, N. J. Regulation by proportionate pressure and apparatus therefor. 1,685,787; Oct. 2.
- Smoot, Charles H., Maplewood, N. J. Furnace regulation. 1,685,788; Oct. 2.
- Smoot, Charles H., Maplewood, N. J. Steam-accumulator control. 1,689,061; Oct. 23.
- Smoot, Samuel K., assignor of one-half to W. F. Allen and H. Mosely, Flomot, Tex. Pipe-pulling device. 1,694,953; Dec. 11.
- Smotzer, Michael C., Coshocton, Ohio, and J. A. Byers, assignors to James B. Clow & Sons, Chicago, Ill. Centrifugal casting machine and method of casting. 1,684,419; Sept. 18.
- Smouse, John B., Chicago, Ill., assignor to Morton Manufacturing Company. Releasable vestibule-curtain handle. 1,666,073; Apr. 17.
- Smout, Warren R., Albany, Wis. Surface trimmer for meat blocks. 1,688,439; Oct. 23.
- Smoyer, Henry, W. H. Cumming, and H. W. Thiele, North Tonawanda, N. Y. Burner. 1,662,986; Mar. 20.
- Smullen, Mabel, Portland, Ore. Marcel water waver. 1,670,128; May 15.
- Smutek, Frank, Angola, N. Y. Handsaw. 1,659,448; Feb. 14.
- Smyser, Elmer D., assignor of one-third to R. M. Smith and one-third to P. E. Williams, Fellows, Calif. Tubing bleeder. 1,659,335; Feb. 14.
- Smyth, Clarence D., Rox, Nev., and G. M. Robey, Los Angeles, Calif. Traffic signal. 1,684,207; Sept. 11.
- Smyth, Cornelius M., Chicago, Ill. Ear guard. 1,683,928; Sept. 11.
- Smyth, Henry F. (See Pike, E. F., and Smyth.)
- Smyth, Howard M., Berkeley, Calif. Portable desk book rest. 1,655,419; Jan. 10.
- Smyth Manufacturing Company. (See Bischof, Ulrich, assignor.)
- Smyth, William H., Berkeley, Calif. Chain-link hinge. 1,656,610; Jan. 17.
- Smyth, William H., Berkeley, Calif. Tracklayer chain. 1,660,099; Feb. 21.
- Smyth, William H., Berkeley, Calif. High-speed tractor. 1,660,100; Feb. 21.
- Smyth, William H., Berkeley, Calif. High-speed tractor. 1,660,101; Feb. 21.
- Smyth, William H., Berkeley, Calif. High-speed track-laying tractor. 1,660,102; Feb. 21.
- Smyth, William H., Berkeley, Calif. High-speed self-laying-track vehicle. 1,660,103; Feb. 21.
- Smyth, William H., Berkeley, Calif. Fast-speed tractor. 1,660,104; Feb. 21.
- Smyth, William H., Berkeley, Calif. Convertible tractor. 1,660,105; Feb. 21.
- Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Modulating system. 1,654,902; Jan. 8.
- Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave communicating and switching system. 1,655,520; Jan. 10.
- Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Communicating and switching system. 1,678,203; July 24.
- Smythe, Edwin H., Evanston, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustic device. 1,678,833; July 31.
- Smythe, George W., et al. (See Weeks, Charles S., assignor.)
- Smythe, Richard H. (See Melville, W., and Smythe.)
- Smythe, Richard M., Boonton, N. J., assignor, by mesne assignments, to The Save-All Pie Plate Co., New York, N. Y. Pie plate. Re17,066; Aug. 14.
- Snaman, William E., Pittsburgh, Pa. Air filter. 1,671,383; May 29.
- Snap-Point Pencil, Inc. (See Vierling, Frank J., assignor.)
- Snapp, John P., Limestone, Tenn. Clinching tool. 1,658,358; Feb. 7.
- Snapp, John P., Limestone, Tenn. Splicing tool. 1,663,866; Mar. 27.

- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,657,232; Jan. 24.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,658,578; Feb. 7.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,662,987; Mar. 20.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,678,683; July 31.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Smith & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,679,795; Aug. 7.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal. 1,680,482; Aug. 14.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,681,792; Aug. 21.
- Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Magnetic apparatus. 1,684,929; Sept. 18.
- Snavely, Clarence S., Pittsburgh, and W. B. Wells, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 1,676,466; July 10.
- Snavely, Frank B., Santa Monica, Calif. Weather strip. 1,684,646; Sept. 18.
- Snead & Company. (See MacDonald, Angus S., assignor.)
- Snead & Company. (See MacDonald, A. S., and Waite, assignors.)
- Snedden, Frank W., Wilkinsburg, Pa. Automobile signal-lights casing. Des. 74,809; Mar. 27.
- Snedeker, Grant A. (See Styer, O. S., and Snedeker.)
- Snedeker, James W., Adrian, Mich., assignor to Page Steel & Wire Company. Toy woodpecker. 1,677,463; July 17.
- Snee, Michael, Los Angeles, Calif. Ball-bearing rail. 1,680,814; Aug. 14.
- Sneeston, Dorothy A., Providence, R. I. Detachable pump and slipper retainer. 1,655,715; Jan. 10.
- Snell, Carroll C., New York, N. Y. Chest or similar article. Des. 76,561; Oct. 9.
- Snell, Eugene E. (See Baird, R. C., and Snell.)
- Snell, George C. S., assignor to J. B. Brooks and Company Limited, Birmingham, England. Hand bag or case. 1,667,014; Apr. 24.
- Snell, Harry S. (See Daniels, E. A., and Snell.)
- Snell, Harry S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding compound. 1,678,713; July 31.
- Snell, James C., Oak Park, assignor to Premier Electric Company, Chicago, Ill. Potentiometer. 1,672,916; June 12.
- Snell, John B., Los Angeles, Calif., assignor of one-half to A. R. Kuhns, Colorado Springs, Colo. Shoe and forming the same. 1,663,319; Mar. 20.
- Snell, Samuel A., assignor to F. C. Matthaei, Detroit, Mich. Automobile heater. 1,684,118; Sept. 11.
- Snell, Samuel A., assignor to F. C. Matthaei, Detroit, Mich. Heater for automobiles. 1,696,214; Dec. 25.
- Snellgrove, Jane A., New York, N. Y. Memento novelty souvenir. 1,655,341; Jan. 3.
- Snelling, George T., Tignall, Ga. Shovel blade and sweep. 1,660,894; Feb. 28.
- Snelling, Walter O. (See Rinkenbach, William H., assignor.)
- Snelling, Walter O., Allentown, Pa. Current-rectifying device. 1,686,183; Oct. 2.
- Snelling, Walter O., Allentown, Pa. Contact rectifying device. 1,686,260; Oct. 2.
- Snelling, Walter O., and G. A. Rupp, Allentown, Pa., assignors to Trojan Powder Company, New York, N. Y. Explosive composition. 1,659,449; Feb. 14.
- Snider, C. H., et al. (See Moore, Samuel, assignor.)
- Snider, Roscoe O. (See Stott, Grover T., assignor.)
- Snoddy, Claude S., H. A. Hines, and H. A. Megonigle, Bartlesville, Okla. Attachment for pump pistons. 1,662,942; Mar. 20.
- Snoddy, Harvey M., Miller, S. Dak. Clothesline support. 1,660,724; Feb. 28.
- Snodgrass, Hascal, Bisbee, Ariz. Hair waver. 1,668,430; May 1.
- Snook, Earnest R., Davenport, Iowa, assignor to Stark-weather-Snook Corporation, Moline, Ill. Shock absorber. 1,679,842; Aug. 7.
- Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. 1,672,993; June 12.
- Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sound recording and reproduction. 1,681,376; Aug. 21.
- Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System for converting sound waves into electrical waves. 1,690,255; Nov. 6.
- Snovi, Harry H., Lima, Ohio. Sign-displaying device. 1,668,661; May 8.
- Snow, Benjamin H. (See Nygaard, O., and Snow.)
- Snow, Chester L., Washington, D. C. Fluid-controlling means. 1,662,723; Mar. 13.
- Snow, Clarence R., and D. J. Flood, Quincy, Mass. Magazine and book holder. 1,693,529; Nov. 27.
- Snow, Clifford H., Ferron, Utah. Boll-weevil collector. 1,660,849; Feb. 28.
- Snow, Edward A., Reading, Mass. Reducing the viscosity of liquids. 1,690,799; Nov. 6.
- Snow, Karl H., Brecksville, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Conveying mechanism. 1,660,939; Feb. 28.
- Snow, Norman L., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,664,865; Apr. 3.
- Snow, Walter A., New York, N. Y. Filing container. 1,683,996; Sept. 11.
- Snow, Wilbur H., assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for producing gears. 1,655,076; Jan. 3.
- Snyder, Arthur N. (See Snyder, John G. and A. N.)
- Snyder, Birdie S., et al. (See Shope, David F., assignor.)
- Snyder, Charles A., Norfolk, Va. Fastening device. 1,675,230; June 26.
- Snyder, Charles W., Los Angeles, Calif. Electrically-operated valve for controlling the flow of liquids or gases. 1,673,923; June 19.
- Snyder, Clifford L., assignor to The Evans Auto Loading Co. Inc., Detroit, Mich. Head-block strap attachment. 1,694,287; Dec. 4.
- Snyder, Daniel O., Muncy, Pa. Metal railway tie. 1,688,248; Oct. 16.
- Snyder, David W., Chicago, Ill. Duplex envelope. 1,668,874; May 8.
- Snyder, Earl M., Detroit, Mich. Amalgam plugger. 1,676,715; July 10.
- Snyder, Edward B., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,683,109; Sept. 4.
- Snyder, Edward H., Indianapolis, Ind. Display device. 1,658,102; Feb. 7.
- Snyder, Edward H., and W. D. Green, assignors to Combined Metals Reduction Company, Bauer, Utah. Concentration of ores. 1,691,310; Nov. 13.
- Snyder, Frank, Huntington, W. Va. Fluid-actuated brake. 1,674,378; June 19.
- Snyder, Frederick E., and J. P. von Giesen, Bronx, N. Y. Low-water alarm for boilers. 1,661,054; Feb. 28.
- Snyder, Garlen I., Indianapolis, Ind. Paper holding and advancing mechanism. 1,684,689; Sept. 18.
- Snyder, George C., Long Island City, assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Making reinforced bags. 1,671,050; May 22.
- Snyder, George C., Long Island City, assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Bag or envelope. 1,685,885; Oct. 2.
- Snyder, George C., Long Island City, assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Carrying bag and handle therefor. 1,691,741; Nov. 13.
- Snyder, George C., assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Method of and machine for conditioning sheet articles and of and for applying minor members to sheet articles, such as envelopes for example. 1,677,735; July 17.
- Snyder, George C., assignor to Kaelma Manufacturing Company, Inc., New York, N. Y. Method of and machine for applying minor members to sheet articles. 1,677,736; July 17.
- Snyder, Harry F., Los Angeles, Calif., assignor of one-half to M. E. Rice. Collapsible tent. 1,666,757; Apr. 17.
- Snyder, Harry L., assignor of one-half to F. Dau, West Los Angeles, Calif. Holder. 1,658,744; Feb. 7.
- Snyder, Hiram L., St. Louis, Mo. Vehicle direction signal. 1,691,502; Nov. 13.
- Snyder, Howard F. (See Blanks, W. C., Snyder, and Mikulasek.)
- Snyder, Howard F., assignor, by mesne assignments, to The Maytag Company, Newton, Iowa. Driving mechanism. 1,657,699; Jan. 31.
- Snyder, Howard F., assignor, by mesne assignments, to The Maytag Company, Newton, Iowa. Wringer. 1,687,401; Oct. 9.
- Snyder, Howard F., assignor, by mesne assignments, to The Maytag Company, Newton, Iowa. Packing and packing device. 1,693,003; Nov. 27.
- Snyder, Jacob R., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Universal fitting for shock absorbers. 1,656,925; Jan. 24.
- Snyder, Jacob R., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Shock absorber. 1,666,357; Apr. 17.
- Snyder, Jacob R., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Shock absorber. 1,690,256; Nov. 6.
- Snyder, Jacob R., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Shock absorber. 1,690,257; Nov. 6.
- Snyder, John E. (See Steinberg, S. H., and Snyder.)
- Snyder, John G. and A. N., New York, N. Y. Tie and fastener. 1,670,994; May 22.
- Snyder, John L. (See Willis, Glenn H., assignor.)
- Snyder, John L., Grandview, Wash. Press. 1,675,669; July 3.
- Snyder, Orlow C., Long Island City, N. Y. Nut lock. 1,663,393; Mar. 20.
- Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cementing device. 1,656,873; Jan. 17.

Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for vulcanizing rubber articles. 1,656,874; Jan. 17.

Snyder, Robert W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Air-bag stripper. 1,683,736; Sept. 11.

Snyder, Samuel E., Brooklyn, N. Y. Sash balance. 1,679,746; Aug. 7.

Snyder, Simon, assignor to Sprout, Waldron and Company, Muncy, Pa. Grain-cracking machine. 1,666,797; Apr. 17.

Snyder, William A., Los Angeles, Calif. Combination table. 1,688,174; May 1.

Snyder, William B., New York, assignor to The Auto-Hone Company, Buffalo, N. Y. Cylinder-grinding machine. 1,673,924; June 19.

Soabar Company. (See Henry, George W., jr., assignor.)

Sobel, Emanuel, Vienna, Austria. Discharge funnel for silos. 1,668,825; May 8.

Sobel, Frank, Brooklyn, N. Y. Display fixture. Des. 75,392; May 29.

Sobel, Frank, Brooklyn, N. Y., assignor to David Sobel's Sons Inc., New York, N. Y. Display fixture. Des. 74,333; Jan. 24.

Sobel, Frank, Brooklyn, assignor to David Sobel's Sons, Inc., New York, N. Y. Display fixture. Des. 75,295; May 22.

Sobel, Frank, Brooklyn, assignor to Metal Arterfact Fixture Co., New York, N. Y. Display stand. Des. 76,962; Nov. 20.

Sobel, Joseph, assignor to Genuine Bronze Fixture Co., Brooklyn, N. Y. Pedestal for display stands or similar articles. Des. 74,701; Mar. 13.

Sobel, Joseph, assignor to Genuine Bronze Fixture Co. Inc., Brooklyn, N. Y. Display stand. Des. 74,843; Apr. 3.

Sobel, Joseph, assignor to Genuine Bronze Fixture Co. Inc., Brooklyn, N. Y. Display stand. Des. 76,066; Aug. 14.

Sobel, Samuel, Brooklyn, N. Y. Display stand. Des. 77,132; Dec. 4.

Sobel's, David, Sons Inc. (See Sobel, Frank, assignor.)

Soberg, Arnold, Mohall, N. Dak. Radio battery charger. 1,669,028; May 8.

Soble, Jacob, New York, N. Y. Make-up mask. 1,655,440; Jan. 10.

Socher, Hans, Zurich-Hongg, Switzerland. Foot-arch support. 1,678,608; July 24.

Socia, Alexander J., and J. P. Daly, Syracuse, N. Y., assignors, by mesne assignments, to The Prosperity Company, Inc. Mechanism for pressing machines having start and stop motors. 1,691,677; Nov. 13.

Societa Italiana Ernesto Breda. (See Belluzzo, Giuseppe, assignor.)

Societa Italiana Ernesto Breda. (See Soncini, Cesare, assignor.)

Societa Italiana Pirelli. (See Emanuelli, Luigi, assignor.)

Société à Responsabilité limitée Bonnart & Cie. (See Fraue, Charles E., assignor.)

Société Alsacienne de Constructions Mécaniques. (See Gégauft, Charles, assignor.)

Société Alumine et Dérivés. (See Patrouilleau, Louis G., assignor.)

Société Anonyme: Cartoucherie Française. (See Gabel, Charles, assignor.)

Société Anonyme Adolphe Saurer. (See Laessker, Jean, assignor.)

Société Anonyme Chantiers & Ateliers Augustin Normand. (See Fenaux, Fernand, assignor.)

Société Anonyme Compagnie Internationale des Freins Automatiques. (See Pigeolet, René, assignor.)

Société Anonyme Cribla. (See Bascour, Firmin, assignor.)

Société Anonyme d'Eclairage et d'Applications Electriques. (See Blaringham, Auguste J. A., assignor.)

Société Anonyme des Anciens Etablissements Grosselin Pere et Fils. (See Hocquart, E. and Hogniot, assignors.)

Société Anonyme des Anciens Etablissements Hatot. (See Rollin, Simon, assignor.)

Société Anonyme des Anciens Etablissements Hotchkiss & Compagnie. (See Sutter, Charles, assignor.)

Société Anonyme des Anciens Etablissements Panhard & Levassor. (See Schaeffer, Charles, assignor.)

Société Anonyme des Ateliers d'Aviation Louis Breguet. (See Breguet, Louis, assignor.)

Société Anonyme des Ateliers de Sécheron. (See Werz, Jacob, assignor.)

Société Anonyme des Automobiles et Cycles Peugeot. (See Koechlin, Isaac, assignor.)

Société Anonyme des Distilleries des Deux-Sevres. (See Ricard, Eloi, assignor.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Boudin, Louis, assignor.)

Société Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Long, Bernard, assignor.)

Société Anonyme des Matieres Colorantes & Produits Chimiques de Saint-Denis. (See Lantz, R., and Wahl, assignors.)

Société Anonyme des Matieres Colorantes et Produits Chimiques de Saint-Denis. (See Wahl, A., and Lantz, assignors.)

Société Anonyme des Relais a Arc. (See Toulon, Pierre M. G., assignor.)

Societe Anonyme d'Etudes et de Constructions d'Appareils Mécaniques pour la Verrerie. (See Roirant, Emile, assignor.)

Société Anonyme, Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)

Société Anonyme Française Du "Ferodo." (See Bluhm, Alexandre, assignor.)

Société Anonyme John Cockerill. (See Cousin, Arthur J. F. J., assignor.)

Société Anonyme le Carbone. (See Oppenheim, René, assignor.)

Société Anonyme le Petrole Synthétique. (See Olivier, Georges, assignor.)

Société Anonyme Overcau. (See Veglio, Gaetano, assignor.)

Société Anonyme Pleyel. (See Lyon, Gustave, assignor.)

Société Anonyme pour l'Exploitation des Brevets Künzler. (See Künzler, Marcel, assignor.)

Société Anonyme pour Tous Appareillages Mécaniques. (See Dubreuil, Gaston, assignor.)

Société Anonyme Stenotype Grandjean. (See Grandjean, Marc, assignor.)

Société Belge des Produits Rationnels, Societe Anonyme. (See Gougard, Henri, assignor.)

Société Chimique des Usines du Rhone. (See Bouvier, M. E., and Hugoniot, assignors.)

Société Chimique des Usines du Rhone. (See Ledru, M. J. L., and Bachmann, assignors.)

Société D. Parville & Cie, The. (See Mallon, Paul, assignor.)

Société d'Electricité de Paris. (See Nicolini, Eugène, assignor.)

"Société d'Emboutissage et de Constructions Mécaniques." (See Amiot, Felix, assignor.)

Société de Recherches & d'Exploitations Pétrolifères. (See Godel, Albert, assignor.)

Société de Recherches et de Perfectionnements Industriels. (See Léveque, Pierre H., assignor.)

Société des Anciens Etablissements a Savy, Jeanjean & Co. (See Lebert, Louis, assignor.)

Société des Anciens Etablissements Siegel & Stockman Reunis. (See Weizsacker, Georges, assignor.)

Société des Brevets Etrangers Lefranc & Cie. (See Lefranc, Jacques, assignor.)

Société des Condenseurs Delas. (See Delas, Albert, assignor.)

Société des Etablissements Delostal Freres. (See Noble, Emile A., assignor.)

Société des Etablissements Singrün. (See Veber, Georges, assignor.)

Société d'Etudes Chimiques pour l'Industrie. (See Breslauer, J., and de Luserna, assignors.)

Société d'Eugens Graisseurs. (See Rigolage, Maurice J. J., assignor.)

Société de Vannoise, Ziegler & P. Langlois. (See Le Grand, R. P. A., and Garret, assignors.)

Société du Caoutchouc Manufacture. (See Laurain, Alfred, assignor.)

Société du Carburateur Zenith. (See Boulade, Antonin, assignor.)

Société Economique de Paris. (See Rueff, Renée, assignor.)

Société Electrometallurgique de Montricher. (See Miguet, Paul L. J., assignor.)

Société "Etablissements Samga & Bavox Réunis." (See Voreaux, Paul, assignor.)

Société Evette & Schaeffer. (See Evette, Maurice, assignor.)

Société Française de Construction Mécaniques (Anciens Etablissements Caill). (See Gossé, Auguste, assignor.)

Société Française de Filetage Indesserrable D. D. G. (See Dardelet, Hugues L., assignor.)

Société Generale des Mandrins "Brevets Beck." (See Beck, Frederic, assignor.)

Société Industrielle des Applications Chimiques, Société Anonyme. (See Botson, René, assignor.)

Société Industrielle des Matieres Plastiques. (See Barthélemy, Henri, assignor.)

Société Industrielle des Procédes W. A. Loth. (See Loth, William A., assignor.)

Société Industrielle des Téléphones (Constructions Electriques, Caoutchouc, Câbles). (See Ravut, Camille L. M., assignor.)

Société Internationale des Procédes Prudhomme (S. I. P. P.). (See Prudhomme, Eugene A., assignor.)

Société l'Aster. (See Monard, Alfred, assignor.)

Société le Matin. (See Rabaté, Jean, assignor.)

Société Lyonnaise de Soie Artificielle. (See Cusin, M., and Chevalet, assignors.)

Société Parisienne de Mécanique Generale. (See Dubois, Charles A., assignor.)

Société Parisienne Des Produits De Beaute "Ganna Walska". (See Liddell, Robert, assignor.)

Société Pellamail-Moutel & Cie. (See Durupt, Jean B., assignor.)

Société pour la Fabrication de la Soie "Rhodiaseta." (See Grillet, Nicolas B., assignor.)

Société pour la Fabrication de la Soie "Rhodiaseta." (See Lardy, Guillaume, assignor.)

Société pour la Fabrication de la Soie "Rhodiaseta." (See La Housse, Joseph E. G., assignor.)

Société Ricard, Allenet & Cie. (See Ricard, E., and Guinot, assignors.)

Société Schneider & Co., et al. (See de Courseulles, Robert, assignor.)

- Societe Thermosonus. (See Schwab, Jules, assignor.)
 Society "Chemical Works formerly Sandoz." (See Knecht, O., and Brutsch, assignors.)
 Society Le Bian & Cie. (See Roth, Martin A., assignor.)
 Society of Chemical Industry in Basle. (See Ackermann, Franz, assignor.)
 Society of Chemical Industry in Basle. (See Blumfeldt, A., and Kaegi, assignors.)
 Society of Chemical Industry in Basle. (See Bots, H., and Catineau, assignors.)
 Society of Chemical Industry in Basle. (See Catineau, André, assignor.)
 Society of Chemical Industry in Basle. (See Felix, Friedrich, assignor.)
 Society of Chemical Industry in Basle. (See Fritzsche, H., Krummenacher, Gubler, and Kalsner, assignors.)
 Society of Chemical Industry in Basle. (See Gams, A., and Scheidegger, assignors.)
 Society of Chemical Industry in Basle. (See Gams, A., and Widmer, assignors.)
 Society of Chemical Industry in Basle. (See Goeschke, Armin, assignor.)
 Society of Chemical Industry in Basle. (See Hartmann, Max, assignor.)
 Society of Chemical Industry in Basle. (See Isler, M., and von Mechel, assignors.)
 Society of Chemical Industry in Basle. (See Mayer, B., and Siebenbürger, assignors.)
 Society of Chemical Industry in Basle. (See Merki, Werner, assignor.)
 Society of Chemical Industry in Basle. (See Miescher, Karl, assignor.)
 Society of Chemical Industry in Basle. (See Minnich, Walter, assignor.)
 Society of Chemical Industry in Basle. (See Posternak, Swigel, assignor.)
 Society of Chemical Industry in Basle. (See Rupe, Hans, assignor.)
 Society of Chemical Industry in Basle. (See Schmit, Max, assignor.)
 Society of Chemical Industry in Basle. (See Staudinger, Hermann, assignor.)
 Society of Chemical Industry in Basle. (See Staudinger, H., Tobler, Stocker, Müller, and Bucher, assignors.)
 Society of Chemical Industry in Basle. (See Straub, F., de Montmollin, and Schmid, assignors.)
 Society of Chemical Industry in Basle. (See Straub, F., de Montmollin, Spieler, and von Planta, assignors.)
 Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
 Society of Chemical Industry in Basle. (See Straub, F., Schneider, and Broekly, assignors.)
 Socin, Joseph C., Brooklyn, N. Y. Musical instruments. 1,663,146; Mar. 20.
 Socony Burner Corporation. (See Metcalfe, Robert F., assignor.)
 Socony Burner Corporation. (See Tapp, H. F., and Dix, assignors.)
 Sode, Frank E., Chicago, Ill. Hydrometer. 1,677,801; July 17.
 Soderberg, Carl R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible gear wheel. 1,655,901; Jan. 10.
 Söderberg, Carl R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,665,938; Apr. 10.
 Soderberg, Carl R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,695,904; Dec. 18.
 Söderberg, Carl W., Oslo, assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Electrode mass for self-baking electrodes. 1,670,052; May 15.
 Söderberg, Carl W., assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Self-baking electrode. 1,686,474; Oct. 2.
 Soderberg, John G., G. D. Lockwood, and W. W. Robertson, Worcester, Mass., assignors to Crompton & Knowles Loom Works. Tube frame for Axminster looms. 1,662,212; Mar. 13.
 Soderberg, John G., and W. W. Robertson, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Yarn-tube frame for looms. 1,663,924; Mar. 27.
 Söderberg, Sten E. B., assignor to Arca Regulators, Inc., New York, N. Y. Compensation for regulation. 1,666,270; Apr. 17.
 Sodergren, John E., Minneapolis, Minn. Screen frame. 1,683,421; Sept. 4.
 Soderlund, Carl, Belmont, assignor to Hood Rubber Company, Watertown, Mass. Boot-tree or last. 1,679,330; July 31.
 Soderman, Charles E., Ishpeming, Mich. Thermo fish receptacle. 1,688,440; Oct. 23.
 Soderquist, Victor E., assignor of one-half to O. E. Linderholm, Marshalltown, Iowa. Collapsible brood coop. 1,671,051; May 22.
 Soderstrom, Nels J., Burtrum, Minn. Vehicle pole tip. 1,682,859; Sept. 4.
 Soderstrom, Oscar, North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh machine. 1,666,951; Apr. 24.
 Soderstrom, Oscar, North Attleboro, Mass., assignor to Whiting & Davis Company. Manufacture of link mesh. 1,668,739; May 8.
 Söffge, Herman, Bochum, Germany. Pressure regulator. 1,666,609; Apr. 17.
 Sofia, Gaetano, et al. (See Pagano, Gaetano, assignor.)
 Solberg, Erik G., Schenectady, N. Y., assignor to General Electric Company. Installation of electric apparatus. 1,694,288; Dec. 4.
 Solberg, Erik G., Schenectady, N. Y., assignor to General Electric Company. Ventilation of dynamo-electric machines. 1,694,990; Dec. 11.
 Sohler, Karl, Biederitz, near Magdeburg, assignor to Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg, Germany. Straining press. 1,672,659; June 5.
 Sohm, Alfred L., Chicago, Ill. Automobile radiator ornament. Des. 74,900; Apr. 10.
 Sohn, Frank, Chicago, and L. G. Marmion, Villa Park, Ill., assignors to The Vitrolite Company. Counter. Des. 74,457; Feb. 14.
 Sohn, Frank, Chicago, and L. G. Marmion, Villa Park, Ill., assignors to The Vitrolite Company. Decorative table top. Des. 74,702; Mar. 13.
 Sohn, Frank, Chicago, and L. G. Marmion, Villa Park, Ill., assignors to The Vitrolite Company. Tile or article of similar nature. Des. 75,812; July 17.
 Sohn, Frank, Chicago, and L. G. Marmion, Villa Park, Ill., assignors to The Vitrolite Company. Chicago, Ill. Tile or article of similar nature. Des. 75,813; July 17.
 Sohn, Frank, Chicago, L. G. Marmion, Villa Park, and E. H. Gibian, Chicago, Ill., assignors to The Vitrolite Company. Soda fountain. Des. 75,934; July 31.
 Sohst, Otto. (See Wagner, H., and Sohst.)
 Sokol, Abraham, and M. Present, Astoria, N. Y. Apparatus for manufacturing celluloid watch crystals. 1,655,027; Jan. 3.
 Sokolsky, Louis, assignor to A. K. Epstein, Chicago, Ill. Food-producing process and improved product produced thereby. 1,676,166; July 3.
 Solana, Moisés. (See Altamirano, Alberto, assignor.)
 Solanet, Louis J. H. (See Bertrand, J. M., and Solanet.)
 Solar Lighting Fixture Co. (See Bardwell, Ralph S., assignor.)
 Solar Lighting Fixture Co. (See Strom, Olaf S., assignor.)
 Solar Refining Company, The. (See Cory, J. M., and Bunke, assignors.)
 Solar Refining Company. (See Werkenthin, Theodore A., assignor.)
 Solarz, George, Gallitzin, Pa. Bread mixer. 1,688,211; Oct. 16.
 Solberg, Philip E. (See Olson, E. N., and Solberg.)
 Solcum, Frank P. (See Miller, C. D., and Slocum.)
 Soldan, Lewis E., and G. W. Behnke, Gladwin, Mich., assignors to Simplicity Engineering Company. Vibratory screen. 1,694,565; Dec. 11.
 Soldane, Lloyd A. T., Grenada, Calif. Mileage route chart. 1,682,151; Aug. 28.
 Solenberger, Dean M., Kansas City, Mo., assignor to Simplex Piston Ring Company, Cleveland, Ohio. 1,662,544; Mar. 13.
 Solenberger, Dean M., assignor to The Simplex Piston Ring Company of America, Inc., Cleveland, Ohio. Piston ring. 1,670,082; May 15.
 Solenberger, Dean M., assignor to Simplex Piston Ring Company, Cleveland, Ohio. Expander for sealing rings. 1,694,566; Dec. 11.
 Soley, Frank, Philadelphia, Pa., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination lock. 1,665,990; Apr. 10.
 Soley, Frank, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination padlock. 1,696,061; Dec. 18.
 Solheim, Marcus O., assignor to Anderson Lumber Company, Bayport, Minn. Dadoing machine. 1,658,260; Feb. 7.
 Solinger, Jacob, Providence, R. I. Bracelet chain or similar article. Des. 74,458; Feb. 14.
 Solla, Vicente, Catano, P. R. Direction indicator for vehicles. 1,668,028; May 1.
 Sollié, Sigurd A. (See Kolster, F. A., and Sollié.)
 Solomon, Arthur, New York, N. Y. Textile fabric. Des. 76,329; Sept. 11.
 Solomon, Arthur, New York, N. Y. Textile fabric. Des. 76,502; Oct. 2.
 Solomon, Cecil J., New York, N. Y. Mechanism for stretching sheets of material. 1,682,356; Aug. 28.
 Solomon, Charles, New York, N. Y. Hat. 1,660,770; Feb. 28.
 Solomon, Hyman, New York, N. Y. Combination bird cage and aquarium. Des. 75,663; June 26.
 Solon, Marc, Trenton, N. J. Baffle brick. Des. 74,198; Jan. 3.
 Soma, Andrew, and F. Burmeister, Harmony, Minn. Pump jack. 1,658,908; Feb. 14.
 Sombco, Inc. (See Bornstein, Joseph, assignor.)
 Somers, Paul, Richmond, Va. Coin-controlled liquid-dispensing apparatus. 1,655,666; Jan. 10.
 Somers, William A. (See Goodman, J., and Somers.)
 Somersalo, George A., New York, N. Y. Preventing retroactive effects in audion amplifier circuits. 1,656,839; Jan. 17.
 Somervell, Bertha W., administratrix. (See Somervell, Charles S.)

- Somervell, Charles S., deceased, Riverton, N. J.; B. W. Somervell, administratrix, assignor to Pennsylvania Gasoline Drill Company, Philadelphia, Pa. Impact or percussive tool of the explosive-motor type. 1,666,981; Apr. 24.
- Somes, Howard E., Philipse Manor, N. Y. Relay for electrical control apparatus. 1,667,747; May 1.
- Somes, Montreville, Abilene, Tex. Rule slide for setting blank forms on slug-casting machines. 1,658,949; Feb. 14.
- Sommaripa, Alexis, Buffalo, N. Y., and L. G. Roberts, Nashua, N. H. Machine for inspecting and bundling cloth. 1,696,287; Dec. 25.
- Sommer, Benjamin L., et al., executors. (See Sommer, P. W.)
- Sommer, Elizabeth G., et al., executors. (See Sommer, P. W.)
- Sommer, Fritz. (See D'Ans, J., and Sommer.)
- Sommer, J. L., Manufacturing Co. (See Harding, Thomas, assignor.)
- Sommer, Martin. (See Patocka, Johann, assignor.)
- Sommer, P. W., deceased, by E. G. Sommer, B. L. Sommer, and W. H. Sommer, executors, Peoria, assignor to Keystone Steel & Wire Company, South Bartonville, Ill. Road guard. 1,675,144; June 26.
- Sommer, William H., et al., executors. (See Sommer, P. W.)
- Sommer, William H., Peoria, Ill. Puller for wire-drawing benches. 1,670,753; May 22.
- Sommer, William H., Peoria, Ill. Rod mill. 1,672,917; June 12.
- Sommer, William H., Peoria, Ill. Heating apparatus. 1,694,191; Dec. 4.
- Sommer, William H., Peoria, Ill. Apparatus for pointing wires. 1,696,697; Dec. 25.
- Sommer, William H., Peoria, Ill. Pointing and drawing wires. 1,696,698; Dec. 25.
- Sommers, Herman J. (See Armstrong, Arthur N., assignor.)
- Sommers, Robert E., New York, N. Y. Hand-bag frame. Des. 74,846; Apr. 3.
- Somogyi, Ferenc, Paris, France. Interchangeable agricultural machine. 1,667,568; Apr. 24.
- Soncini, Cesare, Brescia, assignor to Societa Italiana Ernesto Breda, Milan, Italy. Device for lubricating automatic firearms. 1,656,960; Jan. 24.
- Soncini, Cesare, Brescia, assignor to Societa Italiana Ernesto Breda, Milan, Italy. Safety lock for automatic firearms. 1,656,961; Jan. 24.
- Songy, Claude G. and P. G., Wallace, La. Sulphur machine. 1,671,844; May 29.
- Songy, Prudent G. (See Songy, Claude G. and P. G.)
- Sonne, Minna B., Nexoe, Denmark. Wrapper for coins and the like. 1,685,649; Sept. 25.
- Sonnek, Pierre F. (See Fokker, A. H. G., and Sonnek.)
- Sonnek, Pierre F., Woodhaven, N. Y. Electric-circuit-controlling means. 1,682,098; Aug. 28.
- Sonner, Philip J., Winfield, Kans. Gas burner. 1,684,647; Sept. 18.
- Sonoco Products Company. (See Dunlap, Charles K., assignor.)
- Sonora Phonograph Company. (See Gruber, Morris M., assignor.)
- Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
- Sontag, Gregory B. (See Murphy, P. J., and Sontag.)
- Sontag, Peter P., et al. (See Cummins, Charles F., assignor.)
- Soots, Burl. (See Van Brimer, G., Magrath, Klancher, and Soots.)
- Soper, Fred H., Detroit, Mich., assignor to The American Foundry Equipment Company, New York, N. Y. Sand strainer. 1,658,745; Feb. 7.
- Soper, William J. (See Meikle, Joseph W. C., assignor.)
- Sopp, Luther W., et al. (See Tartar, Roscoe C., assignor.)
- Sorbello, Andrew J. (See Barker, David, assignor.)
- Sorbello, Andrew J., New York, N. Y. Smoking pipe: Des. 74,334; Jan. 24.
- Sorbello, Andrew J., Brooklyn, N. Y. Smoking pipe. 1,669,353; May 8.
- Sordelli, Ernesto, Buenos Aires, Argentina. Device for radiotherapy. 1,658,103; Feb. 7.
- Soref, Harry E., Milwaukee, Wis. Lock. 1,666,880; Apr. 17.
- Sorell, Otto D., Los Angeles, Calif. Game board for game pieces and surface. 1,666,474; Apr. 17.
- Soreng, Edgar M., Chicago, Ill., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Lock switch. 1,662,344; Mar. 13.
- Soreng, Edgar M., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Switch. 1,663,779; Mar. 27.
- Sorensen, Andrew J., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Decoding apparatus. 1,661,637; Mar. 6.
- Sorensen, Andrew J., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,672,005; June 5.
- Sorensen, Andrew J., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,682,997; Sept. 4.
- Sorensen, Carl H. (See Farmer, T., and Sorensen.)
- Sorensen, Clarence S., Los Angeles, Calif. Power transmission. 1,689,537; Oct. 30.
- Sorensen, Einar N., assignor to Auto-Carburetor Corporation, Fernandina, Fla. Thermostatic controlling device for carburetors. 1,667,569; Apr. 24.
- Sorensen, George, Chicago, Ill. Candy-cutting machine. 1,688,668; Oct. 23.
- Sorensen, George P., Chicago, Ill. Air vent and pressure fitting for liquid containers. 1,680,815; Aug. 14.
- Sorensen, Henry, San Francisco, Calif. Construction of fireproof buildings. 1,662,480; Mar. 13.
- Sörensen, Niels E. E., Sälvenas, Gottenborg, Sweden. Change-speed gear for motor cars or other power-propelled vehicles. 1,695,214; Dec. 11.
- Sorensen, Severin N., St. Paul, Minn. Recleaning sieve. 1,657,646; Jan. 31.
- Sorensen, Severin N., St. Paul, Minn. Dockage screen for thrashing machines. 1,663,027; Mar. 20.
- Sorey, Edward E., Thompsonville, Tex. Oil-well pump. 1,659,642; Feb. 21.
- Soriano, Charles A., assignor of one-half to M. Sciscio, Brooklyn, N. Y. Truss. 1,669,354; May 8.
- Sorlien, Harold A., Pasadena, Calif. Game. 1,675,619; July 3.
- Sosa, Augustus M. (See Robinson, A. E., and Sosa.)
- Sosa, Augustus M., Cincinnati, and W. G. Hoelscher, Norwood, assignors to The American Tool Works Company, Cincinnati, Ohio. Clutching mechanism. 1,660,585; Feb. 28.
- Sosdian, Lorenz, Asbury Park, N. J. Auto axle-frame lock. 1,690,040; Oct. 30.
- Sosnowski, Julius C., Long Beach, Calif. Speedometer-actuated circuit closer. 1,696,458; Dec. 25.
- Soss, Joseph, Brooklyn, N. Y. Hinge. 1,655,716; Jan. 10.
- Soss, Joseph, Brooklyn, N. Y. Making hinges. 1,670,170; May 15.
- Soss, Joseph, Brooklyn, N. Y. Invisible hinge. 1,682,860; Sept. 4.
- Soss, Joseph, Brooklyn, N. Y. Invisible hinge. 1,687,271; Oct. 9.
- Soss, Joseph, Brooklyn, N. Y. Concealed hinge. 1,688,996; Oct. 23.
- Soss, Joseph, Brooklyn, N. Y. Hinge. 1,693,004; Nov. 27.
- Sostheim, Benno B., Chicago, Ill. Display cabinet. 1,670,554; May 22.
- Sotak, Samuel, Jr., Lansford, Pa. Alarm. 1,692,518; Nov. 20.
- Soubier, Leonard D. (See Hofmann, V. E., and Soubier.)
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,660,429; Feb. 28.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-feeding apparatus. 1,660,430; Feb. 28.
- Soubier, Leonard D., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-heating means. 1,673,892; June 19.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,678,232; July 24.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,678,233; July 24.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glassware-annealing leer. 1,678,234; July 24.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for delivering charges of molten glass. 1,685,143; Sept. 25.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for supplying molten glass to molds. 1,690,998; Nov. 6.
- Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Method and apparatus for producing charges of molten glass. 1,692,589; Nov. 20.
- Soucy, Clovis E., Port Alfred, Canada. Animal trap. 1,657,976; Jan. 31.
- Soucy, John. (See Johnston, R. C., Soucy, McEwen, and Larue.)
- Souhigian, Marsop, Lawrence, Mass. Snow-removing machine. 1,666,358; Apr. 17.
- Soulé, Edward L., Berkeley, Calif. Column clamp. 1,683,929; Sept. 11.
- Soule, George M. (See Ahlm, C. E. F., and Soule.)
- Soule, George M., assignor to The American Multigraph Company, Cleveland, Ohio. Printing and addressing machine. 1,672,545; June 5.
- Soule, George M., South Euclid, assignor to Automotive Patent Holding Company, Cleveland, Ohio. Transmission gearing. 1,674,072; June 19.
- Soule, Roland P., assignor to Combustion utilities corporation, New York, N. Y. Insecticide. 1,655,573; Jan. 10.
- Soulis, Harold A. and W. T., New York, N. Y. Piston and producing same. 1,691,450; Nov. 13.
- Soulis, Wilbur T. (See Soulis, Harold A. and W. T.)
- Soulière, Edouard, Salon, France. Theft-preventing locking lock for bicycles. 1,687,697; Oct. 16.
- Sounitz, Vladimir B., Pasadena, Calif. Oil furnace. 1,691,941; Nov. 20.
- South Bend Bait Company, The. (See Pagin, John B., assignor.)
- South Texas Implement and Machinery Company. (See Pool, Kohl B., assignor.)
- Souther, Benjamin L., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Treating slack wax. 1,685,008; Sept. 18.

- Souther, Benjamin L., Pittsburgh, and W. A. Gruse, Wilkesburg, assignors to Gulf Refining Company, Pittsburgh, Pa. Treating slack wax. 1,685,058; Sept. 18.
- Southern California Edison Company. (See Frampton, William R., assignor.)
- Southern California Gas Company. (See Hamilton, Ferdinand A., assignor.)
- Southern Manganese Steel Company. (See Pryor, William M., assignor.)
- Southern Textile Machinery Co. (See Gramse, Roy A., assignor.)
- Southern Textile Machinery Company. (See Neikirk, Walter M., assignor.)
- Southern Textile Machinery Company. (See Steere, William J., assignor.)
- Southgate, Louis W., Washington, D. C. Method of and apparatus for causing oil to flow through pipe lines. 1,686,475; Oct. 2.
- Southington Hardware Co., The. (See Reynolds, John, assignor.)
- Southmayd, Leon N., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making cushion solid tires. 1,693,409; Nov. 27.
- Southwell, James, North Chelmsford, Mass. Circular-combing machine. 1,664,951; Apr. 3.
- Southwest Pump Company. (See Risser, Ross E., assignor.)
- Southwestern Engineering Corporation. (See Collins, Glenville A., assignor.)
- Southwestern Pipe Joint & Engineering Co., The. (See Armbruster, Fred C., assignor.)
- Southwestern Sales Corporation. (See Mann, James H., jr., assignor.)
- Sovig, Conrad B. (See Yale, Frank H., assignor.)
- Sowers, James L., assignor to The Tyler Manufacturing Company, Muncie, Ind. Fruit and vegetable press. 1,659,412; Feb. 14.
- Sowle, Herbert F., Melrose, Mass. Combination bed and couch. 1,672,697; June 5.
- Soýez, Friedrich, Mannheim, assignor to Zelistoffabrik Waldhof, Mannheim-Waldhof, Germany. Centrifugal sorting apparatus. 1,682,099; Aug. 28.
- Sozonian Burial Vault Company, The. (See Grund, Fletcher D., assignor.)
- Spackman, Thomas F., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum-operated liquid-lifting device. 1,690,140; Nov. 6.
- Spadaro, Antonio, et al. (See Sabatini, Andy, assignor.)
- Spadaro, Gaetano, et al. (See Sabatini, Andy, assignor.)
- Spadone Machine Company. (See Carroll, Joseph, assignor.)
- Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Dispensing pump. 1,664,574; Apr. 3.
- Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Hand truck. 1,668,129; May 1.
- Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Dispensing pump. 1,674,668; June 26.
- Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Grease-gun filler. 1,692,058; Nov. 20.
- Spaeth, Charles, Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Cambridge, Mass. Eliminating fluctuations in electric current. 1,693,258; Nov. 27.
- Spaeth, Charles, Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Cambridge, Mass. Electron-discharge tube. 1,693,321; Nov. 27.
- Spafford, Julian A., Brooklyn, N. Y. Inner stocking sole. 1,669,171; Feb. 14.
- Spahn, Fred C., Schleswig, Iowa. Gear-shifting and transmission mechanism. 1,672,698; June 5.
- Spahn, John A., Wilmington, Del. Conduit bushing. 1,692,710; Nov. 20.
- Spahn, John G., Lyons, Iowa. Lawn edger. 1,675,670; July 3.
- Spahr, Charles, sr., Algiers, La. Continuous railway crossing. 1,655,521; Jan. 10.
- Spahr, Howard A., Milwaukee, Wis. Electric switch. 1,671,615; May 29.
- Spain, Gail E., assignor to Willamette Iron and Steel Works, Portland, Oreg. Method of and apparatus for transporting logs. 1,694,931; Dec. 11.
- Spainhour, James S., assignor of one-half to J. H. Cohen, West Hempstead, N. Y. Radiophonomograph. 1,656,085; Jan. 10.
- Spalding, A. G., & Bros. (See Bromley, John, assignor.)
- Spalding, A. G., & Bros. (See Karlson, K. F. T., and Rau, assignors.)
- Spalding, A. G., & Bros. (See Mullins, Robert T., assignor.)
- Spalding, A. G., & Bros. (See Penney, Harold D., assignor.)
- Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
- Spalding, A. G., & Bros. Inc. (See Rau, Henry V., assignor.)
- Spalding, A. G., & Bros. (See Reach, William F., assignor.)
- Spalding, A. G., & Bros. (See Rogers, James B., assignor.)
- Spalding, A. G., & Bros. (See Saunders, Addison T., assignor.)
- Spalding, George W., Worcester, Mass., assignor to The Royal Worcester Corset Company. Garment and making same. 1,672,432; June 5.
- Spalding, John, Stamford, Conn., assignor to Albert T. Otto & Sons, New York, N. Y. Lace web and making the same. 1,665,230; Apr. 10.
- Spalding, John, Stamford, Conn., assignor to Albert T. Otto & Sons, New York, N. Y. Dry lubrication of textile machines. 1,694,148; Dec. 4.
- Spaldo, Louis C., assignor to Waxed Products Company, Inc., Brooklyn, N. Y. Dispensing package. 1,657,942; Jan. 31.
- Spalsbury, Charles B., assignor to Johnson, Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoe manufacture. Re17,172; Dec. 25.
- Spalsbury, Charles B., assignor to Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Leather and fabric coating machine. 1,668,786; May 8.
- Spang and Company. (See Spang, George A., assignor.)
- Spang and Company. (See Spang, Ferdinand J., assignor.)
- Spang, Ferdinand J., Butler, Pa. Fishing tool. 1,661,638; Mar. 6.
- Spang, Ferdinand J., Butler, Pa. Thread protector. 1,674,998; June 26.
- Spang, Ferdinand J., assignor to Spang and Company, Butler, Pa. Well plug. 1,686,185; Oct. 2.
- Spang, George A., Butler, Pa. Combined bailer and jar. 1,686,184; Oct. 2.
- Spang, George A., assignor to Spang and Company, Butler, Pa. Making jars. 1,660,850; Feb. 28.
- Spangenberg, Fernando. (See Repay, Theodore, assignor.)
- Spangle, William E., Fair Oaks, Calif. Wooden-pipe tap. 1,664,796; Apr. 3.
- Spangler, Earl G. (See Walker, Thomas H., assignor.)
- Spangler, Henry R. (See Postlewait, Martha, assignor.)
- Spangler, John H., Minneapolis, Minn. Speed-control device for motor vehicles. 1,671,323; May 29.
- Spangler, William L., Tarlton, assignor to The Chamberlain Cartridge and Target Co., Cleveland, Ohio. Target-throwing trap. 1,663,780; Mar. 27.
- Spanier, Fritz, Karlsruhe, Germany. Toothpick. 1,678,609; July 24.
- Spann, James, Mounds, Ill. Cabinet. 1,654,616; Jan. 3.
- Spannuth, Jacob G., assignor of two-thirds to Dodge & Spannuth, Reading, Pa. Automobile rear-seat top. Des. 74,525; Feb. 21.
- Spano, Salvatore, Ensley, Ala. Padlock. 1,689,305; Oct. 30.
- Spanovic, Ninko, Duquesne, Pa. Pipe wrench. 1,676,507; July 10.
- Sparboe, Anthony B. (See Larson, Peter S., assignor.)
- Spargo, William W., Pontiac, Mich. Scoring apparatus. 1,663,781; Mar. 27.
- Sparkes, Harry P., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switch-board lamp. 1,664,228; Mar. 27.
- Sparkes, Charles, Oak Park, assignor to Kellogg Switch-board and Supply Company, Chicago, Ill. Combined drop and jack. 1,659,789; Feb. 21.
- Sparkes, Earl C., Cranston, assignor to Brown & Sharpe Mfg. Co., Providence, R. I. Micrometer caliper. 1,654,843; Jan. 3.
- Sparkes, Elias M., Algona, Iowa. Post. 1,658,863; Feb. 14.
- Sparkes, Manley A., Atlanta, Ga. Dental apparatus. 1,666,316; Apr. 17.
- Sparkes, Stanley W., Summit, N. J., assignor, by mesne assignments, to The Hystet Valve Company of New York, Incorporated, New York, N. Y. Rotating valve cock. 1,669,844; May 15.
- Sparkes, William. (See White, G. A., and Sparks.)
- Sparkes, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Signaling device. 1,667,172; Apr. 24.
- Sparkes, William, Jackson, Mich., assignor to Sparks-Withington Company, Cleveland, Ohio. Signal. 1,668,343; May 1.
- Sparkes, William, assignor to The Sparks-Withington Company, Jackson, Mich. Escutcheon plate. Des. 76,067; Aug. 14.
- Sparkes, William, assignor to The Sparks-Withington Company, Jackson, Mich. Escutcheon plate. Des. 76,068; Aug. 14.
- Sparkes, William, assignor to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,691,363; Nov. 13.
- Sparkes, William, T. J. Scofield, L. E. Johnson, and F. W. Billig, assignors to the Sparks-Withington Company, Jackson, Mich. Signaling device. 1,684,895; Sept. 18.
- Sparkes, William, T. J. Scofield, L. E. Johnson, and F. W. Billig, assignors to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,691,215; Nov. 13.
- Sparks, William K., Detroit, Mich. Tank insulator. 1,674,842; June 26.
- Sparks-Withington Company The. (See Billig, Fred W., assignor.)
- Sparks-Withington Company, The. (See Sparks, William, assignor.)
- Sparks-Withington Company, The. (See Sparks, W., Scofield, Johnson, and Billig, assignors.)
- Sparks-Withington Company, The. (See White, G. A., and Sparks, assignors.)
- Sparrling, Eric C., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Latitude indicator. 1,685,762; Sept. 25.

- Sparr, Levi. (See Foller, John J., assignor.)
 Sparshatt, John H., Portsmouth, England. Cover for vehicles. 1,681,062; Aug. 14.
 Spartan Electric Corporation. (See Burgess, Leslie D., assignor.)
 Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Clutch construction. 1,675,063; June 26.
 Spase, Charles B., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Clutch. 1,680,751; Aug. 14.
 Spaulding, Archibald H., Hingham, assignor to Spaulding-Moss Company, Boston, Mass. Print-developing apparatus. 1,659,841; Feb. 21.
 Spaulding, Arthur W., Oakland, Calif. Machine for seamless cans. 1,686,644; Oct. 9.
 Spaulding, Charles, Hingham, assignor to Spaulding-Moss Company, Boston, Mass. Greeting-card storing and displaying holder. 1,683,622; Dec. 4.
 Spaulding, Eugene A., Portland, Me. Humidifier. 1,694,453; Dec. 11.
 Spaulding Fibre Company. (See Blackwell, Ernest C., assignor.)
 Spaulding Fibre Company. (See Peterson, Clayton A., assignor.)
 Spaulding-Moss Company. (See Spaulding, Archibald H., assignor.)
 Spaulding-Moss Company. (See Spaulding, Charles, assignor.)
 Spaulding, Ralph D., Linesville, Pa. Utensil for forming meat loaves. 1,680,816; Aug. 14.
 Spaulding, Thomas W., Buffalo, assignor of one-half to J. C. Lehne, New York, N. Y. Game device. 1,671,749; May 29.
 Spaulding, William R., and A. M. Beamish, Independence, Kans. Detachable awning for closed-body automobiles. 1,655,667; Jan. 10.
 Speakman Company, The. (See Fraser, James, assignor.)
 Speakman Company. (See Speakman, Willard A., assignor.)
 Speakman, Walter F., and G. E. Crockett, Drumright, Okla. Sectional derrick leg clamp. Re16,996; June 12.
 Speakman, Willard A., assignor to Speakman Company, Wilmington, Del. Waste and overflow connection. 1,671,184; May 29.
 Spear, Elliot N., Auburn, Me. Chair. Des. 76,330; Sept. 11.
 Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y. Kerosene signaling lamp. 1,681,139; Aug. 14.
 Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y. Kerosene signaling lamp. 1,681,140; Aug. 14.
 Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y. Train signal lamp. 1,695,258; Dec. 11.
 Spear, John G. (See Simonds, W. J., and Spear.)
 Spear, Roy, Titusville, Fla. Ear ornament. 1,684,783; Sept. 18.
 Spear, Thomas S. (See Seymour, J. H., and Spear.)
 Spearman, Henry, San Mateo, Calif. Sectional magazine rack. 1,678,275; July 24.
 Spears, Ernest, Bromsgrove, England. Combination petrol and oil or like container. 1,655,342; Jan. 3.
 Specht, Edward H. (See Farum, E. P., and Specht.)
 Specht, Edward H., Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Trunk-rack mounting. 1,655,826; Jan. 10.
 Specht, Elsie D. (See Curnick, H., and Specht.)
 Specht, Hans C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush holder. 1,695,865; Dec. 18.
 Specht, Harry M., Pelham, N. Y. Variable condenser. 1,667,748; May 1.
 Specht, Harry M., Pelham, N. Y. Impregnating fabrics with substantially permanent fragrance and the product. 1,683,849; Sept. 11.
 Specialty Automatic Machine Company. (See LaBombard, L. E., and Sidebotham, assignors.)
 Specialty Engineering Company. (See Pfeiffer, Charles G., assignor.)
 Specialty Manufacturing Company, The. (See Frost, Clinton E., assignor.)
 Specialty Patents Holding Co. (See Bizzarri, Anthony, assignor.)
 Speck & Bonsmann Aktiengesellschaft. (See Culmann, Ernst, assignor.)
 Specketer, Heinrich, Griesheim-on-the-Main, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Producing alumina free from iron. 1,672,788; June 5.
 Speckman, Gilbert H., Aurora, Ind. Wrench. 1,655,168; Jan. 3.
 Speed, James, Springfield, Mass., assignor to Strathmore Paper Company. Machine for finishing paper. 1,660,978; Feb. 28.
 Speed, James B., assignor to Western Electric Company, Incorporated, New York, N. Y. Translating device. 1,687,231; Oct. 9.
 Speedaumat Addressing Machinery, Incorporated. (See Johnson, John E., assignor.)
 Speeder Machinery Corporation. (See Ronk, George T., assignor.)
 Speedometer Lock-Seal Company. (See Summers, Arthur D., assignor.)
 Speedpak Dispenser Corporation. (See Huntley, Burton L., assignor.)
 Speegle, Emanuel A., Los Angeles, Calif. Folding bed and luggage carrier for automobiles. 1,668,221; May 1.
 Speer, Alexander S. (See Kohler, A. F. H., and Speer.)
 Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to Certain-teed Products Corporation. Manufacture of shingles. 1,679,883; Aug. 7.
 Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to United States Gypsum Company. Plaster board. 1,686,671; Oct. 9.
 Speer Calendar Bank Company. (See Speer, Zeno M., assignor.)
 Speer, Harry P., assignor of one-half to J. M. Wheeler, Council Bluffs, Iowa. Railroad coupler attachment. 1,692,281; Nov. 20.
 Speer, Jesse W., assignor to Novo Engine Company, Lansing, Mich. Lamp post. 1,667,828; May 1.
 Speer, Reid C., Pittsburgh, Pa. Apparatus for washing glasses and the like. 1,666,671; Apr. 17.
 Speer, Victor. (See Litchfield, E. C., Hermann, and Speer.)
 Speer, Zeno M., assignor to Speer Calendar Bank Company, Milwaukee, Wis. Savings bank. 1,665,824; Apr. 10.
 Speichert, Max, Berlin-Tempelhof, Germany. Extracting tin mixture from lead and tin alloys. 1,669,580; May 15.
 Speidel, August, Omaha, Nebr. Self-oiling swing hook. 1,687,698; Oct. 16.
 Speidel Chain Co. (See Schraysschuen, Carl, assignor.)
 Speidel Chain Co. (See Schraysschuen, C., and Renz, assignors.)
 Speidel, Charles F. (See Kroedel, R., and Speidel.)
 Speier, Joseph H., Los Angeles, Calif. Office-window projector. 1,693,287; Nov. 27.
 Speir, Seaborn J., Austin, assignor of one-half to F. W. Menking, Fayetteville, Tex. Wire clamp and insulator holder. 1,685,009; Sept. 18.
 Speiser, Gottlieb, Nuremberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Automatic safety switch for induction motors. 1,695,866; Dec. 18.
 Speller, Frank N., Pittsburgh, Pa. Concrete-reinforcing member. 1,685,886; Oct. 2.
 Speller, Frank N., Pittsburgh, Pa. Water-deactivating apparatus. 1,696,106; Dec. 18.
 Spelling, Thomas C., Chicago, Ill. Printing press. 1,689,562; Oct. 30.
 Spelta, Egidio, Turin, Italy. Spray screen. 1,662,545; Mar. 13.
 Spence, Earle T. (See Spence, Morton, assignor.)
 Spence, Fred, Altrincham, assignor to Linotype and Machinery Limited, London, England. Sheet-transferring cylinder of printing machines. 1,675,000; June 26.
 Spence, Joseph C., Jr., Elizabeth City, N. C. Key guard. 1,673,646; June 12.
 Spence, Morton, assignor of one-half to E. T. Spence, Springfield, Ill. Internal-combustion engine. 1,665,192; Apr. 3.
 Spencer, Alvin W., and F. A. Falconer, Weslaco, Tex., said Spencer assignor to said Falconer. Basket top. 1,691,591; Nov. 13.
 Spencer, Arthur C., Washington, D. C., assignor to The Permutit Company, New York, N. Y. Modifying glauconite. 1,657,700; Jan. 31.
 Spencer, Charles H., Los Angeles, Calif. Treating soils to promote plant growth. 1,677,153; July 17.
 Spencer, Corte J., Dundee, N. Y. Staff halter. 1,655,843; Jan. 3.
 Spencer, Corte J., Dundee, N. Y. Poke. 1,693,469; Nov. 27.
 Spencer, Earl B. (See Catterlin, F. J., and Spencer.)
 Spencer, Edmondson, Calcutta, British India. Extraction of cellulose or paper pulp from fibrous vegetable matter containing the same. 1,690,954; Nov. 6.
 Spencer, Emma F., executrix. (See Spencer, G. L., and Metcalfe.)
 Spencer, Gerald G., Los Angeles, Calif., assignor to Purox Company, Denver, Colo. Straight-line-cutting machine. 1,674,843; June 26.
 Spencer, Guilford L., deceased, Tinguaro, Matanzas, and V. E. Metcalfe, Delicias, Oriente, Cuba; E. F. Spencer, executrix of said G. L. Spencer, deceased, assignor to E. F. Spencer. Control system. 1,680,259; Aug. 7.
 Spencer, Henry J., Waco, Tex. Sliding-door latch. 1,696,870; Dec. 25.
 Spencer, Henry K., Watertown, assignor to The Blanchard Machine Company, Cambridge, Mass. Grinding machine. 1,689,176; Oct. 23.
 Spencer, Henry R., Jamestown, N. Y., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Telephone apparatus. 1,682,433; Aug. 28.
 Spencer, Ira H., assignor to The Spencer Turbine Company, West Hartford, Conn. Device for causing flow of fluid. 1,669,581; May 15.
 Spencer, James A., New York, N. Y. Reclaiming printed tapes, etc. 1,674,184; June 19.
 Spencer, John. (See Clifton, J., Robinson, and Spencer.)
 Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Sadiron. Re17,107; Oct. 23.

- Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Figure toy. 1,676,296; July 10.
- Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Thermostat. 1,678,407; July 24.
- Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Train-heating system. 1,681,911; Aug. 21.
- Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Lubricating device. 1,681,912; Aug. 21.
- Spencer, Lenora, Hot Springs National Park, Ark. Sprinkling system. 1,693,556; Nov. 27.
- Spencer Lens Company. (See Sharp, Donald E., assignor.)
- Spencer, Lorillard, New York, N. Y. Welding. 1,668,090; May 1.
- Spencer, Louis M., assignor to General Motors Corporation, Detroit, Mich. Automobile curtain window. 1,670,830; May 22.
- Spencer, Louis M., assignor to General Motors Corporation, Detroit, Mich. Thermostatic water valve. 1,675,620; July 3.
- Spencer, Louis M., assignor to General Motors Corporation, Detroit, Mich. Removing snow and ice from windshields. 1,694,757; Dec. 11.
- Spencer, Louis M., Detroit, and J. Zubaty, assignors to A C Spark Plug Company, Flint, Mich. Heat indicator for internal-combustion engines. 1,694,871; Dec. 11.
- Spencer Perfume Company. (See Bicks, Jean W., assignor.)
- Spencer, Philip L., Millbury, Mass., assignor to J. H. Williams Company, Utica, N. Y. Shuttle. 1,675,303; June 26.
- Spencer, Robert L., assignor to Heine Boiler Company, St. Louis, Mo. Superheater boiler. 1,688,669; Oct. 23.
- Spencer, Robert M., Waycross, Ga. Fire box for boilers. Re17,088; Sept. 25.
- Spencer Thermostat Company. (See Johnson, Norman E., assignor.)
- Spencer Thermostat Company. (See Spencer, John A., assignor.)
- Spencer Turbine Company, The. (See Spencer, Ira H., assignor.)
- Spencer, Walter J., Binghamton, N. Y. Cooler for frosting. 1,673,600; June 12.
- Spencer, Walter S., St. Louis, Mo. Pistol. 1,693,530; Nov. 27.
- Spencer, Wesley D., et al. (See Gonsett, Robert R., assignor.)
- Spencer, William J., Troy, Idaho. Pneumatic tool. 1,693,123; Nov. 27.
- Spencer, William W., Kendallville, Ind. Bookholder. 1,675,621; July 3.
- Spengler, Edwin, Pontoise, France. Machine for slotting the heads of screws and the like. 1,679,063; July 31.
- Spengler, Harold C., Rockford, Ill. Punch. 1,674,844; June 26.
- Spengler, Henry, New York, N. Y. Bottle cap. 1,685,887; Oct. 2.
- Spengler, Oskar, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt, Germany. Solder for aluminum. 1,691,532; Nov. 13.
- Spengler, Oskar, Dessau in Anhalt, and W. Müller, Leipzig, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Manufacture of aromatic amino sulphocyanide derivatives. 1,687,596; Oct. 16.
- Spengler, Oskar, and A. Thurm, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of condensation products containing sulphur. 1,682,434; Aug. 28.
- Sperlich, Herman A., and J. H. Uhlig, Detroit, Mich. Mangle. 1,670,387; May 22.
- Sperr, Frederick W., jr., Pittsburgh, Pa., assignor to The Koppers Company. Gas-purification process. 1,677,304; July 17.
- Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Gas-purification process and apparatus. 1,690,437; Nov. 6.
- Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Recirculating process and apparatus for gas purification. 1,690,438; Nov. 6.
- Sperr, Frederick W., jr., assignor to The Koppers Company, Pittsburgh, Pa. Pitch-coking process and product. 1,694,800; Dec. 11.
- Sperr, Frederick W., jr., and D. L. Jacobson, assignors to The Koppers Company, Pittsburgh, Pa. Process and apparatus for liquid purification of fuel gases. 1,656,881; Jan. 17.
- Sperry, Arthur B. (See Jacobsen, E., and Sperry.)
- Sperry Development Company. (See Drake, H. C., and Sperry, assignors.)
- Sperry Development Company, The. (See Sperry, Elmer A., assignor.)
- Sperry, Edwin A., Tientsin, China. Apparatus for the recovery of fine values from sand. 1,695,614; Dec. 18.
- Sperry, Elmer A. (See Drake, H. C., and Sperry.)
- Sperry, Elmer A., Brooklyn, N. Y. Searchlight for the guidance or deflection of aircraft. 1,669,882; May 15.
- Sperry, Elmer A., Brooklyn, N. Y. Logarithmic calculator. 1,671,616; May 29.
- Sperry, Elmer A., Brooklyn, N. Y. Preventing racing of ships' engines. 1,678,714; July 31.
- Sperry, Elmer A., Brooklyn, N. Y. Supporting means for golf bags. 1,686,774; Oct. 9.
- Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Synchronizing mechanism. 1,666,962; Jan. 24.
- Sperry, Elmer A., assignor to The Sperry Development Company, Brooklyn, N. Y. Two-cycle supercharging combustion engine. 1,677,305; July 17.
- Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic line of sight stabilizer. 1,688,559; Oct. 23.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Internal-combustion-engine cylinder. 1,682,357; Aug. 28.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Combustion-engine drive for ships. 1,682,358; Aug. 28.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Cooling means for internal-combustion engines. 1,684,809; Sept. 18.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Oil-burning engine. 1,693,966; Dec. 4.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Piston for internal-combustion engines. 1,688,403; Oct. 23.
- Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover, Del. Wakeless torpedo. 1,688,761; Oct. 23.
- Sperry, Elmer A., jr., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic compass. 1,694,192; Dec. 4.
- Sperry, Elmer A., jr., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Automatic steering for dirigible craft. 1,695,615; Dec. 18.
- Sperry Gyroscope Company, The. (See Bassett, Preston R., assignor.)
- Sperry Gyroscope Company, The. (See Bates, Mortimer F., assignor.)
- Sperry Gyroscope Company. (See Corliss, Louis F., assignor.)
- Sperry Gyroscope Company, The. (See Crouse, George B., assignor.)
- Sperry Gyroscope Company, The. (See Hall, Theodore, assignor.)
- Sperry Gyroscope Company, The. (See Hight, William R., assignor.)
- Sperry Gyroscope Company, The. (See House, Frank R., assignor.)
- Sperry Gyroscope Company, The. (See Kortepeter, R. E., and Amundsen, assignors.)
- Sperry Gyroscope Company, The. (See Mills, Chester B., assignor.)
- Sperry Gyroscope Company, The. (See Morgan, T. A., and Thompson, assignors.)
- Sperry Gyroscope Company, The. (See Patterson, Martin L., assignor.)
- Sperry Gyroscope Company, The. (See Phillips, Thomas H., jr., assignor.)
- Sperry Gyroscope Company, The. (See Schein, Alexander E., assignor.)
- Sperry Gyroscope Company, The. (See Sparling, Eric C., assignor.)
- Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
- Sperry Gyroscope Company, The. (See Sperry, Elmer A., jr., assignor.)
- Sperry Gyroscope Company, The. (See Sperry, Lawrence B., assignor.)
- Sperry Gyroscope Company, The. (See Stark, Kimball H., assignor.)
- Sperry Gyroscope Company, The. (See Tanner, Harry L., assignor.)
- Sperry, Herbert B., Batavia, assignor to International Harvester Company, Chicago, Ill. Harvester. 1,659,007; Feb. 14.
- Sperry, John B., assignor to The American Well Works, Aurora, Ill. Deep-well pumping mechanism. 1,654,558; Jan. 3.
- Sperry, John B., assignor to The American Well Works, Aurora, Ill. Pumping apparatus. 1,658,261; Feb. 7.
- Sperry, John B., assignor to The American Well Works, Aurora, Ill. Centrifugal pump. 1,662,443; Mar. 13.
- Sperry, John B., assignor to The American Well Works, Aurora, Ill. Power head. 1,674,141; June 19.
- Sperry, Lawrence B., Massapequa, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Mechanically-piloted dirigible device. 1,670,641; May 22.
- Sperry, Richard A., S. J. Dickey, and J. A. Zublin, Los Angeles, Calif., assignors to General Petroleum Corporation of California. Automatic drilling. 1,658,262; Feb. 7.
- Sperry, Samuel E., Woodhaven, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 1,660,238; Feb. 21.
- Sperry, Samuel E., Woodhaven, assignor to Intertype Corporation, New York, N. Y. Safety device for line-casting machines. 1,674,415; June 19.
- Sperryn, George N., Birmingham, England. Screw-down tap or cock. 1,685,465; Sept. 25.
- Sperli, George, Covington, Ky., R. J. Norris, Greenville, R. B. Withrow and H. Schneider, Cincinnati, assignors to D. Laurence, trustee, Cincinnati, Ohio. Light-treatment process. 1,676,579; July 10.

- Sperry, Philmore F., Chicago, Ill., assignor to W. Freeman, Des Moines, Iowa. Extension trunk. 1,691,788; Nov. 13.
- Speziale, Vincenzo, Millville, N. J. Swimming device. 1,671,324; May 29.
- Spicer Manufacturing Corporation. (See Thieme, William H., assignor.)
- Spicers, Limited. (See Hands, Henry J., assignor.)
- Spidel, Arthur S., Brewster, assignor of one-half to E. A. Hamilton; Navarre, Ohio. Cord guide. 1,665,510; Apr. 10.
- Spiegel, Edward E., New York, N. Y. Cloth-measuring machine. 1,659,380; Feb. 14.
- Spiegel, Edward R., assignor of one-half to J. M. Miller, Dallas, Tex. Report board. 1,665,568; Apr. 10.
- Spiegel, May, Stern Co. (See Gollnick, Paul A., as signor.)
- Spiegel, May, Stern Co. (See Gollnick, P. A., and Toolan, assignors.)
- Spiegel, May, Stern Company. (See Gollnick, P. A., Toolan, and Harred, assignors.)
- Spiegelberg, George A., executor. (See Goldsmith, Byron B.)
- Spiegler, Frederick J., Chicago, Ill. Container. 1,670,790; May 22.
- Spieler, Joseph. (See Straub, F., de Montmollin, Spieler, and von Planta.)
- Spieler, Joseph. (See Straub, F., Schneider, and Spieler.)
- Spielman, Adolph, Philadelphia, Pa. Cutting machine. 1,666,271; Apr. 17.
- Spiering, Charles W., assignor of one-fourth to T. C. Black, Cathlamet, Wash. Logging hook. 1,666,272; Apr. 17.
- Spies, Georg. (See Vicum, Karl, assignor.)
- Spies, Georg, Leipzig-Plagwitz, Germany. Pneumatic sheet feeder. 1,668,292; May 1.
- Spies, George, Leipzig-Plagwitz, Germany. Apparatus for removing sheets from a pile. 1,696,215; Dec. 25.
- Spieth, William C., Geneva, Ohio. Arc lamp. 1,677,602; July 17.
- Spiliotakaras, Assimakis, and F. L. Taylor, Mobridge, S. Dak. Dispensing container. 1,676,224; July 3.
- Spiller, Herbert W., assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Carbureting device. 1,676,932; July 10.
- Spilling, Arthur, Cassel, Germany. Society game. 1,692,519; Nov. 20.
- Spillman, Albert, North Tonawanda, N. Y. Heater for automobiles. Des. 75,701; July 3.
- Spillman, Albert, North Tonawanda, N. Y. Amusement device. 1,672,958; June 12.
- Spillman, Albert, North Tonawanda, N. Y. Driving mechanism for amusement devices. 1,672,959; June 12.
- Spillmann, Max, Richfield, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Hydraulic driven drainage pump system. 1,669,309; May 8.
- Spillmann, Max, Richfield, and O. H. Dorer, East Orange, N. J., assignors to Worthington Pump and Machinery Corporation, New York, N. Y. High-pressure centrifugal pump. 1,675,830; July 3.
- Spilman, Oliver P., Houston, Tex. Tension and physiotherapy table. 1,684,459; Sept. 18.
- Spina, Salvatore, and A. Cook, New York, N. Y. Vending machine. 1,691,592; Nov. 13.
- Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus for drawing glass articles. 1,670,909; May 22.
- Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus for and method of drawing glass. 1,670,910; May 22.
- Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus for drawing glass. 1,674,529; June 19.
- Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus for and method of drawing glass. 1,674,530; June 19.
- Spinasse, Arthur E., Mount Vernon, Ohio. Method of and apparatus for drawing glass. 1,692,585; Nov. 20.
- Spindler, Herman C., assignor to W. C. McCoy, Akron, Ohio. Automatic pencil. 1,671,212; May 29.
- Spinelle, Michael B., assignor of one-half to J. F. Carson, Chicago, Ill. Ball-joint faucet. 1,693,676; Dec. 4.
- Spinelli, Benjamin, Philadelphia, Pa. Price indicator. 1,676,060; July 3.
- Spink, William, Manayunk, Pa. Yarn-twisting device. 1,687,261; Oct. 9.
- Spinney, Cleveland N., Harrisburg, Pa., and F. L. Mackenzie, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling machine. 1,682,808; Sept. 4.
- Spiral Piston Ring Company. (See Graves, Harry S., assignor.)
- Spire, William H., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Drag link. 1,689,215; Oct. 30.
- Spirella Company, The. (See Bowler, William E., assignor.)
- Spies, John E. (See Hickey, William J., assignor.)
- Spiro, Walter J., White Plains, N. Y. Fastening for running-board molding. 1,679,796; Aug. 7.
- Spittal, David, Chambly Basin, Quebec, Canada. Golf club. 1,680,817; Aug. 14.
- Spittal, David, Chambly Basin, Quebec, Canada. Golf club. 1,683,810; Sept. 11.
- Spitz, Samuel, New York, N. Y. Toilet article. 1,661,200; Mar. 6.
- Spitzer, Alexander, Brooklyn, N. Y. Sample tab. 1,682,583; Aug. 28.
- Spitzer, Alexander, Brooklyn N. Y. Toy game device. 1,684,602; Sept. 18.
- Spitzer, Maurice, New York, N. Y. Packing box. 1,681,199; Aug. 21.
- Spitzglass, Jacob M., assignor to Republic Flow Meters Company, Chicago, Ill. Orifice plates. 1,654,559; Jan. 3.
- Spitzglass, Jacob M., assignor to Republic Flow Meters Company, Chicago, Ill. Demand meter for gas. 1,657,324; Jan. 24.
- Spitzglass, Jacob M., assignor to Republic Flow Meters Company, Chicago, Ill. Multiple orifice for flow meters. 1,671,617; May 29.
- Spitzglass, Jacob M., assignor to Republic Flow Meters Company, Chicago, Ill. Furnace efficiency meter. 1,686,186; Oct. 2.
- Spitzglass, Jacob M., assignor to Republic Flow Meters Co., Chicago, Ill. Coal meter. 1,686,351; Oct. 2.
- Splitdorf Electric Company of Wisconsin. (See Daun, C., and Keller, assignors.)
- Splitdorf Electrical Company. (See Joyce, Harold L., assignor.)
- Splitdorf Electrical Company. (See Lang, George L., assignor.)
- Splitdorf Electrical Company. (See Leytham, Arthur, assignor.)
- Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
- Splitdorf Radio Corporation. (See Dunbar, Noel S., assignor.)
- Spoerri, Eugene D., Omaha, Nebr. Cable-cutting device. 1,667,749; May 1.
- Spokane Concrete Flower Pot Machine Company et al. (See Bewley, Claude G., assignor.)
- Sponsel, Charles W., Wethersfield, assignor to Case & Marshall, Incorporated, Hartford, Conn. Cutting mechanism for pulp and like machines. 1,665,644; Apr. 10.
- Spooner, Francis A. (See St. Louis, George C., assignor.)
- Spooner, Henry W., Brooklyn, N. Y. Dam. 1,675,001; June 26.
- Spooner, Thomas, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic analysis of drills. 1,682,435; Aug. 28.
- Spooner, Thomas, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mag. 1,685,965; Oct. 2.
- Spoor, John R., Kalamazoo, Mich. Stock-regulating mechanism for paper-making machines. 1,689,755; Oct. 30.
- Sporn, Harold, Brooklyn, N. Y. Bathing bag. Des. 74,526; Feb. 21.
- Spottswood, Edwin E., Cincinnati, Ohio. Teller's window. 1,673,601; June 12.
- Spotz, Chester A., Greenwich, Conn. Hydraulic brake. 1,663,147; Mar. 20.
- Spousta, John, River Rouge, Mich. Furnace. 1,656,299; Jan. 17.
- Spousta, John, assignor to Whitehead & Kales Company, River Rouge, Mich. Permanent mold. 1,663,642; Mar. 27.
- Spowers, William H., Essex Fells, N. J. Textile fabric. Des. 76,645; Oct. 16.
- Spradley, James W. (See Paine, J. B., and Spradley.)
- Sprado, Carl G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Engine cylinder. 1,682,436; Aug. 28.
- Sprado, Carl G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circulating system. 1,682,437; Aug. 28.
- Sprague, Clarence A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Oscillation generator. 1,654,903; Jan. 3.
- Sprague, Clarence A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,688,997; Oct. 23.
- Sprague, Frank J., assignor to Sprague Safety Control & Signal Corporation, New York, N. Y. Automatic train-control system. 1,669,265; May 8.
- Sprague, Locke A., Milwaukee, Wis., assignor to A. Sprague, Detroit, Mich. Rotary pump. 1,657,096; Jan. 24.
- Sprague, Robert C., Quincy, Mass. Tone-control means. 1,675,831; July 3.
- Sprague Safety Control & Signal Corporation. (See Sprague, Frank J., assignor.)
- Sprague Sells Corporation. (See Dunkley, Samuel J., assignor.)
- Sprague-Sells Corporation. (See Schmidt, John, assignor.)
- Sprague-Sells Corporation. (See Sells, Ogden S., assignor.)
- Sprague, Thomas A. (See Sprague, Locke A., assignor.)
- Sprague, William A., Islington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Car-nauba wax and the preparation thereof. 1,658,062; Feb. 7.
- Sprain, Joseph E., assignor to Vickers Machine Works, Smackover, Ark. Safety hook. 1,676,167; July 3.
- Sprake, Charles E. (See Quinn, E. J., Sprake, and Gritman.)
- Spraker, David L., assignor to Spraker Manufacturing Company, Indianapolis, Ind. Grinding tool. 1,685,100; Sept. 25.

- Spraker Manufacturing Company. (See Spraker, David L., assignor.)
- Spra-O-Sal Products, Inc. (See Pulkingshorn, William R., assignor.)
- Spraul, Edwin, Chicago, Ill. Key-ring holder. 1,679,588; Aug. 7.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach-indication apparatus. 1,661,639; Mar. 6.
- Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 1,667,059; Apr. 24.
- Spreen, Charles C., Detroit, Mich. Patch for lumber. 1,669,541; May 15.
- Spreen, Charles C., assignor to Electric Refrigeration Corporation, Detroit, Mich. Mechanical refrigeration. 1,672,831; June 5.
- Spreen, Charles C., assignor to Electric Refrigeration Corporation, Detroit, Mich. Refrigeration. 1,672,832; June 5.
- Spreen, Charles C., assignor to Electric Refrigeration Corporation, Detroit, Mich. Mechanical refrigeration. 1,672,833; June 5.
- Spreen, Charles C., assignor to Electric Refrigeration Corporation, Detroit, Mich. Refrigeration. 1,672,834; June 5.
- Spreen, Charles C., Detroit, Mich. Mechanical refrigeration. 1,688,885; Oct. 23.
- Spreen, Charles C., Detroit, Mich. Mechanical refrigeration. 1,688,886; Oct. 23.
- Spreen, Charles C., Detroit, Mich. Mechanical refrigeration. 1,688,892; Oct. 23.
- Spreen, Charles C., Detroit, Mich. Mechanical refrigeration. 1,688,893; Oct. 23.
- Spreen, Charles C., Detroit, Mich. Mechanical refrigeration. 1,688,894; Oct. 23.
- Spreen, Charles C., Detroit, Mich. Refrigeration. 1,690,314; Nov. 6.
- Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Compressor. 1,688,884; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,688,887; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,688,888; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Piston for refrigeration pumps. 1,688,889; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Pump for mechanical refrigeration. 1,688,890; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Electric motor. 1,688,891; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,688,895; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerant-control mechanism. 1,688,896; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Supporting means for vaporizers. 1,688,897; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,688,898; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigeration. 1,688,899; Oct. 23.
- Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,688,900; Oct. 23.
- Sprenger, Dr. Otto, Patentverwertung Jirotko mit beschränkter Haftung. (See Jirotko, Bohumil, assignor.)
- Spring Floor Trap & Manufacturing Company, The. (See Hedberg, John A., assignor.)
- Spring, George B., Newton, Mass. Reenforcement for poles. 1,672,789; June 5.
- Spring, George B., Newton, Mass. Reenforcement for poles. 1,679,747; Aug. 7.
- Spring, Joseph, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Phonograph-needle cup. 1,659,057; Feb. 14.
- Spring Stopper Company of New York. (See Glaspey, Warren E., assignor.)
- Springarn, Henry, Paris, France. Clock case. Des. 75,079; May 1.
- Springer, Daniel C., Donora, Pa. Air and foul-gas ejector for gas systems. 1,687,597; Oct. 16.
- Springer, Edgar D., assignor to Indiana Lamp Corporation, Connersville, Ind. Lens retainer. 1,685,575; Sept. 25.
- Springfield Metallic Casket Company, The. (See Hiser, Charles H., assignor.)
- Springsteen, Jacob G., Mendon, Ill. Automobile body. 1,657,977; Jan. 31.
- Springthorpe, Isaac, assignor, by mesne assignments, to Continental Mills, Inc., Philadelphia, Pa. Knitting machine. 1,661,055; Feb. 28.
- Sprinkle, David A., Orangeburg, S. C. Planer-cylinder cutter-bit adjusting and setting gauge. 1,668,431; May 1.
- Sprinkle, Lake H., Brooklyn, N. Y. Artificial teeth. 1,677,662; July 17.
- Sprinkle, Lake H., Brooklyn, N. Y. Artificial tooth. 1,685,523; Sept. 18.
- Spronston, Edmund, Winnipeg, Manitoba, Canada. Floor-treating machine. 1,661,510; Mar. 6.
- Sproull, Clarence W., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,678,276; July 24.
- Sproull, Clarence W., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Fluid-pressure braking apparatus. 1,694,193; Dec. 4.
- Sprout, Waldron & Co. (See Pfeegor, Cordeen C., assignor.)
- Sprout, Waldron and Company. (See Snyder, Simon, assignor.)
- Sprout, Waldron and Company. (See Taggart, Daniel B., assignor.)
- Sprung, Edwin G., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,684,156; Sept. 11.
- Spry, Elizabeth J., et al. (See Jager, Earl F., assignor.)
- Spullies, William, Maywood, N. J. Friction-guide lubricator. 1,695,985; Dec. 18.
- Spun Steel Corporation, The. (See Nelson, Reynold G., assignor.)
- Spurgeon, Jesse J., Lyman, Okla. Pie-plate lifter. 1,669,355; May 8.
- Spurges, Charles, De Kalb, Ill. Swimming device. 1,677,254; July 17.
- Spurlin, Ira V., Hamilton, Ohio. Dustpan for floor-surfacing machines. 1,681,506; Aug. 21.
- Spurlock, Miley, Wagoner, Okla. Land vehicle. 1,655,668; Jan. 10.
- Square D Company. (See Ball, Albert P., assignor.)
- Square D Company. (See Horton, Bryson D., assignor.)
- Squiers, Graham. (See Mullins, G. W., and Squiers.)
- Squires, John, Detroit, Mich. Dirt and air separation. 1,664,092; Mar. 27.
- Squires, Merwyn H., South Manchester, Conn. Snubber. 1,655,776; Jan. 10.
- Srulowitz, Hermann, Vienna, Austria. Shutting-off device for steam pipes and the like. 1,678,204; July 24.
- Srulowitz, Herman, Vienna, Austria. Device for draining the main pipe of heating installations of railroad cars. 1,694,239; Dec. 4.
- Staats, Henry P., and H. S. Newcomer, New York, N. Y. Cigarette and cigar lighter. 1,686,579; Oct. 9.
- Staats-Oels, Rudolf C. G., Brooklyn, N. Y. Rotary engine. 1,659,172; Feb. 14.
- Staats, Oshel C., Ripley, W. Va. Radio tuning device. 1,677,254; July 17.
- Stacey, Charles E., London, England, assignor to Du Pont Viscoloid Company, Wilmington, Del. Comb slide, binder, or the like for ladies' hair. 1,695,986; Dec. 18.
- Stack, Elmer S., Somerville, Mass. Storage water heater. 1,681,377; Aug. 21.
- Stack, Ervin B., Monroe, N. C. Insulation cutter. 1,661,056; Feb. 28.
- Stack, Ervin B., Monroe, N. C. Rotary brush. 1,673,094; June 12.
- Stack, James M., et al. (See Ganny, L. C., and Goldberg, assignors.)
- Stack, Maurice J., Cohoes, N. Y., assignor to Brintall Manufacturing Company, Inc. of Delaware, Wilmington, Del. Feeding and roll-winding apparatus. 1,672,960; June 12.
- Stack, Maurice J., Cohoes, N. Y., assignor to Brintall Manufacturing Company, Inc. of Delaware, Wilmington, Del. Apparatus for filling piping tools. 1,672,961; June 12.
- Stack, Maurice J., Cohoes, N. Y., assignor to Brintall Manufacturing Company Inc. of Delaware, Wilmington, Del. Preparing cotton batting for shipment and use. 1,694,954; Dec. 11.
- Stacold Corporation, The. (See Meston, Charles R. and A. W., assignors.)
- Stadden, William H., Springfield, Mass. Valve. 1,677,993; July 24.
- Stade, Charles E., New York, N. Y. Muffler. 1,677,570; July 17.
- Stadelhofer, Leslie, Newark, N. J. Air valve for radiators. 1,658,104; Feb. 7.
- Stadelhofer, Leslie, Newark, N. J. Air vent for radiators. 1,674,268; June 19.
- Staedell, Felix, New York, N. Y., assignor to Francis Keil & Son, Inc. Push-button-switch construction. 1,696,151; Dec. 18.
- Staeger, Stephen A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Drier-control system. 1,664,229; Mar. 27.
- Staeger, Stephen A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,665,939; Apr. 10.
- Staeger, Stephen A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-control system. 1,669,582; May 15.
- Staeger, Stephen A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dryness controller. 1,671,493; May 29.
- Staeger, Stephen A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,680,396; Aug. 14.
- Staeger, Stephen A., Pittsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,684,077; Sept. 11.

- Staeger, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,687,640; Oct. 16.
- Staeble, Gustav, Stuttgart, Germany, assignor to "Cyklop" Akt. Ges., Schaffhausen, Switzerland. Electrically-actuated surfacing machine. 1,677,533; July 17.
- Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,687,402; Oct. 9.
- Stafford Company, The. (See Barrett, Edwin W., assignor.)
- Stafford Company, The. (See Herring, Eugene, assignor.)
- Stafford, Delbert M. (See Fisher, Albert H., assignor.)
- Stafford, Earl C., Philadelphia, Pa., assignor to The United States Train Signal Company, Portland, Me. Signal box for train-signal systems. 1,658,105; Feb. 7.
- Stafford, Earl C., Philadelphia, Pa., assignor to The United States Train Signal Company, Portland, Me. Train-signal system. 1,662,988; Mar. 20.
- Stafford, James G. (See Phillips, E. B., and Stafford.)
- Stafford, Martin A., deceased; C. S. McFarlin, Harvard, Ill., administratrix. Gaining tool. 1,687,403; Oct. 9.
- Stafford, Rogers T. (See Ballou, F. A., and Stafford.)
- Stafford, Terrence W., San Francisco, Calif. Washboiler. 1,665,755; Apr. 10.
- Stafford, Walter, and R. C. Holt, Little Falls, N. Y. Knitting machine. 1,670,388; May 22.
- Staggs, Horace M., Dallas, Tex. Air-lift pump. 1,683,930; Sept. 11.
- Stahl, Carlton B., White Hall, Ill. Bail. 1,692,958; Nov. 27.
- Stahl, Edward J., assignor to The Baker-Raulang Company, Cleveland, Ohio. Seat construction and seat attachment. 1,676,672; July 10.
- Stahl, Elmer R., Dowagiac, Mich. Bolt-action gun. 1,669,496; May 15.
- Stahl, Hans, Eisleben, Germany. Facet tooth. 1,679,384; Aug. 7.
- Stahl, Johann. (See Salinger, H., and Stahl.)
- Stahl, Ottilie C., New York, N. Y. Sanitary belt and buckle. 1,665,075; Apr. 3.
- Stahler, Lester L., Union City, Ind. Fuse tongs. 1,667,332; Apr. 24.
- Stahmann, William J., El Paso, Tex. Machine for sterilizing cottonseed. 1,667,608; Apr. 24.
- Stairs, Walter S., assignor to Marshall Field Milk Corporation, Philadelphia, Pa. Woven pile fabric. 1,655,200; Jan. 3.
- Staley, A. E., Manufacturing Company. (See Gill, Lowell O., assignor.)
- Staley, Allen C., Lafayette, Ind. Steam automotive-vehicle boiler. 1,664,328; Mar. 27.
- Staley, Allen C., Lafayette, Ind. Automotive steam-power plant. 1,664,329; Mar. 27.
- Staley, Earl B., Seattle, Wash. Trailer hitch. 1,690,558; Nov. 6.
- Staley, Harrison L., Hartford, Conn. Atomizer oil burner. 1,655,441; Jan. 10.
- Stalker, Edward A., Ann Arbor, Mich. Airplane motor. 1,656,245; Jan. 17.
- Stalker, Edward A., Ann Arbor, Mich. Airplane wing. 1,691,942; Nov. 20.
- Stalker, Frederick W., assignor to Taylor Instrument Companies, Rochester, N. Y. Gauging instrument. 1,676,673; July 10.
- Stallbaum, Charles F., Everett, Wash. Lamp shade. Des. 77,041; Nov. 27.
- Stallbaum, Charles F., Everett, Wash. Lamp base. Des. 77,042; Nov. 27.
- Stallbaum, Charles F., Everett, Wash. Lamp base. Des. 77,043; Nov. 27.
- Stallings, Roscoe A., Macon, Ga. Automatically-operable signaling mechanism. 1,669,310; May 8.
- Stallmann, Otto. (See Gubelmann, I., Weiland, and Stallmann.)
- Stallworth, Elbert, Americus, Ga. Electric heater. 1,687,521; Oct. 16.
- Stambaugh, Francis M. (See Mullen, J. J., and Stambaugh.)
- Stambaugh, Henry J. (See Skinner, A. H., and Stambaugh.)
- Stamford Wall Paper Company. (See Leitch, Frank E., assignor.)
- Stamm, Karl, Berlin-Dahlem, assignor to Mannesmann-Licht-A.-G., Berlin, Germany. Electric dry battery. 1,658,142; Feb. 7.
- Stamp, Thomas H., Buffalo, N. Y. Heater for domestic boilers. 1,695,352; Dec. 18.
- Stampley, Henry E., Sibley, La. Cooking utensil. 1,672,738; June 5.
- Stancliff, Clifton L., Bakersfield, Calif. Electric welding tongs. 1,677,306; July 17.
- Stancliff, Ray L., Wesleyville, Pa., assignor to General Electric Company. Contact-conductor shunt. 1,680,701; Aug. 14.
- Stancliffe, Cecil W., London, Middlesex, England, assignor to Stancliffe Engineering Corporation, New York, N. Y. Sectional heat interchanger. 1,670,127; May 15.
- Stancliffe, Cecil W., assignor to Valveless Oil Burner Corporation, New York, N. Y. Fuel control for liquid fuel burners. 1,676,933; July 10.
- Stancliffe, Cecil W., Stamford, Conn., assignor to Valveless Oil Burner Corporation, New York, N. Y. Air-governed destination control for liquids. 1,683,737; Sept. 11.
- Stancliffe Engineering Corporation. (See Stancliffe, Cecil W., assignor.)
- Stancliffe Well Screen & Manufacturing Company. (See Thomson, Harry, assignor.)
- Stanczyk, Stanley, Lynn, Mass. Torch. 1,684,524; Sept. 18.
- Standard Abrasive Co. (See Drapeau, Benjamin L., assignor.)
- Standard Automotive and Machine Works. (See Ewing, Howard M.)
- Standard Coin Wrappers, Inc. (See Francis, Joseph N., assignor.)
- Standard Compositor Aktiengesellschaft. (See Buswell, Walter, assignor.)
- Standard-Coosa-Thatcher Company, The. (See Gravel, David, assignor.)
- Standard Corset Company, The. (See Von Halle, Millard, assignor.)
- Standard Coupler Company. (See Goodwin, Ernest G., assignor.)
- Standard Development Company. (See Gomory, William L., assignor.)
- Standard Development Company. (See Howard, F. A., and Parker, assignors.)
- Standard Development Company. (See Hudson, Claude S., assignor.)
- Standard Development Company. (See Kraus, C. A., and Callis, assignors.)
- Standard Electric Manufacturing Co., The. (See Parker, Thomas L., assignor.)
- Standard Electric Stove Co., The. (See Kelly, Sherman L., assignor.)
- Standard Faucet Works, Inc. (See Cooke, George W., assignor.)
- Standard Fibre Company. (See White, William W., assignor.)
- Standard Flexible Electric Cable Corporation. (See Barnett, Louis, assignor.)
- Standard Forgings Company. (See Jernberg, Carl R., assignor.)
- Standard Fowl Plucker, Inc. (See Goldstein, A. L., and Jaffe, assignors.)
- Standard Furniture Company. (See Thompson, Charles S., assignor.)
- Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
- Standard Heater Company. (See Gillett, Merriman C., assignor.)
- Standard-Johnson Company. (See Donnellan, Edward P., assignor.)
- Standard-Licht-Gesellschaft m. b. H. (See Fezer, Wilhelm, assignor.)
- Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)
- Standard Manufacturing Company. (See Voorhees, Walter K., assignor.)
- Standard Mattress and Furniture Manufacturing Company. (See Ibrig, Louis G., assignor.)
- Standard Mirror Company Inc. (See La Hodny, William, assignor.)
- Standard Mirror Company. (See La Hodny, W., and Kibitz, assignor.)
- Standard Neckwear Company. (See Weinstein, Otto, assignor.)
- Standard Oil Company. (See Atwell, Harold V., assignor.)
- Standard Oil Company. (See Bransky, Oscar E., assignor.)
- Standard Oil Company. (See Brewster, Oswald C., assignor.)
- Standard Oil Company. (See Engbrecht, Herman J., assignor.)
- Standard Oil Company. (See Glair, H. F., and Bransky, assignors.)
- Standard Oil Company. (See Graves, George D., assignor.)
- Standard Oil Company. (See Hunneman, Roger D., assignor.)
- Standard Oil Company. (See Kinney, Ansel M., assignor.)
- Standard Oil Company. (See Moore, John E., assignor.)
- Standard Oil Company. (See Rogers, F. M., and McNeil, assignors.)
- Standard Oil Company. (See Walker, Harry L., assignor.)
- Standard Oil Company. (See Watts, George W., assignor.)
- Standard Oil Company. (See Wendt, Gerald L., assignor.)
- Standard Oil Company. (See Wilson, Robert E., assignor.)
- Standard Oil Company. (See Zweig, Charles, assignor.)
- Standard Oil Company of California. (See Balmat, Cecil H., assignor.)
- Standard Oil Company of California. (See Bessonet, Leland S., assignor.)
- Standard Oil Company of California. (See Bly, Edwin P., assignor.)

- Standard Oil Company of California. (See Chappell, M. L., Ziser, and Moyer, assignors.)
- Standard Oil Company of California. (See Collier, Henry D., assignor.)
- Standard Oil Company of California. (See Cullen, F. J., Binder, and Harshman, assignors.)
- Standard Oil Company of California. (See Gates, Leroy G., assignor.)
- Standard Oil Company of California. (See Gray, Edwin D., assignor.)
- Standard Oil Company of California. (See Halloran, Ralph A., assignor.)
- Standard Oil Company of California. (See Hanna, Richard W., assignor.)
- Standard Oil Company of California. (See Kuhl, John, assignor.)
- Standard Oil Company of California. (See Moser, Stuart, assignor.)
- Standard Oil Company of California. (See Osborn, Robert T., assignor.)
- Standard Oil Company of California. (See Quinn, John L., assignor.)
- Standard Oil Company of New York. (See Filter, Frank R., assignor.)
- Standard Oil Development Company. (See Adams, Gale L., assignor.)
- Standard Oil Development Company. (See Becker, Arman E., assignor.)
- Standard Oil Development Company. (See Brenner, R. S., and Scott, assignors.)
- Standard Oil Development Company. (See Buc, Hyym E., assignor.)
- Standard Oil Development Company. (See Burgess, Louis, assignor.)
- Standard Oil Development Company. (See Carringer, James R., assignor.)
- Standard Oil Development Company. (See Coleman, S. P., and Hughes, assignors.)
- Standard Oil Development Company. (See Fox, George E., assignor.)
- Standard Oil Development Company. (See Garner, J. B., and Leyden, assignors.)
- Standard Oil Development Company. (See Goodwin, Ralph T., assignor.)
- Standard Oil Development Company. (See Hewetson, Henry H., assignor.)
- Standard Oil Development Company. (See Hopkins, M. B., and Buc, assignors.)
- Standard Oil Development Company. (See Howard, Frank A., assignor.)
- Standard Oil Development Company. (See Howard, F. A., and Loomis, assignors.)
- Standard Oil Development Company. (See Hughes, W. S., and Harrop, assignors.)
- Standard Oil Development Company. (See Johnson, Cleon R., assignor.)
- Standard Oil Development Company. (See Kraus, C. A., and Callis, assignors.)
- Standard Oil Development Company. (See Lewis, Warren K., assignor.)
- Standard Oil Development Company. (See Lewis, W. K., and Wells, assignors.)
- Standard Oil Development Company. (See Loomis, Nathaniel E., assignor.)
- Standard Oil Development Company. (See McDaniel, Thomas E., assignor.)
- Standard Oil Development Company. (See McKean, John I., assignor.)
- Standard Oil Development Company. (See Meacham, Merle R., assignor.)
- Standard Oil Development Company. (See Pester, Carl F., assignor.)
- Standard Oil Development Company. (See Powell, Raymond E., assignor.)
- Standard Oil Development Company. (See Ranney, Leo, assignor.)
- Standard Oil Development Company. (See Robbins, Leroy V., assignor.)
- Standard Oil Development Company. (See Rudigier, Edward A., assignor.)
- Standard Oil Development Company. (See Runge, Otto C., assignor.)
- Standard Oil Development Company. (See Zaikowsky, Wladimir M., assignor.)
- Standard Optical Company, The. (See Long, Eli M., assignor.)
- Standard Plastering System, Inc. (See Walper, Curry O., assignor.)
- Standard Pressed Steel Co. (See Gade, Harald F., assignor.)
- Standard Pump & Supply Company. (See McMillan, James O., assignor.)
- Standard Radio Corporation. (See Clarke, Ralph A., assignor.)
- Standard Railway Fusee Corporation. (See Dutcher, Frank, assignor.)
- Standard Register Company, The. (See Whitmore, Max C., assignor.)
- Standard Road Maintenance Company. (See Wheeler, Earl A., assignor.)
- Standard Safety Manufacturing Co. (See Paecht, Hugo C., assignor.)
- Standard Safety Tread Corporation. (See Scott, John W., assignor.)
- Standard Sanitary Manufacturing Company. (See Frankenberger, Fred W., assignor.)
- Standard Sanitary Manufacturing Company. (See Frankenberger, William, assignor.)
- Standard Sanitary Manufacturing Company. (See Nash, Charles B., assignor.)
- Standard Sanitary Manufacturing Company. (See Smith, Sherman, assignor.)
- Standard Sanitary Manufacturing Company. (See Thompson, William O., assignor.)
- Standard Securities Co. (See Gilchrist, William L., assignor.)
- Standard Steel Car Company. (See Anderson, Harry T., assignor.)
- Standard Steel Car Company. (See Christianson, Andrew, assignor.)
- Standard Steel Propeller Company. (See McCauley, E. G., and Caldwell, assignors.)
- Standard Steel Spring Company. (See Schoonmaker, J. M., jr., and Gleason, assignors.)
- Standard Stoker Company. (See Hunt, Andrew M., assignor.)
- Standard Stoker Company. (See Roesch, Frank P., assignor.)
- Standard Stoker Company Inc., The. (See Lower, N. M., and Ketchpel, assignors.)
- Standard Textile Products Company, The. (See Dieck, Henry W., assignor.)
- Standard Thermometer Company. (See Barrett, Albert L., assignor.)
- Standard Thermometer Inc. (See McWilliam, Edward, assignor.)
- Standard Traffic Marker Company. (See Schrank, Fred J., assignor.)
- Standard Trailer Company, The. (See Satterlee, Eugene M., assignor.)
- Standard Trump Bros. Machine Company. (See Houseman, Wilbur L., assignor.)
- Standard Tube & Manufacturing Company. (See Healy, William A., assignor.)
- Standard Underground Cable Company. (See Saurman, Atlee B., assignor.)
- Standard Varnish Works. (See Hirsh, J. E., and Robson, assignors.)
- Standard Vending Corporation. (See O'Neil, Matthew G., assignor.)
- Standard X-Ray Company. (See Hettich, William G., assignor.)
- Stander, Jacob, Brooklyn, N. Y. Making composite panels for metal furniture. 1,687,952; Oct. 16.
- Standerwick, Reginald G. (See Dickinson, E. D., and Standerwick.)
- Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Regulating mechanism for elastic-fluid turbines. 1,655,682; Jan. 10.
- Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Regulating mechanism for turbine-driven centrifugal compressors. 1,655,683; Jan. 10.
- Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Elastic connection. 1,665,897; Apr. 10.
- Standerwick, Reginald G., Marblehead, Mass., assignor to General Electric Company. Turbine-regulating means. 1,670,083; May 15.
- Standerwick, Reginald G., Marblehead, and D. C. Pfeiffer, Lynn, Mass., assignors to General Electric Company. Governing mechanism. 1,655,681; Jan. 10.
- Standiford, Fred A., Kansas City, Mo. Combination light fixture and speaker. Des. 76,715; Oct. 23.
- Standish, Eula S., Providence, R. I. Brassière. 1,662,345; Mar. 13.
- Standow, Mark A., Newark, N. J. Electrically-operated clock. 1,680,700; Aug. 14.
- Stanek, Edward J., Milwaukee, Wis. Apparatus for straightening tubular castings. 1,664,904; Apr. 3.
- Stanek, Edward J., Milwaukee, Wis. Apparatus for truing up castings of varying contour. 1,672,044; June 5.
- Stanek, Rudolph F. (See McDonald, Harry W. and C., Wolf, and Stanek.)
- Stanford, Arthur L., Libertyville, Ill. Rail anchor. 1,659,173; Feb. 14.
- Stanforth, Richard. (See Noyes, H. T., and Stanforth.)
- Stanforth, Richard, assignor to Art In Buttons, Inc., Rochester, N. Y. Classifying irregularly-shaped material employed in the making of buttons or blanks for disks or the like. 1,660,239; Feb. 21.
- Stanforth, Richard, assignor to Art In Buttons, Inc., Rochester, N. Y. Producing buttons or blanks for disks, buttons, or the like from irregularly-shaped pieces of material. 1,660,726; Feb. 28.
- Stanhope, Benjamin C., Denver, Colo. Shoveling machine. 1,696,216; Dec. 25.
- Stanley, Allen H. (See Menefee, Elmer, assignor.)
- Stanley, Arba P., Columbus, and E. A. Stanley, Youngstown, Ohio. Burner for liquid and gaseous fuels. 1,659,221; Feb. 14.
- Stanley, Arthur. (See Willans, P. W., and Stanley.)
- Stanley, Arthur M., Lynn, assignor to Stanley Steel Welded Wheel Corporation, Boston, Mass. Disk wheel and making the same. 1,683,738; Sept. 11.
- Stanley, Arthur M., Lynn, and J. E. Sims, Quincy, assignors to Stanley Steel Welded Wheel Corporation, Boston, Mass. Welding machine. 1,675,734; July 3.

- Stanley, Arthur W., et al. (See Gillenwaters, Frank M., assignor.)
- Stanley Chemical Company, The. (See Dalbey, G. E., and Hanford, assignors.)
- Stanley, Edgar A. (See Stanley, Arba P. and E. A.)
- Stanley, Frederick C., Fairfield, assignor to The Raybestos Company, Bridgeport, Conn. Friction member and insert. 1,655,827; Jan. 10.
- Stanley, George F., assignor to The Stanley Mfg. Company, Dayton, Ohio. Metal label. 1,658,263; Feb. 7.
- Stanley, George F., assignor, by mesne assignments, to The Stanley Manufacturing Company, Dayton, Ohio. Interlocking monogram label. 1,668,613; May 8.
- Stanley, Grover B., Palmdale, Calif. Tank-truck faucet. 1,664,712; Apr. 3.
- Stanley, Henry, Galveston, Tex. Egg-preserving compound. 1,683,631; Sept. 11.
- Stanley Insulating Company. (See Badger, Harry M., assignor.)
- Stanley, James S., Great Neck, N. Y. Closure for receptacles. 1,669,216; May 8.
- Stanley, John C. W., assignor to Oceania Industries Limited, Victoria, British Columbia, Canada. Apparatus for the production of fiber from flax and hemp straw and the leaves of phormium-tenax sisal abacca yucca and the like. 1,657,046; Jan. 24.
- Stanley Manufacturing Company, The. (See Stanley, George F., assignor.)
- Stanley, Robert, De Witt, Iowa. Oat huller. 1,677,111; July 10.
- Stanley, Robert W., Holyoke, Mass., assignor to Bergstan Patents Corporation, Wilmington, Del. Extension packing case. 1,680,071; Aug. 7.
- Stanley Steel Welded Wheel Corporation. (See Stanley, Arthur M., assignor.)
- Stanley Steel Welded Wheel Corporation. (See Stanley, A. M., and Sims, assignors.)
- Stanley, Thomas W., et al., trustees. (See Smith, William J., assignor.)
- Stanley Works, The. (See Eger, George, assignor.)
- Stanley Works, The. (See Howe, L. S., and Holloway, assignors.)
- Stanley Works, The. (See Johnson, Charles A., assignor.)
- Stanley Works, The. (See Parsons, Stuart W., assignor.)
- Stanley Works Gesellschaft mit beschränkter Haftung. (See Vom Bruck, Friedrich C., assignor.)
- Stannard, Bruce M. (See Wenn, F. D., and Stannard.)
- Stannard, Winfield H., Matteson, assignor to Central Scientific Company, Chicago, Ill. Constant-temperature oven. 1,676,876; July 10.
- Stansell, Orville C. (See Rogers, Charles C., assignor.)
- Stansfield, William. (See McLeod, R. S., Mason, and Stansfield.)
- Stant, Kyle E., Connerville, Ind. Radiator cap. Des. 75,935; July 31.
- Stant, Kyle E., assignor to The Stant Machine Company, Connerville, Ind. Radiator cap. 1,672,433; June 5.
- Stant Machine Company. (See Stant, Kyle E., assignor.)
- Stanton, Edwin S., Brooklyn, N. Y. Float for use in bathing. 1,656,840; Jan. 17.
- Stanton, Frederick L., New York, N. Y. Intra-oral cassette. 1,662,838; Mar. 20.
- Stanton Home Safe Company. (See Irwin, Justice C., assignor.)
- Stanton, Myles J., Pittsfield, Mass., assignor to General Electric Company. Brush holder. 1,693,322; Nov. 27.
- Staples, Charles F., Detroit, Mich., assignor of one-half to L. M. Field, Alameda, Calif., and one-half to A. A. Wiedemaier, Detroit, Mich. Transmission mechanism. 1,664,575; Apr. 3.
- Staples, Earle I., New York, N. Y. Liquid-fuel burner. 1,695,215; Dec. 11.
- Staples, Eugene A., Brooklyn, N. Y. Floor outlet. 1,692,097; Nov. 20.
- Staples, Henry W., assignor to Winchester Repeating Arms Company, New Haven, Conn. Battery hand lamp. 1,664,905; Apr. 3.
- Staples, Henry W., assignor to Winchester Repeating Arms Company, New Haven, Conn. Battery hand lamp. 1,688,560; Oct. 23.
- Staples, Horace A., Plainfield, N. J., assignor to National Electric Products Corporation, New York, N. Y. Method of and tool for packing condenser tubes or the like. 1,695,616; Dec. 18.
- Staples, Martin G., Orpington, England. Button. 1,657,417; Jan. 24.
- Staples, Oscar C., Tulsa, Okla. Combination clamp. 1,687,851; Oct. 16.
- Staples, Stogdell S. (See Chapin, William R., assignor.)
- Stapleton, Earl M., deceased; M. E. Chapman, administratrix, assignor to F. S. Martin, Oklahoma City, Okla. Tour chest. 1,672,350; June 5.
- Stapp, John H., San Francisco, Calif. Coin bank. Des. 74,901; Apr. 10.
- Stappen, Albert. (See Gruber, K., and Stappen.)
- Star Chandler Co. (See Boehringer, John A., assignor.)
- Star Contra Propeller Ltd. A/S. (See Overgaard, Olav, assignor.)
- Star Detachable Towel Holder Co. (See Hubinger, George M., assignor.)
- Star Drilling Machine Company, The. (See Krupp, Leo A., assignor.)
- Star Drilling Machine Company. (See Yeaton, Alton F., assignor.)
- Star Furniture Company. (See Pike, George J., assignor.)
- Star Pin Company, The. (See Emerson, Dean A., assignor.)
- Star Rebound Controller Company, The. (See Snyder, Jacob R., assignor.)
- Star, Richard, Brooklyn, N. Y. Automatic valve for gauges. 1,667,877; May 1.
- Star Ring Company, The. (See Goeken, Henry A., assignor.)
- Star Service Hanger Co. (See Coney, J. D., and Garllus, assignors.)
- Star Service Hanger Company. (See Magidson, Frank, assignor.)
- Starbuck, William C., Van Nuys, Calif. Hinge-spacing gauge head. 1,680,575; Aug. 14.
- Stardant Rubber Company, The. (See Unger, Frank J., assignor.)
- Sta-Rite Hair Pin Company. (See Gibson, Clark A., assignor.)
- Stark, Alpha P., Pampa, Tex. Firearm-holding and trigger-actuating device. 1,667,060; Apr. 24.
- Stark, Gustaf A., Atwater, Minn. Grave covering and lining device. 1,675,770; July 3.
- Stark, Gustaf A., Atwater, Minn. Grave lining and covering device. 1,693,062; Nov. 27.
- Stark, Gustaf A., Atwater, Minn. Grave covering and lining device. 1,693,063; Nov. 27.
- Stark, Hans Hermsdorf, near Berlin, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt-on-the-Main, Germany. Holder for dentists' drilling instrument. 1,674,486; June 19.
- Stark, Irene S. (See Ehardt, J., and Stark, assignors.)
- Stark, Kimball H., New York, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Electron-discharge device. 1,695,746; Dec. 18.
- Stark, Ludwig. (See Ehardt, J., and Stark.)
- Stark, Nathan I., and J. Sauer, Philadelphia, Pa. Scouring device. 1,678,962; July 31.
- Stark, Nicholas C., St. Louis Mo. Penholder. 1,659,579; Feb. 21.
- Stark, Rudi, assignor to Central Scientific Company, Chicago, Ill. Laboratory apparatus. 1,688,404; Oct. 23.
- Stark, Theodore H., assignor to C. Bruno & Son, Inc., New York, N. Y. Tuning key for string instruments. 1,661,708; Mar. 6.
- Stark, Walter E., New York, N. Y. Convertible toy. 1,665,043; Apr. 3.
- Stark, Walter E., New York, and S. H. Drake, Groton, N. Y. Camera. 1,680,647; Aug. 14.
- Starke, August L., Brookhaven, N. Y., assignor to Insulation Manufacturing Company, Inc. Terminal block. 1,691,088; Nov. 13.
- Starkey, Lewis P., Fort Collins, Colo., assignor, by mesne assignments, to R. E. Starkey. Vending machine. 1,682,942; Sept. 4.
- Starkey, Rose E. (See Starkey, Lewis P., assignor.)
- Starkey, Rose E. (See Yont, C. A., and Flint, assignors.)
- Starkey, William C., Indianapolis, Ind. Liquid gauge. 1,667,499; Apr. 24.
- Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Rebound damper. 1,679,179; July 31.
- Starkin, Emil O., Metuchen, N. J. Combined valve and valve-seat grinder. 1,655,251; Jan. 3.
- Starkins, Walter R., Rochester, N. Y. System for detecting and controlling humidity variations. 1,694,107; Dec. 4.
- Stärkle, Max. (See Burckhardt, E., and Stärkle.)
- Starks, Obie W., Clearfield, Pa. Handle mounting for brushes. 1,687,953; Oct. 16.
- Starkweather, George E., assignor of one-fourth to T. A. Holland and one-fourth to B. Chambers, Los Angeles, Calif. Heater. 1,677,006; July 10.
- Starkweather-Snook Corporation. (See Snook, Earnest R., assignor.)
- Starlighters, Inc. (See Barker, Leo, assignor.)
- Starling, William J., Chicago, Ill. Balancing means for vehicle wheels. 1,684,290; Sept. 11.
- Starner, Victor E., Bell, Calif. Towel bar. 1,692,059; Nov. 20.
- Starr, Elnathan S., Corona, Calif. Water-wheel turbine. 1,672,739; June 5.
- Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical generating system. 1,685,101; Sept. 25.
- Starr, Frank F., assignor to Delco-Light Company, Dayton, Ohio. Electrical generating system. 1,695,353; Dec. 18.
- Starr, Harold H., et al. (See Jones, George A. E., assignor.)
- Starr, Jesse W., 3d. (See McAdams, Harry, assignor.)
- Starr, Morton H., assignor to The Howe Scale Company, Rutland, Vt. Rain guard for track scales. 1,663,826; May 8.
- Starr Piano Company. (See Maxwell, John S., assignor.)
- Starr, Samuel T., et al. (See Kamedish, Peter B., assignor.)
- Starrak, James A. (See Lancelot, W. H., and Starrak.)
- Starrels, Joel, Chicago, Ill. Producing commercial stearic acid. 1,659,790; Feb. 21.
- Starrett, L. S., Company, The. (See Cook, Alvin B., assignor.)
- Starrett, L. S., Company, The. (See Simpson, Robert J. O., assignor.)

- Starysky, Charles, Marysville, Tex. Packing for oil wells. 1,676,168; July 3.
- Starysky, Charles, Wichita Falls, Tex. Pump. 1,675,390; July 3.
- Stassiniet, Theodor, Dinslaken, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt. Device for removing vapors from annealing receptacles or furnaces. 1,656,611; Jan. 17.
- Stastny, Gottlieb I., New York, N. Y. Rotary compressor. 1,686,505; Oct. 2.
- State Conservation and Development Commission on behalf of the Commonwealth of Virginia. (See Perdue, Landon L., assignor.)
- State Foundry and Pattern Company, The. (See Hinman, Robert M., assignor.)
- Stateler, Ernest S. (See Kohman, H. A., Irvin, and Stateler.)
- States Company, The. (See Bartlett, H. R., and Blakeslee, assignors.)
- States Company, The. (See Larson, Werner J., assignor.)
- Statham, Noel, Irvington-upon-Hudson, N. Y. Fastening means and operating member therefor. 1,666,110; Apr. 17.
- Statham, Noel, Irvington-upon-Hudson, N. Y. Flexible fastening device. 1,672,627; June 5.
- Statham, Noel, Irvington-upon-Hudson, N. Y. Flexible fastening device and operating the same. 1,691,999; Nov. 20.
- Statia, Edward V., Detroit Mich. Coin-controlled dispenser. 1,657,418; Jan. 24.
- Staton, John W., El Reno, assignor of one-half to G. B. Savage, Hollis, Okla. Rail joint. 1,660,727; Feb. 28.
- Stator Refrigeration, Inc. (See Wescott, Ernest W., assignor.)
- Stäubli, Hugo, Zurich, assignor to Gebr. Stäubli & Co., Horgen, Switzerland. Shed-forming machine with paper pattern cards. 1,672,434; June 5.
- Staubli, Hugo, Zurich, assignor to Gebr. Staubli & Co., Horgen, Switzerland. Apparatus for the driving of a pattern mechanism or shed-forming machine. 1,677,255; July 17.
- Staud, Cyril J. (See Gray, H. L., and Staud.)
- Staud, Cyril J. (See Gray, H. Le Be, and Staud.)
- Staupe, Edwin G., Minneapolis, Minn. Feed-wheel moistener for automatic paper-sheet feeders. 1,671,687; May 29.
- Staupe, Edwin G., Minneapolis, Minn. Laterally-adjustable tables for automatic paper-sheet feeders. 1,671,688; May 29.
- Staupe, Edwin G., Minneapolis, Minn. Variable-speed fluid transmission. 1,671,750; May 29.
- Staupe, Edwin G., Minneapolis, Minn. Stacking mechanism for paper-box machines. 1,671,790; May 29.
- Staupe, Edwin G., Minneapolis, Minn. Friction brake. 1,673,211; June 12.
- Staupe, Edwin G., Minneapolis, Minn. Attachment for paper-slotting machines. 1,687,522; Oct. 16.
- Staupe, Edwin G., Minneapolis, Minn. Fluid-pressure pump for power-propelled vehicle controlling means. 1,687,523; Oct. 16.
- Staudenmeir, Ludwig. (See Fagan, J. T., and Staudenmeir.)
- Staudenmeir, Ludwig. (See Phelps, R. G., and Staudenmeir.)
- Staudinger, Hermann, Freiburg, Baden, Germany, to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Caoutchouc derivative and making the same. 1,654,844; Jan. 3.
- Staudinger, Hermann, Zurich, R. Tobler, and R. Stocker, Basle, J. Müller, Munchenstein, near Basle, and A. Bucher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Indigold dyestuff. 1,679,277; July 31.
- Staudinger, Hermann, Freiburg, Germany, and T. Reichstein, Zurich, Switzerland, assignors to the firm Internationale Nahrungs- und Genussmittel Aktiengesellschaft, Schaffhausen, Germany. Producing artificial coffee aroma. 1,696,419; Dec. 25.
- Staudte, Albert, Philadelphia, Pa. Stocking. Des. 77,133; Dec. 4.
- Staugar, Carl S., Chicago, Ill. Radio cabinet panel. Des. 75,136; May 8.
- Staver, Harry B. (See Pinales, Solomon M., assignor.)
- Staver, Harry B., Chicago, Ill. Racing-track apparatus. 1,680,072; Aug. 7.
- Stay, Theron D., and C. O. Tessier, Cleveland, Ohio, assignors, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Apparatus for reclaiming metals. 1,679,385; Aug. 7.
- Stayinski, Leo. (See Lunz, F., and Stawinski.)
- Staynew Filter Corporation. (See Dollinger, Lewis L., assignor.)
- Staytite Company, The. (See Schmidt, G. C., and Muller, assignors.)
- Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,665,231; Apr. 10.
- Stazak, Michael B., assignor to Kellogg Switchboard & Supply Co., Chicago, Ill. Telephone system. 1,667,015; Apr. 24.
- Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,680,344; Aug. 14.
- Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,693,824; Dec. 4.
- Stead, Harold J., assignor to Steadfast Mfg. Co., Inc., Geneva, N. Y. Apparatus for stretching and shaping rims. 1,674,575; June 19.
- Stead, Lawrence A. (See Carlson, E. E., and Stead.)
- Stead Rail Anchors, Incorporated. (See Cooper, Francis W., assignor.)
- Steadfast Mfg. Co. Inc. (See Stead, Harold J., assignor.)
- Steadlyte Motion Picture Machine Corporation. (See Kosken, Wilho A., assignor.)
- Steam Pressing Iron Company. (See Hoffman, Louis, assignor.)
- Steam Vehicle Corporation of America. (See White, Raymond E., assignor.)
- Stean, Jules H., Marquette, Mich. Refuse container. 1,680,957; Aug. 14.
- Stearns & Foster Company, The. (See Paddock, Truman G., assignor.)
- Stearns, Henry G., Arapahoe, Nebr. Governor-controlled mechanism for internal-combustion engines. 1,675,995; July 3.
- Stearns, Howard E., Beaver City, Nebr. Awning bracket. 1,674,929; June 26.
- Stearns, Jason C., Worcester, Mass. Cigar and cigarette lighter. Des. 74,810; Mar. 27.
- Stearns, Jason C., Worcester, Mass. Connecting plug. 1,674,804; June 26.
- Stearns, Roswell H., assignor to Magnetic Mfg. Co., Milwaukee, Wis. Method of and apparatus for magnetic separation. 1,692,590; Nov. 20.
- Stebbins, Albert H., Los Angeles, Calif. Classifier. 1,655,574; Jan. 10.
- Stebbins, Albert H., Los Angeles, Calif. Classifier. 1,655,575; Jan. 10.
- Stebbins, Albert H., Los Angeles, Calif. Classifier. 1,655,576; Jan. 10.
- Stebbins, Albert H., Los Angeles, Calif. Classifier. 1,655,577; Jan. 10.
- Stebbins, Albert H., Los Angeles, Calif. Frame supporting and operating mechanism. 1,655,578; Jan. 10.
- Stebbins, Albert H., Los Angeles, Calif. Air-blast classifier. 1,660,682; Feb. 28.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,660,683; Feb. 28.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,660,684; Feb. 28.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,660,685; Feb. 28.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,660,686; Feb. 28.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,660,687; Feb. 28.
- Stebbins, Albert H., Los Angeles, Calif. Dust extractor. 1,666,475; Apr. 17.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,666,476; Apr. 17.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,666,477; Apr. 17.
- Stebbins, Albert H., Los Angeles, Calif. Air classifier. 1,673,848; June 19.
- Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,673,849; June 19.
- Stebbins, Albert H., Los Angeles, Calif. Concentrator table. 1,678,364; July 24.
- Stebbins Engineering and Manufacturing Company. (See Shortt, Howard G., assignor.)
- Stebbins, Harry Y., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Six-wheel attachment for vehicles. 1,674,805; June 26.
- Stebbins, William H. (See Hussey, C. L., and Stebbins.)
- Stebly, Edward F., Duluth, Minn. Signaling device. 1,669,679; May 15.
- Stebler, Fred, Riverside, Calif. Fruit scrubber. 1,684,896; Sept. 18.
- Stebler, Fred, assignor to Stebler-Parker Co., Riverside, Calif. Fruit-counting apparatus. 1,690,756; Nov. 6.
- Stebler-Parker Co. (See Stebler, Fred, assignor.)
- Stechbart, Arthur, Chicago, Ill., assignor, by mesne assignments, to F. B. Smith. Portable talking machine. Re16,993; June 12.
- Stedefeld, Curt. (See Kruckenberg, F., and Stedefeld.)
- Stedman, Charles C., Cleveland, assignor to The Central Tractor Company, Greenwich, Ohio. Tractor. 1,690,141; Nov. 6.
- Stedman, Percy A., Bombay, India. Supporting device for manipulating tools. 1,674,669; June 26.
- Steitfeld, Christian H., Hutchinson, Minn. Windshield cleaner. 1,669,680; May 15.
- Stedwell, George W., Brooklyn, N. Y., assignor to Liquid Dispensing Systems, Inc. Liquid-delivery system. 1,685,036; Sept. 18.
- Stedwell, George W., Brooklyn, assignor of one-half to F. Sheridan, New York, N. Y. Liquid-delivery system. 1,696,738; Dec. 25.
- Steeb, Harry L., Rock Island, Ill. Book end. Des. 75,753; July 10.
- Steedman, Edwin H., St. Louis, Mo. Discharge-valve structure for compressors. 1,688,027; Oct. 16.
- Steedman, Edwin H., St. Louis, assignor to Curtis Manufacturing Company, Wellston, Mo. Cooling apparatus. 1,688,158; Oct. 16.

- Steegmuller, Joseph F., Cos Cob, Conn., assignor to M. D. Knowlton Company, Rochester, N. Y. Receiving bank. 1,669,497; May 15.
- Steel, Edwin de H., assignor to Steel & Wikse Company, Philadelphia, Pa. Mounting mirrors and the like. 1,682,584; Aug. 28.
- Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
- Steel and Tubes, Incorporated. (See Sargent, James A., assignor.)
- Steel & Tubes, Inc. (See Sussman, Julius L., assignor.)
- Steel Wheel Corporation. (See Forsyth, George H., assignor.)
- Steel Wheel Corporation. (See Lowrie, Edward D., assignor.)
- Steel Wheel Corporation. (See Van Halteren, assignor.)
- Steel Wheel Corporation. (See Williams, William E., assignor.)
- Steel, Willard R., Scotia, N. Y., assignor to General Electric Company. Heat-resistant composition suitable for arc deflectors. 1,696,614; Dec. 25.
- Steel & Wikse Company. (See Steel, Edwin de H., assignor.)
- Steele, Charles M. (See Sedlock, J., and Steele.)
- Steele, Charles W., assignor to The Miller Rubber Company, Akron, Ohio. Rotary bias cutter. 1,687,598; Oct. 16.
- Steele, Edwin G. (See Sutton, H. M., and Steele.)
- Steele, Harry A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring-pad construction. 1,690,652; Nov. 6.
- Steele, Harry A., assignor to The Prosperity Company Inc., Syracuse, N. Y. Spring pad for pressing machines. 1,696,653; Dec. 25.
- Steele, Herbert H., Lynbrook, assignor to Underwood Elkhott Fisher Company, New York, N. Y. Typewriting machine. 1,688,359; Oct. 23.
- Steele, James R. (See Moore, G. L., and Steele.)
- Steele, John B., Boone, N. C. Wire-stretcher clamp. 1,689,306; Oct. 30.
- Steele, Lawrence C., Baltimore, Md. Wiper for coating machines. 1,659,984; Feb. 21.
- Steele, Lawrence C., Baltimore, Md. Method and apparatus for handling sheet material. 1,691,503; Nov. 13.
- Steele, Lawrence C., Baltimore, Md. Rolling-mill screw-down mechanism. 1,686,042; Oct. 2.
- Steele, Leslie R., Boulder, Colo. Battery electrolyte compound. 1,668,740; May 8.
- Steele, Leslie R., Boulder, Colo. Making storage batteries. 1,668,741; May 8.
- Steele, Maurice G. (See Hart, M. S., and Steele.)
- Steele, Roscoe, Rockaway Borough, N. J., assignor to Wirebounds Patent Company. Shipping crate. 1,681,063; Aug. 14.
- Steele, Walter L. (See Sutton, H. M., and Steele.)
- Steelelastic Company. (See Frost, Warren H., assignor.)
- Steen, Rapha P. (See Craig, M. A., Steen, and Logsdon.)
- Steen, Syvend A., assignor to Dadhams Oil Company, Milwaukee, Wis. Grease-gun grease container. 1,677,603; July 17.
- Steenbock, Harry, Madison, Wis., assignor to Wisconsin Alumni Research Foundation. Antirachitic product and process. 1,680,818; Aug. 14.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Method of and furnace for uniting metal parts by fusion. 1,659,550; Feb. 14.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Ring member and making same. 1,688,762; Oct. 23.
- Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Compressor. 1,693,323; Nov. 27.
- Steere, Clarence A., Wickford, R. I., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-off and tension mechanism for narrowware looms. 1,679,634; Aug. 7.
- Steere, Ernest C., Sydney, New South Wales, Australia. Electrical water heater. 1,691,943; Nov. 20.
- Steere, George R., and A. Hurst, Owosso, Mich., assignors, by mesne assignments, to Smet-Solvay Engineering Corporation, New York, N. Y. Pipe-cutting machine. 1,661,274; Mar. 6.
- Steere, Harry A., San Francisco, Calif. Electric popcorn popper. Des. 76,765; Oct. 30.
- Steere, William J., Rockwood, Tenn., assignor to Southern Textile Machinery Company, Paducah, Ky. Sewing machine. 1,677,932; July 24.
- Steeves, Stanley A., Moncton, New Brunswick, Canada. 1,655,881; Jan. 10.
- Stefan, Geza, Chicago, Ill. Lighting fixture. 1,663,357; Mar. 20.
- Stefanowski, Walter. (See Kuser, Albert, assignor.)
- Steffen, Adolf, Pittsburgh, Pa., assignor to Adams Bros. Mfg. Co., Inc. Electric heater. 1,657,808; Jan. 31.
- Steffen, Adolf, Pittsburgh, Pa., assignor to Adams Brothers Manufacturing Company. Gas burner. 1,660,018; Feb. 21.
- Steffen, Carl, Jr., Vienna, Austria. Obtaining tricalcium saccharate. 1,667,446; Apr. 24.
- Steffen, Henri, Sierre, assignor to E. Gissler, Aigle, Switzerland. Process and apparatus for waving the hair. 1,664,000; Mar. 27.
- Steffens, John A., Brooklyn, N. Y. Dehydrating alcohol. 1,670,053; May 15.
- Steffens, Joseph E., Hollis, N. Y. Mantle for gas burners. 1,692,000; Nov. 20.
- Steffler, Frank J., Teeswater, Ontario, Canada. Automobile sleigh. 1,661,511; Mar. 6.
- Stefl, Frank J., Rice Lake, Wis. Horseshoeing stall. 1,668,384; May 1.
- Steger, Alex., Vining, Minn. Antiglare shield for vehicles. 1,684,690; Sept. 18.
- Steger, William, Columbus, Ohio. Automobile door window. 1,674,487; June 19.
- Stegmann, Karl, assignor to Johne-Werk Grafische Maschinen-Aktiengesellschaft, Bautzen, Germany. Cutting machine for paper, cardboard, and the like. 1,672,138; June 5.
- Stegmann, Wilhelm. (See Darmstadt, P., Stegmann, and Weil.)
- Stegner, George P., assignor to William Heck Saddlery Company, California, Mo. Horse-collar pad. 1,672,474; June 5.
- Stehli Fabrics Corporation. (See Golding, Edwin I., assignor.)
- Stehli, Henry J., Cedar Grove, N. J. Sintering zinc ores. 1,661,813; Mar. 6.
- Stehli, Henry J., Cedar Grove, N. J. Preparing flotation concentrates. 1,673,891; June 19.
- Stehli, Henry J., Cedar Grove, N. J. Method of and apparatus for sintering. 1,680,345; Aug. 14.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Loud-speaking telephone system. 1,655,028; Jan. 3.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,656,300; Jan. 17.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Switch-controlling device. 1,662,041; Mar. 6.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,671,791; May 29.
- Stehlik, Rudolph F., assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,672,101; June 5.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,673,212; June 12.
- Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Automatic telephone system. 1,677,413; July 17.
- Stehlik, Rudolph F., Chicago, Ill., assignor to Reserve Holding Company, Kansas City, Mo., Automatic telephone system. 1,677,414; July 17.
- Stehlik, Rudolph F., assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,685,410; Sept. 25.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,688,160; Oct. 16.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,688,161; Oct. 16.
- Stehlik, Rudolph F., assignor to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,688,162; Oct. 16.
- Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,693,124; Nov. 27.
- Steichen, Marie C., New York, N. Y. Hair waver. 1,693,005; Nov. 17.
- Stelert, Alois F., and O. W. Linke, Philadelphia, Pa., assignors to S. L. Products Company. Floor polisher. 1,656,651; Jan. 17.
- Steiger, Heinrich. (See Lüscher, E., and Steiger.)
- Steigerwald, George N., Philadelphia, Pa., assignor to The Union Trust Company, Cleveland, Ohio. Welding. 1,688,360; Oct. 23.
- Steigleder, Frank N., Pittsburgh, Pa. Method and composition for removing drawing ink. 1,672,790; June 5.
- Steinilber, Adolf A., Rock Island, Ill. Stock-storage apparatus. 1,666,074; Apr. 17.
- Steil, Frank P., Cudahy, Wis. Stitch-down shoe-lasting machine. 1,654,617; Jan. 3.
- Steimer, Charles M., executor. (See Stelmer, Theodore C.)
- Stelmer, Theodore C., deceased, Pittsburgh, Pa.; C. M. Stelmer, executor, Zanesville, Ohio, assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Glass-feeding mechanism. 1,663,925; Mar. 27.
- Steimmig, Gerhard. (See Knorr, A., and Steimmig.)
- Stein, Barnet L., Glencoe, and F. Kaplan, Evanston, Ill. Scenic setting for store display. Des. 75,936; July 31.
- Stein, Berthold. (See Berliner, R., Stein, and Trautner.)
- Stein, Berthold, Brooklyn, N. Y. Apparatus for determining the alcohol in a liquid. 1,658,950; Feb. 14.
- Stein, Berthold, Elberfeld, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Making tetra-nitro-dianthrone. 1,686,992; Oct. 9.
- Stein, Charles, and W. M. Heller, Atlantic City, N. J. Doll. Des. 75,532; June 12.
- Stein, Edward, assignor of one-half to A. Ettinger, Detroit, Mich. Mounting upholstering. 1,671,452; May 29.
- Stein, Elmer H., Pepin, Wis. Check-row attachment for planters. 1,668,827; May 8.
- Stein, Emanuel D. (See Salinger, Morris, assignor.)
- Stein Fur Dyeing Co. (See Stein, H., Austin, and Liebowitz, assignors.)
- Stein, Harry B., Chicago, Ill. Door and jamb construction. 1,677,058; July 10.

- Stein, Harry B., Chicago, Ill. Window construction. 1,688,836; Oct. 23.
- Stein, Harry B., Chicago, Ill. Transom-operating means. 1,689,307; Oct. 30.
- Stein, Henry H., Fort Wayne, Ind. Towel support. 1,660,940; Feb. 28.
- Stein, Hyman, Arverne, W. E. Austin, New York, and I. Liebowitz, Brooklyn, assignors, to Stein Fur Dyeing Co., Inc., New York, N. Y. Treating fur skins and the like. 1,668,875; May 8.
- Stein, Hyman, and W. E. Austin, New York, and I. Liebowitz, Brooklyn, assignors to Stein Fur Dyeing Co., Inc., New York, N. Y. Fabricating felts and felt materials. 1,687,801; Oct. 16.
- Stein, Hyman, and W. E. Austin, New York, and I. Liebowitz, Brooklyn, assignors to Stein Fur Dyeing Co., Inc., New York, N. Y. Felt and felt material and articles, such as hats and hat bodies, made of the same. 1,687,802; Oct. 16.
- Stein, Isaac A., assignor to Triple XXX Company, Galveston, Tex. Bottle. Des. 75,453; June 5.
- Stein, Johann-Georg, Berlin-Halensee, Germany. Diving contrivance adapted for deep-sea diving. 1,694,108; Dec. 4.
- Stein, John A., New York, N. Y., assignor to American Machine & Foundry Company. Belt-tensioning device. 1,675,671; July 3.
- Stein, Milton F., assignor, by mesne assignments, to General Zeolite Company, Chicago, Ill. Rate-of-flow controller. 1,685,205; Sept. 25.
- Stein, Morris, and A. S. Levin, Philadelphia, Pa. Twin coils for ice coolers. 1,660,141; Feb. 21.
- Stein, Theodor, Friedenau, Germany, assignor to General Electric Company. Steam turbine. 1,657,233; Jan. 24.
- Stein, Theodor, Berlin-Friedenau, Germany, assignor to General Electric Company. Power station. 1,680,752; Aug. 14.
- Steinerson, Sigurd A., Bucksport, Me. Brush attachment. 1,696,816; Dec. 25.
- Steinbach, Cecil, Cuba, Wis. Grinder collector. 1,660,532; Feb. 28.
- Steinberg, Julius, New York, N. Y. Headgear and making the same. 1,664,271; Mar. 27.
- Steinberg, Nathan E. (See Gruber, Chester J., assignor.)
- Steinberg, Samuel H., and J. E. Snyder, Los Angeles, Calif. (Invalid bed. 1,679,635; Aug. 7.
- Steinberger, Andrew, New York, N. Y. Exercising prize amusement device. 1,664,272; Mar. 27.
- Steinberger, Irwin, New York, N. Y. Glove. 1,655,295; Jan. 3.
- Steinberger, Louis, Brooklyn, N. Y. Loud speaker. Des. 74,703; Mar. 13.
- Steinbrenner, Henry G., Cleveland, Ohio, assignor, by mesne assignments, to Industrial Brownhoist Corporation. Controlling the driving gear of locomotive cranes. 1,677,374; July 17.
- Steincamp, William. (See Johnson, William W., assignor.)
- Steindorff, Ulrich F. L., New York, N. Y. Printing device. 1,680,819; Aug. 14.
- Steindorff, Ulrich F. L., New York, N. Y. Portable electric lamp. 1,695,987; Dec. 18.
- Steiner, Albert, Troy, Mont. Condiment holder. 1,656,449; Jan. 17.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Sizing device for internal-grinding machines. 1,662,213; Mar. 13.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Grinding machine. 1,662,546; Mar. 13.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Equalizing drive for grinding machines. 1,674,457; June 19.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Automatic sizing device for grinding machines. 1,677,307; July 17.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Flexible coupling. 1,681,793; Aug. 21.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic back rest. 1,689,409; Oct. 30.
- Steiner, Amos P., assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic foot stock. 1,689,410; Oct. 30.
- Steiner, Earl V., Marshallville, Ohio. Railway-crossing signal. 1,657,489; Jan. 31.
- Steiner, Erich F., Sonneberg, Germany, assignor to Karl Ohlbaum & Son Inc., New York, N. Y. Voice-producing apparatus for dolls and other toy figures. 1,675,832; July 3.
- Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company. Salt Lake City, Utah. Towel cabinet. Des. 77,044; Nov. 27.
- Steiner, Frank M., and G. Olson, Minneapolis, Minn., assignors to Steiner Sales Company. Salt Lake City, Utah. Towel cabinet. 1,694,991; Dec. 11.
- Steiner, George A., assignor to Steiner Sales Company. Salt Lake City, Utah. Towel cabinet. Re17,031; July 10.
- Steiner, J. Howard, et al. (See Weaver, Samuel L., assignor.)
- Steiner, Joseph C., Wauwatosa, and M. P. Mikas, Milwaukee, Wis. Brush. 1,690,757; Nov. 6.
- Steiner, Leopold, Brooklyn, assignor to J. M. Ohlenbusch, New York, N. Y. Hair curler. 1,695,442; Dec. 18.
- Steiner, Ludwig, Berlin, and V. Gutmann, Nuremberg, Germany, assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Totally-inclosed electric machine. 1,678,883; July 31.
- Steiner, Ludwig, Berlin, and V. Gutmann, Nuremberg, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin-Siemensstadt, Germany. Sounding device for liquid levels. 1,695,701; Dec. 18.
- Steiner, Martin, Kenilworth, N. J. Insect trap. 1,667,876; May 1.
- Steiner, Oscar, Philadelphia, Pa., assignor to General Electric Company. Electric condenser. 1,680,702; Aug. 14.
- Steiner, Philip H., San Francisco, Calif. Fuel burner. 1,675,002; June 26.
- Steiner Sales Company. (See Hails, Edward T., assignor.)
- Steiner Sales Company. (See Steiner, Frank M., assignor.)
- Steiner Sales Company. (See Steiner, F. M., and Olson, A., assignor.)
- Steiner Sales Company. (See Steiner, George A., assignor.)
- Steinert, (Mrs.) Ida, et al. (See Miller, Hugo, assignor.)
- Steinert, Johann, Chemnitz, Germany. Glove. 1,692,959; Nov. 27.
- Steinhelfer, Jacob F., Toledo, Ohio. Washing machine. 1,691,089; Nov. 13.
- Steinhoff, George E. (See Smith, Robert B., assignor.)
- Steinhorst, Emil, & Sons, Inc. (See Steinhorst, Emil and W. C., assignors.)
- Steinhorst, Emil and W. C., assignors to Emil Steinhorst & Sons, Inc., Utica, N. Y. Furnace. 1,655,110; Jan. 3.
- Steinhorst, William C. (See Steinhorst, Emil and W. C.)
- Steinke, August W., assignor, by mesne assignments, to American Electric Company, Chicago, Ill. Supervisory system. 1,672,006; June 5.
- Steinle, Adolf, assignor to firm of Carl Zeiss, Jena, Germany. Measuring apparatus. 1,657,326; Jan. 24.
- Steinle, Adolf, assignor to the firm, Carl Zeiss, Jena, Germany. Method of and device for testing the position of two axial directions. 1,662,836; Mar. 20.
- Steinle, Adolf, assignor to the firm: Carl Zeiss, Jena, Germany. Device for testing the position of driving shafts in piston machines and the like. 1,667,995; May 1.
- Steinle, Adolf, assignor to the firm Carl Zeiss, Jena, Germany. Caliper gauge. 1,671,168; May 29.
- Steinle, Leon, San Antonio, Tex. Furnace. 1,674,531; June 19.
- Steinlin, Moritz, and W. Holderegger, St. Gallen, Switzerland. Loom. 1,686,580; Oct. 9.
- Steinman, Harry H., St. Paul, Minn. Antifrost device for windows. 1,681,443; Aug. 21.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Electrical switch. 1,656,399; Jan. 17.
- Steinmayer, Alwin G., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Electrical switch. 1,668,828; May 8.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Insulator. 1,681,378; Aug. 21.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse. 1,687,232; Oct. 9.
- Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Contact terminal. 1,690,845; Nov. 6.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Lightning arrester. 1,658,746; Feb. 7.
- Steinmetz, Georg, Charlottenburg, Germany. Loose-leaf-suspending file. 1,663,617; Mar. 27.
- Steinmetz, Herman, assignor to Bat-A-Peny Corporation, Rochester, N. Y. Amusement device. 1,673,999; June 19.
- Steinmüller, Firma L. & C. (See Steinmüller, Lebrecht, assignor.)
- Steinmüller, Lebrecht, Gummersbach, assignor to Firma L. & C. Steinmüller, Gummersbach, Rheinland, Germany. Water-tube boiler. 1,684,691; Sept. 18.
- Steinruck, Herman. (See Filzer, Christian G., assignor.)
- Steinrück, Hermann, Berlin, Germany. Screw-thread tap. 1,693,768; Dec. 4.
- Stein-Tobler Company. (See Mothes, Paul O., assignor.)
- Stell, Alfred, Ingrow, J. Stell, Browfield, and H. Welch, Keighley, England. Doffing mechanism for cap spinning, doubling, and like machines. 1,665,720; Apr. 10.
- Stell, John. (See Stell, Alfred and J., and Welch.)
- Stelling, Hermann C., Orangeburg, N. Y., assignor to The Oxweld Railroad Service Company. Acetylene lamp. Des. 75,664; June 26.
- Stellingwert, Peter, Orange City, Iowa. Rail joint. 1,663,419; Mar. 20.
- Stellwagen, Frank W. (See Maschmann, Rudolph, assignor.)
- Stelter, George W., assignor to L. E. Freeman Company, North Attleboro, Mass. Bracelet. 1,672,007; June 5.
- Stelzner, Hermann, assignor to A. B. Dräger, deceased, Lubbeck, Germany; E. Dräger, née Stangen, executrix. Diving equipment. 1,692,591; Nov. 20.

- Stem, Isaac F., and J. H. Glaze, Mountain View, Calif. Roller cultivator. 1,696,654; Dec. 25.
- Stem, Russel W., Allentown, Pa. Friction drive. 1,692,909; Nov. 27.
- Stember, Bernard, New York, N. Y. Bag fastener. Des. 76,646; Oct. 16.
- Stember, Bernard, New York, N. Y. Leather or similar article. Des. 77,333; Dec. 25.
- Stember, Bernard, New York, N. Y. Bag fastener. 1,677,154; July 17.
- Stemper, Clarence N., et al. (See Schenk, Otto, assignor.)
- Stemplerwerk G. m. b. H. (See Ludwig, Hans, assignor.)
- Stenberg, Arvid E., Reed City, Mich. Resilient wheel. 1,692,001; Nov. 20.
- Stender, Waldemar, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Steam boiler. 1,678,235; July 24.
- Stenger, Ernest, and N. R. Love, Denver, Colo. Railway-track construction. 1,668,988; May 8.
- Stenger, Victor R., Chicago, Ill. Intermittent-movement mechanism. 1,676,117; July 3.
- Stennard, Dorothy, Palo Alto, Calif. Doll. Des. 76,359; Sept. 18.
- Stenning, William W., London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of coal. 1,655,849; Jan. 10.
- Stenpho Company, The. (See Cosner, Calvin C., assignor.)
- Stensland, Iver N., Ketchikan, Alaska. Anchor hoist. 1,661,275; Mar. 6.
- Stenz, Bernard F., assignor to Simplex Sampling Association, Inc., New York, N. Y. Displaying samples. 1,688,249; Oct. 16.
- Stenzel, Emil E. (See Russell, E. A., and Stenzel.)
- Stephan, Emil, assignor to W. H. Gast, Bridgman, Mich. Spray gun and operating the same. 1,661,239; Mar. 6.
- Stephan, Karl, Berlin-Charlottenburg, assignor to the firm Chemische Fabrik auf Actien (vorm. E. Schering.), Berlin, Germany. Printing ink. 1,689,368; Oct. 30.
- Stephan, Frank J., assignor to H. B. Rouse & Company, Chicago, Ill. Shaving plane. 1,681,018; Aug. 14.
- Stephens, Andrew J., Kansas City, Mo. Rubber stop sign. 1,676,843; July 10.
- Stephens, Charles T., assignor to G. S. Angus, Chicago Heights, Ill. Striker device for player pianos. 1,680,820; Aug. 14.
- Stephens, Elton S., Chicago, Ill. Filter. 1,696,367; Dec. 25.
- Stephens, Howard O., Pittsfield, Mass., assignor to General Electric Company. Heat radiator. 1,693,324; Nov. 27.
- Stephens, Joseph J. (See Turner, O. M., and Stephens.)
- Stephens, Rodway, Liquidator of The Pirbright Company, Limited (in liquidation). (See Lumsden, William G. G. P., assignor.)
- Stephens, Wesley M. (See Hankison, L. E., and Stephens.)
- Stephens, William A. (See Huxley, J. H., and Stephens.)
- Stephens, William A. (See Woeste, Louis B., assignor.)
- Stephenson, D. K. (See Keith, Charles W., assignor.)
- Stephenson, Henry L., Buffalo, N. Y. Valve. 1,684,603; Sept. 18.
- Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Sewing-machine-bobbin winder. 1,681,559; Aug. 21.
- Stephenson, Jay G., Athens, Tenn. Combined protective and signaling device. 1,663,358; Mar. 20.
- Stephenson, Joseph, Hamilton, Ontario, Canada. Coke oven. 1,656,841; Jan. 17.
- Stephenson, Ralph W., Davenport, Iowa. Sound post for violins. 1,695,733; Dec. 18.
- Stephenson, Robert J., Chicago, Ill. Roof flashing. 1,678,715; July 31.
- Stephenson, Robert J., Chicago, Ill. Roof flashing. 1,686,881; Oct. 9.
- Stephenson, Samuel E., Atlanta, Ga. Sampling apparatus. 1,679,064; July 31.
- Stephenson, William B., Chicago, Ill. Roof flashing. 1,693,440; Nov. 27.
- Stepp, Eddie H., Knoxville, Tenn. Ore separator. 1,685,466; Sept. 25.
- Steppe, Raoul, Nieukerke-Waes, Belgium. Building block. 1,670,286; May 15.
- Steppes, Friedrich E. K., Harburg-on-the-Elbe, assignor to Dr. Heinrich Traun & Söhne, vormals Harburger Gummi-Kamm-Compagnie, Hamburg, Germany. Condensation products obtained from urea and solid polymers of formaldehyde and making such products. 1,658,359; Feb. 7.
- Steps, Robert A., Los Angeles, Calif. Screen pipe. 1,654,618; Jan. 3.
- Sterchi, Louis A. (See Ferguson, Robert O., assignor.)
- Stergianopoulos, Demetrios P., New York, N. Y. Portable lamp attachment. 1,676,934; July 10.
- Sterilizable Tooth Brush Container Company. (See Frayer, Harry C., assignor.)
- Sterk, John P., Dollar Bay, Mich. Manufacturing jewelry. 1,679,180; July 31.
- Sterk, William E., and E. G. Hansen, Los Angeles, Calif.: said Hansen assignor to Claude B. Durst. Cutting tool for earth, rock, and stone. 1,671,052; May 22.
- Sterling, Albert J. (See Batchelor, Harold, assignor.)
- Sterling, Bernard A., assignor to Western Hair Goods Co., Chicago, Ill. Fastening device. 1,654,560; Jan. 3.
- Sterling Bronze Company. (See Roth, Louis, assignor.)
- Sterling, Frederick W., and H. L. Crocker, Philadelphia, Pa., assignors to B. H. Dyer Company. Chemical heat storage. 1,656,366; Jan. 17.
- Sterling, George H. (See Sterling, Laurence B., assignor.)
- Sterling Jewelry Company, The. (See Cramer, Harry I., assignor.)
- Sterling, John R., London, England. Apparatus for extraction of water, oil, and fatty matter from solid material. 1,694,361; Dec. 4.
- Sterling, Laurence B., assignor to G. H. Sterling, Minneapolis, Minn. Motor heater. 1,684,157; Sept. 11.
- Sterling Motor Truck Company. (See Wollensak, A. C., Jacobs, and Baldus, assignors.)
- Sterling Novelty Mfg. Co., The. (See Draher, J., and Krieger, assignors.)
- Sterling Range & Furnace Corporation. (See Rogers, Robert W., assignor.)
- Sterling, Raymond E. (See Galloway, R. M., and Sterling.)
- Sterling, Raymond E., and H. W. Rockhoff, Richmond, Ind., and E. C. Hopkins, Norwood, Mass., assignors to The National Automatic Tool Company, Richmond, Ind. Spindle bushing plate. 1,660,363; Feb. 28.
- Sterling, Sidney, Los Angeles, Calif. Portable barber's chair. 1,671,556; May 29.
- Sterling Telephone & Electric Company Limited, The. (See Blades, N., and Marks, assignors.)
- Sterling Varnish Company, The. (See Barord, Paul J., assignor.)
- Stern, Charles, and J. J. Carlock, assignors to B-S Manufacturing Corporation, Jersey City, N. J. Railway journal-oiling device. 1,689,411; Oct. 30.
- Stern, David, Dorchester, Mass. Closure. 1,667,084; Apr. 24.
- Stern, Ernst, Charlottenburg, Germany. Making starch products. 1,661,201; Mar. 6.
- Stern, Isidore, New Rochelle, N. Y. Denture attachment. 1,680,305; Aug. 14.
- Stern, Isidore, New Rochelle, N. Y. Denture attachment. 1,680,307; Aug. 14.
- Stern, Jacob L. (See Hanau, Rudolph L., assignor.)
- Stern, Joseph, New York, N. Y. Cigar holder and ash receiver. 1,665,612; Apr. 10.
- Stern, Louis, Philadelphia, Pa., assignor to Louis Stern Company, Providence, R. I. Wrist-watch bracelet. Des. 74,581; Feb. 28.
- Stern, Louis, Woodmere, assignor to The De Luxe Clock & Mfg. Co., Inc., New York, N. Y. Clock crystal. 1,692,424; Nov. 20.
- Stern, Louis, Co. (See Jones, Percival W., assignor.)
- Stern, Louis, Company. (See Stern, Louis, assignor.)
- Stern, Marc, Flint, Mich., assignor to Doebler Die-Casting Company. Die-casting apparatus. 1,693,164; Nov. 27.
- Stern, Max. (See Jamison, Gus A., assignor.)
- Stern, Max. (See Ruhnauf, Richard, assignor.)
- Stern, Maximilian, New York, N. Y. Method and apparatus for surgical resection. 1,679,950; Aug. 7.
- Stern, Ottokar, Vienna, Austria. Arrangement for laying foundations. 1,681,689; Aug. 21.
- Stern, Samuel. (See Klass, M., and Stern.)
- Stern, Sidney. (See Simon, Leo, assignor.)
- Stern, Solomon. (See Vermes, A., Stern, and Grodzicker.)
- Sternaman, Edward C., Chicago, Ill. Calk for athletic shoes. 1,686,775; Oct. 9.
- Sternberg, Carrie, Philadelphia, Pa. Candle stand. Des. 75,080; May 1.
- Sternberg, Ernst J., Chicago, Ill. Dough-molding device. 1,658,864; Feb. 14.
- Sternberg, Francis G., New York, N. Y., assignor to Henry Hope & Sons, Ltd., Smethwick, Birmingham, England. Self-locking glass-retaining strips. 1,654,619; Jan. 3.
- Sternberg, Irving C., New York, N. Y., assignor to Arctic Nu-Air Corporation, Chicago, Ill. Ventilating apparatus. 1,695,784; Dec. 18.
- Sternberg, Marc, and E. J. Berger, Philadelphia, Pa., assignor to said Sternberg. Pattern mechanism for knitting machines. 1,674,532; June 19.
- Sterner, Howard S., and R. J. Dietrich, Columbus, Ohio. Subframe for windows, doors, and the like. 1,672,435; June 5.
- Sterns, Morton W., Jamaica, N. Y. Wireless telephone system. 1,693,354; Nov. 27.
- Sternthal, Felix, Chicago, Ill. Silverware container. 1,673,602; June 12.
- Sternthal, Felix, Chicago, Ill. Silverware container. 1,679,101; July 31.
- Stetson-Ross Machine Company. (See Webb, Orra W., assignor.)
- Stetson Shoe Company, The. (See Scudder, Eliot R., assignor.)
- Stettner, Morris, New York, N. Y. Radiocabinet or similar article. Des. 74,586; Feb. 28.
- Stettner, Morris, Brooklyn, N. Y. Radiocabinet or similar article. Des. 76,430; Sept. 25.
- Stettner, Morris, Brooklyn, N. Y. Radiocabinet or similar article. Des. 76,431; Sept. 25.
- Stewart, Douglas S. S., London, England. Telephone accessory. 1,675,622; July 3.
- Stewart, Douglas S. S., London, England. Flexible supporting device. 1,675,672; July 3.
- Steuer, August, New York, N. Y. Chuck. 1,656,450; Jan. 17.

- Steurer, John H., assignor of one-half to L. C. Henkel, Rockville Center, N. Y. Thermoelectric transformer. 1,666,919; Apr. 24.
- Stevee, Joseph J., et al. (See Keck, Max, assignor.)
- Stevens, Arthur, Buffalo, N. Y. Drum-cleaning machine. 1,690,753; Nov. 6.
- Stevens, Arthur, Jacksonville, Fla. Folding square. 1,668,290; May 1.
- Stevens, Arthur L., assignor to Arthur L. Stevens Corporation, Chicago, Ill. Operating open-hearth furnaces. 1,677,664; July 17.
- Stevens, Arthur L., Corporation. (See Stevens, Arthur L., assignor.)
- Stevens, B. M., et al. (See Dokkenwadel, Frederick G., assignor.)
- Stevens, Bertram J., Los Angeles, Calif., assignor to Good-Ad, Inc. Pencil holder for telephone instruments. 1,680,533; Feb. 28.
- Stevens, Charles W. (See King, D. H., Dowd, and Stevens.)
- Stevens, Charles W., Columbus, Ohio. Adjustable-plug valve. 1,694,403; Dec. 11.
- Stevens, Charles W., Bexley, Ohio. Lubricated adjustable-plug valve. 1,694,404; Dec. 11.
- Stevens, Clarence E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Seat construction. 1,664,835; Apr. 3.
- Stevens, Delmar A., Chicago, Ill. Shoe box. 1,691,533; Nov. 13.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Spring handle for drills. 1,656,301; Jan. 17.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 1,668,829; May 8.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Fluid-pressure percussive drill. 1,668,830; May 8.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Shaft packing. 1,681,444; Aug. 21.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic hammer. 1,689,805; Oct. 30.
- Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Tool retainer. 1,690,559; Nov. 6.
- Stevens, Enoch P., Chicago, Ill., and R. J. Himmelright, New York, N. Y., said Himmelright assignor to American Arch Company, and said Stevens assignor to American Arch Company. 1,656,963; Jan. 24.
- Stevens, Enoch P., deceased, Chicago, Ill., M. A. Stevens, executrix. Self-sustaining furnace arch. 1,685,617; Sept. 25.
- Stevens, Fred N., Salem, Va. Roofing tongs. 1,676,844; July 10.
- Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and making the same. 1,664,093; Mar. 27.
- Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle temple and making the same. 1,664,094; Mar. 27.
- Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,664,095; Mar. 27.
- Stevens, Frederick A., Providence, R. I., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,687,954; Oct. 16.
- Stevens, Frederick A., and J. W. Welsh, Providence, R. I., assignors, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and method. 1,668,091; May 1.
- Stevens, Harry P., New York, N. Y. Internal-combustion engine. 1,662,908; Mar. 20.
- Stevens, Harry R., W. S. Parker, F. W. Shupert, and J. C. Benson, Sanford, Fla. Superheater. 1,685,726; Sept. 25.
- Stevens, Herbert A., Englewood, N. J. Line finder. 1,658,499; Feb. 7.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tread-removing machine. 1,665,193; Apr. 3.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Band-building machine. 1,685,194; Apr. 3.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Cutter. 1,670,171; May 15.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Flap-trimming machine. 1,676,807; July 10.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Stock-wind-off mechanism. 1,681,064; Aug. 14.
- Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for resurfacing solid tires. 1,687,465; Oct. 9.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Cutting device. 1,693,531; Nov. 27.
- Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tube-splicing machine. 1,694,238; Dec. 4.
- Stevens, J. & E. Company, The. (See Frisbie, Russell A., assignor.)
- Stevens, Jennie E., Ben Lomond, assignor of one-half to A. L. Hoke, Oakland, Calif. Artificial flower. 1,657,184; Jan. 24.
- Stevens, John A., assignor to Stevens Products Co., Lowell, Mass. Shock absorber. 1,655,201; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Device for absorbing shocks. 1,655,202; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Shock absorber. 1,655,203; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Cushioning means for vehicles. 1,655,204; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Shock absorber. 1,655,205; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Shock absorber. 1,655,206; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Shock absorber. 1,655,207; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Shock absorber. 1,655,208; Jan. 3.
- Stevens, John A., assignor to Stevens Products Company, Lowell, Mass. Shock absorber. 1,655,209; Jan. 3.
- Stevens, John A., Lowell, Mass., assignor to Stevens Products Company. Shock absorber. 1,655,210; Jan. 3.
- Stevens, John L., Chandler, Ariz. Signal. 1,683,496; Sept. 4.
- Stevens, John P., Long Beach, and G. A. C. Bailey; said Bailey assignor to L. Parenteau, Los Angeles, Calif. Automobile service indicator. 1,693,828; Dec. 4.
- Stevens, Leslie. (See Burch, George B., assignor.)
- Stevens, Leslie, Glen Ridge, N. J., assignor to Stevens Manufacturing Corporation, New York, N. Y. Loud-speaker diaphragm. Des. 76,266; Sept. 4.
- Stevens, Leslie, Glen Ridge, N. J., assignor to Stevens Manufacturing Corporation, New York, N. Y. Loud-speaker diaphragm. Des. 76,267; Sept. 4.
- Stevens, Leslie, Glen Ridge, N. J., assignor to Stevens Manufacturing Corporation, New York, N. Y. Loud-speaker diaphragm. Des. 77,263; Dec. 18.
- Stevens, Leslie, Glen Ridge, N. J. Container and making same. 1,669,266; May 8.
- Stevens Manufacturing Corporation. (See Stevens, Leslie, assignor.)
- Stevens, Mary A., executrix. (See Stevens, Enoch P.)
- Stevens, Norman F., Los Angeles, Calif. Lighting fixture. 1,662,136; Mar. 13.
- Stevens, P. Wilmer, Irvington, assignor to Rel-Engineering Co., Newark, N. J. Oil burner. 1,660,055; Feb. 21.
- Stevens Partition & Floor Deadener Company. (See Murphy, Everett N., assignor.)
- Stevens Products Co. (See Stevens, John A., assignor.)
- Stevens, Richard H., Melrose Park, Pa., assignor to Bethlehem Steel Company. Furnace and method of operating the same. 1,689,563; Oct. 30.
- Stevens, Victor H. (See Hartmann, Anton V., assignor.)
- Stevens, Walter E., and T. R. Seiple, Ashley, Pa. Automobile trouble lamp. 1,661,313; Mar. 6.
- Stevens, William C., Akron, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-making machine. 1,654,845; Jan. 3.
- Stevens, William C., Summit, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-making machine. 1,657,846; Jan. 31.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-making mechanism. 1,658,782; Feb. 7.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-building machine. 1,671,940; May 29.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Apparatus for building tires. 1,671,941; May 29.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-making machine. 1,686,043; Oct. 2.
- Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Device for trimming rubber strips. 1,687,466; Oct. 9.
- Stevens, William C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit controller. 1,660,399; Feb. 28.
- Stevens, William C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Exterior operating mechanism for circuit-controlling devices. 1,660,400; Feb. 28.
- Stevens, William C., Milwaukee, Wis., assignor, by mesne assignments, to Vulcan Motor Devices Company. Power-transmission system. 1,665,825; Apr. 10.
- Stevens, William C., and A. Simon, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Alternating-current electromagnetically-operated device. 1,674,747; June 26.
- Stevens, William C., and H. J. Taylor, Milwaukee, Wis., assignors, by mesne assignments, to Vulcan Motor Devices Company. Gear-shifting mechanism. 1,682,024; Aug. 28.

- Stevenson, Alexander R., jr., Schenectady, N. Y., assignor to General Electric Company. Automatic circuit controller. 1,684,249; Sept. 11.
- Stevenson, Arthur G., Ottawa, Kans. Kafir-corn header. 1,685,507; Sept. 25.
- Stevenson, Edward E., assignor to D. & B. Pump and Supply Company, Los Angeles, Calif. Pump-rod-suspension device. 1,658,212; Feb. 7.
- Stevenson, Edward B., assignor to D & B Pump and Supply Company, Los Angeles, Calif. Hoisting hook. 1,667,957; May 1.
- Stevenson, Emmett A., Elizabeth, N. J. Automobile hood latch. 1,669,356; May 8.
- Stevenson, Faye A., Lancaster, Ohio. Perpetual calendar. 1,692,392; Nov. 20.
- Stevenson, Francis E., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic brick press. 1,654,761; Jan. 3.
- Stevenson, George E., Indianapolis, Ind. Steel door. 1,681,958; Aug. 28.
- Stevenson, Henry J., assignor to Davis & Furber Machine Co., North Andover, Mass. Fillet drum and stand. 1,679,065; July 31.
- Stevenson, James W., Riverside, Calif. Ladder. 1,683,422; Sept. 4.
- Stevenson, Ralph C., Brooklyn, assignor, by mesne assignments, to Gilman Fanfold Corporation, Limited, Niagara Falls, N. Y. Making continuous manifold forms. 1,687,905; Oct. 16.
- Stevenson, Robert J., and H. T. Colby, Los Angeles, Calif. Smoker's stand. 1,660,771; Feb. 28.
- Stevenson, Robert P., assignor to Henry L. Scott Company, Providence, R. I. Stretch-testing machine. 1,656,246; Jan. 17.
- Stevenson, Robert P., assignor to Henry L. Scott Company, Providence, R. I. Testing machine. 1,679,751; Aug. 7.
- Stevenson, Robert R., assignor to Electrical Development & Machine Company, Philadelphia, Pa. Disconnecting switch. 1,679,184; July 31.
- Stevenson, Thomas A. M., Winston-Salem, N. C. Water heater. 1,664,330; Mar. 27.
- Stevenson, William B. (See Kieffer, E. T., and Stevenson.)
- Stevenson, William M. (See Swangren, Edwin V., assignor.)
- Stevens, Herbert J. A., New York, N. Y. Game board. 1,666,359; Apr. 17.
- Steward, Alden A., Rutland, Vt. Oil-burning system. 1,681,065; Aug. 14.
- Stewart, Alexander, jr. (See Nordling, W. G., and Stewart.)
- Stewart, Alexander B., assignor to The Alexander B. Stewart Organization, Los Angeles, Calif. Merchandise package. 1,673,956; June 19.
- Stewart, Alexander B., Organization, The. (See Stewart, Alexander B., assignor.)
- Stewart, Alexander D., E. Clarke, and R. Vagg, assignors to Mercury Mills, Limited, Hamilton, Ontario, Canada. Splicing attachment for knitting machines. 1,670,389; May 22.
- Stewart, Alfred C., deceased. Pasadena, Calif.: W. L. Stewart, executor. Rotary machine. 1,668,532; May 1.
- Stewart, Annie E., administratrix. (See Stewart, William M., assignor.)
- Stewart, Arthur L., Danville, Ill. Rug-sizing frame. 1,685,689; Sept. 25.
- Stewart, Benjamin F., Birmingham, assignor of one-half to A. V. Vines, Bessemer, Ala. Safety razor. 1,693,532; Nov. 27.
- Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Motor-vehicle brake. 1,657,557; Jan. 31.
- Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,657,558; Jan. 31.
- Stewart, Cecil M., Dana, Ind. Valve-grinding tool. 1,655,344; Jan. 3.
- Stewart, Clarence R., Monterey Park, Calif., assignor to Peabody Engineering Corporation, New York, N. Y. Fuel burner. 1,671,494; May 29.
- Stewart, Clarence R. G., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Annealing. 1,673,271; June 12.
- Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Lens-attachment mount for photographic apparatus. 1,688,441; Oct. 23.
- Stewart, Douglas M., New York, N. Y. Shade holder for candles. 1,664,001; Mar. 27.
- Stewart, Edward, and J. G. Warren, Hamilton, Ontario, Canada. Lens stop or diaphragm. 1,664,137; Mar. 27.
- Stewart, Floyd R., et al. (See Duksmith, Frank H., assignor.)
- Stewart, Franklin W., Chicago, Ill. Combined steering wheel and ignition lock. 1,676,416; July 10.
- Stewart, George W., Iowa City, Iowa, assignor to American Telephone and Telegraph Company. Acoustic wave filter. 1,692,317; Nov. 20.
- Stewart, Hampton, et al. (See Smith, Luther, assignor.)
- Stewart, Harry C., Webster, Ky. Helicopter. 1,681,019; Aug. 14.
- Stewart, Henry C., assignor to The Westmoreland Chemical & Color Company, Philadelphia, Pa. Making copers. 1,667,693; Apr. 24.
- Stewart Iron Works Company, The. (See Koesters, George J., assignor.)
- Stewart Iron Works Company, The. (See Stewart, Richard C., assignor.)
- Stewart Iron Works Company, The. (See Young, C. F., and Ries, assignors.)
- Stewart, James A., assignor to American Can Company, New York, N. Y. Attaching keys to key opening cans. 1,690,800; Nov. 6.
- Stewart, John H., Cincinnati, Ohio. Rotary fuel-burner assembly. 1,673,302; June 12.
- Stewart, John R., Rydal, Pa. Method of and machine for blending fibers. 1,675,916; July 3.
- Stewart, Laurence G., St. Louis, Mo. Ring. Des. 76,209; Aug. 28.
- Stewart, Lawrence L., Kansas City, Mo. Transmission. 1,680,306; Aug. 14.
- Stewart Manufacturing Company. (See Stewart, Roy N., assignor.)
- Stewart Manufacturing Corporation. (See Jerome, George C., assignor.)
- Stewart, Richard C., assignor to The Stewart Iron Works Company, Covington, Ky. Fence. 1,656,024; Jan. 10.
- Stewart, Robert, New York, N. Y. Dispensing applicator. 1,685,727; Sept. 25.
- Stewart, Robert S., Chicago, Ill., assignor to The American Brake Shoe & Foundry Company, New York, N. Y. Annealing pot. 1,685,966; Oct. 2.
- Stewart, Romaine B., Crows Landing, Calif. Battery terminal clamp. 1,662,346; Mar. 13.
- Stewart, Roy E., Brentford, S. Dak. Road scraper. 1,667,173; Apr. 24.
- Stewart, Roy N., Natick, assignor to Stewart Manufacturing Company, Boston, Mass. Bottle cap. 1,683,313; Sept. 4.
- Stewart, Vernon T. (See Ellis, C., and Stewart.)
- Stewart, W. L., executor. (See Stewart, Alfred C.)
- Stewart, Walter H., Quincy, Mass. Rope clamp. 1,686,581; Oct. 9.
- Stewart Warner Speedometer Corporation. (See Bossi, Enea, assignor.)
- Stewart-Warner Speedometer Corporation. (See Hedemark, Edward L., assignor.)
- Stewart-Warner Speedometer Corporation. (See Lillyquist, John, assignor.)
- Stewart-Warner Speedometer Corporation. (See Manning, Fred W., assignor.)
- Stewart-Warner Speedometer Corporation. (See Muzzy, William H., assignor.)
- Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
- Stewart-Warner Speedometer Corporation. (See Rava, Alexander, assignor.)
- Stewart-Warner Speedometer Corporation. (See Rockwell, Edward A., assignor.)
- Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
- Stewart-Warner Speedometer Corporation. (See Searles, Volney A., assignor.)
- Stewart-Warner Speedometer Corporation. (See Smith, Charles B., assignor.)
- Stewart-Warner Speedometer Corporation. (See Spackman, Thomas F., assignor.)
- Stewart-Warner Speedometer Corporation. (See Sussin, Victor, assignor.)
- Stewart-Warner Speedometer Corporation. (See Van Guilder, Walter, assignor.)
- Stewart-Warner Speedometer Corporation. (See West, Frank W., assignor.)
- Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)
- Stewart-Warner Speedometer Corporation. (See Wood, Andrew C., assignor.)
- Stewart, William C., Lamar, S. C. Gate latch. 1,671,876; May 29.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,655,442; Jan. 10.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,661,391; Mar. 6.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gauging mechanism. 1,672,139; June 5.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,676,297; July 10.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sorting machine. 1,682,809; Sept. 4.
- Stewart, William E., assignor to Eisele & Company, Nashville, Tenn. Syringe shield. 1,667,273; Apr. 24.
- Stewart, William M., deceased. Albany, N. Y.; A. E. Stewart, administratrix. Tire pump. 1,679,505; Aug. 7.
- Sthamer, Erich M. A., Hamburg, Germany. Foam-producing composition. 1,696,507; Dec. 25.
- Stiattesi, Raffaello, Castello, Florence, Italy. Interliner. 1,672,008; June 5.
- Stickell, John H., Williamson, Pa. Horseshoe. 1,658,865; Feb. 14.
- Stickings, Ralph W. E., Surry, assignor to May & Baker Limited, London, England. Manufacture of basic bismuth salts of aryl-arsinic acids. 1,669,542; May 15.

- Stickle, Cole, Indianapolis, Ind. Automatic steam control and differential for paper machines. 1,674,845; June 26.
- Stickle Steam Specialties Company. (See Guenther, Charles J., assignor.)
- Stickler, Gilbert E., assignor of one-third to J. F. Lawrence, Okmulgee, Okla. Glass melting and refining tank. 1,668,700; May 8.
- Stickler, Walter H., assignor to The National Screw and Manufacturing Company, Cleveland, Ohio. Automatic feed for metal-working machines. 1,668,787; May 8.
- Stickley, Leopold, and G. I. Taylor, Syracuse, assignors to Stickley Manufacturing Company, Eastwood, N. Y. Convertible bed. 1,684,851; Sept. 18.
- Stickley Manufacturing Company. (See Stickley, L., and Taylor, assignors.)
- Stickney, Burnham C., Elizabeth, N. J. Typewriter cabinet. 1,661,392; Mar. 6.
- Stickney, Burnham C., Elizabeth, N. J. Paper corrugating and crinkling. 1,661,393; Mar. 6.
- Stickney, Burnham C., Rutherford, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,668,175; May 1.
- Stickney, Burnham C., Rutherford, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,668,176; May 1.
- Stickney, Burnham C., Portsmouth, N. H., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,671,053; May 22.
- Stickney, Burnham C., Portsmouth, N. H., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,951; Aug. 7.
- Stickney, Burnham C., Portsmouth, N. H., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,952; Aug. 7.
- Stickney, Burnham C., Portsmouth, N. H., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,483; Aug. 14.
- Stickney, Burnham C., Portsmouth, N. H., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,683,582; Sept. 4.
- Stickney, Burnham C., Portsmouth, N. H. Gas engine. 1,691,944; Nov. 20.
- Stickney, Burnham C., Portsmouth, N. H., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,693,533; Nov. 27.
- Stickney, Charles A., Rockford, Ill., assignor to The National Automatic Tool Company, Richmond, Ind. Combined drilling and tapping machine. 1,670,287; May 15.
- Stickney, Charles A., assignor to Stickney Hydraulic Co., Rockford, Ill. Hand-controlled water softener. 1,689,308; Oct. 30.
- Stickney, Charles A., assignor to Stickney Hydraulic Co., Rockford, Ill. Water-softener injector. 1,692,592; Nov. 20.
- Stickney Expansion Drill & Manufacturing Company. (See Whitesitt, Edgar C., assignor.)
- Stickney, Fernald S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature-measuring device. 1,695,867; Dec. 18.
- Stickney Hydraulic Co. (See Stickney, Charles A., assignor.)
- Stiefel, Ludwig. (See Miller, Melcher, assignor.)
- Stiegart, Leo, et al. (See Bender, Frank J., assignor.)
- Stieger, Karl, Graz, Austria, assignor to Felice Bensa, Genoa, Italy. Manufacturing dinitro derivatives of perylene and its compounds. 1,688,837; Oct. 23.
- Stieglitz, Henry M., assignor to Frank Adam Electric Co., St. Louis, Mo. Outlet box. 1,676,298; July 10.
- Stiemke, Walter H. (See Jett, George C., assignor.)
- Stier, Hermann, Herne, Germany. Metal truck. 1,671,453; May 29.
- Stier, Otto. (See Peters, W., Stier, and Kalinowsky.)
- Stiert, Ralph B., Sapulpa, Okla. Automatic headlight. 1,666,151; Apr. 17.
- Stiles, Douglas S., assignor to Premier Cushion Spring Company, Detroit, Mich. Rim-frame construction. 1,677,500; July 17.
- Stiles, Edward M., Burlington, Iowa, assignor to U. S. Slicing Machine Company. Slicing machine. 1,662,214; Mar. 13.
- Stiles, Edward M., Burlington, Iowa, assignor to U. S. Slicing Machine Company. Slicing machine. 1,662,215; Mar. 13.
- Stiles, Lorren, Woodbury, N. J. Beater. 1,683,497; Sept. 4.
- Stillman, Albert L., Plainfield, N. J., assignor to The General Fuel Briquette Corporation, New York, N. Y. Manufacturing fuel briquettes. 1,664,998; Apr. 3.
- Stillman, Albert L., Plainfield, N. J., assignor to The General Fuel Briquette Corporation, New York, N. Y. Briquette and making the same. 1,677,994; July 24.
- Stillman, Reginald C. B. (See Hele-Shaw, H. S., Stillman, and Pickard.)
- Stillwagon, John J., Jersey City, N. J. Scraper. 1,678,488; July 24.
- Stimpson, Edwin B., Company. (See Lupien, Louis A., assignor.)
- Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Cushion-tufting and rivet-setting machine. 1,660,941; Feb. 28.
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-feeding mechanism. 1,667,397; Apr. 24.
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-feeding mechanism. 1,667,398; Apr. 24.
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-feeding mechanism. 1,667,399; Apr. 24.
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-feeding mechanism. 1,667,400; Apr. 24.
- Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Feed mechanism. 1,684,747; Sept. 18.
- Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,687,467; Oct. 9.
- Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Spring for thread-cutting loom temples. 1,693,942; Dec. 4.
- Stimpson, Walter F. (See Dryden, William W., assignor.)
- Stimpson, Walter F., Louisville, Ky. Scale. 1,654,620; Jan. 3.
- Stimpson, Walter F., Louisville, Ky. Scale. 1,659,123; Feb. 14.
- Stimpson, Walter F., Louisville, Ky. Beam scale. 1,689,976; Oct. 30.
- Stimpson, Walter F., and W. E. Finch, Louisville, Ky.; said Finch assignor to said Stimpson. Scale. 1,662,403; Mar. 13.
- Stimson, Frank G., Long Island, assignor to Yale Electric Corporation, New York, N. Y. Extra-bulb carrier. 1,880,484; Aug. 14.
- Stimson, John F., Aulander, N. C. Post. 1,681,020; Aug. 14.
- Stimson, Jonathan C., St. Louis, Mo. Reflecting device. 1,671,086; May 22.
- Stinchfield, Ray L., assignor to Eastman Kodak Company, Rochester, N. Y. Power-driven camera with motor signal. 1,683,314; Sept. 4.
- Stinchfield, Ray L., assignor to Eastman Kodak Company, Rochester, N. Y. Making antistatic nitrocellulose films. 1,683,315; Sept. 4.
- Stine, Charles M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition containing rubber and drying oils and making same. 1,663,100; Mar. 20.
- Stine, Charles M. A., and C. Coolidge, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions and making the same. 1,663,101; Mar. 20.
- Stine, Samuel B., Osceola Mills, Pa. Making screens. 1,658,064; Feb. 7.
- Stine, Samuel B., Osceola Mills, Pa. Molding machine. 1,667,296; Apr. 24.
- Stine, Samuel B., Osceola Mills, Pa. Metal-cutting apparatus. 1,694,567; Dec. 11.
- Stineman, Frank L., et al. (See Rich, Frank S., assignor.)
- Stines, Albert H., et al. (See Creighton, Nelson B., assignor.)
- Stinson, Damon E., Portland, Oreg. Reflector. 1,686,476; Oct. 2.
- Stinson, Richard, Gardner, assignor to Heywood-Wakefield Company, Boston, Mass. Baby carriage. 1,684,930; Sept. 18.
- Stinson, Robert, Norristown, Pa. Treating spanish moss. 1,656,842; Jan. 17.
- Strickler, Cary M. (See Chapman, Howard D., assignor.)
- Striss, Jacob, New York, N. Y. Powder box. 1,688,442; Oct. 23.
- Stirling, Sidney, Los Angeles, Calif. Antimarring means for picture frames. 1,675,771; July 8.
- Stirton, David M., San Francisco, Calif. Garment support. 1,689,977; Oct. 30.
- Stites, Joseph D. (See Osten, William H., assignor.)
- Stites, Joseph D., Whitestone, N. Y. Canoe with steerable pontoon. 1,678,023; July 24.
- Stitt Refrigeration Company. (See Stitt, Roscoe R., assignor.)
- Stitt Refrigeration Company. (See Stitt, R. R., and Warrick, assignors.)
- Stitt, Roscoe R., assignor to Stitt Refrigeration Company, Detroit, Mich. Expansion valve. 1,658,951; Feb. 14.
- Stitt, Roscoe R., assignor to Stitt Refrigeration Company, Detroit, Mich. Flywheel and fan construction. 1,669,951; May 15.
- Stitt, Roscoe R., and C. F. Warrick, Detroit, Mich., assignors to Stitt Refrigeration Company. Thermostatic switch. 1,659,058; Feb. 14.
- Stivale, Joseph, assignor to Franklin Lamp Manufacturing Co., Inc., Philadelphia, Pa. Lamp shade. Des. 74,398; Feb. 7.
- Stobrawa, Karl, Gleiwitz, Germany. Preparing pig iron in highly-heated mixers. 1,666,428; Apr. 17.
- Stock, Emil, Bad Flinsberg of Silesia, Germany. Planning stormproof zones around or through wood districts. 1,685,343; Sept. 25.
- Stock, Johann J. F., Munich, Germany. Device for cleaning and smoothing films and the like. 1,676,299; July 10.

- Stock, John J., Philadelphia, Pa. Amusement device. 1,669,104; May 8.
- Stock, Josef, Höchst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Nitro-2,3-dichlor-1,4-naphthoquinone and preparing the same. 1,681,599; Aug. 21.
- Stock, Martin E. (See Flagg, W. L., Wellock, and Stock.)
- Stock Motorflug Aktiengesellschaft. (See Jereczek, Viktor, assignor.)
- Stock, Pauline. (See Wittek, Hermann, assignor.)
- Stock Quotation Telegraph Company. (See Hiltz, G. S., and Purcell, assignors.)
- Stockbower, Mabel Y., Hollis Gardens, N. Y., assignor to Earnshaw Knitting Company, Newton, Mass. Wash cloth. 1,683,110; Sept. 4.
- Stockbridge, George H., Los Angeles, Calif. Vibration damper. 1,675,591; July 3.
- Stockdale, William A., Zanesville, Ohio. Caster. 1,687,113; Oct. 9.
- Stöckemann, Ernst, Berlin-Tempelhof, Germany. Stageless change-speed gearing. 1,676,367; July 10.
- Stocker, Elley A. and W. S., Million, Ky. Plant setter. 1,657,944; Jan. 31.
- Stocker, Ernst, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Increasing the affinity of animal fibers for dyestuffs. 1,662,404; Mar. 13.
- Stocker, George J., St. Louis, Mo. Main distributing water trough for cooling towers and the like. 1,659,926; Feb. 21.
- Stocker, George J., deceased; Mercantile Trust Company, executor, St. Louis, Mo. Water-distributing means for cooling towers and the like. 1,690,092; Oct. 30.
- Stocker, Karl A., Richmond Hill, N. Y. Harness strap for looms. 1,672,505; June 5.
- Stocker, Robert. (See Staudinger, H., Tobler, Stocker, Müller, and Bucher.)
- Stocker, William S. (See Stocker, Elley A. and W. S.)
- Stockfleth, Berger. (See Burger, F. W., and Stockfleth.)
- Stockfleth, Berger, Berrien Springs, and F. W. Burger, Niles, assignors to Clark Tractor Company, Buchanan, Mich. Tlering machine. 1,665,680; Apr. 10.
- Stockham, Jennings B., and J. B. Hickman, Broken Bow, Nebr. Combined display and advertising sign board. Des. 76,562; Oct. 9.
- Stockholder, John H., New Orleans, La. Boiler attachment. 1,664,230; Mar. 27.
- Stockholder, John H., and W. A. Giles, New Orleans, La. Steam-boiler safety device. 1,657,594; Jan. 31.
- Stocking, Bert A., Des Moines, Iowa. Washing-machine gear. 1,663,028; Mar. 20.
- Stocking, Carl E., Princeton, Ky. Fishing reel. 1,662,347; Mar. 13.
- Stocking, Walter H., assignor to Pittsburgh Forgings Company, Coraopolis, Pa. Reclaiming of worn car axles. 1,696,217; Dec. 25.
- Stockhausen, Charles L. (See Ford, Horace, assignor.)
- Stockmeyer, Frederick W., Cincinnati, Ohio. Testing method and apparatus. 1,667,401; Apr. 24.
- Stockov, Max, New York, N. Y., assignor of one-half to M. Sherr, Philadelphia, Pa. Vehicle, stop. 1,685,467; Sept. 25.
- Stocks, David, Edinburg, Scotland. Pouch bag, or pocket. 1,669,791; May 15.
- Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Thermostatic cut-off. 1,664,331; Mar. 27.
- Stockton, Richard A., Beverly, Mass. Profile gauge. 1,665,721; Apr. 10.
- Stockton, Wholston V., jr., Albany, assignor to American Meter Company, Incorporated, New York, N. Y. Meter. 1,666,075; Apr. 17.
- Stockton, William S., Roanoke, Va. Detachable handle for receptacles. 1,680,182; Aug. 7.
- Stockwell, William R., Michigan City, Ind. Boiler construction. 1,671,135; May 29.
- Stoddard, Charles F., assignor to American Piano Company, N. Y. Expression mechanism for automatic musical instruments. 1,660,631; Feb. 28.
- Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Automatic musical instrument. 1,660,632; Feb. 28.
- Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Automatic musical instrument. 1,665,863; Apr. 10.
- Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Automatic player piano. 1,681,889; Aug. 21.
- Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Manufacturing note sheets. 1,682,690; Aug. 28.
- Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Automatic musical instrument. 1,689,250; Oct. 30.
- Stoddard, Edgar R., and L. C. Zilky, assignors to The Studebaker Corporation, South Bend, Ind. Glass-grinding machine. 1,663,320; Mar. 20.
- Stoddard, Hart A., Saugatuck, Conn., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press timer. 1,663,526; Mar. 20.
- Stoddard, Hart A., Saugatuck, Conn., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press timer. 1,663,527; Mar. 20.
- Stoddard, Wallace W., Bingham, Me., assignor to United Shank & Findings Company, Boston, Mass. Woodworking machinery. 1,692,230; Nov. 20.
- Stoddard, William B., Stamford, Conn., and V. R. Kokatnur, New York, N. Y., assignors to Pilot Laboratory, Inc., Arlington, N. J. Process of and composition for bleaching. 1,684,803; Oct. 16.
- Stoddard, William B., Stamford, Conn., and V. R. Kokatnur, New York, N. Y., assignors to Pilot Laboratory, Inc., Arlington, N. J. Process of and composition for bleaching. 1,687,804; Oct. 16.
- Stoddard, William B., Stamford, Conn., and V. R. Kokatnur, assignors to Pilot Laboratory, Inc., Arlington, N. J. Bleaching foodstuffs. 1,687,805; Oct. 16.
- Stoddard, William O., jr., Detroit, Mich., assignor to Duratex Corporation, Newark, N. J. Coated fabric and making same. 1,664,866; Apr. 3.
- Stoecker, Julius, and A. Klein, Bochum, assignors to Askania-Werke A.-G. vormalis Centralwerkstatt Dessau and Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Burner for air heaters. 1,656,542; Jan. 17.
- Stoeffler, Ralph F., St. Louis, Mo. Thumb rest and stroke-control device for golf clubs. 1,694,992; Dec. 11.
- Stoehr, Washington A., Reserve Township, Allegheny County, Pa. Wall-veneering material. 1,688,405; Oct. 23.
- Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus for effecting energization control of an electric circuit. 1,661,740; Mar. 6.
- Stoekle, Erwin R., Milwaukee, Wis., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making electron-emitting means. 1,668,742; May 8.
- Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Resistance unit. 1,693,825; Dec. 4.
- Stoeltzlen, Leo V., assignor to Reed Manufacturing Company, Erie, Pa. Diestock. 1,692,353; Nov. 20.
- Stoessel, Loretta, Ottumwa, Iowa. Cushion covering for mop handles. 1,684,604; Sept. 18.
- Stoetzel, Joseph J., New York, N. Y., assignor to G. & G. Atlas Systems, Inc. Self-regulating gravity-discharge terminal. 1,666,758; Apr. 17.
- Stoetzel, Joseph J., Queens, assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Control-valve device for pneumatic-dispatch systems. 1,675,003; June 26.
- Stoetzel, Joseph J., Bellaire, assignor to G. & G. Atlas Systems, Inc., New York, N. Y. Pressure-vacuum system of pneumatic dispatch. 1,695,785; Dec. 18.
- Stoewener, Fritz. (See Wietzel, G., and Stoewener.)
- Stoffregen, Otto G. (See Bemm, Frank W., assignor.)
- Stogdale, Joseph S., Cumberland, Md. Grate. 1,679,692; Aug. 7.
- Stogner, Robert W., Hartsville, S. C. Wave-setting device. 1,674,703; June 26.
- Stöhr, Franz, Essen/Ruhr, Germany. Baking the linings of crucibles. 1,675,735; July 3.
- Stoke, Harvey F., Roanoke, Va. Gasoline-dispensing system. 1,675,231; June 26.
- Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,690,210; Nov. 6.
- Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone-exchange system. 1,695,828; Dec. 18.
- Stokes Arthur H., Owosso, Mich. Bumper bar for vehicles. 1,655,579; Jan. 10.
- Stokes, Arthur H., Owosso, Mich. Bow. 1,672,181; June 5.
- Stokes, Charles L., Los Angeles, Calif. Hub cap. 1,660,728; Feb. 28.
- Stokes, Charles L., assignor of one-half to G. L. Ertz, Los Angeles, Calif. Braking vehicles. 1,667,016; Apr. 24.
- Stokes, Charles L., Los Angeles, Calif. Inflating and driving an aerial machine and means therefor. 1,677,308; July 17.
- Stokes, Charles L. (See Lienesch, Charles F., assignor.)
- Stokes, Charles L., Los Angeles, Calif. Priming apparatus. 1,693,732; Dec. 4.
- Stokes, Charles L., Los Angeles, Calif. Applying engine explosion pressure. 1,693,733; Dec. 4.
- Stokes, Charles L., Los Angeles, Calif., assignor to C. B. Camp, trustee, Glencoe, Ill. Automatic fuel regulator. 1,694,801; Dec. 11.
- Stokes, Davis L., Jeffersonville, Ga. Portable pulling machine. 1,658,747; Feb. 7.
- Stokes, John C., Caddo Parish, La. Sample-taking device for drilling apparatus. 1,671,136; May 29.
- Stokes, John F., New York, N. Y., assignor to Rainbow Light, Inc. Electrical cut-out. 1,677,692; July 17.
- Stokes, John S. (See Novotny, Emil E., assignor.)
- Stokes, John S. (See Torrison, Egil R., assignor.)
- Stokes, Joseph, Rubber Company, (See Gunkel, Paul O., assignor.)
- Stokes, Joseph, Trench, near Wellington, England. Straw or like cutting machine. 1,690,508; Nov. 6.
- Stokes, Oscar E., Streator, Ill. Automobile fender guard. 1,657,690; Jan. 31.
- Stokes, Robert D., Bristol, Va. Railroad gate. 1,663,184; Mar. 20.
- Stokes & Smith Company. (See De Leeuw, Adolph L., assignor.)

- Stokes and Smith Company. (See Baker, Joseph W., assignor.)
- Stokes and Smith Company. (See Nitsch, C. H., and Baker, assignors.)
- Stokes, William E., Rockville Center, assignor to United States Processes, Inc., New York, N. Y. Treating ores. 1,674,806; June 26.
- Stokoe, Ashley M., St. Paul, Minn. Classifying apparatus. 1,661,858; Mar. 6.
- Stolberg, William. (See Doerr, O. P., and Stolberg.)
- Stoll, Adolf. (See Schmid, A., and Stoll.)
- Stoll, Fred W., Cleveland, Ohio. Grinding tool. 1,663,420; Mar. 20.
- Stollberg, Charles, assignor to American Can Company, New York, N. Y. Container. 1,695,563; Dec. 18.
- Stolle, John W., assignor to The Danbury Unbreakable Tool Corporation, Danbury, Conn. Drilling machine. 1,661,017; Feb. 28.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating system. 1,662,085; Mar. 13.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical control system. 1,663,890; Mar. 27.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Dynamo-electric machine. 1,687,233; Oct. 9.
- Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric regulator. 1,695,035; Dec. 11.
- Stoller, Hugh M., Mountain Lakes, N. J., and E. R. Morton, assignors to Western Electric Company, Incorporated, New York, N. Y. Electric regulator. 1,662,083; Mar. 13.
- Stoller, Hugh M., Mountain Lakes, N. J., and E. R. Morton, assignors to Western Electric Company, Incorporated, New York, N. Y. Electric regulator. 1,662,084; Mar. 13.
- Stoller, Hugh M., Mountain Lakes, N. J., and E. R. Morton, assignors to Western Electric Company, Incorporated, New York, N. Y. Regulator system employing electron-discharge devices. 1,663,891; Mar. 27.
- Stollings, Jesse L., Los Banos, Calif. Concrete mixer and conveyor. 1,659,750; Feb. 21.
- Stolp, Charles, jr., Chicago, Ill., assignor to The Flintkote Company, Boston, Mass. Roofing. 1,666,429; Apr. 17.
- Stoltenberg, Adolph, New York, N. Y. Vegetable cutter. 1,662,036; Mar. 6.
- Stoltenberg, Louis, Oakland, Calif. Neckwear holder. 1,693,826; Dec. 4.
- Stoltenberg, Louis, Oakland, Calif. Combination collar box and neckwear holder. 1,693,827; Dec. 4.
- Stoltz, Cassius A., Lakewood, Ohio, assignor, by mesne assignments, to Plow-Mate Inc. Soil pulverizer. Re17,013; June 26.
- Stoltz, Charles E. (See Schieler, Harry H., assignor.)
- Stoltz, John L., Summer, Ill. Vehicle wheel. 1,673,056; June 12.
- Stoltz, Lawrence C. (See Darby, James K., assignor.)
- Stoltzenberg, Hugo, Hamburg, Germany. Destroying cacti. 1,686,582; Oct. 9.
- Stolz, Friedrich. (See Schirmacher, K., Stolz, Schlichenmaier, and Krohs.)
- Stolz, Joseph, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Disconnecting switch. 1,695,868; Dec. 18.
- Stone, Abraham, and M. Frost, Brooklyn, N. Y. Bag-making machine. 1,688,901; Oct. 23.
- Stone, Charles, Chicago, Ill. Wrench. 1,675,064; June 26.
- Stone, Charles B. (See Coop, W. L., and Stone.)
- Stone, Charles B., assignor to Continuous Train Control Corporation, Detroit, Mich. Valve. 1,664,836; Apr. 3.
- Stone, Charles W., R. R. Bumbaugh, and J. Dan, Los Angeles, Calif.; said Stone assignor to said Bumbaugh and said Dan. Receptacle-filling machine. 1,664,002; Mar. 27.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Hasp lock. Des. 77,264; Dec. 18.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Suitcase lock. Des. 77,265; Dec. 18.
- Stone, Floyd, York, Nebr. Bean harvester. 1,669,917; May 15.
- Stone, Frederick, Spokane, Wash. Earth-boring machine. 1,678,307; July 24.
- Stone, George B., Los Angeles, and F. D. Michaels, Fresno, Calif. Liquid draw-off. 1,677,501; July 17.
- Stone, Herbert G., Bristol, Tenn. Subliming apparatus. 1,683,931; Sept. 11.
- Stone, Herbert G., and B. H. Jacobson, Charleston, W. Va., assignors to E. C. Klipstein & Sons Company, New York, N. Y. Manufacture of useful products by means of Friedel and Crafts reaction. 1,656,575; Jan. 17.
- Stone, Howard B., London, England. Filling post for loose-leaf ledgers and like binders. 1,676,968; July 10.
- Stone, Irving I., Chicago, Ill. Attachment for printing presses. 1,675,582; July 3.
- Stone, Jerome N., Buenos Aires, Argentina, assignor to Bradbury, Stone & Company. Latch. 1,656,994; Jan. 24.
- Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Reactance neutralizing network. 1,674,705; June 26.
- Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Directive antenna array. 1,683,739; Sept. 11.
- Stone, Joseph E. (See Blake, H. D., and Stone.)
- Stone, Junius H. (See Judson, Horace H., assignor.)
- Stone, Nunley H., Kansas City, Mo. Screw-driver attachment. 1,659,671; Feb. 21.
- Stone, Peter, Chicago, Ill. Bridging construction for joists. 1,685,729; Sept. 25.
- Stone, Peter, Detroit, Mich. Ice boat. 1,692,354; Nov. 20.
- Stone, Peter A., Chicago, Ill. Hanger. 1,685,728; Sept. 25.
- Stone, Philip W., Boston, Mass. Brush. 1,664,797; Apr. 3.
- Stone, R. Harry. (See Herbst, W. K., and Stone.)
- Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 74,283; Jan. 17.
- Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Cover paper or the like. Des. 75,454; June 5.
- Stone, Thomas W., assignor to Western Gas Construction Company, Fort Wayne, Ind. Gas-making apparatus. 1,671,093; May 22.
- Stone, Thomas W., and W. Barr, assignors to The Western Gas Construction Company, Fort Wayne, Ind. Water-gas-machine valve-controlling apparatus. 1,670,911; May 22.
- Stone, Walter B., Webster, Mass., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Sawing machine. 1,666,632; Apr. 17.
- Stone, Walter R. (See Losey, J. B., and Stone.)
- Stone & Webster, Inc. (See Pope, Joseph, assignor.)
- Stonebraker, Harold E., assignor to Gleason Works, Rochester, N. Y. Method and mechanism for producing gears. 1,679,636; Aug. 7.
- Stonebraker, Harold E., Rochester, N. Y. Method and apparatus for cutting gears. 1,692,520; Nov. 20.
- Stoneleigh, Duane R. (See Dorman, W. R., Suydam, and Stoneleigh.)
- Stoner, Charles M., assignor to The Wolf Company, Chambersburg, Pa. Automatic sack packer. 1,686,477; Oct. 2.
- Stoner, John H. (See Davidson, James B., assignor.)
- Stoner, Paul, assignor to Landis Tool Company, Waynesboro, Pa. Machine for grinding crank pins. 1,658,539; Feb. 7.
- Stoner, Paul, assignor to Landis Tool Company, Waynesboro, Pa. Grinding machine. 1,663,148; Mar. 20.
- Stoner, Paul, assignor to Landis Tool Company, Waynesboro, Pa. Crowning device for roll-grinding machines. 1,681,794; Aug. 21.
- Stoney Foundry Engineering and Equipment Co., The. (See Stoney, J. T., and Purwin, assignors.)
- Stoney, John T., Cleveland, Ohio. Device for extracting core-reinforcing wires from castings. 1,673,603; June 12.
- Stoney, John T., and K. Purwin, assignors to The Stoney Foundry Engineering and Equipment Co., Cleveland, Ohio. Apparatus for vibrating objects. 1,695,127; Dec. 11.
- Stoody, Winston F., Whittier, Calif. Alloy. 1,671,384; May 29.
- Stoop, William J., Wheeling, W. Va. Metal-scraping apparatus. 1,686,398; Oct. 2.
- Stoops, Buren I., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Impregnating absorptive material for use in explosives. 1,671,792; May 29.
- Stoops, Buren I., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Blasting explosive. 1,671,793; May 29.
- Storbacka, Arne, Vancouver, British Columbia, Canada. Water turbine. 1,665,329; Apr. 10.
- Storch, Henry H. (See Gauger, A. W., and Storch.)
- Storch, Henry H., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Synthesis of organic compounds. 1,681,750; Aug. 21.
- Storch, Henry H., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Synthesis of methanol. 1,681,751; Aug. 21.
- Storch, Henry H., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Synthesis of methanol. 1,681,752; Aug. 21.
- Storch, Henry H., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Synthesis of methanol. 1,681,753; Aug. 21.
- Storck, Frederick W., Somerville, assignor to Standard Mailing Machines Company, Everett, Mass. Inking device. 1,689,177; Oct. 23.
- Storck, Walter, Berlin-Halensee, assignor to Ludw. Loewe & Co. Actiengesellschaft, Berlin, Germany. Circular-grinding machine. 1,685,757; Sept. 25.
- Storey, Leonidas P., St. Paul, Minn., assignor of one-half to Waterson Fire Engine Works. Relief mechanism for pumps. 1,665,382; Apr. 10.
- Storey, Ward B., Brooklyn, N. Y. Leaf-stemming machine. 1,654,998; Jan. 3.
- Storhow, Andrew J., assignor to C. H. Colson, Inc., Elma, Wash. Container. 1,670,694; May 22.
- Stork, Harold E., San Antonio, Tex. Electrical switching mechanism. 1,671,845; May 29.

- Storle, Ole O., Tacoma, Wash. Revolving valve for gas engines. 1,658,360; Feb. 7.
- Storm, Adolph, assignor to Storm Manufacturing Company, Incorporated, Minneapolis, Minn. Cylinder-renewing machine. 1,679,506; Aug. 7.
- Storm Manufacturing Company. (See Storm, Adolph, assignor.)
- Stormo, John, International Falls, Minn. Gate lift for elevator shafts. 1,674,930; June 26.
- Story, Robert K. (See Ross, Thomas H., assignor.)
- Story, Ward B., Brooklyn, N. Y. Leaf-stripping machine. 1,670,484; May 22.
- Stotereau, E. J., et al. (See Torsden, Herman C., assignor.)
- Stothert & Pitt, Limited. (See Pitt, Robert B., assignor.)
- Stott, Grover T., assignor of one-half to R. O. Snider, Springfield, Ohio. Cable-slitting device. 1,686,044; Oct. 2.
- Stott, Louis, assignor to Smith, Bulmer and Company, Limited, Halifax, England. Daylight lamp for color matching, perching, and similar purposes. 1,664,332; Mar. 27.
- Stötter, Hermann. (See Rabe, P., Stötter, Wenk, and Scheps.)
- Stouder, Lewis W. (See Newman, W., and Stouder.)
- Stouffet, Gilbert, Corsicana, Tex. Pumping rig. 1,690,955; Nov. 6.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing mechanism. 1,656,543; Jan. 17.
- Stouges, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug-casting machine. 1,674,706; June 26.
- Stough, Jay A., Tulsa, Okla. Tank roof. 1,654,846; Jan. 3.
- Stough, Jay A., Tulsa, Okla. Storage tank. 1,674,073; June 19.
- Stoughton, Bradley, et al., joint trustees. (See Moyer, Milton L., assignor.)
- Stoughton, Peter T., Portland, Me. Vehicle spring control. 1,693,097; Nov. 27.
- Stoughton, William D., Newark, Ohio. Test plug. 1,690,183; Nov. 6.
- Stoull, Charles R., Pocahontas, Iowa. Dirigible headlight for automobiles. 1,678,303; July 24.
- Stoumen, Abraham L., et al. (See Cohen, Isidor, assignor.)
- Stout, Edward, Burlington, Iowa. Impact recorder. 1,696,420; Dec. 25.
- Stout, Harry S., Huntington, W. Va. Dispensing container. 1,691,861; Nov. 13.
- Stout, John N., and E. Schlegel, Staunton, Ind. Binder elevator. 1,669,357; May 8.
- Stoutenburg, Frederick C., Cleveland, Ohio. Combined cot, stretcher, table, and swing. 1,669,681; May 15.
- Stoutenburg, Edward H., Reno, Nev. Inside safety door fastener. 1,671,454; May 29.
- Stoval, James N., assignor of one-fourth to I. C. Underwood and one-fourth to C. E. Herrington, Gorman, Tex. Harvesting machine. 1,661,976; Mar. 6.
- Stoven, Detlef W., Park City, Utah. Dairy utensil. 1,684,047; Sept. 11.
- Stover, Clinton W. (See Woodhead, H., and Stover.)
- Stover, Jordan H. (See Brown, H. E., and Stover.)
- Stover Manufacturing & Engine Co. (See Bennethum, Roy M., assignor.)
- Stover, Paul A., assignor to The Stover Signal Engineering Co., Racine, Wis. Directional signal. Des. 76,268; Sept. 4.
- Stover Signal Engineering Co., The. (See Stover, Paul A., assignor.)
- Stow, Murray E., Plainfield, N. J. Burial vault. 1,690,560; Nov. 6.
- Stowell, Samuel, Vancouver, British Columbia, Canada. Paper-holding device. 1,687,404; Oct. 9.
- Stoye, Kurt, Flushing, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Bone shaping and threading device. 1,655,922; Jan. 10.
- Strachan, Christopher, South Orange, N. J., and D. J. Irish, St. George, assignors to Morse Dry Dock & Repair Co., New York, N. Y. Air register. 1,665,800; Apr. 10.
- Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Check for weighing scales. 1,668,029; May 1.
- Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,669,428; May 15.
- Strachan, Thomas H., assignor to Dayton Scale Company, Dayton, Ohio. Weighing scale. 1,690,258; Nov. 6.
- Strack, Otto, Auerbach, Hesse, assignor of one-half to the firm Pfälzische Chamotte- und Thonwerke Schiffer & Kircher Aktiengesellschaft, Grunstadt, Germany. Heat-exchanging structure for air heaters and the like. 1,679,993; Aug. 7.
- Stradinger, Gottlob J., Colburn, Wis. Marine propulsion and power generator. 1,690,463; Nov. 6.
- Strafford, Walter W., Hampton-on-Thames, assignor to The Fuelite Company Limited, Grays Inn, London, England. Manufacture of carbonized fuel. 1,667,906; May 1.
- Strafus, Anton F., assignor of one-half to L. R. McGarvin, Los Angeles, Calif. Oil can. 1,683,997; Sept. 11.
- Strahan, Joseph C. J., New York, N. Y. Woman's stocking. 1,686,478; Oct. 2.
- Strahle, A. H., et al. (See McMurtry, John, assignor.)
- Strahm, Frederick, Lawrence, Kans. Car seal. 1,665,424; Apr. 10.
- Straight, Halver R., Adel, Iowa. Combined drying and burning kiln. 1,657,138; Jan. 24.
- Straight, Halver R., Adel, Iowa. Tunnel kiln. 1,663,029; Mar. 20.
- Straight, Halver R., Adel, Iowa. Forming ceramic wares. 1,682,200; Aug. 28.
- Straight, Halver R., Adel, Iowa. Building brick. 1,688,902; Oct. 23.
- Straight, Halver R., Adel, Iowa. Corn-crib wall construction. 1,694,083; Dec. 4.
- Straight, Halver R., Adel, Iowa. Crane. 1,694,084; Dec. 4.
- Straight, Halver R., Adel, Iowa. Kiln car. 1,694,085; Dec. 4.
- Straight Line Engine Company, The. (See Thomas, William H., assignor.)
- Straitline Radio Corporation. (See Herman, Henry F., assignor.)
- Straka, John, assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,677,415; July 17.
- Straka, John, assignor to The Wahl Company, Chicago, Ill. Magazine pencil. 1,693,577; Nov. 27.
- Straka, John, assignor to The Wahl Company, Chicago, Ill. Magazine pencil. 1,693,578; Nov. 27.
- Straka, John, Kent, Ohio, assignor to The Wahl Company, Wilmington, Del. Magazine pencil. 1,693,579; Nov. 27.
- Stramaglia, Nicola, Chicago, Ill. Window scaffold. 1,665,991; Apr. 10.
- Strand, Carl F., and C. E. Johnson, assignors of one-third to A. Benson, Hutchinson, Kans. Tank for combined harvesters and thrashers. 1,658,614; Feb. 7.
- Strand, Harry L., Boston, assignor of one-half to L. F. Emerson, Brookline, Mass. Building block and wall. 1,696,818; Dec. 25.
- Strand, Irwin F., Benson, Minn. Brake. 1,689,412; Oct. 30.
- Strand, Jacob, assignor to Stransky Products Corporation, New York, N. Y. Hanger. 1,675,281; June 26.
- Strand, Jacob, assignor to Stransky Products Corporation, New York, N. Y. Anchoring device for framed pictures and the like. 1,675,282; June 26.
- Strand, Joseph, Los Angeles, Calif. Wall-board lath. 1,673,128; June 12.
- Strand, Joseph, Los Angeles, Calif., assignor to Klinch Lath Corporation. Plaster board. 1,664,837; Apr. 3.
- Strand, Joseph, assignor to Klinch Lath Corporation, Los Angeles, Calif. Hollow tile. 1,664,867; Apr. 3.
- Strand, Joseph, assignor to Klinch Lath Corporation, Los Angeles, Calif. Wall-board retainer. 1,686,187; Oct. 2.
- Strand, Theodore N., Los Angeles, Calif. Chair. Des. 76,432; Sept. 25.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,654,561; Jan. 3.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator. 1,659,381; Feb. 14.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Lateral-swing control for tractor-drawn plows. 1,665,330; Apr. 10.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Two-row cultivator. 1,670,912; May 22.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Power lift plow. 1,675,433; July 3.
- Strang, Andrew R., Redland, Alberta, Canada. Grain-handling machinery. 1,674,142; June 19.
- Strang, Paul, Duluth, Minn. Vehicle signal. 1,673,647; June 12.
- Strange, Charles H. (See Downs, C. R., and Strange.)
- Strange, John, Pail Company. (See Strange, Paul, assignor.)
- Strange, Paul, Neenah, assignor to John Strange Pail Company, Menasha, Wis. Receptacle. 1,663,618; Mar. 27.
- Strano, Pasquali, Elizabeth, N. J. Washing machine. 1,657,234; Jan. 24.
- Stransky, Hans, Vienna, Austria, assignor to Westinghouse Electric & Manufacturing Company. Electric steam boiler. 1,680,397; Aug. 14.
- Stransky Products Corporation. (See Strand, Jacob, assignor.)
- Strasmich, Ethel. (See Bass, Archie E., assignor.)
- Strassel, Edward, Baldwin, N. Y. Scarf holder. 1,692,002; Nov. 20.
- Strasser, Louis H. (See Johnson, N., and Strasser.)
- Strasser, Marchetta F., Minneapolis, Minn. Storm window. 1,668,701; May 8.
- Stratford, Frank B., Montclair, N. J. Apparatus for washing fibrous materials. 1,682,861; Sept. 4.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing disk. 1,684,748; Sept. 18.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing apparatus. 1,686,938; Oct. 9.
- Stratford, Herbert R., assignor to The Stratmore Company, Cleveland, Ohio. Surfacing disk. 1,687,071; Oct. 9.
- Strathmore Paper Company. (See Speed, James, assignor.)
- Stratmann, Joseph, Melbourne, Victoria, Australia. Mortise lock. 1,672,962; June 12.
- Stratmore Company, The. (See Carlton, Richard P., assignor.)
- Stratmore Company, The. (See Stratford, Herbert R., assignor.)

- Stratton, Frank E., Edgewood, assignor to Diamond Machine Company, Providence, R. I. Swing-frame grinder 1,680,958; Aug. 14.
- Stratton, Ray A., Huron, S. Dak. Dental appliance for indicating the outline of the face. 1,679,748; Aug. 7.
- Stratton, William D., Farwell, Mich. Heating apparatus. 1,665,992; Apr. 10.
- Straub, Emile, assignor to J. Griffiths, Paris, France. Photogravure. 1,656,843; Jan. 17.
- Straub, Francis J., New Kensington, Pa. Block-making machine. 1,669,682; May 15.
- Straub, Francis J., New Kensington, Pa. Molding building blocks. 1,671,325; May 29.
- Straub, Francis J., New Kensington, Pa. Concrete-block machine. 1,671,326; May 29.
- Straub, Francis J., New Kensington, Pa. Making concrete building blocks. 1,682,359; Aug. 28.
- Straub, Francis J., New Kensington, Pa. Building block. 1,682,360; Aug. 28.
- Straub, Francis J., New Kensington, Pa. Block-molding machine. 1,692,355; Nov. 20.
- Straub, Francis J., New Kensington, Pa. Measuring box. 1,692,356; Nov. 20.
- Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff and making same. 1,667,333; Apr. 24.
- Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Production of azo dyestuffs containing two hydroxynaphthalene nuclei. 1,669,069; May 8.
- Straub, Fritz, G. de Montmollin, J. Spieler, and C. von Planta, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing chromium and making same. 1,656,844; Jan. 17.
- Straub, Fritz, G. de Montmollin, Basel, and M. Schmid, Riehen, near Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Chromium compound of pyrazolone-azo-dyestuff and making same. 1,676,581; July 10.
- Straub, Fritz, Basel, H. Schneider, Riehen, near Basel, and J. Spieler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Metal compound of azo dyestuff and making same. 1,677,534; July 17.
- Straub, James M., assignor to Electric Welding Company, Pittsburgh, Pa. Concrete reinforcement. 1,687,405; Oct. 9.
- Straub, John, Ashley, N. Dak. Telephone stand or equipment. 1,681,754; Aug. 21.
- Straub, Joseph J., Brooklyn, N. Y. Practice drum. 1,688,561; Oct. 23.
- Straube Piano Co. (See Betz, William G., assignor.)
- Straubel, Edward L., assignor to Straubel Paper Company, Green Bay, Wis. Dispensing cabinet. 1,671,657; May 29.
- Straubel Paper Company. (See Straubel, Edward L., assignor.)
- Straubhaar, Albert, Dunsmuir, Calif. Fire extinguisher. 1,675,232; June 26.
- Straus, Edward F., Brooklyn, N. Y. Combination bed lamp and clock. Des. 75,296; May 22.
- Straus, Mitteldorfer, New York, N. Y. Hammer. Des. 74,243; Jan. 10.
- Straus, Mitteldorfer, New York, N. Y. Pipe holder or similar article. Des. 76,716; Oct. 23.
- Straus, Mitteldorfer, New York, N. Y. Cigarette holder. Des. 76,717; Oct. 23.
- Straus, Mitteldorfer, New York, N. Y. Cigarette holder or similar article. Des. 76,718; Oct. 23.
- Straus, Nathan, & Sons, Inc. (See Rampfel, Heinrich, assignor.)
- Straus, Sylvan M., assignor to Gloversville Welt Co., Inc., Gloversville, N. Y. Producing leather welts. 1,657,847; Jan. 31.
- Strauss, Carol L., Bangor, Me. Garment supporter. 1,657,906; Jan. 31.
- Strauss-Eckardt Co. (See Eckardt, Herman V., assignor.)
- Strauss, Ferdinand, New York, N. Y. Harmonica. Des. 74,704; Mar. 13.
- Strauss, Ferdinand, New York, N. Y. Harmonica. Des. 75,194; May 15.
- Strauss, Ferdinand, Corporation, The. (See Okel, Harry A., assignor.)
- Strauss, Joseph B., Chicago, Ill. Car dumper. 1,655,801; Jan. 10.
- Strauss, Joseph B., Chicago, Ill. Bridge. 1,663,359; Mar. 20.
- Strauss, Joseph B., Chicago, Ill. Bridge. 1,680,821; Aug. 14.
- Strauss, Joseph B., Chicago, Ill. Pavement. 1,690,259; Nov. 6.
- Strauss, Joseph B., Chicago, Ill. Device for stopping high-powered vehicles. 1,692,425; Nov. 20.
- Strauss, Joseph B., assignor to Highway Safety Barrier Company, Chicago, Ill. Barrier. 1,692,142; Nov. 20.
- Strauss, Leo, Far Rockaway, N. Y. Attachment for ophthalmic mountings. 1,679,233; July 31.
- Strauss, Raphaël, assignor to Etablissements Strauss, Alard, Meyer, Paris, France. Lighter. 1,660,401; Feb. 28.
- Strauss, Seymour A., trustee, et al. (See Rosche, H. J. Jr., and Schwartz, assignors.)
- Strauss, William H. (See Myers, Roy H., assignor.)
- Strausser, Herbert S. (See Hansen, Augie L., assignor.)
- Straw Ballast Distributor Corporation. (See Straw, Bernard W., assignor.)
- Straw, Bernard W., Mount Airy, Md., assignor to Straw Ballast Distributor Corporation, Wilmington, Del. Ballast car. 1,667,085; Apr. 24.
- Straw, Bernard W., Mount Airy, Md., assignor to Straw Ballast Distributor Corporation, Wilmington, Del. Ballast spreader. 1,689,694; Oct. 30.
- Straw, Bernard W., Mount Airy, Md., assignor to Straw Ballast Distributor Corporation, Wilmington, Del. Ballast-spreading device. 1,689,806; Oct. 30.
- Straw, Walter A., Wheaton, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing. 1,672,963; June 12.
- Straw, Walter E., Keene, Tex. Brooder. 1,676,583; July 10.
- Strawn, William W., Tulsa, Okla. Flexible metal weather strip. 1,659,617; Feb. 21.
- Strayer, Catherine. (See Stroh, W. Y., and Klages, assignors.)
- Strayer, Daniel H., Los Angeles, Calif. Waterproof receptacle. 1,671,385; May 29.
- Strayer, Jacob E. (See De Baugh, H. L., Meeks, and Strayer.)
- Strayer, Lawrence H. (See McMarlin, W. J., and Strayer.)
- Straziare, Salvatore, et al. (See Pagano, Gaetano, assignor.)
- Streb, Frederick C., and E. Ayer, Rochester, N. Y. Type-bar carrier. 1,657,726; Jan. 31.
- Strebler Appliances, Inc. (See Strebler, George L., assignor.)
- Strebler, George L., assignor to Strebler Appliances, Inc., St. Louis, Mo. Pump. 1,689,178; Oct. 23.
- Strebler, George L., assignor to Strebler Appliances, Inc., St. Louis, Mo. Compressor. 1,689,179; Oct. 23.
- Strecker, Otto C., Darmstadt, Germany. Production of cellulose by decomposition of vegetable fibers. 1,658,213; Feb. 7.
- Street, James A., Detroit, Mich., assignor of one-half to H. C. Zeitz, Clarksburg, W. Va. Headlight. 1,673,604; June 12.
- Street Luminaire Company. (See Paxson, Oliver B., assignor.)
- Streeter, Albert B., New York, N. Y. Engine head. 1,683,268; Sept. 4.
- Streeter, Albert B., assignor to Dual Motors Corporation, New York, N. Y. Air compressor for internal-combustion engines. 1,677,057; July 10.
- Streeter, Albert B., assignor to Dual Motors Corporation, New York, N. Y. Fuel intake for two-cycle engines. 1,677,604; July 17.
- Streeter, Elford D. (See Henry, R. W., and Streeter.)
- Streeter, Howard, Detroit, Mich. Evaporating unit for refrigerating systems. 1,669,918; May 15.
- Streich, Frank, assignor to Union Machinery Company, Joliet, Ill. Bun and bread rounder. 1,661,775; Mar. 6.
- Streich, John M., Clarendon, Pa. Pump valve. 1,685,650; Sept. 25.
- Streit, Carl F., Cincinnati, Ohio. Chair. 1,674,846; June 26.
- Streitwolf, Karl. (See Kolle, W., Streitwolf and Fehrlie.)
- Strenberg, Dewey M., assignor of one-half to W. J. Walters, Ishpeming, Mich. Can opener. 1,669,311; May 8.
- Stribling, Paul O., Jr., Atlanta, Ga. Internal-combustion engine. 1,666,838; Apr. 17.
- Stricker, Charles J., Bridgeport, assignor of one-tenth to M. A. Mayer, East Norriton Township, one-fifth to D. Sinclair, Jr., Norristown, and one-tenth to W. Lerch, West Norriton Township, Pa. Hot-water furnace. 1,670,913; May 22.
- Stricker, George W., Dallas, Tex. Changeable sign and traffic signal. 1,662,348; Mar. 13.
- Strickland, Arthur E. (See Culbertson, Glenn B., assignor.)
- Strickland, Clarence E., Atlantic City, N. J. Blade holder. 1,667,061; Apr. 24.
- Strickland, Clarence E., assignor of one-third to D. S. Brown and one-third to E. R. Dawson, Atlantic City, N. J. Sign. 1,687,043; Oct. 9.
- Strickland, Frank, Oklahoma City, Okla. Trap nest. 1,683,423; Sept. 4.
- Strickland, Louis G., Huntington, N. Y. Drafting instrument. 1,665,898; Apr. 10.
- Strickland, William R., assignor to General Motors Corporation, Detroit, Mich. Propeller shaft. 1,664,713; Apr. 8.
- Strickler, Cary M., Washington, D. C., assignor to American Specialty Manufacturing Corporation, Norfolk, Va. Sadiron heater. 1,658,399; Feb. 7.
- Strickler, Elbert F., and J. F. Simpson, Krollitz, W. Va. Car coupler. 1,660,054; Feb. 21.
- Strickler, Milton W., Des Moines, Iowa. Antitheft tire and rim holder. 1,656,451; Jan. 17.
- Strickler, Robert, and J. H. McJannett, Woodstock, Ontario, Canada. Railway gate. 1,666,982; Apr. 24.
- Strickler, Thomas J., Washington, D. C., assignor of one-half to C. D. Holden. Automobile speed governor. 1,679,749; Aug. 7.

- Strid, Sven J., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Door fastener. Re16,987; June 5.
- Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Mounting for brake gears. Re17,151; Dec. 4.
- Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Double-end control. 1,661,276; Mar. 6.
- Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Railway-car brake. 1,668,702; May 8.
- Strid, Sven J., assignor to W. H. Miner, Inc., Chicago, Ill. Door-operating mechanism for refrigerator cars. 1,670,485; May 22.
- Strid, Sven J., assignor to F. Mathews, Chicago, Ill. Safety device for brake-lever spreaders. 1,679,559; Aug. 7.
- Strid, Sven J., assignor to R. J. Cook, Chicago, Ill. Draft gear. 1,680,308; Aug. 14.
- Strid, Sven J., assignor, by mesne assignments, to E. P. Smith, Chicago, Ill. Safety lock. 1,691,893; Nov. 13.
- Strieby, Maurice E., Millburn, N. J., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,664,468; Apr. 3.
- Striegel, Leslie E., assignor, by mesne assignments, to F. H. Dunbar, Cleveland, Ohio. Ash gate. 1,679,549; Aug. 7.
- Striffler, Gottlieb, Chicago, Ill. Apparatus for filtering and bottling fluids under pressure. 1,692,393; Nov. 20.
- Strigl, Karl J., New York, N. Y. Transmission mechanism. 1,666,152; Apr. 17.
- Strindber, Richard, New York, assignor of one-third to J. L. Lotsch, Brooklyn, N. Y. Internal-combustion engine. 1,696,336; Dec. 25.
- Strindberg, Richard, assignor to The Timken Roller Bearing Company, Canton, Ohio. Undercutting attachment for screw machines. 1,678,924; July 31.
- String, Joseph S., East Orange, assignor to J. S. & J. F. String Incorporated, Newark, N. J. Hydrocarbon-burner system. 1,676,877; July 10.
- String, J. S. & J. F., Incorporated. (See String, Joseph S., assignor.)
- Stringer, James. (See King, A. C., and Stringer.)
- Stringfield, Lamar, Asheville, N. C. Musical-instrument valve. 1,673,717; June 12.
- Stringham, John H., Jersey City, E. Greene, and W. H. Swenarton, Montclair, N. J., assignors of one-third to said Green, one-third to said Swenarton, and one-third to H. L. Tunison, Stamford, Conn. Method of and apparatus for dishwashing. 1,672,286; June 5.
- Stripling, Luke S., Amarillo, Tex. Windmill. 1,665,645; Apr. 10.
- Strife, Charles P. (See Carter, C. W., and Strite.)
- Strite, George T. (See Bolens, H. W., Strite, and Travers.)
- Strite, George T., assignor of two-thirds to H. W. Bolens, Port Washington, Wis. Garden tractor. 1,666,185; Apr. 17.
- Strittmatter, August, Freiburg, Baden, Germany. Apparatus for the manufacture of artificial-marble slabs. 1,675,833; July 3.
- Strobel, John, Burlingame, Calif. Wrench. 1,691,216; Nov. 13.
- Strobino, Gaston, Paterson, N. J. Sound reproducer. 1,677,605; July 17.
- Strobino, Gaston, Paterson, N. J. Sound reproducer. 1,680,822; Aug. 14.
- Strobl, Hans, Berlin-Tempelhof, assignor, by mesne assignments, to Luftschiffbau Zeppelin G. m. b. H., Friedrichshafen, Bodensee, Germany. Airship. 1,682,025; Aug. 28.
- Strock, Joseph G., Pittsburgh, Pa. Soap tray. 1,660,729; Feb. 23.
- Ströder, Eugen, Leverkusen, near Cologne, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Apparatus for treating gases. 1,663,734; Mar. 27.
- Stroesser, Edward N., Milwaukee, Wis. Container. 1,659,985; Feb. 21.
- Stroh, Victor R. A. (See Reller, E. L., and Stroh.)
- Stroh, William Y., and G. W. Klages, assignors to C. Strayer, Pittsburgh, Pa. Method and machine for finishing circular castings. 1,665,286; Apr. 10.
- Strobbach, Henry, New York, N. Y. Apparatus for brewing coffee. 1,658,579; Feb. 7.
- Strohm, Charles F. (See Reed, F. P., and Strohm.)
- Strohm, Charles F. (See Reed, F. P., Strohm, and Dillwith.)
- Strohmenger, Arthur P., assignor to The Quasi-Arc Company Limited, London, England. Welding electrode. 1,674,576; June 19.
- Stroinski, Frank, St. Louis, Mo. Oil-cup-cap holder. 1,675,518; July 3.
- Strom, Arthur C. E., Ortega, Fla. Gymnasium apparatus. 1,670,390; May 22.
- Strom, Arthur C. E., Ortega, Fla. Gymnasium apparatus. 1,676,061; July 3.
- Strom, Clifton O., and H. M. Nelson, jr., assignors to Nelson Bros. and Strom, Racine, Wis. Rubber-strip-cutting machine. 1,684,158; Sept. 11.
- Strom, Olaf S., assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Lighting-fixture bracket. Des. 76,165; Aug. 21.
- Ström, Ulrich, et al., executors. (See Bull, Fredrik R.)
- Strombach, Julius, Maplewood, assignor to Colonial Stamping Company, Newark, N. J. Clothesline reel. 1,689,695; Oct. 30.
- Strombeck, John F., Moline, Ill. Game toy. 1,667,086; Apr. 24.
- Stromberg-Carlson Telephone Manufacturing Company. (See Beach, J. M., and Fletcher, assignors.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Johnson, Merriam E., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Lewis, John H., jr., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Manson, Ray H., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Williams, John D., assignor.)
- Stromberg Electric Company. (See Crook, C. M., and Long, assignors.)
- Stromberg Electric Company. (See Long, Albert E., assignor.)
- Stromberg, Elmer F., Boston, Mass. Musical instrument. 1,672,699; June 5.
- Stromberg Motor Devices Co. (See Chandler, Milton E., assignor.)
- Stromberg Motor Devices Co. (See Dienger, John A., assignor.)
- Stromberg Research Corporation. (See Mock, Frank C., assignor.)
- Stromeler, Gustav, Hamburg, Germany. Device for preventing the escape of oil from journal and like bearings. 1,659,450; Feb. 14.
- Stromswold, Leonard T. (See Hancock, W. G., and Stromswold.)
- Strong, Arthur P., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Conveyor roll. 1,669,952; May 15.
- Strong, Arthur P., Mishawaka, Ind., assignor to Dodge Manufacturing Corporation. Bearing for shaft supports. 1,687,806; Oct. 16.
- Strong, Carlisle & Hammond Company, The. (See Weintz, Jacob, assignor.)
- Strong, Eugene H., Pearsall, Tex. Safety device for lubricating systems. 1,682,257; Aug. 28.
- Strong, George, et al. (See Rogers, Adrian R., assignor.)
- Strong, Harry H., Toledo, Ohio. Arc regulator. 1,656,247; Jan. 17.
- Strong, Harry M. (See Morgan, Lewis J., assignor.)
- Strong, Robert J. (See Leeper, J. A., and Strong.)
- Strong, Robert M., Los Angeles, Calif. Spray nozzle. 1,665,482; Apr. 10.
- Strong-Scott Manufacturing Co. (See Sewell, Wilbur S., assignor.)
- Strong, William, et al. (See Rogers, Adrian R., assignor.)
- Strong, William E. S., assignor to W. P. Deppé, New York, N. Y. Manifold and thermostatic regulating device therefor. 1,675,870; July 3.
- Strootman, John, Buffalo, N. Y. Cushion arch support. 1,689,260; Oct. 30.
- Strosacker, Charles J., and C. C. Kennedy, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of indigo. 1,678,619; July 24.
- Stroth, Otto C., and P. R. Lempeke, Dover, N. H. Nut-cooking machine. 1,681,505; Aug. 21.
- Stroud, Charles M., assignor of one-half to L. H. Fawkes, Minneapolis, Minn. Liquid-fuel burner. 1,660,106; Feb. 21.
- Stroud, Charles M., assignor of one-half to L. H. Fawkes, Minneapolis, Minn. Oil-burning apparatus. 1,691,311; Nov. 13.
- Stroud, David H., Jenkintown, Pa. Rug. Des. 74,284; Jan. 17.
- Stroud, David H., Jenkintown, Pa. Rug. Des. 74,285; Jan. 17.
- Stroud, David H., Jenkintown, Pa. Rug. Des. 74,286; Jan. 17.
- Stroud, Francis H., Seattle, Wash. Cylinder head. 1,662,989; Mar. 20.
- Stroud, James P., Noble, Pa. Pile fabric. 1,661,018; Feb. 28.
- Stroud, John B., Pass Christian, Miss. Extension step. 1,663,321; Mar. 20.
- Stroud, Paul G., Belmont, assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Knitting machine and process. 1,673,095; June 12.
- Stroud, William. (See Barr, A., and Stroud.)
- Stroud, William, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Apparatus for the conversion of motion according to one law into motion according to another law. 1,667,640; Apr. 24.
- Stroud, William, and J. W. French, Glasgow, assignors to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Apparatus for imparting movements. 1,674,143; June 19.
- Stroup, Everett P. (See Cook, W. A., and Stroup.)
- Stroup, Robert D., Marfance, W. Va. Brake mechanism. 1,668,877; May 8.
- Stroup, Robert D., Marfance, assignor of one-third to H. S. Nelson, Leslie, and one-third to J. B. Laing, Lewisburg, W. Va. Brake mechanism. 1,668,876; May 8.
- Stroup, Robert D., Marfance, assignor of one-third to H. S. Nelson, Leslie, and one-third to J. B. Laing, Lewisburg, W. Va. Brake mechanism. 1,670,695; May 22.
- Stroup, Robert D., Marfance, assignor of one-third to H. S. Nelson, Leslie, and one-third to J. B. Laing, Lewisburg, W. Va. Brake mechanism. 1,675,673; July 3.
- Strouse, Adler & Co. (See Roberts, Anna H., assignor.)

- Strouse, Adler Company, The. (See Reynolds, Michael J., assignor.)
- Strouse, Louis V., Linwood, N. J. Electrical shifting mechanism for curtains. 1,696,368; Dec. 25.
- Strouse, Thomas J., Pottstown, Pa. Storage-battery charge indicator. 1,661,776; Mar. 6.
- Strout, Haven T. (See Bloss, R. R., Strout, and Ansel.)
- Strout, Lester B., assignor to Woodward & Cochey Manufacturing Company, Chicago, Ill. Finishing welt. 1,688,094; Oct. 16.
- Strout, Robert W., Brooklyn, assignor, by mesne assignments, to E. W. Bliss Company, New York, N. Y. Nail-making machine. 1,685,439; Sept. 25.
- Strub, Gustav A., Toledo, Ohio. Tie press. 1,657,647; Jan. 31.
- Struble, James F., Hutchinson, Kans. Sectional packing gland and washer. 1,671,909; May 29.
- Struble, James F., Hutchinson, Kans. Well pump. 1,677,802; July 17.
- Strubler, Charles G., Chicago, Ill., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,664,003; Mar. 27.
- Strudy's, J. F., Sons Co. (See Nelson, Nils T., assignor.)
- Struensee, Louis C., Oshkosh, Wis. Hayrack. 1,664,838; Apr. 3.
- Strufe, Otto, Dwight, Ill. Refrigerator and installation construction therefor. 1,685,248; Sept. 25.
- Strump, Benjamin, Brooklyn, N. Y. Safety card casing. 1,667,829; May 1.
- Strunk, Carl F. (See Pratt, Lucius S., assignor.)
- Strunge, Sigurd, Wyandotte, Mich. Friction screw-lifting mechanism. 1,693,624; Dec. 4.
- Strunk, Harry E., Ontario, Calif., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Electric heater. 1,655,479; Jan. 10.
- Strunz, Wilhelm, Allersberg, near Nuremberg, Germany. Apparatus for washing the eyes. 1,692,143; Nov. 20.
- Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Banjo-neck-adjusting means. 1,671,942; May 29.
- Struthers, James A., assignor to Strutwear Knitting Company, Minneapolis, Minn. Stocking. Des. 76,828; Nov. 6.
- Struthers, James A., assignor to Strutwear Knitting Company, Minneapolis, Minn. Stocking. Des. 76,905; Nov. 13.
- Strutwear Knitting Company. (See Struthers, James A., assignor.)
- Struve, Carl J., Elgin, Ill. Journal-lubricating system. 1,679,590; Aug. 7.
- Stryker, Auriol M., assignor to E. J. Brach & Sons, Chicago, Ill. Candy-containing and displaying device. Des. 16,887; Jan. 17.
- Stryker, Clineon E., assignor to Fansteel Products Company, Inc., North Chicago, Ill. Adjustable resistance unit. 1,659,059; Feb. 14.
- Stryker, Clinton B., assignor to Fansteel Products Company, Inc., North Chicago, Ill. Regulating alternating current. 1,686,939; Oct. 9.
- Stryker, Walter W., deceased, by E. T. Jones, administrator, Dayton, Ohio. Reatomizer. 1,660,730; Feb. 28.
- Strzelecki, Michael J., East Cleveland, Ohio. Fire shield. 1,669,267; May 8.
- Strzok, Peter. (See Polnaszek, John P., assignor.)
- Strzyzewski, Frank J., Chicago, Ill. Rail tie. 1,671,877; May 29.
- Stuart, Clyde W., Brooklyn, N. Y. Button. 1,694,802; Dec. 11.
- Stuart, Donald R., Omaha, Nebr. Corner piece for buildings. 1,676,582; July 10.
- Stuart, Ervin D., et al. (See Hardison, Edwin A., assignor.)
- Stuart, Frank J., St. Louis, Mo. Abdominal appliance. 1,668,743; May 8.
- Stuart, Frank T., Maplewood, N. J., assignor to The R. Neumann Hardware Co. Interengaging and aligning the members of hinged bag frames. 1,662,837; Mar. 20.
- Stuart, Harve R., assignor to The Robbins and Myers Company, Springfield, Ohio. Oscillating fan. 1,668,989; May 8.
- Stuart, Harve R., assignor to The Robbins & Myers Company, Springfield, Ohio. Oscillating fan. 1,676,467; July 10.
- Stuart, Hugh, assignor to Commonwealth Steel Company, Granite City, Ill. Molder's chaplet. 1,692,426; Nov. 20.
- Stuart, John M., Abilene, Tex. Cotton cleaner. 1,669,632; May 15.
- Stuart, Joseph, 2d, assignor to Hercules Powder Company, Wilmington, Del. Machine for securing bridge wires to lead wires of electric blasting caps. 1,685,344; Sept. 25.
- Stuart, Joseph, 2d, assignor to Hercules Powder Company, Wilmington, Del. Bridging the connecting wires of electric blasting caps. 1,685,382; Sept. 25.
- Stuart, Luttrell H., Chicago, Ill. Valve. 1,688,299; Oct. 16.
- Stuart, Thomas F., and H. A. Moore, Los Angeles, Calif. Door latch. 1,661,548; Mar. 6.
- Stuart, Thomas F., and H. A. Moore, Los Angeles, Calif. Push catch for doors. 1,662,255; Mar. 13.
- Stuart, Thomas F., and H. A. Moore, Los Angeles, Calif. Notch bolt latch. 1,663,572; Mar. 27.
- Stuart, Thomas F., and H. A. Moore, Los Angeles, Calif. Push catch for doors. 1,664,576; Apr. 3.
- Stuart, Thomas F., and H. A. Moore, Los Angeles, Calif. Push catch for doors. 1,685,508; Sept. 25.
- Stubbings, Edwin L., Huntington, N. Y. Line breaker. 1,663,421; Mar. 20.
- Stubblefield, Baford M. (See Williamson, H. C., and Stubblefield.)
- Stubbs, Charles H. (See Moore, C. F., and Stubbs.)
- Stubbs Company, The. (See Shope, Leslie R., assignor.)
- Stubbs, David W., Chicago, Ill. Scale. 1,670,597; May 22.
- Stubbs, Marie M., executrix. (See Stubbs, Robert C.)
- Stubbs, Merrill F., Denver, Colo. Internal-combustion engine. 1,674,707; June 26.
- Stubbs, Robert C., deceased, Dallas, Tex.; M. M. Stubbs, executrix. Machine for compacting and solidifying concrete and other plastic material. 1,657,727; Jan. 31.
- Stuber, Adolph, and E. E. Underwood, assignors to Eastman Kodak Company, Rochester, N. Y. Motion-picture screen. 1,690,600; Nov. 6.
- Stuber & Kuck Co. (See Kuck, Henry G., assignor.)
- Stuck, Walter G., Lexington, Ky., assignor to The Cincinnati Car Company, Cincinnati, Ohio. Rail brake for railway cars. 1,658,421; Feb. 7.
- Stuckert, John F., Philadelphia, Pa. Adjustable roofing structure. 1,672,628; June 5.
- Stuckert, John F., Philadelphia, Pa. Roofing structure. 1,672,629; June 5.
- Stuckey, Robert B., assignor to W. A. Riddell Company, Bucyrus, Ohio. Gate for leers, ovens, and the like. 1,677,933; July 24.
- Stuckey, Samuel G., Middletown, Ohio. Glass-feed-control mechanism. 1,686,109; Oct. 2.
- Studdy, George E. (See Schoenhut, Harry E., assignor.)
- Studdy, George E., London, England. Toy animal. Des. 75,593; June 19.
- Studebaker Corporation, The. (See Baus, Richard E., assignor.)
- Studebaker Corporation, The. (See Bourgon Joseph H., assignor.)
- Studebaker Corporation, The. (See Breneman, Paul E., assignor.)
- Studebaker Corporation, The. (See Davenport, George R., assignor.)
- Studebaker Corporation, The. (See Henry, G. P., and Hunt, assignors.)
- Studebaker Corporation, The. (See Hughes, J. R., and Weber, assignors.)
- Studebaker Corporation, The. (See Lamb, Ernest P., assignor.)
- Studebaker Corporation, The. (See Link, Vincent, assignor.)
- Studebaker Corporation, The. (See Link, V., and Pierce, assignors.)
- Studebaker Corporation, The, et al. (See Michod, Charles L., assignor.)
- Studebaker Corporation, The. (See Miller, Frederick L., assignor.)
- Studebaker Corporation, The. (See Newcomb, Edward C., assignor.)
- Studebaker Corporation, The. (See Parker, Herber D., assignor.)
- Studebaker Corporation, The. (See Paton, Clyde R., assignor.)
- Studebaker Corporation, The. (See Pierce, Hodgson, S., assignor.)
- Studebaker Corporation, The. (See Pierce, H. S., and Bourgon, assignors.)
- Studebaker Corporation, The. (See Sprung, Edwin G., assignor.)
- Studebaker Corporation, The. (See Stoddard, E. R., and Zilly, assignors.)
- Studebaker Corporation, The. (See Williams, Clarence H., assignor.)
- Studebaker, John W., Des Moines, Iowa. Educational device. 1,673,166; June 12.
- Studer, Jacob M., Timmins, Ontario, Canada. Door holder. 1,674,931; June 26.
- Studer, Robert J., administrator. (See Ohm, Emil K.)
- Studevant, L. M. (See Waterworth, Robert J., assignor.)
- Studiengesellschaft fuer Wirtschaft u. Industrie m. b. H. (See Weckerle, Ferdinand, assignor.)
- Studler, René R., U. S. Army, Washington, D. C. Muzzle attachment for automatic guns. 1,671,327; May 29.
- Studley, Gilbert, Jr., Yarmouth, Mass. Building block. 1,695,443; Dec. 18.
- Stuebing, William, jr., Cincinnati, Ohio. Exercising machine. 1,691,900; Nov. 13.
- Stuedeman, Anton G., assignor to Jenkins Machine Company, Sheboygan, Wis. Disappearing dog. 1,655,580; Jan. 10.
- Stuhr, Herman F., assignor to The E. Konigslow Stamping & Tool Company, Cleveland, Ohio. Oiling appliance for thread or yarn. 1,662,086; Mar. 13.
- Stuhr, Herman F., assignor to The E. Konigslow Stamping & Tool Company, Cleveland, Ohio. Thread-oiling appliance. 1,670,696; May 22.
- Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,667,958; May 1.
- Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife for slicing machines. 1,679,508; Aug. 7.
- Stuler, Rudolph W., McKeesport, Pa. Furnace for heating metal sheets and plates. 1,676,590; July 10.

- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Attaching device and molded member containing the same. 1,659,927; Feb. 21.
- Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch. 1,672,964; June 12.
- Stumm, Ross M., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line device. 1,690,184; Nov. 6.
- Stump, Frank, and A. A. Johnston, Morgantown, W. Va. Station indicator. 1,679,066; July 31.
- Stump, Orville R., and J. N. Hiles, Long Beach, Calif. Pipe retainer for derricks. 1,663,285; Mar. 20.
- Stumpf, Johann, Berlin, Germany. Delivering preheated feedwater. Re17,032; July 10.
- Stumpf, Johann, Berlin, Germany. Noncondensing steam engine. 1,668,927; May 8.
- Stumpf, Walter, Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson, Md. Rivet-spinning attachment. 1,689,460; Oct. 30.
- Stürcke, Herman E., Port Orange, Fla., assignor to William Wharton Jr. & Company, Easton, Pa. Manufacture of containers for compressed gases. 1,692,521; Nov. 20.
- Sturdavant, Charles E., Wichita Falls, Tex. Shelving. 1,694,520; Dec. 11.
- Sturdevant, Earl G., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Flameproof electric insulation and producing the same. 1,687,525; Oct. 16.
- Sturdy's, J. F., Sons Company. (See Nelson, Nels T., assignor.)
- Sturge, Wilson H., Birmingham, England. Automatic winding device for cables and the like. 1,658,694; Feb. 7.
- Sturgeon, Harold M. (See Hottel, L. W., and Sturgeon.)
- Sturgis, Frederick C., Newark, N. J. Rotary felting machine. 1,679,100; July 31.
- Sturgis, Herbert M., Kansas City, Mo., assignor to Sturgis Mop Company. Mop head. 1,675,736; July 3.
- Sturgis Mop Company. (See Sturgis, Herbert M., assignor.)
- Sturgis, William J. (See Culp, G. K., jr., Barker, and Sturgis.)
- Sturm, Frank X., Alexandria, Ind., assignor to The Glove Corporation, Alexandria, Ind. Glove. 1,666,023; Apr. 10.
- Sturm, Joseph and W. L. Caldwell, assignors, by mesne assignments, to The Berger Manufacturing Company, Canton, Ohio. Latch for lockers. 1,671,328; May 29.
- Sturm, Wolfgang, Leipzig-Sellerhausen, assignor to the firm: Atlas Werke Pöhner & Co., Leipzig-Stotteritz, Germany. Multiple-sole-pressing machine. 1,675,233; June 26.
- Sturrock, Archibald, Winnipeg, Manitoba, Canada, assignor to The Canadian Pacific Railway Company. Ventilating and deflecting of air through railway cars. 1,694,993; Dec. 11.
- Sturrock, John, assignor to International Harvester Company, Chicago, Ill. Frame-adjusting means. 1,695,512; Dec. 18.
- Sturtevant, B. F., Company. (See Allen, George W., assignor.)
- Sturtevant, Harold E., assignor to The Whitney Mfg. Co., Hartford, Conn. Chain and part therefor. 1,678,450; July 24.
- Sturtevant, Harold E., assignor to The Whitney Mfg. Co., Hartford, Conn. Power-transmission chain. 1,692,799; Nov. 20.
- Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Eccentric mechanism for separators. 1,673,342; June 12.
- Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 1,673,343; June 12.
- Sturton, Ellen, Mapperley, Nottingham, England. Button, stud, or the like. 1,690,561; Nov. 6.
- Stuthridge, James H., and T. M. Hack, Johannesburg, Transvaal, South Africa. Supplying water to rock drills and the like. 1,682,438; Aug. 28.
- Stutson, Willis, Winnetka, Ill. Combination door retainer and bumper. 1,688,028; Oct. 16.
- Stutson, Willis, Winnetka, Ill. Door retainer. 1,688,095; Oct. 16.
- Stutz, John C., Albuquerque, N. Mex. Door and sash sticking machine. 1,672,740; June 5.
- Stryer, Oliver S., and G. A. Snedeker, Bridgeport, Conn. Fence post. Des. 75,702; July 3.
- Styles, Wesley, Grand Forks, N. Dak. Attachment for wheeled road graders. 1,675,145; June 26.
- Styri, Haakon, Philadelphia, Pa., assignor to The Skayef Ball Bearing Company, Hartford, Conn. Cage for roller bearings. 1,689,505; Oct. 30.
- Suarez, Aguilino, Mount Carmel, Pa. Coal auger. 1,694,994; Dec. 11.
- Suarez, José, jr., Tampa, Fla. Bottle. Des. 74,459; Feb. 14.
- Suarez, José A., New York, N. Y. Fishing machine. 1,659,413; Feb. 14.
- Subert, Josef and J., jr., Oak Park, Ill. Humidifier for hot-air furnaces. 1,689,936; Oct. 30.
- Subert, Joseph, jr. (See Subert, Josef, and J., jr.)
- Submarine Signal Company. (See Hayes, H. C., and Mason, assignors.)
- Submarine Signal Company. (See Mason, Max, assignor.)
- Submarine Signal Company. (See Pierce, George W., assignor.)
- Submarine Signal Corporation. (See Dorsey, Herbert G., assignor.)
- Submarine Signal Corporation. (See Dorsey, H. G., and Williams, assignors.)
- Submarine Signal Corporation. (See Williams, Robert L., assignor.)
- Suck, Henry, Roslindale, Mass. Fastener for doors, panels, and the like. 1,694,023; Dec. 4.
- Suckfield, George A., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 1,681,200; Aug. 21.
- Süddeutschen Telephone-Apparate-Kabel- u. Drahtwerke Aktien Gesellschaft. (See Liebert, Gustav, assignor.)
- Sudduth, Arthur L., Milwaukee, Wis. Ignition apparatus. 1,657,648; Jan. 31.
- Sudarov, Abraham, New York, N. Y. Making finger rings. 1,695,067; Dec. 11.
- Suelflow, Emil O., assignor to The Schmit Trunk Company, Oshkosh, Wis. Trunk. 1,681,264; Aug. 21.
- Sugden, Bertha, assignor, by mesne assignments to Technicolor Picture Corporation, Boston, Mass. Cleaning gelatinous surfaces and the like. 1,692,358; Nov. 20.
- Suiter, Charles H., et al. (See Field, Marshall S., assignor.)
- Suiter, Harold R., Grand Rapids, Mich. Mechanism for use with articulated mold forms. 1,696,699; Dec. 25.
- Suiter, Harold R., Grand Rapids, Mich. Mold-form structure. 1,696,700; Dec. 25.
- Suits, Seymour, Philadelphia, Pa. Headlight. 1,683,998; Sept. 11.
- Sukert, Philip H., Chicago, Ill. Cigar-box moistener and cover. 1,660,240; Feb. 21.
- Sukert, Philip, Chicago, Ill. Combination cigar-box moistener and cover holder. 1,676,118; July 3.
- Sukert, Philip H., Chicago, Ill. Window-washing device. 1,689,163; Oct. 23.
- Sukumlyn, Thomas W., Los Angeles, Calif. Variable condenser. 1,673,213; June 12.
- Sulentie, Nicholas, Waterloo, Iowa. Spring recompressor. 1,677,934; July 24.
- Sulik, Stephen, New Britain, Conn. Handsaw. 1,664,906; Apr. 3.
- Sullivan, Albert V., Alameda, Calif. Fish-cutting machine. 1,655,581; Jan. 10.
- Sullivan, Charles T., Cassody, Kans. Corn binder. 1,684,561; Sept. 18.
- Sullivan, Cornelius, Boston, Mass. Flag attachment. 1,680,703; Aug. 14.
- Sullivan, Daniel J., Tulsa, Okla. Safety hoisting device. 1,682,439; Aug. 28.
- Sullivan, Elizabeth. (See Suvan, Betty, assignor.)
- Sullivan, Ernest W., Manteca, Calif. Truck loader. 1,666,983; Apr. 24.
- Sullivan, Eugene. (See Miles, F. J., and Thompson, assignors.)
- Sullivan, Francis D., Memphis, Tenn. Oil-well-cleaning composition. 1,661,512; Mar. 6.
- Sullivan, Ionia M., assignor to Association of Rebekah Assemblies, Kansas City, Mo. Badge or similar article. Des. 75,393; May 29.
- Sullivan, James J., Faribault, Minn. Twine cutter. 1,659,124; Feb. 14.
- Sullivan, John L., Berkeley, Calif. Anchoring device for roofing tile. 1,656,400; Jan. 17.
- Sullivan, John L., Oakland, Calif. Furring and fastening device. 1,664,096; Mar. 27.
- Sullivan Machinery Company. (See Allen, Charles H., assignor.)
- Sullivan Machinery Company. (See Blom, Hjalmar T., assignor.)
- Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)
- Sullivan Machinery Company. (See Clapp, Lewis J., assignor.)
- Sullivan Machinery Company. (See Dansereau, Omer J., assignor.)
- Sullivan Machinery Company. (See Ferguson, Alexander D., assignor.)
- Sullivan Machinery Company. (See Gartin, Elmer E., assignor.)
- Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
- Sullivan Machinery Company. (See Graham, James G., assignor.)
- Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
- Sullivan Machinery Company. (See Halvorsen, Halbert B., assignor.)
- Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
- Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
- Sullivan Machinery Company. (See Hosking, John, assignor.)
- Sullivan Machinery Company. (See Johansen, Harry C., assignor.)
- Sullivan Machinery Company. (See Lee, Frank M., assignor.)
- Sullivan Machinery Company. (See Maxson, Louis A., assignor.)

- Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
- Sullivan Machinery Company. (See Mitchell, Joseph S., assignor.)
- Sullivan Machinery Company. (See Nelson, Sven T., assignor.)
- Sullivan Machinery Company. (See Officer, Charles B., assignor.)
- Sullivan Machinery Company. (See O'Rourke, Daniel J., assignor.)
- Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
- Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
- Sullivan Machinery Company. (See Rimmer, Gilbert, assignor.)
- Sullivan Machinery Company. (See Robinson, Edward B., assignor.)
- Sullivan Machinery Company. (See Rundqvist, Thore R. E., assignor.)
- Sullivan Machinery Company. (See Upham, Preston, assignor.)
- Sullivan Machinery Company. (See Whinnen, Eugene, assignor.)
- Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
- Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
- Sullivan, Manley S., Charleston, S. C. Muffler for airplane motors. 1,656,576; Jan. 17.
- Sullivan Maurice S., Meriden, Conn. Nursing-bottle holder. 1,692,098; Nov. 20.
- Sullivan Printing Works Company, The. (See Sullivan William S., assignor.)
- Sullivan, Raymond H., assignor to North East Electric Company, Rochester, N. Y. Electric system. 1,681,265; Aug. 21.
- Sullivan, Raymond H., assignor to North East Electric Company, Rochester, N. Y. Electric-lighting system. 1,685,576; Sept. 25.
- Sullivan, Sarah B., Berkeley, Calif. Furring and fastening device. 1,695,934; Dec. 18.
- Sullivan, Thomas J., Tuscaloosa, Ala. Governor for carbide-gas generators. 1,671,751; May 29.
- Sullivan, William J., assignor of one-half to C. P. Mertens, Chicago, Ill. Burner. 1,683,967; Oct. 2.
- Sullivan, William S., assignor to The Sullivan Printing Works Company, Cincinnati, Ohio. Daily calendar or similar article. Des. 76,269; Sept. 4.
- Sullivan, William S., assignor of forty-five per cent to J. G. Cumming, Washington, D. C. Hydro air compressor. 1,690,912; Nov. 6.
- Sullivan, William T., Cincinnati, Ohio. Binding post for calendar pads and the like. 1,661,315; Mar. 6.
- Sulzberger, Nathan, New York, N. Y. Photography. 1,658,177; Feb. 7.
- Sulzer, Albert R., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture-film strip. 1,687,044; Oct. 9.
- Sulzer Freres Societe Anonyme. (See Kägi, Emil, assignor.)
- Sulzer Freres, Societe Anonyme. (See Schaer, Charles, assignor.)
- Sulzer Freres Societe Anonyme. (See Zbinden, Eugen, assignor.)
- Sumet Corporation. (See Judy, Wilbur H., assignor.)
- Sumi, Yoji, San Francisco, Calif. Combined coat hanger and brush. Des. 77,134; Dec. 4.
- Summerhayes, W. Keath, Jr., Louisville, Ky. Advertising device. 1,685,102; Sept. 25.
- Summers, Arthur D., assignor to Speedometer Lock-Seal Company, Los Angeles, Calif. Combined locking device and seal. 1,683,932; Sept. 11.
- Summers, Caleb E., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. 1,668,471; May 1.
- Summers, Caleb E., assignor to General Motors Research Corporation, Dayton, Ohio. Torsional vibration indicator and recorder. 1,679,995; Aug. 7.
- Summers, Caleb E., assignor to General Motors Research Corporation, Detroit, Mich. Ventilating device for engine crank cases. 1,682,992; Sept. 4.
- Summers, Caleb E., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion engine. 1,682,998; Sept. 4.
- Summers, Caleb E., and R. K. Lee, assignors to General Motors Research Corporation, Detroit, Mich. Motor mounting. 1,694,758; Dec. 11.
- Summers, Frank, assignor of one-half to L. Urbancie, Memphis, Tenn. Auger. 1,684,291; Sept. 11.
- Summers, Ivan H., Lynn, Mass., assignors to General Electric Company. Coil winding. 1,677,007; July 10.
- Summers, Kenneth E., assignor to Bethel-Player Co., Westboro, Mass. Lapping machine. 1,662,137; Mar. 13.
- Summers, Leland L. (See Deppé, W. P., and Summers.)
- Summers, Llewellyn L. B., et al., administrators. (See Deppé, W. P., and Summers.)
- Summers, Louis D., assignor to Franz and Summers, Springfield, Ill. Hot-water and steam heat economizer for furnaces. 1,657,771; Jan. 31.
- Summers, Otto M., Dayton, Ohio. Valve cap. 1,659,751; Feb. 21.
- Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 1,696,459; Dec. 25.
- Summers, Samuel L., Fort Washington, Pa. Ester of salicylic acid and pyruvic acid. 1,689,696; Oct. 30.
- Summers, Warren R., San Diego, Calif. Cryptogram. 1,681,066; Aug. 14.
- Summey, David L., Waterbury, Conn. Resistor and support therefor. 1,671,794; May 29.
- Sumner, Henry W., Seattle, Wash. Air-supply system for two-stroke-cycle engines. 1,660,942; Feb. 28.
- Sumney, David L., Waterbury, Conn. Conveyor for heating furnaces. 1,693,568; Nov. 27.
- Sumpter, Benjamin F., Wichita Falls, Tex., D. E. Winfree, Chickasha, Okla., and E. B. Robirds, Wichita Falls, Tex. Oil well derrick. 1,677,738; July 17.
- Sunbar Manufacturing Company. (See Glover, William M., assignor.)
- Sunbeam Electric Manufacturing Company. (See Jones, Earl W. and L. B., and Battin, assignors.)
- Sunbeam Electric Manufacturing Company. (See Jones, L. B., and Werzner, assignors.)
- Sunbeam Electric Manufacturing Company. (See Richard, William E., assignor.)
- Sund, Walter F. (See Fischer, G. W., and Sund.)
- Sunday, Frank, assignor of one-half to M. L. Finn, Detroit, Mich. Belt connector. 1,673,378; June 12.
- Sunday, James J. (See Kelch, J. W., and Sunday.)
- Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable-fastener slider. 1,661,144; Feb. 28.
- Sundberg, Karl. (See Vos, M., and Sundberg.)
- Sundberg, Karl, Rasunda, assignor to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Method and device for detecting and locating ores in an electromagnetic way. 1,678,489; July 24.
- Sundell, Godfrey E. and W. R. Ridgway, Pa. Automobile accessory. 1,674,807; June 26.
- Sundell, Walter R. (See Sundell, Godfrey E. and W. R.)
- Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Rope thimble. 1,680,346; Aug. 14.
- Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Socket for wire cables or strands. 1,680,347; Aug. 14.
- Sunderman, Frederick R. (See Vande Water, F. C., and Sunderman.)
- Sunder, John, Duluth, Minn. Pipe-bending device. 1,664,138; Mar. 27.
- Sundh, August, Hastings-upon-Hudson, N. Y. Flash light. 1,692,394; Nov. 20.
- Sundh Electric Company. (See Larsen, Louis, assignor.)
- Sundland Sales Cooperative Association. (See Payne, L. Roy, assignor.)
- Sundquist, John V., Norwood, Mass. Staple or the like. 1,669,312; May 8.
- Sundquist, John V., Norwood, Mass. Securing device. 1,690,041; Oct. 30.
- Sundstrand Corporation. (See Sundstrand, Gustaf D., assignor.)
- Sundstrand Corporation, The. (See Sundstrand, Oscar J., assignor.)
- Sundstrand Engineering Company. (See Sundstrand, Gustaf D., assignor.)
- Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Lathe. 1,663,670; Mar. 27.
- Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Lathe. 1,663,671; Mar. 27.
- Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Lathe. 1,672,475; June 5.
- Sundstrand, Gustaf D., assignor, by mesne assignments, to Sundstrand Engineering Company, Rockford, Ill. Oil burner. 1,687,114; Oct. 9.
- Sundstrand, Gustaf D., Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del. Adding and listing machine. 1,694,362; Dec. 4.
- Sundstrand, Gustaf D., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 1,694,363; Dec. 4.
- Sundstrand Machine Tool Co. (See Sundstrand, Gustaf D., assignor.)
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Sundstrand Corporation, Wilmington, Del. Attaching coiled springs. 1,664,647; Apr. 3.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Sunstrand Corporation, Wilmington, Del. Cash register. 1,693,259; Nov. 27.
- Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to The Sundstrand Corporation, Wilmington, Del. Adding and listing machine. 1,694,803; Dec. 11.
- Sundt, Edward V., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Contact device. 1,657,235; Jan. 24.
- Sundvik, Karl H. (See Johnson, G. M., and Sundvik.)
- Sunland Sales Cooperative Association. (See Forrest, Thomas W. W., assignor.)
- Sunland Sales Cooperative Association. (See Pitts, Edmund M., assignor.)
- Sunlight Electric Manufacturing Company, The. (See Kingston, Frederick S., assignor.)
- Sunlite Company, The. (See Schultz, Louis, assignor.)
- Sun-Maid Raisin Growers. (See Ripley, David W., assignor.)

- Sun-Maid Raisin Growers of California. (See Hyde, Clarence E., assignor.)
- Sun-Maid Raisin Growers of California. (See Forrest, Thomas W. W., assignor.)
- Sun-Maid Raisin Growers of California. (See Ripley, David W., assignor.)
- Sunny Line Appliances, Incorporated. (See Copley, Noiberto G., assignor.)
- Sun Oil Company. (See Alleman, Gellert, assignor.)
- Sun Oil Company. (See Maitland, Harold T., assignor.)
- Sun Oil Company. (See Pew, Arthur E., jr., assignor.)
- Sun Oil Company. (See Pew, A. E., jr., and Thomas, assignors.)
- Sun Oil Company. (See Pew, Joseph N., jr., assignor.)
- Sun Rise Lamp Mfg. Co. (See Hecht, Leo, assignor.)
- Sun Rise Lamp Mfg. Co. (See Zweig, Louis, assignor.)
- Sun Rise Lamp Mfg. Co. Inc. (See Zweig, Louis, assignor.)
- Sun Rubber Company. (See Lower, Melvin S., assignor.)
- Sunset Feather Company. (See Krobitzsch, Robert W., assignor.)
- Sunset Feather Company. (See Simmen, Frank P., assignor.)
- Sun Typewriter Company. (See Nemcovsky, Louis A., assignor.)
- Supan, Milton C., Mineral, Calif. Adjustable post for supporting an automobile axle. 1,693,411; Nov. 27.
- Super-Ball Antenna Co. (See Colburn, Beryl E., assignor.)
- Super-Diesel Tractor Corporation. (See Scott, Philip L., assignor.)
- Superheater Company, The. (See Barnes, John A., assignor.)
- Superheater Company, The. (See Brandt, Carl A. W., assignor.)
- Superheater Company, The. (See Broido, Benjamin, assignor.)
- Superheater Company, The. (See Broido, Benjamin N., assignor.)
- Superheater Company, The. (See Broido, B., and Swartz, assignors.)
- Superheater Company, The. (See Brooks, C. E., and Brandt.)
- Superheater Company, The. (See Griffin, Joseph F., assignor.)
- Superheater Company, The. (See Hard, Malcolm, assignor.)
- Superheater Company, The. (See Hardy, Charles R., assignor.)
- Superheater Company, The. (See Magis, Auguste A. G., assignor.)
- Superheater Company, The. (See Oatley, Henry B., assignor.)
- Superheater Company, The. (See Ostermann, Rudolf M., assignor.)
- Superheater Company, The. (See Rawson, Emanuela, assignor.)
- Superheater Company, The. (See Ringel, Charles, assignor.)
- Superheater Company, The. (See Thomsen, Peter, assignor.)
- Superheater Company, The. (See Van Meter, Roy J., assignor.)
- Superior Engineering Company. (See Clafin, Charles A., assignor.)
- Superior Engineering Company. (See Mars, Thomas H., assignor.)
- Superior Engineering Company Limited. (See Wheeler, Robert C., assignor.)
- Superior Equipment Corporation. (See Thompson, Clarence W., assignor.)
- Superior Foundry Company, The. (See Rychtarik, Richard, assignor.)
- Superior Mfg. Co., The. (See De Baugh, H. L., Meeks, and Strayer, assignors.)
- Superior Motor Coach Body Co. (See Paul, Sydney, assignor.)
- Superior Screw & Bolt Manufacturing Company, The. (See Simkins, H. D., and Burkhardt, assignors.)
- Superior Sheet Steel Company. (See Theiss, Harry W., assignor.)
- Superior Switchboard & Devices Company, The. (See Newman, Thomas J., assignor.)
- Superold Manufacturing Company. (See Engel, Joseph, assignor.)
- Supertile Machinery Corporation. (See Flam, Stephen, assignor.)
- Superwear Manufacturing Corporation. (See Dean, William J., assignor.)
- Suppes, George P., Johnstown, Pa. Making furnace lining. 1,661,859; Mar. 6.
- Supplee, Russell R., Bridgeport, Pa. Automatic safety angle cock. 1,666,478; Apr. 17.
- Supreme Guardian Council of the Order of Job's Daughters. (See Redman, Effie R., assignor.)
- Supreme Oilburner Company. (See Peterson, George, assignor.)
- Sure-Guard Corporation. (See Schauman, K. O., Yancey, and Mifsud, assignors.)
- Suren, Nathan H., Needham, assignor to The Gamewell Company, Newton Upper Falls, Mass. Multispeed variable-signal transmitter. 1,687,045; Oct. 9.
- Surface Combustion Company, The. (See Harris, William J., jr., assignor.)
- Surface Combustion Company. (See Hepburn, William M., assignor.)
- Surface Combustion Company. (See Lundborg, Joseph, assignor.)
- Surface Combustion Company. (See Manker, Forrest W., assignor.)
- Surface Combustion Company. (See Vaughn, Sidney P., assignor.)
- Surface Combustion Co. Incorporated, The. (See Hepburn, William M., assignor.)
- Surface Combustion Co. Incorporated, The. (See Maz-zocco, Dante V., assignor.)
- Surratt, Charlie B. (See Moore, E. H., and Surratt.)
- Susbauer, John A. (See Ackerman, Peter, assignor.)
- Susquehanna Collieries Company. (See Grant, R. F., Worthington, and Jacobus, assignors.)
- Susquehanna Silk Mills. (See Bunting, James H., assignor.)
- Sussin, Victor, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Automobile bumper. 1,666,111; Apr. 17.
- Sussman, Julius L., Kew Gardens, N. Y., assignor to Steel & Tubes, Inc., Cleveland, Ohio. Metal tube. 1,666,401; Apr. 17.
- Sussman, Maxwell H., Kew Gardens, N. Y., assignor to The Elyria Iron and Steel Company, Cleveland, Ohio. Mechanism for removing burrs from tubes. 1,678,963; July 31.
- Sussmann, Hugo, Chemnitz, Germany. Stocking frame. 1,677,219; July 17.
- Sutcliffe, James A. and J. H. A., Crumpsall, Manchester, England; said James A. Sutcliffe assignor to said J. H. A. Sutcliffe. Sliver and analogous can. 1,672,581; June 5.
- Sutcliffe, John H. A. (See Sutcliffe, James A. and J. H. A.)
- Sutcliffe, John W., London, England. Sealing jars and the like containers and improved sealing capsule therefor. 1,661,977; Mar. 6.
- Sutcliffe, Tom, London, England. Capping machine. 1,696,819; Dec. 25.
- Suter, Eugene F., London, England. Apparatus for waving or curling the hair. 1,694,607; Dec. 11.
- Suter, George L., et al. (See Andrew, N. P., Macfie, and Rose, assignors.)
- Suter, Jacob, West New York, N. J. Window construction. 1,679,278; July 31.
- Suter, Philipp, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Induction regulator. 1,657,445; Jan. 24.
- Suter, Philipp, assignor to A. G. Brown Boveri & Cie., Baden, Switzerland. Machine mounting. 1,686,993; Oct. 9.
- Sutfin, Willis A., Marysville, Calif. Auto camp bed. 1,682,440; Aug. 28.
- Sutherland, Alexander K., assignor to Moe-Bridges Company, Milwaukee, Wis. Automatic clamping ceiling fixture. 1,668,831; May 8.
- Sutherland, Ernest E., and F. F. Forshee, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company. Heating unit. 1,695,869; Dec. 18.
- Sutherland, George, assignor to The J. E. Harris Company, Wooster, Ohio. Waterproofing composition. 1,658,540; Feb. 7.
- Sutherland, Gilbert. (See Randle, C. I., and Anderson, assignors.)
- Sutherland, J., et al., trustees. (See Burrow, George A., assignor.)
- Sutherland, Lorne R. (See Allen, S. B., and Sutherland.)
- Sutherland, William C., Keighley, assignor to Work Meters Limited, London, England. Time-controlled driving mechanism for recording surfaces. 1,659,336; Feb. 14.
- Sutherland, William T., Chicago, Ill. Tire cover. 1,684,420; Sept. 18.
- Sutherland, Lee, and H. M. Freeman, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electron-discharge-tube structure. 1,667,907; May 1.
- Sutliff, Wayne N., Brea, Calif. Slush-pump piston. 1,678,365; July 24.
- Sutter, Charles, Suresnes, assignor to Société Anonyme des Anciens Etablissements Hotchkiss & Compagnie, St. Denis, Seine, France. Combined loader ejector and safety mechanism for automatic firearms. 1,656,845; Jan. 17.
- Sutter, Josiah H., Wichita, Kans. Heating apparatus. 1,689,937; Oct. 30.
- Suthery, Frank B. C., London, England. Device converting pipe wrenches into pipe vises. 1,665,182; Apr. 3.
- Suttle, John E., Houston, Tex. Carton cover. 1,657,325; Jan. 24.
- Sutton-Abramsen Engineering Company. (See Wise, George A., assignor.)
- Sutton, Henry M., and W. L. and E. G. Steels, Dallas, Tex. One-fan combined dust-collecting and air-supply system for pneumatic separators and cleaners. 1,676,969; July 10.

- Sutton, Henry M., and W. L. and E. G. Steele, Dallas, Tex. Process and apparatus for dry milling of coal and its by-products. 1,679,922; Aug. 7.
- Sutton, Henry M. and W. L., and E. G. Steele, Dallas, Tex. Cutting finger for separating machines. 1,692,910; Nov. 27.
- Sutton, John C., assignor to Sutton Shops, Inc., Rockford, Ill. Cap. Des. 75,297; May 22.
- Sutton, John H., La Grange, N. C. Fastening device. 1,670,995; May 22.
- Sutton, Margaret M., Baxter Springs, Kans. Nursery chair. Des. 76,069; Aug. 14.
- Sutton, Margaret M., Baxter Springs, Kans. Table. Des. 76,070; Aug. 14.
- Sutton Shops, Inc. (See Sutton, John C., assignor.)
- Sutton, Sidney D., London, assignor to Veedip Limited, Brentford, England. Manufacture of rubber articles. 1,670,598; May 22.
- Sutton, Walter A., and F. M. Kelso, Oxnard, Calif. Sucker-rod coupling. 1,658,264; Feb. 7.
- Suvan, Betty, Chicago, Ill., assignor to E. Sullivan, Detroit, Mich. Stationery holder. 1,656,683; Jan. 17.
- Suydam, Willard V. (See Dorman, W. R., Suydam, and Stoneleigh.)
- Suzuki, Koji. (See Iymori, S., and Suzuki.)
- Suzuki, Masaoki, Berlin, Germany. Chalk holder. 1,674,808; June 26.
- Suzuki, Saburotsuke. (See Takayama, Yoshitaro, assignor.)
- Suzuki, Tsuneo, and S. Sakurai, assignors to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Producing a new acid and its salts strongly absorbing ultra-violet rays. 1,684,562; Sept. 18.
- Svanberg, Gustav A., assignor of one-half to A. A. Hayek, Fort Lee, N. J. Coin-controlled photographic machine. 1,680,709; Aug. 14.
- Svanoe, Hans, Niagara Falls, assignor to The Ammonia Corporation, New York, N. Y. Temperature control in the synthetic production of ammonia and the like. 1,678,964; July 31.
- Syed, Alexander, New York, N. Y. Incandescent electric lamp. 1,676,300; July 10.
- Svenska Aktiebolaget Mono. (See Rodhe, Olof, assignor.)
- Svenska Radioaktiebolaget. (See Vos, M., and Sundberg, assignors.)
- Svenson, Albert S., Clifton, N. J. Radiator valve. 1,673,648; June 12.
- Svenson, Anders W., Vanersborg, Sweden. Apparatus for assorting coins. 1,663,422; Mar. 20.
- Svensson, Henning. (See Sievert, E. G., and Svensson.)
- Svensson, Karl J., Lidings Villastad, and K. A. P. Norling, Sodertorns Villastad, Sweden. Centrifugal treatment of liquids. 1,659,222; Feb. 14.
- Svensson, Karl J., Lidings Villastad, and K. A. P. Norling, Sodertorns Villastad, Sweden. Centrifugal separating machine. 1,683,424; Sept. 4.
- Svensson, Karl J., Lidings Villastad, and K. A. P. Norling, Sodertorns Villastad, Sweden. Drum for centrifugal separating apparatus. 1,688,838; Oct. 23.
- Svoren, Martin J. (See Meltzer, H. E., and Svoren.)
- Swab, Jay G., assignor to H. Trenchard, Jr., Brooklyn, N. Y. Blank-feeding device. 1,671,943; May 29.
- Swain, Harold S., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 1,682,810; Sept. 4.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Wheel. 1,669,498; May 15.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Wheel. 1,677,854; July 17.
- Swain, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Vehicle wheel. 1,690,999; Nov. 6.
- Swain, Mack M., Los Angeles, Calif. Accelerator-pedal-operating unit. 1,671,169; May 29.
- Swales, Ernest and J., Manchester, England. Direction indicator for vehicles. 1,657,236; Jan. 24.
- Swales, James. (See Swales, Ernest and J.)
- Swan, Abram, Jr., Trenton, N. J. Sign. 1,660,895; Feb. 28.
- Swan, Daniel O., Lowell, Mass. Tobacco-pipe attachment. 1,656,086; Jan. 10.
- Swan, Donald, Grosse Ile, Mich. Golf club. 1,678,750; July 31.
- Swan, Harry B., Detroit, Mich. Liquid-level gauge. 1,680,485; Aug. 14.
- Swan, Harry L., Milbank, S. Dak. Combined portable rim contractor, spare-tire lock, and carrier. 1,672,918; June 12.
- Swan Heating Company. (See Pickering, C. H., and Campbell, assignors.)
- Swan, Hyllton, Upper Montclair, N. J., assignor to Bake-lite Corporation, New York, N. Y. Making impressions. 1,667,447; Apr. 24.
- Swan, Hyllton, Upper Montclair, N. J., assignor to Bake-lite Corporation, New York, N. Y. Making metal impressions. 1,669,358; May 8.
- Swan, John H., Chicago, Ill. Dual thermostat. 1,660,586; Feb. 28.
- Swan, Joseph G., assignor to The Firestone Steel Products Company, Akron, Ohio. Counterweight. 1,677,855; July 17.
- Swan, Judge, Detroit, Mich. Left-hand-turn light. 1,682,638; Aug. 28.
- Swan Metallic Seal & Cap Company. (See Tevander, Swan N., assignor.)
- Swan, William B., Seymour, Conn. Display board. 1,674,308; June 19.
- Swanberg, Arthur W., assignor of one-half to B. P. Higby, Youngstown, Ohio. Lubricating mixture. 1,696,152; Dec. 18.
- Swanberg, Floyd L. (See Scoville, Eugene M., assignor.)
- Swanberg, Julius, assignor to Swanberg Manufacturing Company, Chicago, Ill. Pencil. 1,678,656; July 31.
- Swanberg Mfg. Co. (See Johnson, Charles J., assignor.)
- Swanberg Manufacturing Company. (See Swanberg, Julius, assignor.)
- Swanby, George E., Burlington, Wash. Battery carrier. 1,655,744; Jan. 10.
- Swancomb, Walter C., Cleveland, Ohio. Automatic limit stop. 1,686,882; Oct. 9.
- Swaney, Clarence S., Los Angeles, Calif. Bearing-clearance micrometer. 1,656,302; Jan. 17.
- Swangren, Edwin V., Maywood, assignor of one-half to W. M. Stevenson, Evanston, Ill. Mechanism for feeding sheet-metal blanks and the like. 1,689,756; Oct. 30.
- Swank, Arthur H., Fremont, Ohio. Knife handle. 1,662,405; Mar. 13.
- Swank, Arthur L., assignor to Long Manufacturing Company, Detroit, Mich. Radiator. 1,693,260; Nov. 27.
- Swank, Lafe, assignor to Dwiggins Wire Fence Company, Anderson, Ind. Wire-fence machine. 1,670,172; May 15.
- Swanlund, Sven G., Chicago, Ill. Window scaffold. 1,691,678; Nov. 13.
- Swann, James S., assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,656,087; Jan. 10.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,656,088; Jan. 10.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 1,658,400; Feb. 7.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Slub catcher or yarn cleaner. 1,665,287; Apr. 10.
- Swanson, Ernest R., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Tension device. 1,673,214; June 12.
- Swanson, Guss A., Chicago, Ill. Swing. 1,659,223; Feb. 14.
- Swanson, Hugo R. and W. H. Robinson, Brooklyn, assignors to Triangle Kapok Machine Corporation, New York, N. Y. Apparatus for preparing felt fillers for mattresses. 1,668,575; May 8.
- Swanson, Hugo R., Brooklyn, and K. M. Van Rensselaer, Woodmere, assignors to Triangle Kapok Machine Corporation, New York, N. Y. Mattress-filler-treating machine. 1,692,960; Nov. 27.
- Swanson, John C., St. Louis, Mo. Violin. 1,668,832; May 8.
- Swanson, Otto T., Kingston, Ill. Radiocabinet. Des. 75,594; June 19.
- Swanson, Peter N., Kewanee, Ill. Farm gate. 1,668,344; May 1.
- Swanson, Swan J., St. Louis, Mo. Rotary amusement device. 1,671,329; May 29.
- Swanson, Swan J., St. Louis, Mo. Toy. 1,676,062; July 3.
- Swanson, Verner J., Quapaw, Okla., assignor to The A. L. Powell Company Incorporated, Miles City, Mont. Cylinder head and cooling system. 1,687,353; Oct. 9.
- Swanstrom, Arthur R., Duluth, Minn. Horseshoe. 1,688,601; Oct. 23.
- Swars, Paul G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley frog. 1,680,704; Aug. 14.
- Swart, William J. (See Fawcett, Alvin A., assignor.)
- Swartley, Harry M., Philadelphia, Pa. Weighing device. 1,689,978; Oct. 30.
- Swartwout Company, The. (See Barrett, Joseph M., assignor.)
- Swartwout, Duane F., Los Angeles, Calif. Signal-lamp casing. Des. 77,045; Nov. 27.
- Swartwout, Everett W., White Plains, N. Y. Steam engine. 1,678,309; July 24.
- Swartz, Alfred H., Cleveland, and D. S. Tucker, Cleveland Heights, Ohio. Tube cleaner. 1,658,617; Feb. 7.
- Swartz, Frank C. (See Jones, D. B., and Swartz.)
- Swartz, Guy E., Redford, Mich. Drill jig. 1,658,748; Feb. 7.
- Swartz, Hiram B., Wooster, Ohio. Voting-machine counter reader. 1,689,087; Oct. 23.
- Swartz, Ira T. (See Baker, Arthur R., assignor.)
- Swartz, Ira T., assignor, by mesne assignments, to I. T. Swartz, trustee, Indianapolis, Ind. Charge-forming device. 1,679,279; July 31.
- Swartz, Ira T., and A. R. Baker, Indianapolis, Ind.; said Baker assignor to said Swartz. Carburetor. 1,656,342; Jan. 17.
- Swartz, Ira T., and A. R. Baker, Indianapolis, Ind.; said Baker assignor to said Swartz. Carburetor. 1,669,070; May 8.
- Swartz, Ira T., trustee. (See Swartz, Ira T., assignor.)
- Swartz, Litch J., Wenatchee, Wash. Vehicle spring tire. 1,692,711; Nov. 20.
- Swartz, Otto E. (See Lahr, H. I., and Swartz.)
- Swartz, Ralph M. (See Broido, B., and Swartz.)

- Swartz, William H., assignor to General Machine Works York, Pa. Sharpener. 1,672,547; June 5.
- Swartzbaugh Manufacturing Company, The. (See Ziola, Henry A., assignor.)
- Swartzlander, Thomas H. (See Kutchka, K. G., and Swartzlander.)
- Swasey, Carleton F., New Canaan, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Casing and support for electrical apparatus. 1,696,260; Dec. 25.
- Swasey, George T., Raymond, Wash. Fountain pen. 1,687,807; Oct. 16.
- Swearingen, Dudley V., Chicago, Ill. Lawn guard. Des. 76,563; Oct. 9.
- Swearingin, Rubin M., Birmingham, Ala. Carburetor. 1,688,029; Oct. 16.
- Sweatt, Harold W., assignor to Minneapolis Heat Regulator Co., Minneapolis, Minn. Unit-heater control. 1,665,801; Apr. 10.
- Sweatt, Harold W., assignor to Minneapolis Heat Regulator Co., Minneapolis, Minn. Unit-heater control. 1,673,057; June 12.
- Sweatt, Harold W., and F. S. Denison, assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat-regulating system. 1,671,910; May 29.
- Swedish Crucible Steel Company. (See Bretaud, Joseph V., assignor.)
- Swedish Crucible Steel Company. (See Olson, Nels L., assignor.)
- Swedman, Enoch, St. Paul, Minn., assignor to Seeger Refrigerator Company. Refrigerator. 1,684,563; Sept. 18.
- Sweeney and Boland. (See Gibbs, Oscar D., assignor.)
- Sweeney, Clarence E., Ridgewood, N. J. Printed fabric. Des. 74,199; Jan. 3.
- Sweeney, Dennis, Farmingdale, N. Y. Necklace. Des. 74,705; Mar. 13.
- Sweeney, Edward J., Niagara Falls, N. Y. Vegetable cutter. 1,672,045; June 5.
- Sweeney, James. (See Moore, Elmer E., assignor.)
- Sweeney, James A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,664,577; Apr. 8.
- Sweeney, James A., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle temple. 1,665,940; Apr. 10.
- Sweeney, John T., Kingston, N. Y. Can opener. 1,667,360; Apr. 24.
- Sweeney, Joseph J. (See Heck, J. B., jr., and Sweeney.)
- Sweeney, Orland R., Ames, Iowa, assignor to Ward-Love Pump Corporation, Rockford, Ill. Brine tank for water softeners. 1,693,829; Dec. 4.
- Sweeney, William P., Minneapolis, Minn. Union garment. 1,659,451; Feb. 14.
- Sweeny, John S., Galveston, Tex. Flush tank. 1,667,750; May 1.
- Sweeny, Robert P., Greenville, S. C. Suction nozzle. Des. 75,195; May 15.
- Sweet, Andrew T., assignor of one-fourth to W. G. Rice, and one-fourth to H. Gundlach, Houghton, Mich., and one-tenth to P. B. Woodworth, Chicago, Ill. Metallurgical separator. 1,678,884; July 31.
- Sweet, Burton W., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Screw driver. 1,679,185; July 31.
- Sweet, Donald H., Chicago, Ill. Shock absorber. 1,660,457; Feb. 28.
- Sweet, Donald H., Evanston, assignor to The Bassick Manufacturing Company, Chicago, Ill. Measuring valve. 1,679,882; Aug. 7.
- Sweet, Frederick A., Salt Lake City, Utah. Portable overcast. 1,664,646; Apr. 3.
- Sweet, Henry W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Adjustable clutch brake. 1,686,352; Oct. 2.
- Sweet, Ida E. (See Sweet, James C., assignor.)
- Sweet, James C., assignor of one-half to I. E. Sweet, Flint, Mich. Auto headlight dimmer. 1,691,832; Nov. 13.
- Sweet, Silas C., et al. (See Moss, G. R., and Parks, assignors.)
- Sweet, William R., et al. (See Gillenwaters, Frank M., assignor.)
- Sweet, Willis M., Niles, Mich. Dirigible headlight. 1,666,867; Apr. 17.
- Sweetland, Ernest J. (See Greenhalgh, George H., assignor.)
- Sweetland, Ernest J., Montclair, N. J. Filter. 1,666,515; Apr. 17.
- Sweetland, Ernest J., Montclair, N. J. Gas diffuser. 1,677,502; July 17.
- Sweetland, Ernest J., Montclair, N. J. Filter. 1,677,503; July 17.
- Sweetland, Ernest J., Hazleton, Pa. Apparatus for filtering. 1,670,319; May 22.
- Sweetland, Ernest J., Hazleton, Pa. Filter. 1,680,029; Aug. 7.
- Sweetland, Ernest J., Hazleton, Pa. Apparatus for filling fragile containers. 1,693,261; Nov. 27.
- Sweetland, William H., San Diego, Calif. Therapeutic percussor. 1,660,821; Feb. 28.
- Sweetnam, George E., and J. Oreck, Chicago, Ill., assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain-pen desk set. 1,696,218; Dec. 25.
- Sweets Company of America, Inc., The. (See Dunn, George H., assignor.)
- Sweets Company of America, The. (See Fehn, Henry A., assignor.)
- Sweets Company of America, Inc., The. (See Ganz, William and H., assignors.)
- Sweetser, George T., Bronxville, N. Y. Soft collar. 1,677,504; July 17.
- Sweetser, George T., New York, N. Y. Collar. 1,695,474; Dec. 18.
- Swiegar, Emanuel W., San Diego, Calif. Combination chair and stepladder. 1,663,960; Mar. 27.
- Swiegart, Samuel C., Linglestown, Pa. Casket support and transfer. 1,679,797; Aug. 7.
- Swenarton, Waitstill H. (See Stringham, J. H., Greene, and Swenarton.)
- Swendiman, George A., Grand Forks, N. Dak. Dental apparatus. 1,688,670; Oct. 23.
- Sweningson, Louis. (See Conhaim, F., and Sweningson.)
- Swenka, John, North Liberty, Iowa. Gate latch. 1,663,867; Mar. 27.
- Swensen, Alfred, Riverside, Ill. Washing machine. 1,679,798; Aug. 7.
- Swensen, Alfred, Riverside, assignor to The Cable Company, Chicago, Ill. Automatic musical instrument. 1,687,046; Oct. 9.
- Swenson, Carl E., assignor of one-fourth to L. Faust, one-fourth to E. S. Ekstrom, and one-fourth to C. L. Anderson, Rockford, Ill. Universal joint. 1,673,925; June 19.
- Swenson, Carl O., assignor to J. P. Nielsen, Chicago, Ill. Lock washer. 1,660,772; Feb. 28.
- Swenson, Carl O., assignor to Consolidated Steel Strapping Company, Chicago, Ill. Machine for making corrugated fasteners. 1,682,862; Sept. 4.
- Swenson, Carl O., assignor to Consolidated Steel Strapping Company, Chicago, Ill. Making corrugated fasteners. 1,682,863; Sept. 4.
- Swenson, Carl O., assignor to Consolidated Steel Strapping Company, Chicago, Ill. Machine for making corrugated fasteners. 1,682,864; Sept. 4.
- Swenson, Swen R., South Orange, N. J., assignor to Multiple Electric Products Company, Inc., New York, N. Y. Separable plug. 1,660,279; Feb. 21.
- Swenson, Swen R., South Orange, N. J., assignors to Multiple Electric Products Company, Inc., New York, N. Y. Sound-reproducing device and adjusting means therefor. 1,665,044; Apr. 8.
- Swenson, Swen R., South Orange, N. J., assignor to Multiple Electric Products Company, Inc., New York, N. Y. Telephone receiver. 1,665,045; Apr. 8.
- Swett, Charles E., West Roxbury, assignor to United States Envelope Company, Springfield, Mass. Treatment of transparent material. 1,656,803; Jan. 17.
- Swett, Erman N., South Sioux City, Nebr. Tee-forming blank. 1,661,513; Mar. 6.
- Swick, Seward E., Detroit, Mich., assignor to International Time Recording Company, Endicott, N. Y. Time recorder. 1,672,009; June 5.
- Swift & Company. (See Covey, John E., assignor.)
- Swift Electric Welder Company. (See Woolfer, Herbert A., assignor.)
- Swift, George H. (See Bolick, Charles W., assignor.)
- Swift, George L., assignor to Brown & Bigelow, St. Paul, Minn. Milk-bottle cap. 1,677,155; July 17.
- Swift, George W., jr., Inc. (See Swift, George W., jr., assignor.)
- Swift, George W., jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Sheet delivery and stacking mechanism. 1,657,595; Jan. 31.
- Swift, George W., jr., assignor to G. W. Swift, jr., Inc., Bordentown, N. J. Angularly adjustable rotary cutter, splitter, creaser, and the like. 1,662,871; Mar. 20.
- Swift, Lewis B., assignor to Taylor Instrument Companies, Rochester, N. Y. Process-control system. 1,693,677; Dec. 4.
- Swift, Matthew D., Seattle, Wash. Ventilator. 1,673,379; June 12.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Toilet-paper fixture. 1,687,741; Oct. 16.
- Swimmer, Robert, New York, N. Y. Combined electric-lamp holder and reflector. Des. 74,954; Apr. 17.
- Swindell, Joseph R., Baltimore, Md. Bottle. Des. 74,244; Jan. 10.
- Swindle, Monroe F. (See Austin, T. W., and Swindle.)
- Swing, Alfred, East Orange, N. J., assignor, by mesne assignments, to Federated Engineers Development Corporation. Apparatus for testing saw blades. 1,656,452; Jan. 17.
- Swingspout Measure Co. (See Allen, S. E., and Wiswell, assignors.)
- Swinney, Frederick, deceased, by R. L. Swinney, administratrix, Tucson, Ariz. Froth-fotation concentration of ores. 1,688,998; Oct. 23.
- Swinney, Rose L., administratrix. (See Swinney, Frederick.)
- Swiss Locomotive and Machine Works. (See Bischof, Bernhard, assignor.)
- Switzeny, Paul, Vienna, Austria. Machine for fixing clasps. 1,687,906; Oct. 16.
- Switzer, Henry W., Hamilton, Ontario, Canada, assignor to W. H. Heimbach, Snyder, N. Y. Wrench. 1,678,793; July 31.
- Switzer, Joseph. (See Geyer, J., and Switzer.)

- Switzer, Maurice, assignor to M. G. Scheuer, New York, N. Y. Radiator-front cover. 1,694,358; Dec. 4.
- Switzer, Sam, Casper, Wyo. Back cushion for vehicle seats. 1,662,216; Mar. 13.
- Switzer, William G. (See Weir, A. W., Weingarten, and Switzer.)
- Swoboda, H. O., Inc. (See Richards, Earl M., assignor.)
- Swoboda, H. O., Inc. (See Swoboda, Hans O., assignor.)
- Swoboda, Hans O., Edgewood, assignor to H. O. Swoboda, Inc., Pittsburgh, Pa. Electric oven heater. 1,658,615; Feb. 7.
- Sworaski, Michael, Philadelphia, Pa. Automatic train control. 1,664,868; Apr. 3.
- Swoyer, Harry, Dunkirk, N. Y. Connecting rod for locomotives. 1,669,268; May 8.
- Sydney, Ernest, London, assignor to James Robinson & Sons (Romiley) Ltd., Stockport, England. Hydraulic and other press. 1,682,312; Aug. 28.
- Sykes, Charles J., assignor to L. J. Brainard, Chicago, Ill. Die-casting machine. 1,690,081; Oct. 30.
- Sykes, James F., Pittsburgh, Pa. Cabinet. 1,663,820; Mar. 27.
- Sykes, John P., Wallingford, and W. T. Thompson, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Valve-grinding machine. 1,657,943; Jan. 31.
- Sykes, Mal S., Jackson, Miss. Picture hook and wire adjusted. 1,688,562; Oct. 23.
- Sykes, William E., Slough, England. Cutter for generating gears. 1,668,345; May 1.
- Sykes, William E., Buffalo, N. Y. Flexible shaft coupling. 1,683,999; Sept. 11.
- Sykes, William E., Slough, England. Machine for cutting gear teeth. 1,694,041; Dec. 4.
- Sykes, William E., Buffalo, N. Y. Machine for cutting gear teeth. 1,694,042; Dec. 4.
- Sýkora, Vladislav, Smichov, Czechoslovakia. Gearing for transmitting motion from driving members to a plurality of driven members. 1,654,947; Jan. 3.
- Sylvander, Roy C. (See Hunt, F. L., and Sylvander.)
- Sylvester, Pascal, Chicago, Ill., assignor to Pascal Sylvester, Inc., Grille. 1,689,164; Oct. 23.
- Sylvester, Pascal, Inc. (See Sylvester, Pascal, assignor.)
- Sylwan, Per O. T., Forshaga, Sweden. Condensation exhaust for drying cylinders and such like. 1,664,907; Apr. 3.
- Symington Company, The. (See Barrows, Donald S., assignor.)
- Symington Company, The. (See Couch, Glenn F., assignor.)
- Symington Company, The. (See Drenning, Percy R., assignor.)
- Symington Company, The. (See Dunbeck, Joseph R., assignor.)
- Symington Company, The. (See Kadel, Byers W., assignor.)
- Symington Company, The. (See Martin, Mark H., assignor.)
- Symington, T. H., and Son, Inc. (See Drenning, Percy R., assignor.)
- Symington, T. H., & Son, Inc. (See Martin, Mark H., assignor.)
- Symington, T. H., & Son, Inc. (See Symington, T. H., and Drenning, assignors.)
- Symington, T. H., & Son, Inc. (See Symington, Thomas H., assignor.)
- Symington, Thomas H., assignor to T. H. Symington & Son, Inc., Baltimore, Md. Combined side-bearing and lateral-motion device. 1,657,327; Jan. 24.
- Symington, Thomas H., and P. R. Drenning, assignors to T. H. Symington & Sons, Inc., Baltimore, Md. Truck bolster with absorption mechanism. 1,663,394; Mar. 20.
- Symmes, Ernest M. (See Smith, R. B., and Symmes.)
- Symmes, Ernest M., assignor to Hercules Powder Company, Wilmington, Del. Producing abietic acid esters of polyglycerol. 1,696,337; Dec. 25.
- Symmes, Whitman, San Francisco, Calif. Electric-fixture support. 1,666,223; Apr. 17.
- Symmes, Whitman, San Francisco, Calif. Electric-fixture support. 1,680,576; Aug. 14.
- Symmes, Whitman, assignor to Thomas Day Company, San Francisco, Calif. Detachable electric fixture. 1,665,802; Apr. 10.
- Symmes, Whitman, G. H. Harman, and C. F. Duval, assignors to Thomas Day Company, San Francisco, Calif. Chandelier. 1,668,788; May 8.
- Symmes, Whitman, G. H. Harman, and C. F. Duval, assignors to Thomas Day Company, San Francisco, Calif. Lighting fixture. 1,668,789; May 8.
- Symonds, Harold D., and H. J. Cullen, New York, N. Y. Inlet box. 1,694,347; Dec. 4.
- Symons, Arthur H., Chicago, Ill. Head member for shores. 1,660,496; Feb. 28.
- Symphonaer Co., The. (See Winder, Charles F., assignor.)
- Syndicat Franco-Neerlandais. (See Daniel, Charles, assignor.)
- Synthetic Ammonia & Nitrates Limited. (See Smith, Philip A. and H. G., assignors.)
- Syntron Company. (See Clark, Emerson L., assignor.)
- Syntron Company. (See Fox, Harold E., assignor.)
- Syphonix Refrigerator Company. (See Munch, Walter, assignor.)
- Syracuse Industrial Gas Co. (See Henderson, Nelson H., assignor.)
- Syracuse Washing Machine Corporation. (See Bliss, Donald M., assignor.)
- Syracuse Washing Machine Corporation. (See Deubaugh, Mark A., assignor.)
- Syracuse Washing Machine Corporation. (See Wilkinson, G. C., and Geldhof, assignors.)
- Systrom, Ernest W., Detroit, assignor to R. T. Romine, Mount Clemens, Mich. Freight-car-door plate. 1,687,354; Oct. 9.
- Systrom, Ernest W., and J. F. Warren, Detroit, assignors to R. T. Romine, Mount Clemens, Mich. Stacking brace. 1,687,907; Oct. 16.
- Syvertsen, Harald, assignor to S. Morgan Smith Company, York, Pa. Bearing for hydraulic turbine shafts. 1,685,181; Sept. 25.
- Sywert, Philip T., Scotia, N. Y., assignor to General Electric Company. Gasket. 1,694,291; Dec. 4.
- Szabó, Louis, Montreal, Quebec, Canada. Shock absorber for motor cycles. 1,692,593; Nov. 20.
- Szabó, Sándor, Budapest, Hungary. Automatic feed pump especially for locomotive boilers. 1,674,348; June 19.
- Szarat, Joseph S. (See Wittkopp, Edwin E., assignor.)
- Szarvasy, Imre, Budapest, Hungary. Production of carbon electrodes. 1,675,674; July 3.
- Szczesny, Frank, Norwich, and T. Jakubowski, Bridgeport, Conn. Shade-roller and curtain-rod support. 1,660,212; Feb. 21.
- Szeits, Rudolph A., Hawthorne, Calif. Terminal for storage batteries. 1,667,704; Apr. 24.
- Szekely, Ernest, et al. (See Bolling, J. E., and Szekely, assignors.)
- Székel, Géza, J. Gyulay, and A. Majláth, New York, N. Y. Adjustable double toothbrush. 1,688,385; May 19.
- Szekely, Otto E., Molin, Ill., assignor to J. A. Ramsey, St. Louis, Mo. Piston-ring spring. 1,683,169; Sept. 4.
- Szekeress, Richard, Magyarovar, Hungary. Match box. 1,672,965; June 12.
- Szelinski, Reinhold, Rietberg, Germany. Automatic railway coupling. 1,682,152; Aug. 28.
- Szikla, Géza, and A. Rozinek, Budapest, Hungary. Fuel-dust furnace. 1,680,183; Aug. 7.
- Szilvay, Cornelius, Budapest, Hungary. Apparatus for extinguishing fire. 1,677,875; July 17.
- Szirmay, Charles M., Cold Spring, N. Y. Hair waver. 1,679,750; Aug. 7.
- Szűcs, Josef, Vienna, Austria, assignor to Montan- und Industriewerke vormals Joh. Dav. Starck, Prague, Czechoslovakia. Producing citric acid by means of fermentation. 1,679,186; July 31.
- Szydlowski, Josef, Baden, Germany. Piston engine. 1,661,582; Mar. 6.
- T. & L. Co., The. (See Tueckmantel, Hugo, assignor.)
- T-Z Railway Equipment Co. (See Anderson, Harry T., assignor.)
- Tab Corporation, The. (See Tabor, Robert E., assignor.)
- Tabb, Warner T., Mahwah, N. J. Heating apparatus. 1,694,725; Dec. 11.
- Taber, David R., assignor of one-third to G. A. Meyers, Washington, D. C. Theft-preventing device. 1,686,045; Oct. 2.
- Taber, George H., jr., Rye, assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 1,663,868; Mar. 27.
- Tabler, Harry C., assignor to American Heater Corporation, St. Louis, Mo. Pressure and temperature control valve. 1,694,492; Dec. 11.
- Tablet & Tickel Company. (See Nelson, Charles W., assignor.)
- Tabor, Edward P., Worcester, Mass. Auto repair light. 1,695,670; Dec. 18.
- Tabor Engineering Company, The. (See Tabor, L., and Tait, assignors.)
- Tabor, Leroy, Riverton, and J. Tait, Palmyra, N. J., assignors to The Tabor Engineering Company, Philadelphia, Pa. Oil-burner equipment. 1,662,783; Mar. 13.
- Tabor, Robert E., assignor to The Tab Corporation, St. Louis, Mo. Monogram machine. 1,675,004; June 26.
- Tabulating Machine Company, The. (See Braitmayer, Otto E., assignor.)
- Tabulating Machine Company, The. (See Bryce, James W., assignor.)
- Tabulating Machine Company, The. (See Campbell, Charles, assignor.)
- Tabulating Machine Company, The. (See Carroll, Fred M., assignor.)
- Tabulating Machine Company, The. (See Ford, Eugene A., assignor.)
- Tabulating Machine Company, The. (See Goss, Harry T., assignor.)
- Tabulating Machine Company, The. (See Lake, Clair D., assignor.)
- Tabulating Machine Company, The. (See Weinlich, Hermann A., assignor.)
- Tachella, Adolph, assignor to Busch-Sulzer Bros.-Diesel Engine Co., St. Louis, Mo. Bearing. 1,663,528; Mar. 20.
- Tackaberry, Robert D., Lewiston, Me. Guider. 1,678,925; July 31.
- Tadd, Roy W., Walnut Park, Calif. Valve connector for delivery tubes. 1,691,364; Nov. 13.
- Taeschner, E., Chemisch-Pharmazeutische Fabrik. (See Plagwitz, Paul, assignor.)
- Tafelski, George, Grand Rapids, Mich. License holder. 1,689,088; Oct. 23.

- Taft, Belle D., Oakland, Calif. Darning attachment for sewing machines. 1,679,509; Aug. 7.
- Taft-Pierce Manufacturing Company, The. (See Simmons, Frank L., assignor.)
- Taggart Brothers Company. (See Taggart, Joseph W., assignor.)
- Taggart, Daniel B., assignor to Sprout, Waldron and Company, Muncy, Pa. Grain-cracking machine. 1,666,798; Apr. 17.
- Taggart, Joseph W., assignor to Taggart Brothers Company, Watertown, N. Y. Paper bag. 1,683,632; Sept. 11.
- Tagle, Roscoe G., New York, N. Y., and E. H. Currie, East Orange, N. J. Tire valve and gauge. 1,675,005; June 26.
- Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
- Tagliabue, Charles J., Mfg. Co. (See Bast, F. J., and Wilhelm, assignors.)
- Tagliabue, Frank A., Revere, Mass. Stove shield. 1,656,248; Jan. 17.
- Tagliani, Giovanni. (See Leemann, H., and Tagliani.)
- Tait, Edward B., Colchester, England. Rotary pump. 1,682,258; Aug. 28.
- Tait, Edward B., Colchester, England. Rotary pump. 1,683,633; Sept. 11.
- Tait, John. (See Tabor, L., and Tait.)
- Tait, John, Port Chalmers, New Zealand. Steam generator and the like. 1,684,976; Sept. 18.
- Tait, Wilfred E., Boston, Mass., assignor to I. and M. Shulman, composing the firm of Shulman & Sons, New York, N. Y. Permutation lock. 1,660,822; Feb. 28.
- Takamine, Caroline, administratrix. (See Takamine, Jokichi and J.)
- Takamine Ferment Company. (See Wooyenaka, K., and Okochi, assignors.)
- Takamine, Jokichi, jr. (See Takamine, Jokichi and J., jr.)
- Takamine, Jokichi, deceased, and J. Takamine, jr., Passaic, N. J.; C. Takamine, administratrix, assignor to Takamine Ferment Company, New York, N. Y. Laundering. 1,660,458; Feb. 28.
- Takata, Huzewo, Tokyo, Japan. Safety lamp for mines. 1,660,534; Feb. 28.
- Takayama, Yoshitaro, Koishikawa Ku, Tokyo, assignor to Saburosuke Suzuki, Tokyo, Japan. Collecting inorganic potassium salt, betain salt, and glutamic acid from the waste liquor produced in distilling alcohol from fermented beet molasses. 1,681,379; Aug. 21.
- Takei, Kakutaro. (See Hosoi, Isamu, assignor.)
- Takenaka, Benjamin K., New York, N. Y. Removable bridge for artificial teeth. 1,671,170; May 29.
- Takoma Manufacturing Company. (See Deike, August H., assignor.)
- Talbert, Earl J., assignor of one-half to M. H. Moody, Waterbury, Vt. Can-cover repairer. 1,669,543; May 15.
- Talbot, Evariste E., Fall River, Mass. Parallel picker-stick motion. 1,674,809; June 26.
- Talbot, Harrie F., Thomaston, Conn., assignor to Western Clock Company, La Salle, Ill. Printing luminous dials. 1,657,237; Jan. 24.
- Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Counterbalance. 1,688,361; Oct. 23.
- Talbot, Lucien J. B., and V. A. Lecuivre, Woonsocket, R. I. Portable bath apparatus. 1,663,735; Mar. 27.
- Talbot, Oliver C., and A. Flood, Kansas City, Mo. Discharge gate for mortar mixers. 1,667,959; May 1.
- Talbott, E. J., et al., trustees. (See Marsh, Howard E., assignor.)
- Talbott, Harry G., Baltimore, Md. Wall seat. 1,668,386; May 1.
- Talbott, Raymond J., Tulsa, Okla. Armored pneumatic tire. 1,661,978; Mar. 6.
- Talbot, William M., New York, and J. C. Ledbetter, Brooklyn, assignors, by mesne assignments, to United States Hoffman Machinery Corporation, New York, N. Y. Pressing machine. 1,669,633; May 15.
- Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Machine for raising and shifting railway tracks. 1,657,596; Jan. 31.
- Talcott, Morton C. (See Clark, R. S., Prime, and Talcott.)
- Talgman, Max, New York, N. Y. Motor stand. 1,685,103; Sept. 25.
- Taliaferro, Jodie, Austin, Oreg. Combined fireplace and stove. 1,674,379; June 19.
- Taliaferro, John C., and J. Coyle, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Sealed friction-top metal container. 1,655,111; Jan. 3.
- Taliaferro, Thomas L., Chicago, Ill. Continuous vacuum jar-closing machine. 1,681,445; Aug. 21.
- Talk-A-Print, Trust. (See Runyan, Arthur L., assignor.)
- Tallei, Guido, Rome, Italy. Airship with mixed sustentation. 1,695,394; Dec. 18.
- Talley, Gus E., assignor of one-half to W. A. Bennett, Phoenix, Ariz. Cotton gin. 1,678,794; July 31.
- Talley, Randal E., Irwin, Pa. Enameling furnace. 1,692,060; Nov. 20.
- Talley, Thurmon H., Plainview, Tex. Lamp. 1,670,012; May 15.
- Tallman, Albert R., Nashville, Tenn. Stamp holder. 1,661,394; Mar. 6.
- Tallman, Albert R., Nashville, Tenn. Stamp carrier. 1,661,395; Mar. 6.
- Tallman, Albert R., and W. C. Tanksley, Nashville, Tenn. Eye shade. 1,660,896; Feb. 28.
- Tama, Manuel, Messingwerke, near Eberswalde, Germany. Electric furnace for glowing metal bands by induction currents. 1,689,369; Oct. 30.
- Taman, Joseph M., assignor of one-half to W. Taman, Minneapolis, Minn. Pedal lock. 1,681,380; Aug. 21.
- Taman, Walter. (See Taman, Joseph M., assignor.)
- Tamarin, Bernard J., Philadelphia, Pa. Vacuum-cleaner handle. Des. 75,815; July 17.
- Tamassy, Jay, New York, N. Y. Bag seal. 1,667,609; Apr. 24.
- Tamblyn, Milton J. (See Greathhead, W. F., and Tamblyn.)
- Tambone, Dominick, New York, N. Y. Interlocking brick construction. 1,681,631; Aug. 21.
- Tamborello, Frank, Milwaukee, Wis. Raincoat. 1,656,684; Jan. 17.
- Tamele, Karl, Berlin-Wilmersdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,691,258; Nov. 13.
- Tamele, Karl, Berlin-Wilmersdorf, Germany, assignor to Westinghouse Electric & Manufacturing Company. Annealing furnace. 1,691,259; Nov. 13.
- Tampkin, Hyman, Brooklyn, N. Y. Wire fabric. 1,686,110; Oct. 2.
- Tams, William H., Trenton, N. J. Plate or similar article. Des. 76,433; Sept. 25.
- Tanaka, Kay T., Salt Lake City, Utah. Rake. 1,663,395; Mar. 20.
- Tanaka, Tombay, Paso Robles, Calif. Thumb tack. 1,693,875; Dec. 4.
- Tanberg, Arthur P., and R. L. Kramer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Finely-divided nitroguanidine and method of making same. 1,679,752; Aug. 7.
- Tancetti, Guglielmo, Genoa, Italy. Cleaning device. 1,666,360; Apr. 17.
- Tancill, Grace, St. Louis, Mo. Dress. Des. 74,637; Mar. 6.
- Tancill, Grace, St. Louis, Mo. Dress. Des. 76,210; Aug. 28.
- Tandy, Albert W., Los Angeles, Calif. Selling booth. Des. 76,270; Sept. 4.
- Tang, Bernhard G., Schenectady, N. Y., assignor to General Electric Company. Electric heating unit. 1,674,488; June 19.
- Tangeman, William H., Ontario, assignor to J. V. Baldwin and H. G. Moore, Los Angeles, Calif. Internal-combustion engine. 1,671,330; May 29.
- Tank, Kurt, Potsdam, near Berlin, and K. Frydag, Schmaragdorf, near Berlin, assignors to the firm: Rohrbach Metall-Flugzeugbau, G. m. b. H., Berlin, Germany. Aircraft with pusher screw. 1,691,593; Nov. 13.
- Tanksley, Walter C. (See Tallman, A. R., and Tanksley.)
- Tann, James H., Lansing, Mich. Vehicle signal. 1,678,366; July 24.
- Tannebaum, Carl, New York, N. Y. Pocket guard. 1,692,712; Nov. 20.
- Tanner, Arnold J., North Haven, Conn. Dispensing and display container or box. 1,678,538; July 24.
- Tanner, Arnold J., North Haven, Conn. Display and dispensing container and the like. 1,679,923; Aug. 7.
- Tanner, Arnold J., North Haven, Conn. Display container. 1,680,309; Aug. 14.
- Tanner, Carl, Alliance, Ohio. Cheese container. 1,673,926; June 19.
- Tanner, Harry L., Brooklyn, N. Y. Coupling device for rotatable elements. 1,665,613; Apr. 10.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Speed-regulating mechanism. 1,685,440; Sept. 25.
- Tanner, Harry L., assignor to The Sperry Gyroscopic Company, Brooklyn, N. Y. Gyroscopic compass. 1,687,955; Oct. 16.
- Tanner, Harry L., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Regulating dynamotor. 1,690,142; Nov. 6.
- Tanner, Jacob, Ridgefield Park, N. J., assignor to C. Cartolito and A. Frei, West New York, N. J. Spanish shawl. Des. 75,298; May 22.
- Tanner, Walter B. (See Reed, Arthur W., assignor.)
- Tanner, Wellington L., El Molino, Sonora, Mexico, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making arsenates of manganese and product thereof. Re16,933; Apr. 10.
- Tanner, William J., Bridgeport, Conn. Rotatable advertising device. 1,692,594; Nov. 20.
- Tanners' Products Company. (See Bettison, Percy R., assignor.)
- Tannewitz, Edward F., Detroit, Mich. Window mounting. 1,670,321; May 22.
- Tansill, Charles M., Woodlawn, assignor of one-third to C. E. Nolte and one-third to W. E. Windsor, Baltimore, Md. Spark plug. 1,662,724; Mar. 13.
- Tanzi, Mario, Boston, Mass. Macaroni die. 1,685,249; Sept. 25.
- Tapio, Thomas W., Iselin, N. J. Game device. 1,655,296; Jan. 3.
- Tapley, Osborne F., New York, N. Y., Metal-finishing machine. 1,677,375; July 17.
- Taplin, Bruce. (See Moulden, J. C., and Taplin.)
- Tapman, Isaac. (See Davis, R., and Tapman.)
- Tapp, Davis L. (See Ruziska, J. A., and Tapp.)

- Tapp, Harry F., Brooklyn, and H. W. Dix, assignors to Socony Burner Corporation, New York, N. Y. Oil-burner safety device. 1,688,163; Oct. 16.
- Tappan, Charles O., and B. G. Fernald, New York, N. Y. Hydraulic turbine. 1,673,605; June 12.
- Tappan Stove Company, The. (See Taylor, Thomas E., assignor.)
- Tar & Petroleum Process Company. (See Zwilling, Bernhard, assignor.)
- Tarbet, William G., London, assignor to The Aluminum Plant & Vessel Company, Limited, Point Pleasant, London, England. Sterilizing and preserving liquids. 1,673,235; June 12.
- Tarbox, Hugh B., Toronto, Ontario, Canada. Mop wringer. 1,692,099; Nov. 20.
- Tarbox, John P., Garden City, N. Y. Sound printing machine. 1,669,953; May 15.
- Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Demountable disk wheel. 1,666,722; Apr. 17.
- Tarkington, Byron G., Shorewood, and O. F. Winsinger, Milwaukee, Wis., assignors to American Resistor Corporation, Philadelphia, Pa. Electrical heating appliance. Des. 75,878; July 24.
- Tarleton, Margaret R., Houston, Tex. Garment supporter. 1,675,234; June 26.
- Tarleton, Perle E., assignor to Electric Fruit Marking Co., Los Angeles, Calif. Marking machine. 1,658,468; Feb. 7.
- Tarlow, Milton D. (See Goldeen, J., Tarlow, and Edelson.)
- Tarr, Gardner W., Everett, assignor to Blaine Company, Concord Junction, Mass. Marine coating and the like. 1,657,438; Jan. 24.
- Tarrant, Felix I. (See Simpson, Eddie O., assignor.)
- Tarrant, Fred K., Yuma, Colo. Internal-combustion engine. 1,688,164; Oct. 16.
- Tarshis, Ralph, Brooklyn, N. Y. Helicopter. 1,681,067; Aug. 14.
- Tartaglia, Carmine, Albuquerque, N. Mex. Music-leaf turner. 1,667,908; May 1.
- Tartar, Roscoe C., assignor of one-third to L. W. Sopp and one-third to J. B. Allen, Liberty, Ky. Holder for mops or brooms. 1,693,413; Nov. 27.
- Tartrais, Eugène H., Montmorency, France. Cylinder head for internal-combustion engines. 1,687,526; Oct. 16.
- Tarver, William H., Pooler, Ga. Testing device. 1,690,653; Nov. 6.
- Tarwater, Lawson, assignor to Universal Nut-Lock and Bolt Company, Kansas City, Mo. Lock nut. 1,667,751; May 1.
- Tasker, Fred E. (See Rice, John V., jr., assignor.)
- Tate, Edgar E., Eden, Tex. Gin-breast lifter. 1,655,522; Jan. 10.
- Tate, Homer E., J. E. King, and H. Barber, Ashland, Ky. Gas-tank cap. 1,689,979; Oct. 30.
- Tate Jones & Company. (See Knapp, James H., assignor.)
- Tate, Ora E., sr., Elberton, Ga. Smoking device. 1,662,762; Mar. 13.
- Tate, William J., Flint, Mich. Ventilating sunshade. 1,661,709; Mar. 6.
- Tater-Flakes Company. (See Alexander, Harry S., assignor.)
- Tatham, Norman, Los Angeles, Calif. Scale casing. Des. 76,505; Oct. 2.
- Tatore, Paschal. (See Dolan, E. J., and Tatore.)
- Tatousek, Charles, Buffalo, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism for cash registers. 1,686,940; Oct. 9.
- Tatum, Duke, Dothan, Ala. Railway switch. 1,663,423; Mar. 20.
- Tatum, Ira J., Kansas City, Mo. Firearm. 1,656,453; Jan. 17.
- Tatum, John J., Baltimore, Md. Freight-car truck. 1,670,054; May 15.
- Tatz, Paul, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Railway signaling. 1,654,762; Jan. 3.
- Tätz, Paul, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and arrangement for spark telegraphy over high-tension lines or cables. 1,670,486; May 22.
- Tatz, Paul, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling between radio apparatus and high-tension transmission line. 1,681,560; Aug. 21.
- Taub, Alex., Detroit, Mich. Damping torsional vibrations. 1,658,772; Feb. 7.
- Taub, Alex., Detroit, Mich. Transmission. 1,682,441; Aug. 28.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Clutch. 1,655,169; Jan. 3.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Intake heater. 1,655,170; Jan. 3.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Cooling system for internal-combustion engines. 1,658,773; Feb. 7.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Combined oil gauge and breather cap. 1,658,774; Feb. 7.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Brake-equalizing device. 1,672,182; June 5.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Internal-combustion engine. 1,675,623; July 3.
- Taub, Alex., assignor to General Motors Corporation, Detroit, Mich. Thermostatic control of carburetors. 1,694,759; Dec. 11.
- Taubel, Clarence H., Riverside, N. J. Stocking. Des. 74,991; Apr. 24.
- Taubel, Clarence H., Riverside, N. J. Stocking. Des. 75,299; May 22.
- Taubel, Clarence H., Riverside, N. J. Stocking. Des. 75,394; May 29.
- Tauchmann, Georg, Berlin-Schöneberg, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone-meter unit. 1,690,464; Nov. 6.
- Taudvin, Joseph T., New York, N. Y. Suspension device for punching bags. 1,695,829; Dec. 18.
- Taumac Corporation, The. (See Zuschlag, Theodor, assignor.)
- Tauman, Bernard, Chicago, Ill. Stand for aquarium or the like. Des. 74,902; Apr. 10.
- Tauman, Bernard, Chicago, Ill. Stand for aquarium or the like. Des. 75,081; May 1.
- Tauman, Bernard, Chicago, Ill. Stand for aquarium or the like. Des. 75,082; May 1.
- Tauscher, Henry, Lompoc, Calif. Shock absorber. 1,654,763; Jan. 3.
- Tausend, Felix, New York, N. Y. Artificially-hemstitched fabric. 1,681,827; Aug. 21.
- Taussig, John H., assignor to The U. G. I. Contracting Company, Philadelphia, Pa. Automatic control for water-gas sets. 1,677,102; July 10.
- Taussig, John W., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for building composite piles. 1,655,523; Jan. 10.
- Tavannes Watch Co., S. A. (See Colomb, Henri, assignor.)
- Tavender, Walter K., Haworth, N. J., assignor to I. Hadley. Electrical heater. 1,683,740; Sept. 11.
- Taylor, Albert, Henryville, Ind. Radio-receiving-set cabinet. Des. 75,814; July 17.
- Taylor, Albert H., et al. (See Hulse, James E., assignor.)
- Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Radio receiving system. 1,669,218; May 8.
- Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Reducing fading effects in radio communication. 1,669,219; May 8.
- Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Amplification system. 1,672,010; June 5.
- Taylor, Albert H., and E. L. White, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Signal-receiving circuits. 1,669,217; May 8.
- Taylor, Albert H., and L. C. Young, Washington, D. C. High-frequency electrical system. 1,694,895; Dec. 11.
- Taylor, Albertis C., Warren, Ohio. Electric flash welding or heating machine. 1,654,562; Jan. 3.
- Taylor, Albertis C., Warren, Ohio. Electrical welding machine. 1,654,563; Jan. 3.
- Taylor, Albertis C., Warren, Ohio. Electric transformer. 1,674,670; June 26.
- Taylor, Arnold M., and F. A. Buote, Stamford, Conn., assignors to Atlas Powder Company, Wilmington, Del. Floor filler with pyroxylin base. 1,665,383; Apr. 10.
- Taylor, Arthur K., Baltimore, Md., assignor to The United States Printing and Lithograph Company. Method of and apparatus for registering cylindrical forms. 1,690,143; Nov. 6.
- Taylor, Benjamin F., Tarboro, N. C. Bottle. Des. 74,200; Jan. 3.
- Taylor, Burt E., Mount Vernon, assignor to The Borden Company, New York, N. Y. Apparatus for removing loose particles from the interior of cans. 1,659,757; Oct. 30.
- Taylor, Burt E., Mount Vernon, assignor to The Borden Company, New York, N. Y. Machine for treating and sealing cans. 1,693,262; Nov. 27.
- Taylor, Casper R., Washington, D. C., assignor to Foreign Paper Mills, Inc. Paper-testing machine. 1,661,549; Mar. 6.
- Taylor, Charles, et al. (See Burroughes, William J., assignor.)
- Taylor, Charles F., Dayton, Ohio. Automatic throttle stop. 1,660,731; Feb. 28.
- Taylor, Charles H., Calhoun Falls, S. C. Railroad-crossing signal. 1,689,165; Oct. 23.
- Taylor, Charles H., Toronto, Ontario, Canada. Bevel-gear-cutting machine. 1,687,150; Oct. 9.
- Taylor, Cyril S., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Nonseizing article of aluminum and producing the same. 1,661,448; Mar. 6.
- Taylor, Cyrus. (See Bergmann, C. N., and E. Z. and C. Taylor.)
- Taylor, Cyrus. (See Bergmann, C. N., and Taylor.)
- Taylor, Cyrus, Hartford, Conn. Device for feeding cups or containers to filling or other machines. 1,688,510; Oct. 23.
- Taylor, Dallas, Lorain, Ohio. Shipping crate. 1,663,102; Mar. 20.
- Taylor, Dell G., Los Angeles, Calif. Oil-well band-wheel speed control. 1,686,883; Oct. 9.

- Taylor, Doc G., Baytown, Tex. Air cleaner. 1,664,333; Mar. 27.
- Taylor, E. C., Mfg. Corporation. (See Dye, James T., assignor.)
- Taylor, Edward A., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Drainpipe-cleaning composition. 1,693,678; Dec. 4.
- Taylor, Edward M. (See Heald, R. A., Highberg, and Taylor.)
- Taylor, Edward M., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 1,682,673; Aug. 28.
- Taylor, Elmer Z. (See Bergmann, C. N., and E. Z. and C. Taylor.)
- Taylor, Elmer Z. (See Bergmann, C. N., and Taylor.)
- Taylor, Ernest. (See Judd, R., Taylor, and McNaney.)
- Taylor, Ernest C. (See Judd, R. M., Taylor, and McNaney.)
- Taylor, Ernest W., Cleveland Heights, Ohio, assignor, by mesne assignments, to Industrial Brownhoist Corporation. Apparatus for removing railroad ballast. 1,676,068; July 3.
- Taylor, Eugene S. (See Young, Hugh E., assignor.)
- Taylor, Frank F., Cincinnati, Ohio. Toy vehicle. 1,656,128; Jan. 10.
- Taylor, Frank F., Co., The. (See Crosley, Powel, jr., assignor.)
- Taylor, Frank F., Company, The. (See Taylor, Frank F., assignor.)
- Taylor, Frank F., assignor to The Frank F. Taylor Company, Norwood, Ohio. Child's vehicle. Des. 76,829; Nov. 6.
- Taylor, Frank L. (See Spiliotakaras, A., and Taylor.)
- Taylor, George A., Boston, Mass. Piston. 1,665,229; Apr. 10.
- Taylor, George A., Boston, Mass. Match. 1,684,000; Sept. 11.
- Taylor, George A., Bergenfield, N. J., assignor to National Biscuit Company, New York, N. Y. Display device. 1,694,024; Dec. 4.
- Taylor, George C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Power plant. 1,676,935; July 10.
- Taylor, George H., Norfolk, Va. Card clasp. 1,693,098; Nov. 27.
- Taylor, George W., Evansville, Ind. Safety device for passenger coaches and other vehicles. 1,693,412; Nov. 27.
- Taylor, Grant I. (See Stickley, L., and Taylor.)
- Taylor, Guy B. (See Davis, C. W., and Taylor.)
- Taylor, Halsey W., Warren, Ohio. Drinking fountain. 1,671,386; May 29.
- Taylor, Halsey W., Warren, Ohio. Self-closing valve. 1,672,235; June 5.
- Taylor, Halsey W., Company, The. (See Taylor, H. W., and Smith, assignors.)
- Taylor, Harden F., New York, N. Y., assignor to The Detectol Manufacturing Company, Inc., Carlstadt, N. J. Apparatus for testing alcohol. 1,674,416; June 19.
- Taylor, Harvey B., Philadelphia, Pa. Hydraulic power system. 1,681,711; Aug. 21.
- Taylor, Harvey B., Philadelphia, Pa. Hydraulic turbine. 1,681,712; Aug. 21.
- Taylor, Harvey B., Philadelphia, Pa. Hydraulic turbine. 1,694,454; Dec. 11.
- Taylor, Herbert B., Syracuse, N. Y., assignor to General Motors Corporation, Detroit, Mich. Locking device. 1,675,624; July 8.
- Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Governor transmission for train-control systems. 1,691,000; Nov. 6.
- Taylor, H. W., Warren, and J. T. Smith, Cleveland; said Smith assignor to The Halsey W. Taylor Company, Warren, Ohio. Apparatus for cooling liquids. 1,689,461; Oct. 30.
- Taylor, Herman E., Detroit, Mich. Transportation system. 1,665,483; Apr. 10.
- Taylor, Herman J. (See Stevens, W. C., and Taylor.)
- Taylor, Hugh S., Princeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making hydrogen peroxide. 1,659,382; Feb. 14.
- Taylor, Huston, Detroit, Mich. Vehicle impact bar. 1,663,424; Mar. 20.
- Taylor Instrument Companies. (See Barr, Daniel R., assignor.)
- Taylor Instrument Companies. (See Brown, Henry B., assignor.)
- Taylor Instrument Companies. (See Foote, Edward B., assignor.)
- Taylor Instrument Companies. (See Hazard, Theodore C., assignor.)
- Taylor Instrument Companies. (See Ireland, George B., assignor.)
- Taylor Instrument Companies. (See Lamb, Donald C., assignor.)
- Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)
- Taylor Instrument Companies. (See Payne, Hugh W., assignor.)
- Taylor Instrument Companies. (See Rosenburgh, Durwood D., assignor.)
- Taylor Instrument Companies. (See Stalker, Frederick W., assignor.)
- Taylor Instrument Companies. (See Swift, Lewis B., assignor.)
- Taylor, James H., Chicago, Ill. Making annealing pots. 1,688,999; Oct. 23.
- Taylor, James H., New York, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Padding. 1,668,614; May 8.
- Taylor, James H., assignor of one-half to W. T. Teeden, jr., Devon, Conn. Shock absorber for motor vehicles. 1,676,808; July 10.
- Taylor, James H., Oak Park, Ill. Apparatus for making nozzles. 1,678,451; July 24.
- Taylor, James H., Oak Park, Ill. Making nozzles. 1,680,073; Aug. 7.
- Taylor, James S., assignor of one-half to L. J. Mildren, Ponca City, Okla. Cable clamp. 1,675,996; July 3.
- Taylor, John, Chicago, Ill. Battery tester. 1,661,913; Mar. 6.
- Taylor, John B. (See Taylor, Marcia E. and J. B.)
- Taylor, John C., jr., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Dipper tooth. 1,675,283; June 26.
- Taylor, John C., jr., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Bushed manganese steel sheave and the like. 1,681,906; Aug. 21.
- Taylor, Lee J., New Bern, N. C. Apparatus and method for cooling carbonated water. 1,665,615; Apr. 10.
- Taylor, Lloyd G., Baltimore, Md. Bottle. Des. 75,533; June 12.
- Taylor, Marcia E., and J. Taylor, Schenectady, N. Y. Radiation receiving conductor. 1,683,270; Sept. 4.
- Taylor, Mary A. (See Taylor, William M., assignor.)
- Taylor, Morris P., Stanford University, Calif. Highway signal. Des. 74,399; Feb. 7.
- Taylor, Najah C., Staunton, Va. Metallic head for barrels. 1,693,185; Nov. 27.
- Taylor, Newell E., Plainfield, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steam condenser. 1,655,112; Jan. 3.
- Taylor, Paul B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Still. 1,658,541; Feb. 7.
- Taylor, Paul B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Hydrocarbon engine. 1,665,288; Apr. 10.
- Taylor, Paul H., Wakefield, Mass. Piano. 1,679,187; July 31.
- Taylor, Peter, Glasgow, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine cabinet. 1,655,923; Jan. 10.
- Taylor, Robert B., Kapaa, Island of Kauai, Hawaii, assignor to The Cleveland Fruit Juice Company, Cleveland, Ohio. Method and machine for cutting pineapple into strips. 1,670,084; May 15.
- Taylor, Robert F., St. Helens, assignor to Pilkington Brothers, Limited, Liverpool, Lancaster, England. Apparatus for the continuous grinding and polishing of glass in the form of strips or plates. 1,661,914; Mar. 6.
- Taylor, Robert H., jr., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Suction box. 1,680,486; Aug. 14.
- Taylor, Smith & Taylor Company, The. (See Beattie, Kenneth P., assignor.)
- Taylor, Stephen H., Ludlow, Ky. Water wheel. 1,677,464; July 17.
- Taylor, Sullivan W., Longview, Wash. Watch holder. 1,657,559; Jan. 31.
- Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Gas range. 1,681,068; Aug. 14.
- Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven construction. 1,693,625; Dec. 4.
- Taylor, Waverly, Inc. (See Taylor, William W., jr., assignor.)
- Taylor-Wharton Iron and Steel Company. (See Angerer, Victor, assignor.)
- Taylor-Wharton Iron and Steel Company. (See Hanks, George R., assignor.)
- Taylor-Wharton Iron and Steel Company. (See Mekeel, Van Cortright, assignor.)
- Taylor-Wharton Iron and Steel Company. (See Taylor, John C., jr., assignor.)
- Taylor, William. (See Teahen, J. M., and Taylor.)
- Taylor, William A., Detroit, Mich. Tire construction. 1,688,671; Oct. 23.
- Taylor, William A., and C. M. Gidley, Borger, Tex. Tank-car placard. 1,684,048; Sept. 11.
- Taylor, William H., Anna, Ill. Peach sizing machine. 1,682,054; Aug. 28.
- Taylor, William H., Des Moines, Iowa. Window structure. 1,686,046; Oct. 2.
- Taylor, William H., Memphis, Tenn. Fence panel or similar article. Des. 76,766; Oct. 30.
- Taylor, William J., Nenana, Alaska. Beating and mixing device. 1,663,961; Mar. 27.
- Taylor, William L., Cincinnati, Ohio. Multiplex bag and making it. 1,694,455; Dec. 11.
- Taylor, William L., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Filling and weighing machine. 1,680,487; Aug. 14.
- Taylor, William M., et al. (See Larsh, John M., assignor.)
- Taylor, William M., assignor to M. A. Taylor, Indianapolis, Ind. Vehicle leveling machine. 1,686,941; Oct. 9.
- Taylor, William P., Buffalo, N. Y. Carburetor. 1,683,634; Sept. 11.
- Taylor, William W., jr., assignor to Waverly Taylor, Inc., Washington, D. C. Door knocker. Des. 77,266; Dec. 18.

- Taylor-Wilson Manufacturing Company. (See Wilson, Edgar H., assignor.)
- Tazza, Lucy H., San Francisco, Calif. Cremation casket. 1,660,019; Feb. 21.
- Teachers College. (See Heft, H. L., Van Arsdale, and Shank, assignors.)
- Teague, George J., Los Angeles, Calif. Changeable sign. 1,655,524; Jan. 10.
- Teague, Merwyn C., Jackson Heights, N. Y., assignor to American Rubber Company, Boston, Mass. Coloring aqueous dispersions of rubber and products obtained thereby. 1,660,213; Feb. 21.
- Teague, Merwyn C., Jackson Heights, N. Y., assignor to American Rubber Company, Boston, Mass. Making rubber articles. 1,673,649; June 12.
- Teahen, James M., Detroit, Mich. Float valve for flushing tanks. 1,670,325; May 22.
- Teahen, James M., Detroit, Mich. Flushing device for water-closets. 1,670,326; May 22.
- Teahen, James M., and W. Taylor, Detroit, Mich., said Taylor assignor to said Teahen. Combined cover lock and bumper for water-closets. 1,670,322; May 22.
- Teahen, James M., and W. Taylor, Detroit, Mich., said Taylor assignor to said Teahen. Combined water-closet bowl and tank. 1,670,323; May 22.
- Teahen, James M., and W. Taylor, Detroit, Mich., said Taylor assignor to said Teahen. Water-closet. 1,670,324; May 22.
- Teare, Albert R., Lakewood, assignor to J. C. Miles, Cleveland, Ohio. Heating and ventilating apparatus. 1,688,362; Oct. 23.
- Teare, Albert R., Lakewood, assignor to J. C. Miles, Cleveland, Ohio. Heating and ventilating apparatus. 1,688,363; Oct. 23.
- Tears, Claude F., assignor to Universal Oil Products Company, Chicago, Ill. Oil apparatus. 1,688,839; Oct. 23.
- Teasdale, John W., St. Louis, Mo. Internal-combustion engine. 1,690,144; Nov. 6.
- Teasley, Arthur W. (See Thacker, J. J., and Teasley.)
- Tebbs, Paul M., Harrisburg, Pa. Electrical contactor. 1,677,059; July 10.
- Tebow, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 1,662,017; Mar. 6.
- Tebow, William A., Anthony, R. I., assignor to Draper Corporation, Hopedale, Mass. Shuttle-thread tension for replenishing looms. 1,678,610; July 24.
- Teelch, Hans, The Hague, Netherlands, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Underwater torpedo tube. 1,656,249; Jan. 17.
- Techmer, Ewald F., Chicago, Ill. Wall construction. 1,681,311; Aug. 21.
- Techmer, Ewald F., Chicago, Ill. Building construction. 1,684,605; Sept. 18.
- Technical Glass Company. (See Netschert, Franz, assignor.)
- Technicolor Motion Picture Corporation. (See Ball, J. A., Gallison, and Weaver, assignors.)
- Technicolor Motion Picture Corporation. (See Sugden, Bertha, assignor.)
- Technicolor Motion Picture Corporation. (See Troland, Leonard T., assignor.)
- Technicolor Motion Picture Corporation. (See Troland, L. T., and Ball, assignors.)
- Technicolor Motion Picture Corporation. (See Weaver, Eastman A., assignor.)
- Technicolor Motion Picture Corporation. (See Young, Melvin G., assignor.)
- Technidyne Corporation. (See Banning, Thomas A., Jr., assignor.)
- Tedell, John, Springfield, assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Washing-machine assembly. 1,686,538; Oct. 9.
- Teed, Earl S., assignor to The Textile Rubber Company, Akron, Ohio. Manufacturing composite rubber wheels or other articles. 1,680,823; Aug. 14.
- Teeden, William T., Jr. (See Taylor, James H., assignor.)
- Teel, O. D., Echo, Oreg. Wrist pin for mowing machines. 1,657,419; Jan. 24.
- Teepie, Floyd, Muscatine, Iowa. Compressed-air well pump. 1,675,772; July 3.
- Teeter, Cyrus O., Denver, Colo. Combined merchandise-display case and advertising signboard. Des. 76,271; Sept. 4.
- Teetor, Benjamin F., Hagerstown, Ind. Lifting lever for cars. 1,674,671; June 26.
- Tector, Henry C., Hagerstown, and H. S. Mikesell, Richmond, Ind. Microtuner for pipe organs. 1,690,381; Nov. 6.
- Tector, Ralph R., assignor to The Perfect Circle Company, Hagerstown, Ind. Tool for compressing piston rings. 1,668,790; May 8.
- Teetzal, Fred W., Los Angeles, Calif. Carton. Des. 74,992; Apr. 24.
- Tegelberg, Gilbert H., Inglewood, Calif. Rocking-horse toy. 1,684,250; Sept. 11.
- Tegeler, Victor J., Hopkinton, Iowa. Draft appliance. 1,679,693; Aug. 7.
- Tegler, Frederick A., St. Joseph, Mo. Automatic voltage regulator. 1,662,444; Mar. 13.
- Tehel, William, Cedar Rapids, Iowa. Handle for cans. 1,688,165; Oct. 16.
- Teiber, Charles H. A., St. Louis, Mo. Spectacles. 1,691,789; Nov. 13.
- Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Lock-controlled electric switch. 1,675,737; July 3.
- Teich, Maurice, Peekskill, N. Y. Device for inspecting tires. 1,685,038; Sept. 18.
- Teichart, Ernst G., Duquesne, assignor of one-half to H. Howden, Homestead, Pa. Metal railroad tie. 1,662,685; Mar. 13.
- Teigland, George J., Haddonfield, N. J. Marine governor for seagoing ships. 1,695,216; Dec. 11.
- Teipel, Joseph, assignor to American Pulverizer Company, St. Louis, Mo. Pulverizing machine. 1,696,219; Dec. 25.
- Teisher, Austin A., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Belt and making the same. 1,676,845; July 10.
- Teisinger, Fred, assignor of one-half to C. L. Ostrander, Waterloo, Iowa. Piston expander. 1,671,137; May 29.
- Teissère, Albert and J., St. Julien, France. Process of and apparatus for engraving printing cylinders. 1,695,617; Dec. 18.
- Teissère, Jean. (See Teissère, Albert and J.)
- Tekavec, John, Cleveland, Ohio. Gasoline and oil filter. 1,663,322; Mar. 20.
- Telautograph Corporation. (See Van Nostrand, Arlieh N., assignor.)
- Telefonaktiebolaget L. M. Ericsson. (See Crowe, Douglas C., assignor.)
- Telegraph Construction and Maintenance Company. (See Riddle, John, assignor.)
- Telepix Corporation of America. (See Ferree, M., and Wissmar, assignors.)
- Tellefsen, Albert E. (See Bilty, C. H., and Tellefsen.)
- Tellenbach, Charles, Buttes, Switzerland. Wood-turning machine. 1,674,708; June 26.
- Teller, Spencer J., West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Bevel-gear grinder. 1,659,224; Feb. 14.
- Telling, Charles B., Cleveland, Ohio. Ice-cream-brick container. 1,665,681; Apr. 10.
- Tellkamp, Bernhard F. (See Shaw, G. R., and Tellkamp.)
- Tembey, Samuel, Nanaimo, British Columbia, Canada. Hand-rope device for street cars. 1,660,633; Feb. 28.
- Temple, Fred W., Cicero, assignor of one-half to W. P. Crockett, Chicago, and one-fourth to A. Marchev, Cicero, Ill. Core for casting amplifying horns. 1,632,691; Aug. 28.
- Temple, George W., Flushing, N. Y. Method and machine for making vulcanized fiber. 1,669,429; May 15.
- Temple, Robert, and B. K. Hall, Toronto, Ontario, Canada. Bed. 1,669,683; May 15.
- Temple, William C., Munson, Fla. Railway tie and rail chair therefor. 1,663,425; Mar. 20.
- Templeman, G. Farris, Lexington, Ky. Blasting paper. 1,682,639; Aug. 28.
- Templeton, Charles L., Minneapolis Minn. Dishwashing machine. 1,692,190; Nov. 20.
- Templeton, David K., assignor to C. R. Bryson, Pittsburgh, Pa. Making cable connections. 1,686,583; Oct. 9.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Control mechanism for golf-ball-winding machines. 1,661,860; Mar. 6.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Disengaging device. 1,665,864; Apr. 10.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Trimming device for tire-building machines. 1,669,634; May 15.
- Templeton, Edwin G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Air-bag-testing tank. 1,673,536; June 12.
- Templeton, Henry. (See Arnold, E., and Templeton.)
- Templeton, John, Detroit, Mich. Switch. 1,658,952; Feb. 14.
- Templeton, John A., assignor to Electropure Corporation, Detroit, Mich. Apparatus for pasteurizing milk. 1,692,874; Nov. 27.
- Templeton, John B., Dallas, Tex. Progressive pile-driver support. 1,696,820; Dec. 25.
- Templeton, John O., assignor to Electropure Corporation, Detroit, Mich. Pasteurizing milk. 1,695,300; Dec. 18.
- Templeton, Jones T., assignor to The Buck's Stove & Range Company, St. Louis, Mo. Heating stove. Des. 75,665; June 26.
- Templeton, Samuel W., Indianapolis, Ind. Game board. 1,674,533; June 19.
- Templin, Ellis W., Philadelphia, Pa., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Motor-vehicle-driving mechanism. 1,665,865; Apr. 10.
- Templin, Ellis W., Philadelphia, Pa., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Running gear for motor vehicles. 1,691,742; Nov. 13.
- Templin, Ellis W., Philadelphia, Pa., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Running gear for motor vehicles. 1,695,259; Dec. 11.
- Temy, Edmund, London, England, assignor to The Scholl Manufacturing Company Inc., Chicago, Ill. Foot-arch support and the like. 1,675,537; June 12.
- Tench, Frank. (See Mercer, R. and Tench.)
- Tench, Frank. (See Mercer, R., Paulett, and Tench.)
- Tench, Russell W. (See Clapp, G. W., Tench, and Dunham.)
- Tenesch, Max M., Las Vegas, Nev. Main and middle connection bearing for locomotives. 1,669,105; May 8.

- Tenger, Albert R., Marshfield, Oreg. Cultivator, weeder, and digger. 1,677,803; July 17.
- Tengler, Johann, Tagerwilen, Canton Thurgau, Switzerland. Producing a binding medium for colors, varnishes, and cements. 1,660,851; Feb. 28.
- Tengström, Hans, and K. Bühring, Berlin, Germany, assignors to General Electric Company. Motor-control system. 1,683,212; Sept. 4.
- Tennant, G. H., Company. (See Tyler, Roy D., assignor.)
- Tenney, Dwight, Brooklyn, assignor, by mesne assignments, to Rector Tenney Company, New York, N. Y. Preservation of food products. 1,679,386; Aug. 7.
- Tenney, Edward H., Webster Groves, Mo. Clutch. 1,672,582; June 5.
- Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Transmission lock. 1,668,520; May 1.
- Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Transmission. 1,682,999; Sept. 4.
- Tenney, Perry L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Transmission-locking device. 1,686,047; Oct. 2.
- Tenney & Porter, Inc. (See Douglass, Murray G., assignor.)
- Tennhardt, Elsa, New York, N. Y., assignor to E. & J. Bass, Inc. Frame for trays or the like. Des. 75,937; July 31.
- Tennhardt, Elsa, New York, N. Y., assignor to E. & J. Bass, Inc. Frame for trays or the like. Des. 75,938; July 31.
- Tennhardt, Elsa, New York, N. Y., assignor to E. & J. Bass, Inc. Dish or article of analogous nature. Des. 75,939; July 31.
- Tennhardt, Elsa, New York, N. Y., assignor to E. & J. Bass, Inc. Mirror back or similar article. Des. 76,360; Sept. 18.
- Tennhardt, Elsa, New York, N. Y., assignor to E. & J. Bass, Inc. Mirror back or similar article. Des. 76,361; Sept. 18.
- Tennhardt, Elsa, New York, N. Y., assignor to Alfred Vester Sons Inc., Providence, R. I. Cigar lighter. Des. 76,362; Sept. 18.
- Tennhardt, Elsa, New York, N. Y., assignor to Alfred Vester Sons Inc., Providence, R. I. Cigar lighter. Des. 76,363; Sept. 18.
- Tenow, Olof A., Chicago, Ill., assignor of one-half to J. P. Seeburg. Thread-cutting tap. 1,679,234; July 31.
- Te Pas, Edmund J., Lakewood, assignor to The Patrol Valve Company, Cleveland, Ohio. Fluid-fuel-control system. 1,683,213; Sept. 4.
- Teppema, Jan. (See Sebrell, L. B., and Teppema.)
- Tereba, Albert. (See Deptula Carl, assignor.)
- Ter Horst, William P., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacturing vulcanized rubber. 1,672,548; June 5.
- Ter Horst, William P., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Manufacturing vulcanized rubber and the product obtained thereby. 1,682,728; Aug. 28.
- Ter Horst, William P., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Vulcanized-rubber product and producing same. 1,682,729; Aug. 28.
- Terhune, Edwin W., assignor to Lord & Burnham Company, Irvington on Hudson, N. Y. Sash-operating mechanism. 1,681,141; Aug. 14.
- Terhune, Royal E., Paterson, N. J. Gas-testing device. 1,671,795; May 29.
- Terkelsen, Andrew. (See Derry, Jasper, assignor.)
- Terkelsen, Andrew. (See Terkelsen, Edwin A., assignor.)
- Terkelsen, Edwin A., Boston, assignor to A. Terkelsen, Newton, Mass. Mechanical press. 1,679,637; Aug. 7.
- Terkelsen Machine Company. (See Prouty, George W., assignor.)
- Ter Meulen, John. (See Meyer, E. P., Ter Meulen, and Gerhardt.)
- Terminal Engineering Company. (See Brinton, Willard C., assignor.)
- Ternstedt Manufacturing Company. (See Archer, T. P., and Edgar, assignors.)
- Ternstedt Manufacturing Company. (See Heintz, E. E., and Archer, assignors.)
- Ternstedt Manufacturing Co. (See Schnell, William, assignor.)
- Terpenning, Garret, Jersey City, N. J. Surface-cleaning implements. 1,664,908; Apr. 3.
- Terr, Joseph, Cleveland Heights, assignor to Seville Studios, Incorporated, Cleveland, Ohio. Coffee table. Des. 76,830; Nov. 6.
- Terra Aktiengesellschaft. (See Ehrat, Adolf, assignor.)
- Terranova, Giuseppe E., New Haven, Conn. Dental Amalgam mixer. 1,688,062; Oct. 16.
- Terres, Geronimo. (See Terres, John R. and G.)
- Terres, John R. and G., Santa Barbara, Calif. Apparatus for making tile and other plastic products. 1,654,669; Jan. 3.
- Terri Inc. (See Hauch, Wendell M., assignor.)
- Terrill, Delmer D., Bangor, Me. Raker gauge. 1,659,475; Feb. 14.
- Terry, Albert N. (See Pieters, Ray G., assignor.)
- Terry, Arthur L., jr., Wellesley Hills, assignor to W. G. Ogden, Quincy, Mass. Electrical condenser. 1,682,811; Sept. 4.
- Terry, Cleveland G., Tujunga, Calif. Stove. 1,655,211; Jan. 3.
- Terry, Cleveland G., Tujunga, Calif. Stove. 1,660,683; Feb. 28.
- Terry, Cleveland G., Tujunga, Calif. Heating and ventilating device. 1,660,689; Feb. 28.
- Terry, Cleveland G., Tujunga, Calif. Wall heater. 1,660,690; Feb. 28.
- Terry, Donald M., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier. 1,672,840; June 5.
- Terry, Donald M., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic peak voltmeter. 1,687,234; Oct. 9.
- Terry, Edward F., jr., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Forming lubricators. 1,657,597; Jan. 31.
- Terry, Edward F., jr., Denver, Colo., assignor, by mesne assignments, to The Gardner-Denver Company, Quincy, Ill. Lubricator. 1,688,946; Oct. 23.
- Terry, Merrill H., Columbus, Ohio. Fuse plug. 1,693,679; Dec. 4.
- Terry, Michael A. (See Johnson, William A., assignor.)
- Terry, Willard B., Salt Lake City, Utah. Brake band and lining therefor. 1,661,057; Feb. 28.
- Tervo, Oscar, Quincy, assignor to Wilfred B. Mathewson, North Weymouth, Mass. Needle for tufting machines. 1,689,413; Oct. 30.
- Terwilliger, Charles O., Mount Vernon, assignor to F. v. Briesen, trustee, New York, N. Y. Condensation product and making the same. 1,678,024; July 24.
- Terzibashian, Bedros M., Wichita, Kans. Pneumatic-tire cover. 1,669,954; May 15.
- Tesdal, Thomas. (See Warnock, Andrew F., assignor.)
- Teshima, Tadataka, Portland, Oreg. Artificial bait. 1,683,933; Sept. 11.
- Tesk, John A., Chicago, Ill. Bracket. 1,688,096; Oct. 16.
- Tesla, Nikola, New York, N. Y. Aerial transportation. 1,655,113; Jan. 3.
- Tesla, Nikola, New York, N. Y. Apparatus for aerial transportation. 1,655,114; Jan. 3.
- Tessier, Charles O. (See Stay, T. D., and Tessier.)
- Tessier, Julien, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture apparatus. 1,658,361; Feb. 7.
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Friction disk clutch. 1,665,076; Apr. 3.
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Automatic control mechanism. 1,667,062; Apr. 24.
- Tessky, Karl, Esslingen-on-the-Neckar, Germany. Belt drive. 1,670,914; May 22.
- Tessky, Karl, Esslingen, Germany. Machine for generating and marking cans. 1,689,370; Oct. 30.
- Tessmer, Earl A., Seattle, Wash. Attachment for hair-waving devices. 1,660,056; Feb. 21.
- Testeil, Emile, Paris, France, assignor to General Electric Company. Dynamo-electric machine. 1,685,651; Sept. 25.
- Tesite Company, The. (See Cromwell, John C., assignor.)
- Tesitrite Instrument Co. (See Neuwirth, Herman, assignor.)
- Tetens, Oskar, Oerlinghausen-Lippe, assignor to the firm Record Cement-Industrie G. m. b. H., Frankfurt-on-the-Main, Germany. Distilling oil shale and providing raw material suitable for the manufacture of hydraulic cement. 1,678,751; July 31.
- Tetreau, George N., Newport, Vt. Combined shirt and supporter. 1,656,304; Jan. 17.
- Tettens, Oscar, Oerlinghausen Lippe, Germany. Production of unsintered binding means of oil shale and limestone and the like. 1,665,993; Apr. 10.
- Tevander, Olof N., Chicago, Ill. Bottle closure. 1,695,301; Dec. 18.
- Tevander, Swan N., Maywood, Ill. Cap for jars and cans. 1,672,660; June 5.
- Tevander, Swan N., Maywood, Ill. Shipping tag. 1,691,090; Nov. 13.
- Tevander, Swan N., Maywood, Ill., assignor to Swan Metallic Seal & Cap Company. Hand machine for sealing caps to jars and cans. 1,661,959; Aug. 28.
- Teves, Alfred C., Richmond Hill, N. Y. Vacuum cleaner. 1,689,089; Oct. 23.
- Tevonian, Hagop P., Brooklyn, N. Y. Pencil sharpener. 1,688,840; Oct. 23.
- Tew, James D., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for building pneumatic tires. 1,661,449; Mar. 6.
- Tewes, John H., Brooklyn, N. Y. Combined trailer and boat. 1,658,500; Feb. 7.
- Tewlesley, John W., Waverly, N. Y. Wear-compensating pin. 1,667,610; Apr. 24.
- Tex. Engineering Corporation. (See Textorius, Knut O. B., assignor.)
- Texas Company. (See Behmer, Otto, assignor.)
- Texas Company, The. (See Collins, George B., assignor.)
- Texas Company, The. (See Cullinan, Ralph, assignor.)
- Texas Company, The. (See Dearborn, Richard J., assignor.)
- Texas Company, The. (See de Florez, Luis, assignor.)
- Texas Company, The. (See Elliott, Walton H., assignor.)
- Texas Company, The. (See Emmons, Claude E., assignor.)
- Texas Company, The. (See Hadaway, William S., jr., assignor.)

- Texas Company, The. (See Hall, Frank W., assignor.)
 Texas Company, The. (See Huff, William D., assignor.)
 Texas Company, The. (See Lefevre, Arthur, jr., assignor.)
 Texas Company, The. (See Neller, J. R., and Vance, assignors.)
 Texas Company, The. (See Parrigin, Homer P., assignor.)
 Texas Company, The. (See Parrish, William C., assignor.)
 Texas Company, The. (See Preston, Harrison O., assignor.)
 Texas Company, The. (See Scanlin, Joseph R., assignor.)
 Texas Company, The. (See Schoonmaker, James M., jr., assignor.)
 Texas Company, The. (See Titus, Leon, assignor.)
 Texas Company, The. (See Wolcott, Edson R., assignor.)
 Texas Gulf Sulphur Company. (See Kobbé, William H., assignor.)
 Texas Gulf Sulphur Company. (See Noyes, Harry A., assignor.)
 Texas Gulf Sulphur Company. (See Schwab, James W., assignor.)
 Texas Iron Works. (See Pearce, William L., assignor.)
 Texas Iron Works Sales Corporation. (See Pearce, Louis M., assignor.)
 Texas-Louisiana Patents Company. (See Oppenheim, Julius H., assignor.)
 Texas Pacific Coal and Oil Company. (See Beattie, Robert, assignor.)
 Textile Machine Works. (See Janssen, Henry, assignor.)
 Textile Machine Works. (See Kriessip, Max, assignor.)
 Textile Machine Works. (See Meyer, Christian F., assignor.)
 Textile Machine Works. (See Richter, Max, assignor.)
 Textile Rubber Company, The. (See Teed, Earl S., assignor.)
 Textiles Development Corporation. (See Manley, Fred B., assignor.)
 Textorius, Knut O. B., New York, N. Y. Carriage and head-ring holder for tire-building cores. 1,656,612; Jan. 17.
 Textorius, Knut O. B., New York, N. Y. Method and machine for building cord tires. 1,670,870; May 22.
 Textorius, Knut O. B., assignor to Tex. Engineering Corporation, New York, N. Y. Method and machine for making cord tires. Re17,036; July 17.
 Teyen, Alfred. (See Teyen, Peter and A.)
 Teyen, Peter and A., Pomeroy, Iowa. Poultry-spraying device. 1,696,460; Dec. 25.
 Th. Goldschmidt A.-G. (See Sander, Wilhelm, assignor.)
 Thacher, Frank B. (See Waggoner, C. L., and Thacher.)
 Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Tailstock for automatic lathes. 1,690,601; Nov. 6.
 Thacker, James J., and A. W. Teasley, Lebanon, Tenn. Loaf-cheese knife. 1,670,996; May 22.
 Thackery, Thomas W., Winnetka, assignor to A. S. Littlefield, Chicago, Ill. Spring shoe. 1,672,506; June 5.
 Thaete, Maximilian W., assignor of one-half to M. J. Thaete, Denver, Colo. Valve-seat reamer. 1,677,465; July 17.
 Thaete, Millie J. (See Thaete, Maximilian W., assignor.)
 Thalken, Frank R., Vineland, N. J. Poultry water fountain. 1,664,186; Mar. 27.
 Tharp, Charles H., assignor to Montgomery Ward & Company, Chicago Ill. Garment-holding form. 1,663,573; Mar. 27.
 Tharp, Charles W., Watsonville, Calif. Land leveler. 1,672,140; June 5.
 Thatcher, Albert E., assignor to Fenton Machine Tool and Die Co., Fenton, Mich. Gas-burning stove. 1,671,618; May 29.
 Thatcher, Charles J., New York, N. Y. Purifying carbazole. 1,672,630; June 5.
 Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,681,312; Aug. 21.
 Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Type-writing machine. 1,683,425; Sept. 4.
 Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Stenciling machine. 1,683,635; Sept. 11.
 Thatcher, Linden A., Belleville, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Stenciling machine. 1,683,741; Sept. 11.
 Thatcher, Willis L., Sacramento, Calif. Automobile bed. 1,687,742; Oct. 16.
 Thaus, Alfred, Cologne-Deutz, G. Mauthe, Cologne-Muhlheim, and A. Günther, Cologne-Riehl, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Manufacture of new sulphonic derivatives of unsaturated fatty acids. 1,667,225; Apr. 24.
 Thaus, Alfred, Cologne-Deutz, G. Mauthe, Cologne-Muhlheim, and A. Günther, Cologne-Riehl, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Preparation of sulphonic acids of aralkylated unsaturated fatty acids. 1,667,226; Apr. 24.
 Thaxton, Thomas W., assignor of one-half to S. G. Hunt, Muncie, Ind. Gas saver. 1,658,580; Feb. 7.
 Thayer, Allan C., assignor to U. R. Loranger, Detroit, Mich. Gas scrubber for refrigerating apparatus. 1,677,804; July 17.
 Thayer, Edwin S., Oakdale, Pa. Tank-car siphon valve. 1,661,202; Mar. 6.
 Thayer, Eugene A., Pontiac, Ill. Prosthetic dentistry. 1,691,594; Nov. 13.
 Thayer, Eugene A., Urbana, Ill. Prosthetic dentistry. 1,696,422; Dec. 25.
 Thayer, Lou V., Adamsville, Pa. Potato digger. 1,678,490; July 24.
 Thayer, Reuel H., New York, N. Y., assignor to Thayer Telkee Corporation, San Francisco, Calif. Key ring and identification tag. 1,668,833; May 8.
 Thayer, Russell, Philadelphia, Pa. Centrifugal amalgamator. 1,669,430; May 15.
 Thayer Telkee Corporation. (See Thayer, Reuel H., assignor.)
 Thayer, Walter E., Lockport, N. Y. Track for miniature electric trains. 1,680,918; Aug. 14.
 Thayer, Walter J., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current-control device. 1,660,979; Feb. 28.
 Thayer, William E., and F. W. West, San Francisco, Calif. Spindle tester. 1,674,417; June 19.
 Thayer, William S., Scotia, N. Y. Dishpan. 1,692,003; Nov. 20.
 Theander, Enoch, Brooklyn, N. Y. Temperature controller. 1,688,291; Oct. 16.
 Theanders, Fingo. (See Burwell, Ray F., assignor.)
 Theard, Stephen A. (See Richardson, W. A., and Theard.)
 Thege, Edwin O. P., assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Automatically-operating scavenging valve for two-stroke-cycle internal-combustion engines applicable also to compressors and the like. 1,672,436; June 5.
 Thels, George E., assignor, by mesne assignments, to O. Jaech, St. Louis, Mo. Spark plug. 1,667,960; May 1.
 Theiss, Harry W., Louisville, assignor to Superior Sheet Steel Company, Canton, Ohio. Furnace. 1,670,754; May 22.
 Thelander, Cess, New York, N. Y. Manicuring implement. 1,667,670; Apr. 24.
 Thelin, Gunnar E. (See Mortenson, O. W., Thelin, and Norrhaagen.)
 Theobald, Jean, assignor to International Silver Company, Meriden, Conn. Table set. Des. 76,434; Sept. 25.
 Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Table set. Des. 76,564; Oct. 9.
 Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Table set. Des. 76,565; Oct. 9.
 Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Table set. Des. 76,719; Oct. 23.
 Theobald, John L., Philadelphia, Pa., assignor to Toledo Scales Company, Toledo, Ohio. Weighing scale. 1,667,909; May 1.
 Theobalds, Reginald O. P., St. Mary Bourne, near Andover, England. Domestic fireplace. 1,684,749; Sept. 18.
 Theodoropoulos, Aristede A., New York, N. Y. Safety bumper for vehicles. 1,681,069; Aug. 14.
 Therasse, Jules A., Marion, assignor to Irvington Auto Products Corporation, Indianapolis, Ind. Mirror bracket. 1,663,672; Mar. 27.
 Thérémín, Leo S., Leningrad, Russia, assignor to firm of M. J. Goldberg and Sohne, G. m. b. H., Berlin-Charlottenburg, Germany. Signaling apparatus. 1,658,953; Feb. 14.
 Thérémín, Leo S., Leningrad, Russia, assignor to the firm of M. J. Goldberg und Söhne G. m. b. H., Berlin, Germany. Apparatus for the generation of sounds. 1,661,058; Feb. 28.
 Theriault, Adelaïd J., Grand Anse, New Brunswick, Canada. Guide plate for window screens. 1,674,932; June 26.
 Thermal Industrial and Chemical (T. I. C.) Research Company Limited. (See Morgan, John S., assignor.)
 Thermal Industrial and Chemical (T. I. C.) Research Company Limited. (See Rider, Douglas, assignor.)
 Thermo Path Company Limited. (See Van der Meersch, André E. M., assignor.)
 Thermoid Rubber Company. (See Birkholtz, Fred C., assignor.)
 Thermokept Corporation. (See Bach, Neils P., assignor.)
 Thermokept Corporation. (See Malmquist, Adolph K., assignor.)
 Theroux, Hector J., Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Calendar guide. 1,664,273; Mar. 27.
 Therry, Albert. (See Schultz, Frank D., assignor.)
 Thew Shovel Company, The. (See Wilson, Emery J., assignor.)
 Thibaut, Richard E., Inc. (See Hoffman, Harry L., assignor.)
 Thibert, Augustin, Jogues, Ontario, Canada. Cattle guard for railroads. 1,685,889; Oct. 2.
 Thiel, Emil E., assignor to The Printing Machinery Company, Cincinnati, Ohio. Printing-plate holder. 1,680,959; Aug. 14.
 Thiele, Arthur C. (See Smith, C. F., Thiele, and Walker.)
 Thiele, Herbert W. (See Smoyer, H., Cumming, and Thiele.)
 Thielen, Edward A., Dorrance, Kans. Hoist. 1,684,606; Sept. 18.
 Thielen, Edward A., Dorrance, Kans. Hoist. 1,684,607; Sept. 18.
 Thielers, Martin, Stockholm, Sweden. Electrode arrangement for electrical discharge tubes. 1,668,387; May 1.

- Thielicke, Karl, Wettin, Germany. Automatic egg boiler. 1,692,144; Nov. 20.
- Thielker, Henry J., assignor to Triplex Safety Glass Company of North America, New York, N. Y. Speech vent. 1,686,942; Oct. 9.
- Thieme, Otto, Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,671,495; May 29.
- Thieme, Otto, Hartford, Conn., assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Typewriting machine. 1,681,266; Aug. 21.
- Thiemer, William H., Cleveland, Ohio, assignor, by mesne assignment, to Spicer Manufacturing Corporation, South Plainfield, N. J. Universal joint. 1,685,509; Sept. 25.
- Thiemer, William H., Cleveland, Ohio, assignor to Spicer Manufacturing Corporation, South Plainfield, N. J. Universal joint. 1,685,510; Sept. 25.
- Thiene, Hermann, P. H. Prausnitz, and G. Schott, assignors to the firm Jenaer Glaswerk Schott & Gen., Jena, Germany. Flask for laboratory purposes. 1,659,383; Feb. 14.
- Thies, Adolf, St. Louis, Mo. Suspenders. 1,694,835; Dec. 11.
- Thiess, Karl. (See Herz, R., and Thiess.)
- Thiess, Karl. (See Siebert, O., Thiess, Schöner, Schmidlin, Benade, and Deicke.)
- Thiess, Karl, B. Deicke, and R. Schmidlin, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Polyarylamine dyestuff and producing the same. 1,684,331; Sept. 11.
- Thiessen, John F., Los Angeles, Calif. Combined ash tray and butt extinguisher. Des. 74,638; Mar. 6.
- Thilo, Günther, Friedenau, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Regulating grid voltage of electron tubes. 1,680,348; Aug. 14.
- Thilo, Günther, Friedenau, near Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Circuit for amplifying direct or alternating currents by vacuum tubes. 1,690,881; Nov. 6.
- Thimblethorpe, Wilfred S., London, England. Electrical switch. 1,672,791; June 5.
- Thiry, Oscar. (See Duvoisin, G., and Thiry.)
- Thizzen, Charles, et al. (See Offutt, Ira, assignor.)
- Thoen, Lowell H., assignor to Western Harvester Co., Stockton, Calif. Dirigible-wheel mounting. 1,680,648; Aug. 14.
- Thoens, Burchard, assignor of one-half to B. M. Thoens, New York, N. Y. Gravity liquid feeder. 1,664,051; Mar. 27.
- Thoens, Burchard M. (See Thoens, Burchard, assignor.)
- Thoma, Andrew, Cambridge, assignor to North American Chemical Company, Boston, Mass. Shoe-bottom-filling machine. 1,682,865; Sept. 4.
- Thoma, Hans, Munich, Germany. Rotary pump and motor. 1,656,544; Jan. 17.
- Thoma, Hans, Munich, assignor to Neufeldt & Kuhnke, Ravensberg, near Kiel, Germany. Multiple-controlled hydraulic servo-motor. 1,659,752; Feb. 21.
- Thomas, Adolph A. (See Blieberger, Charles, assignor.)
- Thomas, Adolph A., New York, N. Y. Sound-reproducing apparatus. 1,656,712; Jan. 17.
- Thomas, Adolph A., New York, N. Y. Telephone instrument. 1,672,351; June 5.
- Thomas, Adolph A., New York, N. Y. Closure for receptacles. 1,675,006; June 26.
- Thomas, Adolph A., New York, N. Y. Electrical instrument of the telephone type. 1,682,866; Sept. 4.
- Thomas, Adolph A., New York, N. Y. Radio receiving cabinet. 1,693,470; Nov. 27.
- Thomas, Adolph A., New York, N. Y. Combined radio and phonograph cabinet. 1,693,967; Dec. 4.
- Thomas, Albert H., Louisville, Ky. Tire spreader. 1,676,970; July 10.
- Thomas, Alfred J., Braintree, Mass., assignor, by mesne assignments, to B. W. Freeman, Cincinnati, Ohio. Die press. Re17,085; Sept. 18.
- Thomas, Arthur, Calgary, Alberta, Canada. Drive and control of motor generators. 1,668,130; May 1.
- Thomas, Arthur, Thornton Heath, assignor to The Accounting & Tabulating Corporation of Gt. Britain, Limited, London, England. Statistical, calculating, and like machine controlled by mechanical records. 1,661,684; Mar. 6.
- Thomas, Arthur B., Wayne, Mich. Door lock. Des. 75,534; June 12.
- Thomas, August, Berlin-Steglitz, assignor to C. von Haryes, Berlin, Germany. Shock absorber. 1,655,443; Jan. 10.
- Thomas, August, Berlin-Baumschulenweg, assignor of one-half to C. von Haryes, Berlin, Germany. Shock absorber. 1,683,499; Sept. 4.
- Thomas & Betts Co., The. (See Buchanan, Stephen N., assignor.)
- Thomas & Betts Co., The. (See Church, Lewis H., assignor.)
- Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)
- Thomas, Cecil O., Montreal, Quebec, Canada. Slipping drive. 1,669,359; May 8.
- Thomas, Cecil O., Montreal, Quebec, Canada. Flexible shaft coupling. 1,675,065; June 26.
- Thomas, Charles A., Oakwood, near Dayton, Ohio. Heating grease for cookers. 1,659,415; Feb. 14.
- Thomas, Charles E., Long Beach, Calif. Safety carriage for derricks. 1,684,251; Sept. 11.
- Thomas, Charles S., San Diego, Calif. Tool-coupling device. 1,695,564; Dec. 18.
- Thomas, Charles S., San Diego, Calif. Tool-coupling means. 1,695,565; Dec. 18.
- Thomas, Claude R., Youngstown, assignor to The Ohio Oxygen Company, Niles, Ohio. Method and apparatus for filling gas tanks. 1,659,384; Feb. 14.
- Thomas, Daniel H., and E. A. Schamb, Wichita Falls, Tex. Pumping jack. 1,662,087; Mar. 13.
- Thomas, David J., Cardiff, and J. L. Vickery, Tonteg Llantwit Vardre, Wales. Device for boshing tinplate and sheet bar sections. 1,689,758; Oct. 30.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Computing scale. 1,656,454; Jan. 17.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 1,660,691; Feb. 28.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 1,660,692; Feb. 28.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Predetermined-weight scale. 1,671,260; May 29.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Automatic lock for weighing scales. 1,671,261; May 29.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Pivot-adjusting means. 1,675,961; July 3.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Pivot retainer. 1,682,442; Aug. 28.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 1,685,789; Oct. 2.
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,685,790; Oct. 2.
- Thomas, Edward H., East Orange, N. J. Locking mechanism. 1,692,595; Nov. 20.
- Thomas, Edward H. C., Buffalo, N. Y. Automobile key and license holder. 1,693,006; Nov. 27.
- Thomas, Edwin E., assignor to J. Kiernan, Portland, Oreg. Wrench. 1,665,511; Apr. 10.
- Thomas, Edwin E., assignor to J. Kiernan, Portland, Oreg. Hand fire extinguisher. 1,665,512; Apr. 10.
- Thomas, Edwin E., assignor to J. Kiernan, Portland, Oreg. Visor attachment for hats and caps. 1,665,513; Apr. 10.
- Thomas, F. C. (See Muser, Herman, assignor.)
- Thomas, Francois V. A., Paris, France. Carburetor. 1,688,947; Oct. 23.
- Thomas, Frank. (See Edwards, Richard M., assignor.)
- Thomas, Frank, Sterling, assignor to The Eureka Company, Rock Falls, Ill. Casket clamp. 1,658,616; Feb. 7.
- Thomas, Frederick W., Newport, Monmouth, Wales. Roofing material. 1,657,979; Jan. 31.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,656,151; Jan. 10.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,656,152; Jan. 10.
- Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Fixture stud. 1,659,060; Feb. 14.
- Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Outlet-box construction. 1,683,742; Sept. 11.
- Thomas, George F., Berwyn, assignor to The Bassick Manufacturing Company, Chicago, Ill. Filter. 1,682,867; Sept. 4.
- Thomas, George H., Erie, Pa. Manufacturing flexible coupling. 1,674,075; June 19.
- Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Vehicle wheel brake. 1,681,630; Aug. 21.
- Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,686,111; Oct. 2.
- Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-applying mechanism. 1,690,382; Nov. 6.
- Thomas, George P., Glenshaw, Pa. Clutch. 1,686,584; Oct. 9.
- Thomas, Guy L. (See Herdman, A. S., and Thomas.)
- Thomas, Henry. (See Pew, A. E., jr., and Thomas.)
- Thomas, Henry, London, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice deflector for slicing machines. 1,663,643; Mar. 27.
- Thomas, Henry, East Ham, London, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice deflector for slicing machines. 1,663,782; Mar. 27.
- Thomas, Horace T., Lansing, Mich. Side guard for motor vehicles. 1,678,657; July 31.
- Thomas, Horace T., Lansing, Mich. Attachment for drills. 1,679,884; Aug. 7.
- Thomas, Horace T., Lansing, Mich. Windshield for automobiles. 1,691,312; Nov. 13.
- Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Combination clutch and brake-control mechanism. 1,686,716; Oct. 9.
- Thomas, Idris. (See Vaughn, F. B., and Thomas.)
- Thomas, Idris, Whittier, and E. I. Tibbet, Huntington Park, Calif. Fishing tool. 1,687,808; Oct. 16.
- Thomas, Irvin G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermodynamically-controlled heating unit. 1,678,885; July 31.

- Thomas, Irvin G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Temperature-control system. 1,680,398; Aug. 14.
- Thomas, Ivor D., Palmyra, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Door-extractor-operating mechanism. 1,679,188; July 31.
- Thomas, Ivor D., Palmyra, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Bottom-tilting-door extractor. 1,689,216; Oct. 30.
- Thomas, Ivor D., Palmyra, and P. H. Douglas, Cleveland Heights, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Automatic rope take-up for leveler bars. 1,675,917; July 3.
- Thomas, Jack L., Wewoka, Okla. Valve-unit attachment for a sectional rotary pipe of well-drilling apparatus. 1,660,634; Feb. 28.
- Thomas, James A., Albert Lea, Minn. Automobile pilot headlight. 1,657,907; Jan. 31.
- Thomas, John, assignor to Scottish Dyes, Limited, Carlisle, England. Production of anthraquinone sulphonic acids. 1,671,455; May 29.
- Thomas, John, assignor to Scottish Dyes Limited, Carlisle, England. Producing anthraquinone sulphonic acids. 1,691,679; Nov. 13.
- Thomas, John, and A. H. Davies, assignors to Scottish Dyes, Limited, Carlisle, Cumberland, England. Production of alpha-amino anthraquinones. 1,657,420; Jan. 24.
- Thomas, John H. (See Baldwin, Edward E., assignor.)
- Thomas, John J., Westfield, N. J., assignor to American Can Company, New York, N. Y. Pouring-spout container. 1,685,383; Sept. 25.
- Thomas, Joseph R., Fort Madison, Iowa. Spring construction for furniture. 1,694,995; Dec. 11.
- Thomas, Joseph R., assignor, by mesne assignments, to Widmer Compressor, Inc., Philadelphia, Pa. Compressor. 1,692,395; Nov. 20.
- Thomas, Larkin A., Atlanta, Ga. Pulp-refining machine. 1,674,231; June 19.
- Thomas, Laurence H. (See Kuhn, F., and Thomas.)
- Thomas, Logan G., Cincinnati, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio. Coated paper. 1,655,745; Jan. 10.
- Thomas, Lucie, Nowawes, by Potsdam: L. Menter, née Thomas, assignor to J. Bergmann, Berlin, Germany. Computing machine. 1,661,277; Mar. 6.
- Thomas M. Klutts, Portland, Oreg. Washing machine. 1,678,120; July 24.
- Thomas, Max, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Producing cables. 1,664,231; Mar. 27.
- Thomas, Max, Weisswasser, Oberlausitz, assignor to Patent-Treuhand-Gesellschaft für elektrische Glühlampen m. b. H., Berlin, Germany. Producing glass. 1,684,332; Sept. 11.
- Thomas, Miley W., and P. H. Hamilton, assignors to The Sands Manufacturing Company, Cleveland, Ohio. Control mechanism. 1,678,658; July 31.
- Thomas, Minifred D., Chicago, Ill. Bed. 1,678,795; July 31.
- Thomas, Nathan A. (See Barna, J. W., and Thomas.)
- Thomas Oil By-Products Company. (See Gundlach, Henry R., assignor.)
- Thomas, Pacific J., Pittston, Pa. Reeling machine. 1,678,367; July 24.
- Thomas, Pacific J., Wyoming, Pa. Prong clearing fork. 1,678,368; July 24.
- Thomas, Percy H., Upper Montclair, N. J. System of electrical transmission and transformation. 1,667,087; Apr. 24.
- Thomas, Percy H., Upper Montclair, N. J. Regulating means for systems of electrical distribution. 1,667,752; May 1.
- Thomas, Percy H., Upper Montclair, N. J. System for excitation of synchronous-type electric machines. 1,693,968; Dec. 4.
- Thomas, Phillips, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Distortionless dynamic transmitter. 1,680,399; Aug. 14.
- Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistance microphone and operating the same. 1,682,443; Aug. 28.
- Thomas, Quincy A., Detroit, Mich. Tent. 1,658,214; Feb. 7.
- Thomas, R., & Sons, Company, The. (See Marvin, Richard H., assignor.)
- Thomas, Thomas H. (See Farmer, C. C., and Thomas.)
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. 1,670,391; May 22.
- Thomas, Thomas H., Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock device. 1,690,316; Nov. 6.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Split reduction device. 1,695,626; Dec. 4.
- Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,693,943; Dec. 4.
- Thomas, Thomas H., Edgewood, and E. S. Cook, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. 1,663,736; Mar. 27.
- Thomas, Thomas H., Edgewood, and C. A. Nelson, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,681,561; Aug. 21.
- Thomas, Thomas H., Edgewood, and C. A. Nelson, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-brake device. 1,685,890; Oct. 2.
- Thomas, Thomas H., Edgewood, and C. A. Nelson, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Split reduction device. 1,690,315; Nov. 6.
- Thomas, Thomas H., Edgewood, and C. A. Nelson, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,693,627; Dec. 4.
- Thomas, Thomas P. (See Marden, J. W., Thomas, and Conley.)
- Thomas, Thomas P., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electron-emitting material and the preparation thereof. 1,659,175; Feb. 14.
- Thomas, Thomas P., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electron-emission material and the activation thereof. 1,670,487; May 22.
- Thomas, William, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Machine for producing varying tooth combinations on typographical elements. 1,657,328; Jan. 24.
- Thomas, William E., Oakland, Calif. Preparing spinach and the like for canning. 1,685,511; Sept. 25.
- Thomas, William G., Hamden, Conn., assignor to American Telephone and Telegraph Company. Reeling device. 1,674,709; June 26.
- Thomas, William H., assignor to The Straight Line Engine Company, Inc., Syracuse, N. Y. Attaching fins to cylinders. 1,669,071; May 8.
- Thomas, William M., et al. (See Thomas, William M., assignor.)
- Thomas, William M., Cincinnati, Ohio. Powdered-coal feeder. 1,658,401; Feb. 7.
- Thomas, William M., Cincinnati, Ohio. Powdered-coal feeder. 1,669,635; May 15.
- Thomas, William M., assignor, by mesne assignments, to W. M. Thomas and F. A. Leonard, Los Angeles, Calif. Apparatus for treating films. 1,682,943; Sept. 4.
- Thomas, Wingate, assignor, by mesne assignments, to Porcelain Tile Company, Chicago, Ill. Enameled sheet-metal tile. 1,687,355; Oct. 9.
- Thomas, Wingate S. (See Peck, P. D., and Thomas.)
- Thomas, Wingate S., Chicago, Ill., assignor to Knapp Brothers Manufacturing Company. Anchor for plaster casing. 1,674,418; June 19.
- Thomas, Wingate S., assignor to Knapp Brothers Manufacturing Company, Chicago, Ill. Plaster casing. 1,694,673; Dec. 11.
- Thomason, Hjalmar, assignor to Shepard-Thomason Co., Los Angeles, Calif. Adjustable reamer. 1,663,223; Mar. 20.
- Thomason, John A., Atlanta, Ga. Boiler-compound dissolver. 1,695,354; Dec. 18.
- Thomasson, Charles H., Richmond, Va. Heater. 1,684,750; Sept. 18.
- Thomasson, Francis H., Lagrange, Ga. Carding-machine-apron offer. 1,668,433; May 1.
- Thomes, Frank E., South Portland, Me. Equipment for soft-coal-burning furnaces. 1,672,792; June 5.
- Thomes, Frank E., South Portland, Me. Heater. 1,672,793; June 5.
- Thometz, Mathias A., assignor to The Kohlhaas Company, Chicago, Ill. Card index and document-filing device for file units. 1,660,823; Feb. 28.
- Thommen, William H., Plymouth, Wis. Sound-reproducing machine. 1,661,396; Mar. 6.
- Thommen, William H., Plymouth, Wis. Sound-reproducing machine. 1,661,397; Mar. 6.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Fluid-power-transmitting mechanism. 1,659,753; Feb. 21.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Combined cooker and cooler. 1,694,996; Dec. 11.
- Thompson, Albert W., Lowell, assignor to Parks-Cramer Company, Boston, Mass. Process and apparatus for conditioning textile materials. 1,687,184; Oct. 9.
- Thompson, Alfred H. and R. F., Los Angeles, Calif. Apparatus for cleansing and disinfecting. 1,667,683; Apr. 24.
- Thompson, Alfred P., Jackson Heights, assignor to General Chemical Company, New York, N. Y. Producing elemental sulphur. 1,695,068; Dec. 11.
- Thompson, Allison J., Cleveland, Ohio. Lamp-hanger structure. 1,679,953; Aug. 7.
- Thompson, Allison J., Cleveland, Ohio. Lamp hanger. 1,689,938; Oct. 30.
- Thompson, Anthony W., California, Mo. Grave cover. 1,686,048; Oct. 2.
- Thompson, Arthur T., assignor to Hightstown Rug Company, Hightstown, N. J. Loom. 1,679,638; Aug. 7.
- Thompson, Augustus F., Huntington, W. Va. Radiant gas heater. Dec. 75,879; July 24.
- Thompson, Ayers F., Sunland, Calif. Weather stripping for windows and doors. 1,695,161; Dec. 11.
- Thompson, C. C., Pottery Co., The. (See Thompson, George C., assignor.)
- Thompson, Charles D., Washington, D. C. Combined pencil and miscellaneous holder. 1,658,310; Feb. 7.

- Thompson, Charles S., assignor to Standard Furniture Company, Herkimer, N. Y. Tray or till. 1,656,685; Jan. 17.
- Thompson, Charles S., Ridley Park, assignor to The Viscose Company, Marcus Hook, Pa. Skeining apparatus. 1,662,686; Mar. 13.
- Thompson, Clarence W., assignor to Thompson Spring Corporation, Wilmington, Del. Shock absorber. 1,687,527; Oct. 16.
- Thompson, Clarence W., Wilmington, Del., assignor, by mesne assignments, to Superior Equipment Corporation. Shock absorber. Re17,127; Nov. 6.
- Thompson, Don N., Syracuse, assignor to Pass & Seymour Inc., Solvay, N. Y. Lamp retainer for lamp sockets. 1,663,264; Mar. 20.
- Thompson, Don N., assignor to Pass & Seymour, Incorporation, Syracuse, N. Y. Fixture-outlet-box adapter. 1,667,961; May 1.
- Thompson, Don N., deceased; E. C. Thompson, executrix, assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Electric socket with shade holder. 1,668,703; May 8.
- Thompson, Don N., Syracuse, assignor to Pass & Seymour Inc., Solvay, N. Y. Support construction for electrical appliances. 1,679,799; Aug. 7.
- Thompson, Donald C. (See Miles, F. J., and Thompson.)
- Thompson, Earl A., Portland, Oreg. Automatic gear-shifting mechanism for sliding-gear transmissions. Re17,090; Sept. 25.
- Thompson, Elbert L., Osage City, Mo. Bushing remover. 1,667,227; Apr. 24.
- Thompson, Elmer H., Medimont, Idaho. Airplane. 1,662,406; Mar. 13.
- Thompson, Elmer O., Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,691,091; Nov. 13.
- Thompson, Elmer O., Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,692,961; Nov. 27.
- Thompson, Elmer O., D. Grimes, Tompkinsville, N. Y., and H. C. Fisher, Ridgefield Park, N. J., assignors to American Telephone and Telegraph Company. Alternating-current relay. 1,656,250; Jan. 17.
- Thompson, Ernest H., and H. J. Baur, Chicago, Ill., assignors to Johnson Fare Box Company. Fare box. 1,658,065; Feb. 7.
- Thompson, Ernest S., Porterville, Calif. Grain separator. 1,667,611; Apr. 24.
- Thompson, Eugene C., Los Angeles, Calif. Film-feeding means for cameras. 1,682,812; Sept. 4.
- Thompson, Eugene C., Los Angeles, Calif. Camera. 1,682,813; Sept. 4.
- Thompson, Eva C., executrix. (See Thompson, Don N.)
- Thompson, Frank H., assignor to Dennison Manufacturing Company, Framingham, Mass. Pin ticket. 1,661,583; Mar. 6.
- Thompson, Frank W., West Haven, Conn. Electric heater. 1,695,302; Dec. 18.
- Thompson, Fred A., Newark, N. J. Advertising display form. Des. 74,765; Mar. 20.
- Thompson, Fred C., Detroit, Mich., assignor to Morse Chain Company. (See Automatic compensating sprocket. 1,686,672; Oct. 9.)
- Thompson, Fred W., Denver, Colo. Weight container. 1,663,103; Mar. 20.
- Thompson, Fuller W., Arcadia, Calif. Ventilated garment. 1,679,102; July 31.
- Thompson, George, Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,672,994; June 12.
- Thompson, George B., Richmond Hill, N. Y. Fighting bag. 1,694,044; Dec. 4.
- Thompson, George C., assignor to The C. C. Thompson Pottery Co., East Liverpool, Ohio. Covered dish or analogous article. Des. 76,963; Nov. 20.
- Thompson, George K., Maplewood, N. J. Sickie. 1,680,824; Aug. 14.
- Thompson, George K., Summit, N. J. Storage battery. 1,662,349; Mar. 13.
- Thompson, George L., New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Gully for pocket-billiard tables. 1,682,201; Aug. 28.
- Thompson, Gus L., Buffalo, N. Y. Spark plug. 1,660,635; Feb. 28.
- Thompson, Gustave R. (See Bergmann, Carl, jr., assignor.)
- Thompson, Halbert E., Minneapolis, Minn. Wheel for automobiles. 1,664,531; Apr. 3.
- Thompson, Harold E., Clendenin, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Manufacture of natural gasoline. 1,695,162; Dec. 11.
- Thompson, Harry C., Schenectady, N. Y., assignor to General Electric Company. Shielding system. 1,659,542; Feb. 14.
- Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Compressor valve. 1,663,737; Mar. 27.
- Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Valve construction. 1,679,235; July 31.
- Thompson, Harry F., Stratford, N. Y. Road-building machine. 1,685,687; Sept. 25.
- Thompson, Harry H. (See Heise, G. W., and Thompson.)
- Thompson, Harry P., Philadelphia, Pa. Protecting guard for tires. 1,688,250; Oct. 16.
- Thompson, Harry W. (See Pickett, R. C., and Thompson.)
- Thompson, Harvey P., Des Moines, Iowa. Record file. 1,692,231; Nov. 20.
- Thompson, Henry B., Bowne Township, Kent County, Mich. Harrow. 1,679,639; Aug. 7.
- Thompson, Henry G. (See Miller, W. H., and Thompson.)
- Thompson, Henry P., Chicago, Ill. Spotlight and mounting therefor. 1,675,519; July 3.
- Thompson, Henry W., Altamont, Ill. Farm gate. 1,667,334; Apr. 24.
- Thompson, Herbert H. (See Morgan, T. A., and Thompson.)
- Thompson, Herbert S., Peekskill, N. Y. Apparatus for the recovery of solvents from coated fabrics. 1,678,886; July 31.
- Thompson, Howard A. (See Skene, A. A., and Thompson.)
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,659,672; Feb. 21.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,662,990; Mar. 20.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,664,469; Apr. 3.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,664,532; Apr. 3.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical apparatus. 1,670,755; May 22.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,673,303; June 12.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,675,583; July 3.
- Thompson, Howard A., Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,692,061; Nov. 20.
- Thompson, Howard A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,694,339; Dec. 4.
- Thompson, James, Greeley, Colo. Bag holder. 1,679,450; Aug. 7.
- Thompson, James H., New Smyrna, Fla. Compression and suction saving construction for piston rings. 1,696,424; Dec. 25.
- Thompson, James H., Trenton, assignor to Hussong Dyeing Machine Company, Groveville, N. J. Dyeing machine. 1,661,059; Feb. 28.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction block. 1,657,238; Jan. 24.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,659,061; Feb. 14.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,670,320; May 22.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,673,027; June 12.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction block. 1,686,189; Oct. 2.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction block. 1,686,190; Oct. 2.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction block. 1,686,191; Oct. 2.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,687,151; Oct. 9.
- Thompson, James S., assignor to American Brake Materials Corporation, New York, N. Y. Friction brake. 1,696,821; Dec. 25.
- Thompson, James V., and H. C. Deltz, Spencer, W. Va. Clothes washer. 1,665,118; Apr. 3.
- Thompson, James W., Wichita, Kans. Game. 1,660,241; Feb. 21.
- Thompson, John A., Heswall, and W. S. Hough, Hoylake, England. Treating nut kernels. 1,664,334; Mar. 27.
- Thompson, John D., Union City, N. J., assignor to American Car and Foundry Company, New York, N. Y. Car underframe. 1,685,104; Sept. 25.
- Thompson, John D., Union City, and V. Willoughby, Ridge-wood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Multiunit tank car. 1,685,105; Sept. 25.
- Thompson, John D., Union City, and V. Willoughby, Ridge-wood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Container. 1,685,106; Sept. 25.
- Thompson, John L., Meadow, Va. Mortising and boring machine. 1,694,456; Dec. 11.
- Thompson, John M., Thorpe, Iowa. Adjustable post for gates. 1,659,712; Feb. 21.

- Thompson, John W., Oak Park, assignor to Marshall Field & Company, Chicago, Ill. Mechanical toy. 1,688,097; Oct. 16.
- Thompson, L. C., et al. (See Brooks, Edward A., assignor.)
- Thompson, Laurence, Warren, Manitoba, Canada. Windmill. 1,666,361; Apr. 17.
- Thompson, Lee, San Diego, Calif. Changeable advertising sign. 1,686,994; Oct. 9.
- Thompson, Leroy. (See Foster, Guy T., assignor.)
- Thompson, Leroy H., Cedar Falls, Iowa. Warmer for little pigs. 1,659,618; Feb. 21.
- Thompson, Livingston A., Waukesha, Wis. Malted-milk product. 1,666,633; Apr. 17.
- Thompson, Loren B., Virginia, Ill. Chain fastener. 1,664,760; Apr. 3.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulator. 1,654,948; Jan. 3.
- Thompson, Louis W., Schenectady, N. Y., assignor, by mesne assignments, to Bailey Meter Company. Flow meter and the like. 1,667,612; Apr. 24.
- Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Electric regulator. 1,673,718; June 12.
- Thompson, Mary W., executrix. (See Thompson, Robert R.)
- Thompson, Melbourne E., assignor to Trippensee Sales and Manufacturing Company, Detroit, Mich. Compressor for refrigerating apparatus. 1,688,903; Oct. 23.
- Thompson, Melbourne E., assignor to Trippensee Sales and Manufacturing Company, Detroit, Mich. Refrigerating apparatus. 1,693,355; Nov. 27.
- Thompson, Merville S. (See Bishop, O. M., and Thompson.)
- Thompson, Michael A., Creighton, Nebr. Hinge construction for gates and the like. 1,673,304; June 12.
- Thompson, N. Julien. (See Smith, Lester C., assignor.)
- Thompson, Orville W., assignor to Jas. P. Marsh & Company, Chicago, Ill. Combined gauge and thermometer. 1,683,743; Sept. 11.
- Thompson, Osceola C., Rockaway, N. J., assignor to Wirebonds Patents Company. Machine for use in making boxes. 1,669,383; May 8.
- Thompson, Paul R. (See Ballentine, W. I., and Thompson.)
- Thompson Products, Incorporated. (See Bissell, Richard E., assignor.)
- Thompson Products, Incorporated. (See Crawford, Frederick C., assignor.)
- Thompson Products Inc. (See Hufferd, George H., assignor.)
- Thompson Products, Incorporated. (See Spire, William H., assignor.)
- Thompson, Ralph, Malden, Mass. Reflecting signal. 1,658,265; Feb. 7.
- Thompson, Ralph D., Toledo, Ohio. Device for application to the openings of outlet boxes and the like. 1,665,484; Apr. 10.
- Thompson, Robert D. (See Penrod, J., and Thompson.)
- Thompson, Robert E., Des Moines, Iowa. Golf bag. 1,672,549; June 5.
- Thompson, Robert E., Des Moines, Iowa. Glove-display rack. 1,695,618; Dec. 18.
- Thompson, Robert J., Baton Rouge, La. Ironing-board cabinet. 1,682,640; Aug. 28.
- Thompson, Robert J., Harrisburg, Pa. Internal-combustion engine. 1,693,186; Nov. 27.
- Thompson, Robert J., Paris, France, and C. Fisher, New York, N. Y. Flowerpot device. 1,683,271; Sept. 4.
- Thompson, Robert R., deceased, Los Angeles, Calif.; M. W. Thompson, executrix. Oscillating signal. 1,667,174; Apr. 24.
- Thompson, Ross C., Englewood, Colo. Mop. 1,684,460; Sept. 18.
- Thompson, Roy S., Bay Village, Ohio. Wire-tying device. 1,671,456; May 29.
- Thompson, Russell F. (See Thompson, Alfred H. and R. F.)
- Thompson, Russell G., Rochester, N. Y., assignor, by mesne assignments, to North East Appliances Inc. Power mechanism. 1,661,710; Mar. 6.
- Thompson, Russell G., assignor to North East Electric Company, Rochester, N. Y. Dynamo-electric machine. 1,674,876; June 26.
- Thompson, Russell G., assignor, by mesne assignments, to North East Appliances, Inc., Rochester, N. Y. Power mechanism. 1,681,267; Aug. 21.
- Thompson, Russell G., assignor to North East Appliances, Inc., Rochester, N. Y. Automatic typewriter. 1,688,364; Oct. 23.
- Thompson, Russell G., assignor to North East Electric Company, Rochester, N. Y. Motor controller. 1,692,962; Nov. 27.
- Thompson Spring Corporation. (See Thompson, Clarence W., assignor.)
- Thompson, Theodore. (See Moecker, H., jr., Thompson, and Hammermeister.)
- Thompson, Thomas J., Sunderland, England. Link for use in coal-cutting machines and the like. 1,691,680; Nov. 13.
- Thompson, Thomas W., Freeland Park, Ind. Blackboard cleaner. 1,688,672; Oct. 23.
- Thompson, Watson T. (See Sykes, J. P., and Thompson.)
- Thompson, Wayne H., Grand Junction, Iowa. Hog ring. 1,673,129; June 12.
- Thompson, William, New York, and L. F. Briggs, Brooklyn, N. Y. Cash-fare register. 1,658,106; Feb. 7.
- Thompson, William G. J., Clinton, Mass. Bottle cap. 1,681,828; Aug. 21.
- Thompson, William H., Berkeley, Calif. Refrigeration apparatus. 1,655,212; Jan. 3.
- Thompson, William H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Machine for treating materials. 1,692,963; Nov. 27.
- Thompson, William H., assignor to The H. H. Miller Industries Company, Canton, Ohio. Machine for treating materials. 1,692,964; Nov. 27.
- Thompson, William N., et al. (See Hastings, Frank T., assignor.)
- Thompson, William O., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Faucet. Des. 77,334; Dec. 25.
- Thompson, William O., Pittsburgh, Pa., assignor to Standard Sanitary Mfg. Co. Flush-pipe housing. 1,669,431; May 15.
- Thompson, Willis D., assignor of one-fourth to C. H. Crawford, Spokane, Wash. Incasing edibles and incased edibles. 1,684,421; Sept. 18.
- Thoms, Alexander P. (See Buck, N. E., Roper, and Thoms.)
- Thomsen, Ingebert J., Minden, Nebr. Pneumatic horse collar. 1,657,701; Jan. 31.
- Thomsen, Peter, Cassel, Germany, assignor to The Superheater Company, New York, N. Y. Air preheater. 1,662,991; Mar. 20.
- Thomsen, Peter, Cassel, Germany, assignor to The Superheater Company, New York, N. Y. Flue superheater. 1,680,232; Aug. 7.
- Thomsen, Walter, Davenport, Iowa. Roof covering. 1,670,942; May 22.
- Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Valve manifold. 1,664,909; Apr. 3.
- Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Refrigerating apparatus. 1,670,756; May 22.
- Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Refrigerating apparatus. 1,684,810; Sept. 18.
- Thomson, Alfred M., Newark, N. J., assignor to J. Mercadante, New York, N. Y. Refrigerating apparatus. 1,694,630; Dec. 11.
- Thomson, Archibald, assignor to F. A. Hall, Peoria, Ill. Water circulator and air moistener for internal-combustion engines. 1,683,811; Sept. 11.
- Thomson, Charles J., assignor to Westcott & Thomson, Inc., Philadelphia, Pa. Ruling machine. 1,666,634; Apr. 17.
- Thomson, Charles M., Westmount, Quebec, Canada. Metallic frame construction. 1,694,043; Dec. 4.
- Thomson, Clarence Y., sr., Chapman Ranch, Tex., assignor to International Harvester Company. Tractor cultivator attachment. 1,677,505; July 17.
- Thomson, Elihu, Swampscott, Mass., assignor of one-half to J. A. McManus, Lynn, Mass. Producing and reproducing sound records. 1,665,331; Apr. 10.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Making insulators. 1,680,705; Aug. 14.
- Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. High-frequency induction apparatus. 1,683,146; Sept. 4.
- Thomson, Florence A., Philadelphia, Pa. Candy box. Des. 74,582; Feb. 28.
- Thomson, George M., Caledonia, Ontario, Canada, assignor to Pennsylvania Gypsum Company, Chester, Pa. Process and apparatus for mixing quick-setting cementitious materials. 1,660,242; Feb. 21.
- Thomson, George M., Caledonia, Ontario, Canada, assignor to Pennsylvania Gypsum Company, Chester, Pa. Apparatus for the production of cellular building materials. 1,660,243; Feb. 21.
- Thomson, George M., Caledonia, Ontario, Canada, assignor to Pennsylvania Gypsum Company, Chester, Pa. Production of porous building material. 1,660,280; Feb. 21.
- Thomson, George M., Caledonia, Ontario, Canada, assignor to Pennsylvania Gypsum Company, Chester, Pa. Production of cellular building materials. 1,660,402; Feb. 28.
- Thomson, Harry, assignor to Stancilife Well Screen & Manufacturing Company, Houston, Tex. Screw-type well packer. 1,690,383; Nov. 6.
- Thomson, Harry P. (See Hogland, Joseph L., assignor.)
- Thomson, James, assignor to Mavor and Coulson, Limited, Glasgow, Scotland. Conveyor of the belt type. 1,691,681; Nov. 13.
- Thomson, James K. (See Mensing, Carl F., assignor.)
- Thornton, John E., West Hampstead, London, England. Cinematograph and photographic color-film. 1,679,694; Aug. 7.
- Thomson, John G., Edinburgh, Scotland. Interfitting blocks for road paving. 1,660,459; Feb. 28.
- Thomson, John M., Bronx, N. Y. Exercising device. 1,686,423; Oct. 2.
- Thomson, John M., Long Island City, N. Y., and P. Hardy, Bridgeport, Conn. Fastening device. 1,686,424; Oct. 2.
- Thomson, John M., Davenport, Iowa. Folding bed. 1,691,260; Nov. 13.

- Thomson, Judson L., Manufacturing Co. (See Mower, George A., assignor.)
- Thomson Machine Company. (See Parsons, Edward T., assignor.)
- Thomson, Robert H., Kingston-on-Thames, and H. S. Lawrence, Ilford, assignors to United Water Softeners Limited, London, England. Apparatus for the softening or purifying of water or for carrying out processes based upon exchange reactions. 1,691,862; Nov. 13.
- Thomson, S. H., Manufacturing Company, The. (See Gravenstine, George E., assignor.)
- Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
- Thomson, Samuel G., New York, N. Y. Convertible wheel structure. 1,681,099; Feb. 28.
- Thomson, Samuel G., New York, N. Y. Convertible wheel structure. 1,668,092; May 1.
- Thomson, Samuel G., New York, N. Y. Wheel structure for vehicles. 1,668,093; May 1.
- Thomson & Taylor Co., The. (See Forsberg, Albin L., assignor.)
- Thomson, Thomas M. (See Gill, C. H., and Thomson.)
- Thomson, Volney W., El Paso, Tex. Package. 1,662,763; Mar. 13.
- Thomson, William S., assignor to The Tobrin Tool Company, Plantsville, Conn. Electrically-driven circular saw. 1,679,103; July 31.
- Thonsen, Charles H., Brooklyn, N. Y. Electrical binding post. 1,694,239; Dec. 4.
- Thorberg, George E., Sioux Falls, S. Dak. Sewing cabinet. 1,660,732; Feb. 28.
- Thorburn, Walter, Seattle, Wash. Hand level and angling device. 1,696,508; Dec. 25.
- Thrbus, Clarence T., assignor to Richardson Grain Separator Co., Minneapolis, Minn. Grain separator. 1,665,756; Apr. 10.
- Thordarson, Chester H., Chicago, Ill. Vernier rheostat. 1,658,866; Feb. 14.
- Thordarson, Chester H., Chicago, Ill. Resistance for auto ignition coils. 1,661,019 Feb. 28.
- Thordarson, Chester H., Chicago, Ill. Adjustable electric condenser. 1,677,935; July 24.
- Thordarson, Chester H., Chicago, Ill. Electric motor. 1,677,936; July 24.
- Thordarson, Chester H., Chicago, Ill. Adjustable bearing structure. 1,677,937; July 24.
- Thordarson, William, New York, N. Y. Emulsifier. 1,683,500; Sept. 4.
- Thord-Gray Holding Corporation. (See Schauman, B. M., and Milligan, assignors.)
- Thoreson, Grace A. (See Thoreson, Martin L. and G. A.)
- Thoreson, Martin L. and G. A., Los Angeles, Calif. Bottle protector. 1,690,509; Nov. 6.
- Thorington, Fletcher, Birmingham, Ala. Radiotranslation of phonographically-recorded sound waves. 1,689,564; Oct. 30.
- Thormeyer, Hans, Berlin, Germany. Internal-combustion engine. 1,662,590; Mar. 13.
- Thorn, Isak. (See Deutsch, L., and Thorn.)
- Thornberry, Charles L., Lincoln, Nebr. Sash frame. 1,664,578; Apr. 3.
- Thörnblad, Axel R., assignor to Aktiebolaget Fallskärn, Stockholm, Sweden. Parachute. 1,685,688; Sept. 25.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Apparatus for bleaching purposes. 1,656,765; Jan. 17.
- Thorne, Carl B., Hawkesbury, Ontario, Canada. Process and apparatus for producing wood pulp. 1,691,682; Nov. 13.
- Thorne, Clarence O., Watervliet, Mich. Paper cutter. 1,694,896; Dec. 11.
- Thorne, Clarence O., Watervliet, Mich., assignor of one-half to P. G. Baltz, Chicago, Ill. Paper-coating machine. 1,675,066; June 26.
- Thorne, Edward, Chicago, Ill., assignor to T. R. Goodlatte & Sons, (Inc.), Delawanna, N. J. Table cover or analogous article. Des. 77,335; Dec. 25.
- Thorne, Joseph G., Barnum, Minn. Door fastener. 1,677,060; July 10.
- Thorne, Viola, assignor of one-half to R. F. Glocheski, Grand Rapids, Mich. Article-holding clip. 1,662,175; Mar. 13.
- Thorne, William L., New York, N. Y. Hosiery. 1,678,716; July 31.
- Thornely, Sidney Blackley, Manchester, assignor to British Dyestuffs Corporation, Limited, Manchester, England. Acylamino flavantrones and making same. 1,662,872; Mar. 20.
- Thornor, Robert, Asheville, N. C. Antiskid device for motor vehicles. 1,691,140; Nov. 13.
- Thornley, Albert E., assignor to Narragansett Machine Company, Pawtucket, R. I. Tray-compartment closure for cooling machine. 1,656,713; Jan. 17.
- Thornley, William H., et al., trustees. (See Noble, Warren, assignor.)
- Thornton, Ed T. (See Bruce, A. R., and Thornton.)
- Thornton, Ernest W., East Orange, assignor to R. B. Davis Company, Hoboken, N. J. Phosphate and process. 1,689,697; Oct. 30.
- Thornton, John E., West Hampstead, London, England. Motion-picture-projecting machine. 1,655,297; Jan. 3.
- Thornton, John E., West Hampstead, London, England. Cinematograph and optical projection apparatus and spool case and film for use therewith. 1,655,298; Jan. 3.
- Thornton, John E., West Hampstead, London, England. Cinematograph projection apparatus. 1,655,299; Jan. 3.
- Thornton, John E., West Hampstead, London, England. Construction and manufacture of cinematograph positive films. 1,663,738; Mar. 27.
- Thornton, John E., West Hampstead, London, England. Multicolor screen and support for films and plates. 1,670,671; May 22.
- Thornton, John E., West Hampstead, London, England. Construction and manufacture of multilayer cinematograph and other film. 1,670,672; May 22.
- Thornton, John E., West Hampstead, London, England. Two-ply cinematograph positive film. 1,672,352; June 5.
- Thornton, John E., West Hampstead, London, England. Two-ply cinematograph positive film. 1,674,810; June 26.
- Thornton, John E., West Hampstead, London, England. Spool case for cameras and for cinematograph and similar projection apparatus. 1,685,010; Sept. 18.
- Thornton, John E., West Hampstead, London, England. Cinematograph spool case. 1,691,414; Nov. 13.
- Thornton, Richard W., Denver, Colo. Playground chute. 1,680,753; Aug. 14.
- Thorp, Joel R. (See Winning, R. K., and Thorp.)
- Thorp, Kermit O., River Edge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission-control system. 1,678,128; July 24.
- Thorp, Lambert, Cincinnati, Ohio. Arylarsonic acid. 1,654,709; Jan. 3.
- Thorp, Orison H., sr., Trenton, N. J. Horse collar. 1,696,063; Dec. 18.
- Thorp Brothers Well Company. (See Thorpe, Thomas W. and G. E., assignors.)
- Thorpe, Forest H. (See Anderson, F. E., and Thorpe.)
- Thorpe, Frank M., Lamar, Mo. Folding easel. 1,659,791; Feb. 21.
- Thorpe, George E. (See Thorpe, Thomas W. and G. E.)
- Thorpe, Thomas W. and G. E., Des Moines, Iowa. Producing wells and strainer shoes for the same. 1,677,606; July 17.
- Thorpe, Thomas W. and G. E., assignors to Thorpe Brothers Well Company, Des Moines, Iowa. Concrete well strainer. 1,682,697; Aug. 28.
- Thorpe, William, Wellington, New Zealand. Automatic machine for displaying advertisements, posters, pictures, show cards, and the like. 1,696,655; Dec. 25.
- Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Calif. Making spiral pipe. 1,659,754; Feb. 21.
- Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Calif. Machine for making spiral pipe. 1,659,792; Feb. 21.
- Thorsen, P. S., & Company. (See Bullard, Maurice L., assignor.)
- Thorsen, Theodore, Spokane, Wash. Nail-drawing tool. 1,656,652; Jan. 17.
- Thorstenson, Karl A., Springfield, Mass. Firearm for killing cattle. 1,668,432; May 1.
- Thrane, Victor, Oslo, Norway. Propelling system. 1,673,957; June 19.
- Thrasher, Ray H., Ferndale, Mich. Door latch and opener. 1,683,426; Sept. 4.
- Thrift, Timothy, Cleveland, Ohio. Loop aerial. 1,685,652; Sept. 25.
- Thronsen, Sigurd. (See Colbeck, F. W., and Thronsen.)
- Thropp, Frank W., Trenton, N. J., and W. Malcolm, New Hope, Pa. Conveyor for green bricks and the like. 1,669,220; May 8.
- Thrower, Alvin H., assignor to Clifton Manufacturing Company, Waco, Tex. Receptacle. 1,665,184; Apr. 3.
- Thrower, Marion R., assignor to D. R. Parrott, Tuckerman, Ark. Changeable sign. 1,678,684; July 31.
- Trush, Homer A., Peru, Ind. Pressure-relief valve. Re16,992; June 12.
- Thruston, Ernest B., assignor to The Houghton Elevator & Machine Co., Toledo, Ohio. Elevator-operation device. Re16,955; May 1.
- Thuillier, Eugene H., Montreuil s/Bois, France. Racing toy. 1,673,538; June 12.
- Thull, Frank J., Minneapolis, Minn., assignor to Union Special Machine Company, Chicago, Ill. Bag-sewing machine. Re16,944; Apr. 24.
- Thum, Martin, Rochester, N. Y. Joint for tubular structures. 1,683,680; Dec. 4.
- Thumann, Henry F., Redfield, Ark. Roost. 1,684,608; Sept. 18.
- Thurber, Frank, Los Angeles, Calif. Lamp. 1,685,251; Sept. 25.
- Thurber, Luman T., Brookline, Mass. Oil burner. 1,672,397; June 5.
- Thurrell, John P., Fort Myers, Fla. Septic tank. 1,695,217; Dec. 11.
- Thurlow, Edward W., Middle Brighton, assignor to Vulcan Rubber Proprietary Limited, Kensington, Victoria, Australia. Mold for rubber tires. 1,681,713; Aug. 21.
- Thurlow, Lewis K., and J. P. Agnew, Brooklyn, N. Y.; said Thurlow assignor to said Agnew. Golf-club carrier. 1,696,062; Dec. 18.
- Thurm, Alfred. (See Spengler, O., and Thurm.)
- Thurman, Tandy B., Kansas City, Mo. Automobile awning. 1,688,673; Oct. 23.
- Thurnau, Carl G., New Hartford, N. Y. Pulley. 1,675,146; June 26.

- Thurneysen, Guy T., Paris, France. Joint and connection. 1,695,830; Dec. 18.
- Thursby, Arthur P., St. Louis, Mo. Display device. 1,695,036; Dec. 11.
- Thurston, Arthur R., St. Joseph, Mo. Candy-cutting machine. 1,672,741; June 5.
- Thurston, David W. (See Cass, E. J., and Thurston.)
- Thurston, Ernest B., assignor to The Houghton Elevator & Machine Company, Toledo, Ohio. Elevator-control system. 1,661,020; Feb. 28.
- Thurston, Ernest B., assignor to The Houghton Elevator & Machine Co., Toledo, Ohio. Control system for electric elevators. 1,661,021; Feb. 28.
- Thurston, Ernest B., assignor to The Houghton Elevator & Machine Co., Toledo, Ohio. Alternating-electric current control system. 1,661,022; Feb. 28.
- Thurston, George M. (See Gabriel, J. C., and Thurston.)
- Thurston, Herman B., Cleveland Heights, Ohio. Low-water alarm. 1,684,897; Sept. 18.
- Thury, John, New York, N. Y. Device for protecting stores and the like against holdup men. 1,660,773; Feb. 28.
- Thweatt, William A., Paducah, Ky. Vehicle spring tool. 1,670,220; May 15.
- Thyle, Irvin S., administrator. (See Bradley, William A.)
- Thyssen & Co. Aktiengesellschaft. (See Schneider, Karl, assignor.)
- Tibbens, Samuel K., assignor of one-half to W. F. Martin, Harrisburg, Pa. Tire-chain repair tool. 1,670,221; May 15.
- Tibbet, Ernest I. (See Thomas, I. and Tibbet.)
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Die or stamp holding device. 1,655,029; Jan. 3.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,658,308; Feb. 7.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,676,878; July 10.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,692,965; Nov. 27.
- Tibbot, Guy B., Santa Cruz, and F. R. Cook, San Jose, Calif. Piston. 1,687,908; Oct. 16.
- Tice, Francis A., assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Suspending device for trolley wires. 1,658,266; Feb. 7.
- Tice, Francis M. (See Jacobson, Herman W., assignor.)
- Tice, Percival S., Chicago, Ill. Internal-combustion engine temperature control. 1,677,103; July 10.
- Tice, Reuben S., Monterey, assignor of one-half to Arthur L. Holcomb, San Jose, Calif. Thermostatic control. 1,681,446; Aug. 21.
- Tiechurst, George L., Bakersfield, Calif. Oil-reservoir safety appliance. 1,678,539; July 24.
- Tichota, Rudolph V., Dodge, Nebr. Antifrosting device. 1,664,761; Apr. 3.
- Tichy, Frederick. (See Fayer, C., and Tichy.)
- Ti-Co Manufacturing Co., The. (See McHugh, C. J., and Rivers, assignors.)
- Tidball, Otis R., Lucas, Kans. Mail box. 1,655,669; Jan. 10.
- Tide Water Oil Company. (See Bertschinger, Charles F., assignor.)
- Tiedeman, Selim N., Wilmette, Ill., assignor to Pierce Electric Company, Stringing conductors. 1,676,584; July 10.
- Tiedemann, Henry F., assignor to Theo. Tiedemann & Sons, Inc., New York, N. Y. Textile fabric. Des. 75,880; July 24.
- Tiedemann, Theo., & Sons, Inc. (See Tiedemann, Henry F., assignor.)
- Tiefenbacher, Thomas B., North Elizabeth, N. J. Locking coupling. 1,676,585; July 10.
- Tielkemeyer, Henry, St. Louis, Mo. Furnace. 1,688,763; Oct. 23.
- Tiemeyer, Edward W. (See Severns, R. W., and Tiemeyer.)
- Tierney, George G., Minneapolis, Minn. Ventilator. 1,696,423; Dec. 25.
- Tierney, Philip W., assignor to Eastman Kodak Company, Rochester, N. Y. Speed control for motion-picture apparatus. 1,661,741; Mar. 6.
- Tietig, Chester, assignor to A. Andriessen, Cincinnati, Ohio. Thermionic valve. 1,673,850; June 19.
- Tiffany & Company. (See Barney, Arthur L., assignor.)
- Tiffany, Leverett W., Winsted, Conn. Assorting machine. 1,695,395; Dec. 18.
- Tiffany, Leverett W., Winsted, Conn. Packaging machine. 1,688,406; Oct. 23.
- Tiffany Manufacturing Co. (See Mason, Carl T., assignor.)
- Tift, Thomas D., (See Herthel, E. C., and Tift.)
- Tijmstra, Sijbren, Madison County, Ill., assignor to Roxana Petroleum Corporation. Refining oils. 1,684,159; Sept. 11.
- Tilden, Bert O., assignor to B. O. T. Mfg. Co., Trenton, N. J. Combined flush tank and cabinet. Des. 75,703; July 3.
- Tilden, Ellsworth, Kenmore, Ohio. Pipe-stem cleaner. 1,659,125; Feb. 14.
- Tilden, Galen, Ames, Iowa. Perpetual calendar. 1,678,834; July 31.
- Tilden, Galen, Ames, Iowa. Calendar structure. 1,687,743; Oct. 16.
- Tilden, Mabel B., Westmount, Quebec, Canada. Infant's shirt. 1,672,661; June 5.
- Tiley, George E., Richmond Hill, assignor to General Chemical Company, New York, N. Y. Tank car. 1,671,138; May 29.
- Till, Harris R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Vulcanizing apparatus. 1,656,251; Jan. 17.
- Till, Josefina, and K. Till, Neutitschein, Czechoslovakia. Hanging sleeping tent. 1,692,522; Nov. 20.
- Till, Konrad. (See Till, Josefina and K.)
- Till, William F., Brooklyn, N. Y. Making toilet seats. 1,686,049; Oct. 2.
- Tilley, Lynn B., and G. G. Lynch, Wilmington, N. C., assignors to Kennedy Corporation, Baltimore, Md. Force-feed lubricator. 1,660,899; Feb. 28.
- Tilley, Frederick C., Hendon, London, England. Hydrocarbon-vapor burner. 1,667,613; Apr. 24.
- Tilley, George S., Berkeley, Calif. Manufacture of aluminum chloride. 1,661,100; Feb. 28.
- Tilley, George S., Mill Valley, Calif. Separation of alumina from alum. 1,686,112; Oct. 2.
- Tilley, Herbert E. (See Dowsett, H. M., and Tilley.)
- Tillman, Richard, Mannheim, Germany. Packing device for pressure vessels. 1,665,827; Apr. 10.
- Tillmanns, Carl W., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Knife. Des. 75,940; July 31.
- Tillotson, Charles R., Clay Center, Kans. Pipe coupling. 1,663,739; Mar. 27.
- Tillotson, Harry C., E. A. Rullison, and C. W. McKinley, assignors to The Tillotson Manufacturing Co., Toledo, Ohio. Carburetor. 1,695,671; Dec. 18.
- Tillotson, James, jr., Jamestown, N. Y., assignor to Radio Corporation of America. Cabinet for radioreceivers. Des. 76,720; Oct. 23.
- Tillotson, James, jr., Jamestown, N. Y., assignor to Radio Corporation of America. Cabinet for radioreceivers. Des. 76,721; Oct. 23.
- Tillotson Manufacturing Co., The. (See Tillotson, H. C., Rullison, and McKinley, assignors.)
- Tillquist Hugo T. (See Isaksson, Carl J. E., assignor.)
- Tilly, Herbert J., Swampscott, assignor to Forbes Lithograph Company, Boston, Mass. Display stand. 1,657,649; Jan. 31.
- Tillyer, Edgar D. (See Glancy, A. E., and Tillyer.)
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Picture-projection film. 1,659,176; Feb. 14.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ear trumpet. 1,659,965; Feb. 21.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Bifocal lens. 1,659,966; Feb. 21.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument for throwing a beam of light into the eye. 1,664,953; Apr. 3.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Schematic eye. 1,671,911; May 29.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,686,113; Oct. 2.
- Tillyer, Edgar D., and N. M. Baker, assignors to American Optical Company, Southbridge, Mass. Lens measure. 1,671,912; May 29.
- Tilton, Charles H., Chicago, Ill. Shade mounting. 1,662,217; Mar. 13.
- Tilton & Cook Co. (See Laverdiere, Arthur J., assignor.)
- Tilton, John A., Rock Island, Quebec, Canada. Gate latch. 1,656,305; Jan. 17.
- Tilton, Webster, St. Louis County, assignor to Gardner Motor Company, Inc., St. Louis, Mo. Motor-car body. Des. 77,267; Dec. 18.
- Timberlake, Paul J., Jackson, Mich. Illuminated wreath. 1,655,345; Jan. 3.
- Timberlake, Paul J., Jackson, Mich. Hinged drying frame. 1,692,523; Nov. 20.
- Timbs, Edward. (See Faulkner, D. S., and Timbs.)
- Timbs, Edward, Los Angeles, assignor to Union Tool Company, Torrance, Calif. Clutch for three-speed draw works. 1,667,175; Apr. 24.
- Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Two-piece drum for rotary draw works. 1,670,600; May 22.
- Timbs, Edward, Los Angeles, Calif., assignor to The National Supply Company of Delaware, New York, N. Y. Wire-line lubricator. 1,675,068; June 26.
- Timbs, Edward, Los Angeles, and L. E. Zerbe, Moneta, Calif., assignors to The National Supply Company of Delaware, New York, N. Y. Chain drive sand reel attachment. 1,678,236; July 24.
- Time-O-Stat Corporation. (See Gauger, F. A., and Johnson, assignors.)
- Time Table Advertiser, Inc., The. (See Waterman, Leon R., assignor.)
- Timken-Detroit Axle Company, The. (See Brownier, Nelson R., assignor.)
- Timken-Detroit Axle Company, The. (See Garlent, Percé B., assignor.)
- Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)
- Timken-Detroit Axle Company, The. (See Naylor, Robert B., assignor.)

- Timken, Henry H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Axle construction. 1,665,332; Apr. 10.
- Timken Roller Bearing Company, The. (See Abel, Virgil L., assignor.)
- Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
- Timken Roller Bearing Company, The. (See Chievitz, William J., assignor.)
- Timken Roller Bearing Company, The. (See Curtis, George W., assignor.)
- Timken Roller Bearing Company, The. (See Frank, Pardee H., assignor.)
- Timken Roller Bearing Company, The. (See Hauser, A., and Wallin, assignors.)
- Timken Roller Bearing Company, The. (See Moore, Whitely B., assignor.)
- Timken Roller Bearing Company, The. (See Schlaupitz, Oswald, assignor.)
- Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
- Timken Roller Bearing Company, The. (See Stringberg, Richard, assignor.)
- Timken Roller Bearing Company, The. (See Timken, Henry H., assignor.)
- Timken Roller Bearing Company, The. (See Van Campen, Jonah H., assignor.)
- Timken Roller Bearing Company, The. (See Vanderbeek, Herbert, assignor.)
- Timken Roller Bearing Company, The. (See Wallin, Philip, assignor.)
- Timm, Julius, Chicago, Ill. Fingering steel for guitars and similar stringed instruments. 1,691,945; Nov. 20.
- Timmons, William D., Coshocton, Ohio. Cutting die. 1,683,934; Sept. 11.
- Timson, William, assignor to W. & T. Avery, Limited, Birmingham, England. Weighing apparatus. 1,663,509; Mar. 20.
- Timson, William, Soho Foundry, Birmingham, assignor to W. & T. Avery, Limited, Birmingham, England. Automatic or semiautomatic weighing apparatus. 1,665,722; Apr. 10.
- Timson, William, assignor to W. & T. Avery Limited, Birmingham, England. Weighing apparatus. 1,672,143; June 5.
- Tin Decorating Company of Baltimore, The. (See Hermand, Henry, assignor.)
- Tinello, Vito A., Utica, N. Y. Filter. 1,656,455; Jan. 17.
- Tingue Manufacturing Company. (See Howard, Henry, assignor.)
- Tinius Olsen Testing Machine Company. (See Lewis, Robert B., assignor.)
- Tinius Olsen Testing Machine Company. (See Lundgren, Jacob, assignor.)
- Tinius Olsen Testing Machine Company. (See McAdam, Dunlap J., Jr., assignor.)
- Tingberg, Anders, Skien, Norway. Hair-undulating tongs. 1,684,648; Sept. 18.
- Tingwall, Egon F. (See Nelson, E. H., and Tingwall.)
- Tinker, Herbert R., Lankershim, assignor of one-half to S. M. White, San Francisco, Calif. Combination spare-tire and accessory carrier. 1,684,160; Sept. 11.
- Tinker, Herbert W. (See Hansen, F. D., and Tinker.)
- Tinker, Herbert W., assignor to Federal Pressed Steel Company, Milwaukee, Wis. Bumper device for vehicles. 1,655,802; Jan. 10.
- Tinker, Herbert W., assignor to Federal Pressed Steel Company, Milwaukee, Wis. Bumper device for vehicles. 1,659,842; Feb. 21.
- Tinker, Herbert W., assignor to Federal Pressed Steel Company, Milwaukee, Wis. Bumper device for vehicles. 1,666,317; Apr. 17.
- Tinker, John M. (See Gubelmann, L., and Tinker.)
- Tinnerman, Albert H., Cleveland, Ohio. Stove. Des. 76,435; Sept. 25.
- Tinnerman, Albert H., Cleveland, Ohio. Stove-top construction. 1,664,004; Mar. 27.
- Tinnerman, Albert H., Cleveland, Ohio. Stove construction. 1,665,757; Apr. 10.
- Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. Double corner and lock for containers. 1,667,017; Apr. 24.
- Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. Sealed sanitary container. 1,673,426; June 12.
- Tintera, William J., Yonkers, N. Y. Vending machine. 1,681,601; Aug. 21.
- Tipil, Frank M., Milwaukee, Wis. Fishline holder. 1,676,119; July 3.
- Tippetts, George W., Spanish Fork, Utah. Gun. 1,685,730; Sept. 25.
- Tip's Tool Company. (See Tipsord, M. T., and Bodendieck, assignors.)
- Tipson, Melvin T., and H. W. Bodendieck, assignors to Tip's Tool Company, Incorporated, Taylorville, Ill. Protecting apparatus for linemen. 1,672,476; June 5.
- Tipson, Melvin T., and H. W. Bodendieck, assignors to Tip's Tool Company, Incorporated, Taylorville, Ill. Tool for handling high-tension electric wires. 1,672,477; June 5.
- Tipton, Edna S. (See Devine, Mary T., assignor.)
- Tipton, Edna S., Jackson Heights, N. Y. Perfume container and dispenser. 1,686,188; Oct. 2.
- Tipton, Edward F., assignor, by mesne assignments, of one-fourth to C. H. Adams, San Francisco, Calif. Radiator cap. Des. 75,196; May 15.
- Tipton, Edward F., assignor of one-fourth to V. P. King, and one-fourth to W. W. Bostwick, San Francisco, Calif. Car-track-groove cleaner. 1,667,402; Apr. 24.
- Tipton, John J., Pampa, Tex. Pipe clamp. 1,693,064; Nov. 27.
- Tipton, Monroe L., Hyndman, Pa. Track and flange lubricator. 1,687,185; Oct. 9.
- Tipton, William D., Baltimore, Md. Rotary valve. 1,667,228; Apr. 24.
- Tipton, William D., Towson, Md. Rotary valve. 1,692,396; Nov. 20.
- Tirritter, Joseph, Brooklyn, N. Y. Eraser reel. 1,655,444; Jan. 10.
- Tisch, William, Glendale, assignor to Modern Fibre Box Corporation, Los Angeles, Calif. Fiber-box-making machine. 1,658,422; Feb. 7.
- Tischler, Joseph J., and W. A., St. Paul, Minn. Child's vehicle. Des. 76,503; Oct. 2.
- Tischler, Max, Newark, N. J. Reel. 1,674,185; June 19.
- Tischler & Seichter. (See Petersen, F., and Krüssmann, assignors.)
- Tischler, Wendelin A. (See Tischler, Joseph J. and W. A.)
- Tisdale, James R., Vancouver, British Columbia, Canada. Display case. Des. 74,201; Jan. 3.
- Tishken, Paul, Detroit, Mich. Garage-door holder. 1,669,178; May 8.
- Tishler, William B. (See Garey, D., and Tishler.)
- Tissler, Josef, Philadelphia, Pa. Electric floor lamp. Des. 77,336; Dec. 25.
- Tissler, Josef, Philadelphia, Pa. Rivet holder. 1,675,773; July 3.
- Tissue Company, The. (See King, James W., assignor.)
- Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
- Titanium Pigment Company. (See Barton, L. E., and Kinzie, assignors.)
- Titanium Pigment Company. (See Barton, L. E., and Ryan, assignors.)
- Titchener, E. H., & Company. (See Titchener, Paul F., assignor.)
- Titchener, Paul F., assignor to E. H. Titchener & Company, Binghamton, N. Y. Enameling articles. 1,689,062; Oct. 23.
- Titcomb, Lee R., Brooklyn, assignor to Auto-Meter Co. Inc., New York, N. Y. Float-operated rheostat. 1,681,268; Aug. 21.
- Titcomb, Lee R., Brooklyn, and H. S. Ashmun, New York, N. Y. Nozzle-propelling mechanism and propelling the same. 1,675,738; July 3.
- Titcomb, Lee R., Brooklyn, and H. S. Ashmun, New York, N. Y. Pipe-cleaning device. 1,695,831; Dec. 18.
- Titeflex Metal Hose Co. (See Fulton, William H., assignor.)
- Titeflex Metal Hose Co. (See Herbst, W. K., and Stone, assignors.)
- Tite-Pack Filler Company. (See Segur, Asa B., assignor.)
- Tite-Pack Filler Company. (See Segur, Harvey and A. B., assignors.)
- Titgen, Harry W., Philadelphia, Pa. Tuyère wind box. 1,667,571; Apr. 24.
- Titgen, Harry W., Philadelphia, Pa. Sand cleaning and reclaiming unit. 1,696,064; Dec. 18.
- Titmas, Harry, Pawtucket R. I. Textile reed or comb. 1,662,591; Mar. 13.
- Tittensor, Harry, assignor to A C Spark Plug Company, Flint, Mich. Ford transmission speedometer drive. 1,675,625; July 3.
- Tittle, Walter, assignor, by mesne assignments, to R. M. Zearing, Jr., Philadelphia, Pa. Dispensing device. 1,670,222; May 15.
- Titus, Henry W., New York, N. Y. Exerciser. 1,669,499; May 15.
- Titus, John E. (See Denz, E. A., Kelley, and Titus.)
- Titus, John E. (See Denz, E. A., and Titus.)
- Titus, Leon, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Can-casing machine. 1,667,962; May 1.
- Titus, Leon, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Conveyor and inspecting apparatus. 1,674,419; June 19.
- Titus, Weimer H., New York, N. Y. Exercising device. 1,691,092; Nov. 13.
- Titus, William N., Erie, Pa. Internal-explosive engine. 1,654,999; Jan. 3.
- Titusville, Forge Company. (See Montgomery, Gustavus A., assignor.)
- Titusville Iron Works Company, The. (See Aular, Percy W., assignor.)
- Tivendale, William, Clydebank, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Straightening machine for needles and the like. 1,680,649; Aug. 14.
- Tizley, Arthur J., Brooklyn, assignor to Edward F. Caldwell & Co., Inc., New York, N. Y. Adjustable bracket for lamps. 1,672,794; June 5.
- Tizzani, Felix, Lyon, France. Instrument for measuring the perimeter of teeth. 1,666,430; Apr. 17.
- Tjaden, Alex S., Sioux City, Iowa. Light-control device for headlights. 1,678,170; July 24.
- Tjepkes, Albert, Grundy County, Iowa. Locking means for barrel bungs and faucets. 1,656,686; Jan. 17.

- Tjossem, Kinney, Paulina, Iowa. Power attachment for corn pickers. 1,694,608; Dec. 11.
- Tjossem, Kinney, assignor of one-half to S. Skaar, Paulina, Iowa. Power-drive attachment for corn pickers. 1,664,232; Mar. 27.
- Tobacco By-Products and Chemical Corporation. (See Cox, Edwin, assignor.)
- Tobacco Stemming Machine Company. (See Gooch, C. W., jr., and Ewers, assignors.)
- Tobata Imono Kabushiki Kaisha. (See Kikuta, Tario, assignor.)
- Tobler, Max E., Detroit, Mich. Removable stripper appliance. 1,683,501; Sept. 4.
- Tobener, William H., assignor of one-half to E. L. Winn, jr., Kansas City, Mo. Redecting traffic signal. 1,670,327; May 22.
- Tobey, H. R. (See Bennett, Earl J., assignor.)
- Tobia, Alexander G., Newark, N. J. Metallic golf-club head. 1,658,581; Feb. 7.
- Tobias, Wilfred R., Los Angeles, Calif. Roof. 1,685,559; Sept. 25.
- Tobin, Clarke W., East Orange, N. J. Stocking. Des. 74,847; Apr. 3.
- Tobin, Edmund J., Altadena, Calif. Drinking-water-serving olla. 1,692,062; Nov. 20.
- Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Door-securing means. 1,658,867; Feb. 14.
- Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Car-door support. 1,674,748; June 26.
- Tobin, Kenneth J., A. Wasberg, and G. Madland, assignors to Camel Company, Chicago, Ill. House car. 1,687,699; Oct. 16.
- Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Side-door construction. 1,687,997; Oct. 16.
- Tobin, William B. (See Battelle, G., Runkle, and Tobin.)
- Tobler, Richard. (See Staudinger, H., Tobler, Stocker, Müller, and Bucher.)
- Tobrin Tool Company, The. (See Thomson, William F., assignor.)
- Tocchio, Michele, Hammersmith, London, England. Kettle and the like. 1,684,811; Sept. 18.
- Tockar, Nicholas J., North Vancouver, assignor to V. Laursen, Vancouver, British Columbia, Canada. Pole-protecting device. 1,694,109; Dec. 4.
- Tockhorn, Hugo, Berlin-Tempelhof, Germany. Addressing device for printing presses for printing of fixed text with changeable address. 1,666,952; Apr. 24.
- Todd, Charles W., Schenectady, N. Y. Controlling the swiveling action of railway trucks. 1,661,814; Mar. 6.
- Todd, Charles W., Schenectady, N. Y. Lateral-resistance device. 1,689,261; Oct. 30.
- Todd Company, The. (See Orndorff, William R., assignor.)
- Todd Company, The. (See Payne, Walter B., assignor.)
- Todd Company, The. (See Savage, Edward S., assignor.)
- Todd Company, The. (See Smith, Burgess W., assignor.)
- Todd, David, Glasgow, Scotland. Driving belt. 1,664,335; Mar. 27.
- Todd Dry Dock Engineering & Repair Corporation. (See Haynes, George P., assignor.)
- Todd, Emory W., Mitchell, Nebr. Liquid-testing apparatus. 1,668,434; May 1.
- Todd, George M., Snoqualmie, Wash. Automatic lighter for stoves. 1,665,333; Apr. 10.
- Todd, George W., assignor to R. Todd, Omaha, Nebr. Dental instrument. 1,684,252; Sept. 11.
- Todd, Harry, Linthorpe, Middlesbrough, England. Composition for permanent molds for metal casting. 1,674,232; June 19.
- Todd, James A. (See Estill, S. C., and Todd.)
- Todd, James A., Attalla, Ala., assignor to Compress Buckle Company, Fort Worth, Tex. Bale-tie buckle. 1,688,365; Oct. 23.
- Todd, Rhena. (See Todd, George W., assignor.)
- Todd, Victor H., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,686,645; Oct. 9.
- Toelle, August. (See Wilson, C. E., and Toelle.)
- Toennissen, Ernst, Tübingen, Germany. Wheel for pressing the empty tubes upon the spindles of spinning and doubling frames. 1,682,155; Aug. 28.
- Toennissen, Ernst, Tübingen, Germany. Pressing-off device for tubes and yarn bodies of spinning and doubling frames. 1,682,156; Aug. 28.
- Toepfert, Henry J., assignor to White and Wyckoff Manufacturing Company, Holyoke, Mass. Lining envelopes and machine. 1,673,606; June 12.
- Toepfert, Henry J., and G. M. Prentice, Holyoke, Mass., assignors to White & Wyckoff Manufacturing Company. Apparatus for embossing. 1,660,980; Feb. 28.
- Toellmiller, Lance J., San Leandro, and C. Miller, Oakland, assignors to Junior Monarch Hay Press Company, San Leandro, Calif. Follower-operating mechanism for hay presses. 1,683,935; Sept. 11.
- Tohtz, Helmuth W., and K. L. Bonnell, St. Louis, Mo. Refrigerator. 1,678,171; July 24.
- Tohtz, Helmuth W., and K. L. Bonnell, St. Louis, Mo. Refrigerating system. 1,678,172; July 24.
- Tojek Brothers. (See Tojek, Stephen F.)
- Tojek, Philip, et al. (See Tojek, Stephen F., assignor.)
- Tojek, Stephen F., et al. (See Tojek, Stephen F., assignor.)
- Tojek, Stephen F., assignor to S. F. Tojek and P. Tojek, copartners doing business under the firm name and style of Tojek Brothers, Milwaukee, Wis. Feeding device for shaping presses. 1,662,218; Mar. 13.
- Tokuhisa, Tokusaburo, Hollywood, Calif. Gear-shift indicator. 1,690,956; Nov. 6.
- Tol, Hermanus F., The Hague, assignor to Naamlooze Venootschap: Machinefabriek "Reineveld," Delft, Netherlands. Ironing machine. 1,684,333; Sept. 11.
- Tolbert, Olivia V., Frys Mills, Ark. Skirt marker. 1,662,407; Mar. 13.
- Toledo Automatic Brush Machine Co., The. (See Jobst, Conrad, assignor.)
- Toledo Machine & Tool Company, The. (See Hatch, Meredith R., assignor.)
- Toledo Machine & Tool Company, The. (See Hinde, Henry J., assignor.)
- Toledo Machine & Tool Company, The. (See Seidel, Fred C., assignor.)
- Toledo Pressed Steel Company, The. (See Close, Lyman W., assignor.)
- Toledo Scale Company. (See Buckingham, Fremont H., assignor.)
- Toledo Scale Company. (See Chapman, Frank H., assignor.)
- Toledo Scale Company. (See Cheetham, Gordon B., assignor.)
- Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
- Toledo Scale Company. (See Hem, Halvor O., assignor.)
- Toledo Scale Company. (See Houston, Aubrey, assignor.)
- Toledo Scale Company. (See Hurt, Samuel N., assignor.)
- Toledo Scale Company. (See Marshall, Charles O., assignor.)
- Toledo Scale Company. (See Osgood, Louis A., assignor.)
- Toledo Scale Company. (See Reed, Chase C., assignor.)
- Toledo Scale Company. (See Reeves, Orwell C., assignor.)
- Toledo Scale Company. (See Strubler, Charles G., assignor.)
- Toledo Scale Company. (See Theobald, John L., assignor.)
- Toledo Scale Company. (See Thomas, Edward G., assignor.)
- Toledo Scale Company. (See Wetzel, Lewis C., assignor.)
- Toles, Justin K., Berkeley, Calif. Detergent and polishing material. 1,658,107; Feb. 7.
- Tolini, Pietro. (See Donagemma, G., Tolini, Valentini, and Micozzi.)
- Tolle, Howard E. and V. A., Dayton, Ohio, assignors of one-third to P. A. Tolle. Liquid-dispensing means. Re17,008; June 26.
- Tolle, Paul A. (See Tolle, Howard E. and V. A., assignors.)
- Tolle, Verner A. (See Tolle, Howard E. and V. A.)
- Tollenaar, Glenn E. (See Burns, H. J., and Tollenaar.)
- Tollerud, Guy, Austin, Minn. Automobile oil-heating device. 1,667,614; Apr. 24.
- Tolliver, Charles G., Jonben, W. Va. Gun. 1,693,414; Nov. 27.
- Tolman, Edgar B., jr., Chicago, Ill. Conveyer. 1,681,881; Aug. 21.
- Tolman, Edgar B., jr., Chicago, Ill. Conveying apparatus. 1,684,649; Sept. 18.
- Tolman, Richard C., Washington, D. C., W. L. De Baufre, Lincoln, Nebr.; J. W. Davis, Washington, D. C.; and M. H. Roberts, Englewood, N. J., assignors to S. G. Allen, trustee. Liquefaction apparatus. 1,676,225; July 3.
- Tolman, Roy D., Worcester, Mass. Skate-blade protector. 1,691,558; Nov. 13.
- Tolmie, Jack R., and T. M. Libby, Seattle, Wash. Audion. 1,691,946; Nov. 20.
- Tolmie, Ronald C., Rock Island, assignor to Deere & Company, Moline, Ill. Hand anvil. 1,692,004; Nov. 20.
- Toman, E., & Company. (See Toman, Edward, assignor.)
- Toman, Edward, assignor to E. Toman & Company, Chicago, Ill. Diaphragm and mounting therefor. 1,691,093; Nov. 13.
- Toman, James, Chicago, Ill. Velocipede. 1,677,061; July 10.
- Toman, John. (See Borrowdale, Russell W., assignor.)
- Toman, Otto E., Pine City, Minn. Bag holder. 1,662,764; Mar. 13.
- Tomarin, Marcus, Chicago, Ill. Forming cement blocks. 1,684,525; Sept. 18.
- Tomasulo, Nestor N., assignor to E. Julian, Philadelphia, Pa. Hair clipper. 1,666,224; Apr. 17.
- Tomich, Hugo G., assignor to Reliance Manufacturing Company, Chicago, Ill. Sewing machine. 1,672,353; June 5.
- Tomilson, Joe L., et al. (See Hitchcock, Guy F., assignor.)
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,566; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,567; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,568; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,569; Oct. 9.

- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,570; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,571; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,572; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,573; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,574; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,575; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,576; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,577; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,578; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,579; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,580; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,581; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,582; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,583; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,584; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,585; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,586; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,587; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,588; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,589; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,590; Oct. 9.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,881; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,882; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,883; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,884; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,885; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,886; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,887; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,888; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,889; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,890; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,891; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,892; Nov. 6.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,964; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. Des. 76,965; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,966; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,967; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,968; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,969; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,970; Nov. 20.
- Tomita, Urasaburo, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,971; Nov. 20.
- Tomita, Urasaburo, Astoria, N. Y., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. Des. 76,972; Nov. 20.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Toggle bolt. 1,694,493; Dec. 11.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Toggle bolt. 1,694,494; Dec. 11.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Anchor. 1,695,303; Dec. 18.
- Tomkinson, Joseph J., Fort Wayne, Ind. Water-softening device. 1,688,366; Oct. 23.
- Tomlin, Leon A., Baltimore, Md. Safety elevator. 1,696,557; Dec. 25.
- Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Car coupler. 1,660,733; Feb. 28.
- Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
- Tomlinson, George H., Montreal, Quebec, Canada. Cooking sulphite pulp. 1,657,048; Jan. 24.
- Tomlinson, Guy A., Detroit, Mich. Ring setting. Des. 76,166; Aug. 21.
- Tomlinson, John K., Chicago, Ill. Shade-roller construction. 1,688,563; Oct. 23.
- Tommins, Vincent P., Jersey City, N. J. Tensioning device for clotheslines. 1,690,957; Nov. 6.
- Tompkins, Charles P., Barnett, Mo. Extra-tire support. 1,689,063; Oct. 23.
- Tompkins, Stonewall, Passaic, N. J. Transmission gearing. 1,675,392; July 3.
- Toms, William P., and W. R. Fowler, assignors to Magnet Knitting Mills, Clinton, Tenn. Backwinding machine. 1,663,878; May 8.
- Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Windshield bracket. 1,659,673; Feb. 21.
- Toncray, Millard H., assignor to Hudson Motor Car Company, Detroit, Mich. Hood latch for automobiles. 1,678,025; July 24.
- Toncray, Miller H. (See Fekete, S. I., and Toncray.)
- Tondreau, Albert W. (See Gage, F. W., and Tondreau.)
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Grinding wheel and holder therefor. 1,661,861; Mar. 6.
- Toney, Charles B., jr., Los Angeles, Calif. Piston. 1,662,725; Mar. 13.
- Toney, Edward, assignor to The Kawneer Company, Niles, Mich. Molding. Des. 77,268; Dec. 18.
- Toney, Edward, assignor to The Kawneer Company, Niles, Mich. Molding. Des. 77,269; Dec. 18.
- Toney, Edward, assignor to The Kawneer Company, Niles, Mich. Molding. Des. 77,270; Dec. 18.
- Toney, Otis G., Richmond, Va. Washing machines. 1,660,852; Feb. 28.
- Tong, Woo, Cleveland, Ohio. Device for cleaning fountain pens. 1,666,186; Apr. 17.
- Toniola, Carlo, Milan, Italy. Rapid evaporation to dryness of ammonium nitrate solutions. 1,661,203; Mar. 6.
- Tonkel, Albert F., assignor to Wayne Company, Fort Wayne, Ind. Liquid-dispensing apparatus. 1,670,392; May 22.
- Tonkin, John J., Somerville, N. J. Flocculated fuel compound. 1,659,337; Feb. 14.
- Tonndorf, Viktor. (See Scheid, J. F., and Tonndorf.)
- Tonnesen, Beatrice S., Chicago, Ill. Holder for long-stem flowers. 1,664,436; Apr. 3.
- Tönsmann, Henry, Sao Paulo, Brazil, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,664,910; Apr. 3.
- Tonso, Domenick, New York, N. Y. Vacuum-cleaner attachment. 1,658,311; Feb. 7.
- Toobey, Frank, South Acton, assignor to Harding Engineering Company, East Boston, Mass. Distributing device. 1,691,313; Nov. 13.
- Tooke, William A., Montreal, Quebec, Canada. Collar. 1,658,868; Feb. 14.
- Toolan, John J. (See Gollnick, P. A., and Toolan.)
- Toolan, John J. (See Gollnick, P. A., Toolan, and Harred.)
- Toole, John, Kirkland Lake, Ontario, Canada. Shoemaker's last. 1,691,415; Nov. 13.

- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,666,153; Apr. 17.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Distribution of programs over wires. 1,666,154; Apr. 17.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Program-selecting circuits. 1,667,753; May 1.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Program-transmission system for apartment houses. 1,676,301; July 10.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone signal system. 1,678,685; July 31.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Monitoring and controlling circuits for program distribution. 1,684,422; Sept. 18.
- Toomey, John F., New York, N. Y., and G. H. Duhnkrack, Jersey City, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,690,211; Nov. 6.
- Toomey, John J., Chicago, Ill. Stove or range. 1,655,115; Jan. 3.
- Toope, Robert F., New Haven, Conn. Automatic poultry feeder. 1,684,334; Sept. 11.
- Toothaker, Fred E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,683,636; Sept. 11.
- Topham, Charles F. (See Glover, W. H., and Topham.)
- Topham, Charles F., Coventry, assignor to Courtaulds Limited, London, England. Manufacture of artificial threads and the like and apparatus therefor. 1,671,878; May 29.
- Topham, Laurence E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Controlling system. 1,667,963; May 1.
- Topham, Laurence E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last-measuring stick. 1,679,387; Aug. 7.
- Topham, Laurence E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for effecting systematic irregularities in the reproduction of objects. 1,681,960; Aug. 28.
- Topham, Laurence E., Wenham, Mass., assignor to The United Shoe Machinery Corporation, Paterson, N. J. Manufacture of lasts. 1,669,500; May 15.
- Topham, Laurence E., Swampscott, Mass., assignor to United States Machinery Corporation, Paterson, N. J. Sewing machine. 1,679,753; Aug. 7.
- Topp, Mathias, Gjøvik, assignor to O. Mustad & Son, Oslo, Norway. Machine for the manufacture of fishhooks. 1,691,534; Nov. 13.
- Toppe, Friedrich W. H., Schwartau, near Lubeck, Germany. Wheel made of netting. 1,684,564; Sept. 18.
- Topper, William S., Bucyrus, Ohio. Nonskid device for pneumatic tires. 1,673,427; June 12.
- Topping, Charles P., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Feed mechanism for nuts and the like. 1,674,309; June 19.
- Topping, Charles P., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Forging machine and method. 1,674,310; June 19.
- Torling, John A., Bronxville, N. Y. Roof. Des. 76,843; Nov. 6.
- Topping, John A., Nyack, N. Y. Shingle and roof. 1,668,291; May 1.
- Torbet, Mayson W. (See Fitch, F. E., and Torbet.)
- Torchia, Alberto, Brooklyn, N. Y. Printing device for telephones. 1,669,955; May 15.
- Torchwald Equipment Company. (See Morrison, George A., assignor.)
- Tordsen, Herman C., assignor of one-half to E. J. Stotereau and F. K. Gage, Lakefield, Minn. Grain-car door. 1,661,514; Mar. 6.
- Torkelson, John L., Burke, Idaho. Elastic-fluid cleaner. 1,681,382; Aug. 21.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Timing device for pneumatic metal pumps. 1,689,698; Oct. 30.
- Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Pump for molten metal. 1,696,656; Dec. 25.
- Tornkvist, Erik G., New York, N. Y. Universal safety razor. 1,679,551; Aug. 7.
- Toro Manufacturing Company. (See Clapper, John S., assignor.)
- Toip, Morten J. (See Hansen, A., and Torp.)
- Torrance, Adam F., Kansas City, Mo. Duplex envelope. 1,667,176; Apr. 24.
- Torregrassa, Charles, New Orleans, La. Signboard. Des. 75,300; May 22.
- Torres y Curbelo, José M., Habana, Cuba. Refrigerator. 1,686,205; Oct. 2.
- Torrey, Lucien L., Los Angeles, Calif. Refrigerating apparatus. 1,660,897; Feb. 28.
- Torriani, Angelo, Pavia, Italy. Thermoelectric heater. Re17,093; Oct. 2.
- Torrison, Edil R., Philadelphia, assignor to John S. Stokes, Huntington Valley, Pa. Matrix and making the same. 1,681,447; Aug. 21.
- Torson, Harry A. (See Butler, J. M., and Torson.)
- Torst, Axel G., Modesto, Calif. Clothes hanger. 1,672,795; June 5.
- Torulf, Helge G. (See Holmberg, Anders, assignor.)
- Toscano, Louis P., assignor to Fonda Container Co., Inc., Utica, N. Y. Method of and apparatus for lining closure elements. 1,693,007; Nov. 27.
- Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Bracelet. 1,680,706; Aug. 14.
- Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Link strap. 1,684,977; Sept. 18.
- Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Cord watch bracelet. 1,695,747; Dec. 18.
- Toth, Stephen. (See Cesar, Gyula, assignor.)
- Totten, Harry A., Burlingame, Calif. Golf tee and making same. 1,656,401; Jan. 17.
- Touche, Jorge S., Monterey, Mex. Manufacturing shoes. 1,682,868; Sept. 4.
- Toulmin, Harry A., jr., assignor to The Duro Company, Dayton, Ohio. Water-softening apparatus. 1,694,457; Dec. 11.
- Toulon, Pierre M. G., Paris, France, assignor, by mesne assignments, to General Electric Company. Current-regulating arrangement for rectifiers. 1,654,949; Jan. 3.
- Toulon, Pierre M. G., Paris, France, assignor, by mesne assignments, to General Electric Company. Device for controlling the current produced by vapor rectifiers. 1,654,950; Jan. 3.
- Toulon, Pierre M. G., Paris, France, assignor, by mesne assignments, to General Electric Company. Device for controlling the current produced by vapor rectifiers. 1,654,951; Jan. 3.
- Toulon, Pierre M. G., Puteaux, assignor to Societe Anonyme des Relais a Arc, Paris, France. Device for controlling and adjusting the current passing through an arc fed with alternating current. 1,668,615; May 8.
- Tournier, Edward P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 1,678,173; July 24.
- Tower, Edwin B. H., jr. (See Briggs, Stephen F., assignor.)
- Tower Manufacturing Co. (See Miller, Alfred, assignor.)
- Tower Manufacturing Co. (See Merrill, Hamilton, assignor.)
- Tower Manufacturing Co. (See Shafer, Lincoln M., assignor.)
- Towers, John, Fargo, N. D. Grain-car-door-operating means. 1,674,577; June 19.
- Towle, Elmer E., Richmond, Ind., assignor to International Harvester Company, Chicago, Ill. Grain drill. 1,659,009; Feb. 14.
- Towle Manufacturing Company. (See Nock, Harold E., assignor.)
- Towne, Charles A., Drumright, Okla. Drilling bit. 1,669,360; May 8.
- Towne, Walter M., New York, assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y. Working zinc. 1,686,353; Oct. 2.
- Townend, Robert, Chorlton-cum-Hardy, and J. A. Kuyser, Sale, England, assignors to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. 1,685,970; Oct. 2.
- Towner, Heber F. (See Reynolds, Joseph S., assignor.)
- Towns, Eugene S., Pharr, Tex. Cotton regulator. 1,679,250; July 31.
- Townsan, Clarence R., et al. (See Leeper, Jesse C., assignor.)
- Townsen, John R., South Bend, Ind., assignor to Westinghouse Electric & Manufacturing Company. Post-top lantern. Des. 74,811; Mar. 27.
- Townsend, Arthur J. (See Naugle, H. M., and Townsend.)
- Townsend, Arthur J., Canton, Ohio, assignor, by mesne assignments, to The Columbia Steel Company, Pittsburgh, Pa. Electric welding method and apparatus. 1,680,233; Aug. 7.
- Townsend, Edward G. (See Housley, W. F., and Townsend.)
- Townsend, George H., Greenwich, Conn. Light casing. Des. 76,331; Sept. 11.
- Townsend, George H., Greenwich, Conn., assignor, by mesne assignments, to The Kingsley-Miller Company, Chicago, Ill. Radiator cap. Des. 76,504; Oct. 2.
- Townsend, George H., Greenwich, Conn., and H. Schlach, Long Island City, N. Y. Radiator cap. 1,682,641; Aug. 28.
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Rotary switch mechanism. 1,677,008; July 10.
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Time-element electroresponsive device. 1,695,723; Dec. 18.
- Townsend, George R., Schenectady, N. Y., assignor to General Electric Company. Time-element electroresponsive device. 1,695,748; Dec. 18.
- Townsend, Harry A., Minneapolis, Minn. Blanket holder for hoods of automobiles. 1,696,220; Dec. 25.
- Townsend, Harry E., Brooklyn, N. Y. Assembling machine. 1,677,739; July 17.
- Townsend, Herbert A., Stockton, Ill. Automatic ensilage distributor for silos. 1,691,683; Nov. 13.
- Townsend, James R. (See Wilson, George W., assignor.)

- Townsend, John R., South Bend, Ind., assignor to George Cutter Company. Lamp grip. 1,667,910; May 1.
- Townsend Manufacturing Company. (See Jancke, Benno F., assignor.)
- Townsend, Patrick M., Memphis, Tenn. Hinge connection for sectional doors. 1,659,928; Feb. 21.
- Towsley, Paul G., Indianapolis, Ind. Golf tee. 1,692,191; Nov. 20.
- Toy, George D. (See Perry, W. A., and Toy.)
- Toy Kroffers, Inc., The. (See Fisher, Charles D., assignor.)
- Toy Tinkers, Inc., The. (See Pajean, Charles H., assignor.)
- Toyoda, Kichiro, Nagoya, Japan. Buffer for the picking arms in weaving looms. 1,665,514; Apr. 10.
- Toyoda, Kichiro, Nagoya, Japan. Shuttle-changing apparatus for automatic looms. 1,667,572; Apr. 24.
- Toyoda, Kichiro, Shirakabecho, Nagoya, Japan. Let-off motion in weaving looms. 1,689,506; Oct. 30.
- Toyoda, Sakichi, Nagoya, Japan. Taking-up device for circular looms. 1,689,507; Oct. 30.
- Toyoda, Sakichi, Nagoya, Japan. Shedding motion for circular looms. 1,691,314; Nov. 13.
- Tozer, Alfred J., Wellington, New Zealand. Bolt for use in conjunction with existing door locks. 1,661,584; Mar. 6.
- Tozier, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Lowering the viscosity of nitrocellulose in solutions by mechanical action. 1,666,049; Apr. 10.
- Trabucco, J. E., et al. (See Bettoli, Rudolph W., assignor.)
- Tracey, Fred A., Portland, Oreg. Constructing and supporting forms for concrete work. 1,694,292; Dec. 4.
- Tracey, Leslie J., and H. H. Quail, Stockton, Calif. Identification. 1,682,153; Aug. 28.
- Tracey, William, Detroit, Mich. Internal-combustion engine. 1,671,796; May 29.
- Trachsel, Fritz, Bern, assignor to "Chr. Gfeller Aktien-gesellschaft," Bern-Bumpliz, Switzerland. Switch device for automatic telephone exchange systems. 1,663,360; Mar. 20.
- Trachsel, Franz, and J. Wiedmer, Bern, and P. Zigerli, Zurich, Switzerland. Production of artificial stone and artificial wood. 1,665,148; Apr. 3.
- Tractor Grip Wheel Company, The. (See Wine, William E., assignor.)
- Tracy, David D., Jackson, Mich. Conduit mold. 1,673,167; June 12.
- Tracy, Earl G. S. (See Dahl, Conrad, assignor.)
- Tracy, Howard E., assignor to O. S. Walker Co., Inc., Worcester, Mass. Angular magnetic chuck. 1,673,719; June 12.
- Tracy, Katherine M. (See Mooney, William C., assignor.)
- Tracy, Peter J., assignor to The Otaka Fabric Company, Hartford, Conn. Lifter design machine. 1,663,616; May 8.
- Tracy, Peter J., assignor to The Otaka Fabric Company, Hartford, Conn. Filigree-design process. 1,679,996; Aug. 7.
- Tracy, Warren C., Los Angeles, Calif. Apparatus for the recovery of minerals from ore. 1,657,097; Jan. 24.
- Traeger, Anthony G. and J. J., Timber Lake, S. Dak. Combined end gate and scoop board for wagon boxes. 1,670,173; May 15.
- Traeger, Joseph J. (See Traeger, Anthony G. and J. J.)
- Trafalet, Robert, Fostoria, assignor to The Yoder Company, Cleveland, Ohio. Machine for rolling sheet metal. 1,694,495; Dec. 11.
- Traffic and Street Sign Company. (See Pfaff, Henry C., assignor.)
- Trageser, Albert H., and L. Hassinger, New York, N. Y. Securing barrel heads. 1,674,578; June 19.
- Trail, Herbert H., Vancouver, British Columbia, Canada. Brake-operating mechanism. 1,687,047; Oct. 9.
- Trailmobile Company, The. (See Jones, Rufus B., assignor.)
- Train Control Corporation of America. (See Clifford, Patrick J., assignor.)
- Train Control Corporation of America. (See Clifford, P. J., Gibbs, and Lynch, assignors.)
- Train Control Corporation of America. (See Langdon, Andrew, assignor.)
- Trainor, Frank, Seattle, Wash. Spar splice. 1,688,063; Oct. 16.
- Trakalo, Andrew, The Pas, Manitoba, Canada. Horse-shoe. 1,688,251; Oct. 16.
- Trammell, Earl M., assignor to El Paso Sash & Door Company, El Paso, Tex. Telephone cabinet. Des. 74,706; Mar. 13.
- Trammell, Earl M., assignor to El Paso Sash & Door Co., El Paso, Tex. Kitchen cabinet. 1,689,371; Oct. 30.
- Trammell, Earl M., assignor to El Paso Sash & Door Company, El Paso, Tex. Telephone cabinet. 1,689,414; Oct. 30.
- Trammell, Jefferson D., Fort Worth, Tex. Reinforced-concrete pipe. 1,666,799; Apr. 17.
- Trankowski, Bruno, and G. Grodd, Bridgeport, Conn. Self-massage roller. 1,688,764; Oct. 23.
- Trans-Lux Daylight Picture Screen Corporation. (See Birdsall, Wilfred T., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Dahne, Robert L., assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Payne, Arthur, assignor.)
- Trans-Lux Daylight Picture Screen Corporation. (See Troeger, Ernest A., assignor.)
- Transom, Frederick, Washington, D. C., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. System of rectification. 1,661,585; Mar. 6.
- Transue, Charles, Mount Jewett, Pa. Pressure-retaining valve. 1,676,169; July 3.
- Transue, Hobart E. (See Vauclain, J. L., Wright, and Transue.)
- Tranter, Herbert W., Peterboro, Ontario, Canada. Tool control for thread-cutting machines and making same. 1,660,824; Feb. 28.
- Trapnell, George B., Chester, Pa. Funnel. 1,686,995; Oct. 9.
- Trapp, Louis F., Columbus, Wis. Thrashing machinery. 1,672,011; June 5.
- Trask, Glenn W., Green Bay, Wis. Milk-bottle indicator and coin holder. 1,687,956; Oct. 16.
- Tratsch, Walter A. (See Bechtol, A. H., and Tratsch.)
- Tratsch, Walter A., Chicago, Ill. Amusement device. 1,656,306; Jan. 17.
- Traub Company, Inc. (See Traub, Lazar M., assignor.)
- Traub, Lazar M., Brookline, assignor to Traub Company Inc., Boston, Mass. Bottle cover, especially adapted for the use with milk bottles. 1,695,396; Dec. 18.
- Traube, Abraham, Brooklyn, N. Y. Cleaning device. 1,679,843; Aug. 7.
- Traubitz, Sydney M., New York, N. Y. Electrical outlet. 1,684,161; Sept. 11.
- Trauger, Guy A., Livermore, Iowa. Remote control for tractors. 1,683,000; Sept. 4.
- Trauger, John W., Binghamton, N. Y., assignor to Fair Play Caramels, Inc. Confection. 1,694,458; Dec. 11.
- Traugot, John S., Newark, N. J., assignor to Ohmer Fare Register Company, Dayton, Ohio. Zone rate meter. 1,675,069; June 26.
- Trautman, Ernest, Lakewood, assignor to The Republic Box Company, Cleveland, Ohio. Bottle crate. 1,684,898; Sept. 18.
- Trautman, Frank J., Fort Wayne, Ind. Beverage pump. 1,679,104; July 31.
- Trautman, Raymond B. (See Kosek, J. H., and Trautman.)
- Trautmann, Otto C., New York, N. Y. Acid-concentrating chamber. 1,695,619; Dec. 18.
- Trautner, Willy. (See Berliner, R., Stein, and Trautner.)
- Trautwein, George F. (See Walker, C. J., and Trautwein.)
- Travell, Warren. (See Powelson, W. V. N., and Travell.)
- Traver, Carl H., Binghamton, N. Y. Hydroplane. 1,689,807; Oct. 30.
- Traver, Harry G., Beaver Falls, Pa. Coaster train. 1,654,670; Jan. 3.
- Traver, Lillian F., Sand Lake, N. Y. Garment. 1,665,232; Apr. 10.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. Re16,966; May 15.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,658,660; Feb. 7.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Circuit-controlling device. 1,658,695; Feb. 7.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 1,659,619; Feb. 21.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective device. 1,664,097; Mar. 27.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 1,669,149; May 8.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. 1,680,707; Aug. 14.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Rely. 1,680,708; Aug. 14.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. 1,680,754; Aug. 14.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective device. 1,689,508; Oct. 30.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Electrothermal device. 1,692,474; Nov. 20.
- Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Selective-circuit-controlling system. 1,693,325; Nov. 27.
- Travers, Charles J. (See Bolens, H. W., Strite, and Travers.)
- Travers, Charles J. (See Liedtke, A. J., and Travers.)
- Travers, Charles J., assignor to Gilson Manufacturing Company, Port Washington, Wis. Tractor and hitch construction. 1,635,968; Oct. 2.
- Travers and Clark, Limited. (See Travers, M. W., and Clark, assignors.)
- Travers, John T., Columbus, Ohio. Purifying tannery waste. 1,672,586; June 5.
- Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Separation vat. 1,672,583; June 5.

- Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Process of and material for treating sewage and industrial waste. 1,672,584; June 5.
- Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Process of and material for treating sewage and industrial waste. 1,672,585; June 5.
- Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Purifying sewage and industrial waste. 1,672,587; June 5.
- Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Process and apparatus for treating polluted acid wastes. 1,685,300; Sept. 25.
- Travers, John T., assignor to The Travers-Lewis Process Corporation, Columbus, Ohio. Treatment of polluted wastes. 1,685,301; Sept. 25.
- Travers-Lewis Process Corporation, The. (See Travers, John T., assignor.)
- Travers, Morris W., Aldwych, London, and F. W. Clark, Lymm, assignors to Travers & Clark, Limited, Manchester, England. Manufacture of gas from coal. 1,674,000; June 19.
- Travers, Morris W., London, and F. W. Clark, Lymm, assignors to Regenerative Coal Gasification System, Limited, Manchester, England. Apparatus for the manufacture of mixed gas. 1,681,313; Aug. 21.
- Travers Process Corporation, The. (See Urbahn, Oliver M., assignor.)
- Travers, Richard H., Chicago, Ill. Shock absorber. 1,671,658; May 29.
- Travis, Bert, Whittier, Calif. Bit. 1,656,025; Jan. 10.
- Travis, Bertram C., assignor of one-half to M. Levy, Los Angeles, Calif. Pipe-slotting machine. 1,695,513; Dec. 18.
- Travis, Frank A., Kansas City, Mo. Piston expander. 1,680,650; Aug. 14.
- Travis, George E., Henry, Ill. Draft control for heating apparatus. 1,672,287; June 5.
- Travis, Simeon E., jr., Hattiesburg, Miss. Side-rail truck body. 1,681,021; Aug. 14.
- Travis, Webster F., Oklahoma City, Okla., assignor to The Guiberson Corporation, Dallas, Tex. Pipe gripping and supporting device. 1,674,144; June 19.
- Traxel, William J. (See Kantor, J., Fick, and Traxel.)
- Traxler, David, Flint, Mich. Garment pocket. Re1,691,6; Mar. 27.
- Tray Service Company. (See Coleman, Harris C., assignor.)
- Traylor Engineering & Manufacturing Company. (See Bernhard, Richard, assignor.)
- Traylor Engineering & Manufacturing Company, The. (See Patten, Charles H., assignor.)
- Traylor, William E., Fort Smith, Ark. Liquid register. 1,680,651; Aug. 14.
- Traynick, William J., Portland, Mich. Package tie. 1,654,764; Jan. 3.
- Trayway Mfg. Co. (See Morehouse, F. B., and Kleinhammer, assignors.)
- Trobojevich, Nikola, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y. Hobbing spur gears. 1,662,408; Mar. 13.
- Trobojevich, Nikola, Highland Park, Mich. Generating helical gears. 1,669,919; May 15.
- Trobojevich, Nikola, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y. Method of and machine for generating worm gears and the like. 1,689,565; Oct. 30.
- Trobojevich, Nikola, Detroit, Mich., assignor to Gleason Works, Rochester, N. Y. Hob. 1,689,566; Oct. 30.
- Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Indicating device for electrical apparatus. 1,668,388; May 1.
- Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 1,670,697; May 22.
- Trecker, Theodore, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Attachment for machine tools having a plurality of overarms. 1,658,267; Feb. 7.
- Trefney, Joseph. (See Boucek, J., Halick, and Tefney.)
- Tregillus, Harold G., Park Ridge, Ill. Trussed structure. 1,685,107; Sept. 25.
- Treglown, George H., and E. Carter, assignors to The Correcta Light Company Limited, London, England. Dirigible headlight mechanism. 1,693,499; Nov. 27.
- Trego Engineering Corporation. (See Trego, Frank H., assignor.)
- Trego, Frank H., assignor Trego Engineering Corporation, New York, N. Y. Internal-combustion engine. 1,690,384; Nov. 6.
- Trego, Glenn P., Mexico, Pa. Windshield wiper. 1,686,400; Oct. 2.
- Tregoning, William C., Cleveland Heights, Ohio. Separable electrical connection. 1,677,256; July 17.
- Treiber Diesel Engine Corporation. (See Bartow, Jack B., assignor.)
- Treiber Diesel Engine Corporation. (See Treiber, Otis D., assignor.)
- Treiber, Otis D., assignor to The Bessemer Gas Engine Company, Grove City, Pa. Friction clutch. 1,660,497; Feb. 28.
- Treiber, Otis D., Collingswood, assignor to Treiber Diesel Engine Corporation, Camden, N. J. Uniting metal objects. 1,692,966; Nov. 27.
- Treichel, Otto, Berlin, Germany. Printing in greasy inks with gelatin printing surfaces. 1,661,515; Mar. 6.
- Treleven, Clifford L., Jackson Heights, assignor to Color Cinema Productions, Inc. New York, N. Y. Color photography. 1,696,739; Dec. 25.
- Trembour, Max R., Canton, Ohio, assignor to Central Alloy Steel Corporation, New York, N. Y. Sink-head top. 1,665,515; Apr. 10.
- Tremont Products Corporation. (See Smith, Raymond D., assignor.)
- Tremper, Charles W., assignor to The Tremper-Shields Co., New Haven, Conn. Air-control device for air-operated sheet-feeding mechanisms. 1,665,723; Apr. 10.
- Tremper-Shields Co., The. (See Tremper, Charles W., assignor.)
- Trenchard, Henry, jr. (See Swab, Jay G., assignor.)
- Trénel, Max, Berlin-Dahlem, Germany. Apparatus for electrometric determination of hydrogen ion concentration. 1,657,421; Jan. 24.
- Trenkamp, Herman J., et al. (See Küttel, Karl, assignor.)
- Tresise, Raleigh E., et al. (See Hans, E. E. and Henry, assignors.)
- Trenner, Simeon, Philadelphia, Pa. Pipette. 1,678,540; July 24.
- Trenor, Albert D. (See Hammond, J. H., jr., and Trenor.)
- Trenor, Albert D., New York, N. Y., assignor to J. H. Hammond, jr. Mine-dropping apparatus. 1,686,884; Oct. 9.
- Trent, Harley H., Bozeman, Mont. Folding handle for frying pans and the like. 1,695,724; Dec. 18.
- Trent Process Corporation. (See Trent, Walter E., assignor.)
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Preventing mine explosions. Re1,691,4; Mar. 20.
- Trent, Walter E., Washington, D. C., assignor to Trent Process Corporation, New York, N. Y. Distilling apparatus for carbonaceous fuel. 1,668,131; May 1.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Carbonizing process. 1,668,132; May 1.
- Trent, Walter E., Washington, D. C., assignor to Trent Process Corporation, New York, N. Y. Continuously distilling carbonaceous fuel. 1,675,315; June 26.
- Trent, Walter E., assignor to Trent Process Corporation, New York, N. Y. Producing a fuel from pulverized coal. 1,693,356; Nov. 27.
- Trenton Auto Radiator Works, Inc. (See Kramer, Nathan and I. L., assignors.)
- Trenwith, William T., Evanston, assignor of one-half to W. B. Engelhardt, Chicago, Ill. Clock-controlled electric circuit. 1,673,380; June 12.
- Trepanier, Ivan, Waterbury, Conn. Combination lock. 1,662,943; Mar. 20.
- Treptow, George R., and C. E. Eklind, assignor to Camel Company, Chicago, Ill. Door operating and locking mechanism. 1,672,507; June 5.
- Treschow, Michael, Copenhagen, Denmark. Shaft coupling. 1,672,398; June 5.
- Treschow, Michael, Copenhagen, Denmark, assignor to F. L. Smith & Co., New York, N. Y. Gearing. 1,696,740; Dec. 25.
- Tresner, Raymond B., Mabton, Wash. Potato-picking belt. 1,696,509; Dec. 25.
- Tressler, Donald K., Pittsburgh, Pa., assignor to Larrowe Construction Company, Detroit, Mich. Preparation of betaine hydrochloride, etc. 1,685,758; Sept. 25.
- Tretch, William J., Philadelphia, Pa., and F. Buckingham, Franklinville, N. J., assignors to Riehle Bros. Testing Machine Co., Philadelphia, Pa. Recording apparatus for testing machines. 1,664,999; Apr. 3.
- Trethewey, Joseph R., Kimberley, British Columbia, Canada. Garment hanger. 1,668,662; May 8.
- Treuhand-Gesellschaft m. b. H. Bartmann & Co. (See Bartmann, Ludwig, assignor.)
- Trevellian, Vernon B. (See Smith, W. W., Trevellian, and Jewett.)
- Trevena, Clair, Bellevue Hill, near Sydney, New South Wales, Australia. Mop. 1,685,731; Sept. 25.
- Trevino, Diana R., Rome, Tex. Garment hanger. 1,676,936; July 10.
- Trew, James W., Baltimore, Md. Upholstering welt. 1,695,444; Dec. 18.
- Trewendt, Gert. (See Ullmann, F., and Trewendt.)
- Trewella, William, Trentham, Victoria, Australia. Tire-pressure gauge. 1,658,661; Feb. 7.
- Trewitt, James E., and P. E. Hillery, assignors to Oakland California Towel Company, Oakland, Calif. Water-softening apparatus. 1,696,369; Dec. 25.
- Treworgy, Harold E., Brunswick, Me. Klinder holder for wicks. 1,667,220; Apr. 24.
- Trey, Serge. (See Engel-Kron, G. M., and Trey.)
- Triangle Conduit Co. (See Palmer, Frederick, assignor.)
- Triangle Kapok Machine Corporation. (See Swanson, H. R., and Robinson, assignors.)
- Triangle Kapok Machine Corporation. (See Swanson, H. R., and Van Rensselaer, assignors.)
- Triangle Packaging Company. (See Muskat, Louis R., assignor.)
- Tribout, Arthur J. (See Kummermehr, C. A., and Tribout.)
- Tribune Company, The. (See Wolf, Otto R., assignor.)
- Trice Products Corporation. (See Folberth, Frederick C. and W. M., assignors.)

- Trickey, Dorothy N., Seattle, Wash. Shampooing apparatus. 1,660,107; Feb. 21.
- Trickey, John P., Evanston, and C. S. Miner, assignors to The Quaker Oats Company, Chicago, Ill. Making furfural resins. 1,665,233; Apr. 10.
- Trickey, John P., Evanston, and C. S. Miner, assignors to The Quaker Oats Company, Chicago, Ill. Making furfural resins. 1,665,234; Apr. 10.
- Trickey, John P., Evanston, and C. S. Miner, assignors to The Quaker Oats Company, Chicago, Ill. Furfural alcohol resins. 1,665,235; Apr. 10.
- Trickey, John P., Evanston, and C. S. Miner, assignors to The Quaker Oats Company, Chicago, Ill. Obtaining furane derivatives. 1,665,236; Apr. 10.
- Trickey, John P., Evanston, and C. S. Miner, assignors to The Quaker Oats Company, Chicago, Ill. Compound resinous substance and making same. 1,665,237; Apr. 10.
- Trico Products Corporation. (See Folberth, Frederick G. and W. M., assignors.)
- Trico Products Corporation. (See Folberth, F. G. and W. M., assignors.)
- Trico Products Corporation. (See McCaleb, Albert G., assignor.)
- Trico Products Corporation. (See Oishei, John R., assignor.)
- Trico Products Corporation. (See Oishei, J. R., and Horton, assignors.)
- Trico Products Corporation. (See Oishei, J. R., and Hueber, assignors.)
- Trico Products Corporation. (See Phillips, John X., jr., assignor.)
- Trico Products Corporation. (See Polk, Thomas B., assignor.)
- Trico Products Corporation. (See Skinner, Stephen G., assignor.)
- Tridico, Salvatore, Brooklyn, N. Y. Safety device for windows cleaners. 1,672,288; June 5.
- Trierer Walzwerk Aktiengesellschaft. (See Jaeger, O., and Lueht, assignors.)
- Trieschmann, Carl H., Milwaukee, Wis. Automatic bumper and body catcher. 1,655,445; Jan. 10.
- Trifelos, George, Canton, Ohio. Candy cooling and packing machine. 1,682,814; Sept. 4.
- Trigonis, George J., San Francisco, Calif. Window seat. 1,664,470; Apr. 3.
- Tri-Lock Company. (See Nagin, Harry, assignor.)
- Tri-Lock Company, The. (See Nagin, Harry, assignor.)
- Tri-Lok Company, The. (See Nagin, H., and Van Orden, assignors.)
- Trimbach, Frank C., Dayton, Ohio. Doorstop. 1,661,240; Mar. 6.
- Trimble, Charles P., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Cushion seat and the like. 1,665,119; Apr. 3.
- Trimble, Charles P., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Spring-supporting frame for beds and the like. 1,670,055; May 15.
- Trimble, Charles P., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Spring cushion and the like. 1,694,359; Dec. 4.
- Trimble, E. M., Mfg. Co. Inc. (See Baxter, William C., assignor.)
- Trimble, Ernest L., Philadelphia, Pa. Window-shade pull-cord clip. 1,686,297; Oct. 2.
- Trimble Hat Company, The. (See Busold, William, assignor.)
- Trimble, Joseph, assignor to The Burke Machinery Co., Portland, Ore. Windshield cleaner. 1,653,312; Feb. 7.
- Trimble, William O., Phalanx Station, assignor of one-third to F. Cappella and one-third to C. J. Cappella, Niles, Ohio. Car body and truck gauge. 1,667,684; Apr. 24.
- Trimmm, Walter H., Park Ridge, Ill. Electric plug connector. 1,690,759; Nov. 6.
- Trimont Manufacturing Company. (See Kenerson, Joseph E., assignor.)
- Trimpe, Emmett H., assignor to J. A. Everitt, Indianapolis, Ind. Artificial tree. 1,683,637; Sept. 11.
- Trinier, Adam W., Parry Sound, Ontario, Canada. Sectional boat. 1,661,314; Mar. 6.
- Trinity Wheel Corporation. (See Baker, Frederick W., assignor.)
- Trinkle, Frederick A., Harvey, Ill. Power plant. 1,685,791; Oct. 2.
- Trinklein, Otto, et al., trustees. (See Fisher, W. Reuen, assignor.)
- Trinks, William W., assignor to Pullclean Manufacturing Corporation, Bridgeport, Conn. Laundering machine. 1,658,909; Feb. 14.
- Trinquant, Louis G., Paris, France, assignor to The Bas-sick Manufacturing Company, Chicago, Ill. High-pressure lubricating compressor. 1,662,370; Mar. 13.
- Trinquant, Louis G., Paris, France, assignor to The Bas-sick Manufacturing Company, Chicago, Ill. Coupling device. 1,688,564; Oct. 23.
- Triple XXX Company. (See Stein, Isaac A., assignor.)
- Triplex Garment Presser, Inc. (See Melzer, Richard H., assignor.)
- Triplex Safety Glass Company of North America. (See Thielker, Henry J., assignor.)
- Tripp, Chester D., Evanston, Ill. Oil-shale-distillation apparatus. 1,658,143; Feb. 7.
- Tripp, Leon L., Albany, N. Y. Boat. Des. 76,647; Oct. 16.
- Trippe, Barker & Co. (See Barker, Lincoln, assignor.)
- Trippensee Sales and Manufacturing Company. (See Thompson, Melbourne E., assignor.)
- Tripplehorn, David R., Fort Worth, Tex. Pump for oil wells. 1,679,552; Aug. 7.
- Triska, Joseph, Omaha, Nebr. Bottle cap. 1,693,830; Dec. 4.
- Trisler, George E., assignor to The Deming Company, Salem, Ohio. Spray gun. 1,686,885; Oct. 9.
- Trist, Arthur R., London, England. Printing machine. 1,657,287; Jan. 24.
- Trist, Arthur R., London, England. Mercurial printing surface. 1,665,000; Apr. 3.
- Tritch, Alonzo, Paterson, N. J. Suspensory. 1,686,943; Oct. 9.
- Tritle, John F., Shenectady, N. Y., assignor to General Electric Company. Electric switch. 1,669,106; May 8.
- Tritz, John H., Clinton, Iowa, assignor to Cotta Transmission Corporation, Rockford, Ill. Mixing valve. 1,677,995; July 24.
- Triumph Manufacturing Company. (See Glosch, Frederick P., assignor.)
- Triumph Manufacturing Company, The. (See Ward, Paul S., assignor.)
- Triumph-Werke A.-G. (See Kupfer, Carl, assignor.)
- Trivelli, Adriaan P. H., assignor to Eastman Kodak Company, Rochester, N. Y. Optical instrument. 1,690,602; Nov. 6.
- Trivillian, Louis, South Charleston, W. Va. Railway-rail brace. 1,673,720; June 12.
- Troeger, Ernest A., New York, N. Y., assignor, by mesne assignments, to Trans-Lux Daylight Picture Screen Corporation. Translucent screen for projection machines. 1,672,631; June 5.
- Trofimoff, Iwan, Moscow, Russia. One-line brake. 1,675,962; July 3.
- Tröger, Richard, Berlin-Zehlendorf, Germany, assignor, by mesne assignments, to Bailey Meter Company. Safety device for elastic-fluid generators. 1,674,458; June 19.
- Trogner, Arthur M., Takoma Park, Md., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric-crystal apparatus. 1,692,063; Nov. 20.
- Trogner, Arthur M., Takoma Park, Md., assignor to Wired Radio, Inc., New York, N. Y. Radio receiving apparatus. 1,692,064; Nov. 20.
- Trogner, Arthur M., Takoma, Md., and T. M. Davis, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Shielded telephone plug. 1,696,657; Dec. 25.
- Troha, Joseph W., Cleveland, Ohio. Valve-reseating tool. 1,662,445; Mar. 13.
- Troha, Joseph W., Cleveland, Ohio. Ratchet tool. 1,668,222; May 1.
- Troidl, Nellie Y., Niagara Falls, N. Y. Educational appliance. 1,694,405; Dec. 11.
- Trojel, Arthur E., Berkeley, Calif. Protective armor. 1,676,170; July 3.
- Trojan Powder Company. (See Snelling, W. O., and Rupp, assignors.)
- Trojani, Pietro, and C. D'Ascanio, Rome, Italy. Electro-mechanical recording and controlling machine. 1,694,631; Dec. 11.
- Troll, Frederick J., Baltimore, Md., assignor to The Load-meter Company. Load-measuring device. 1,689,644; Oct. 30.
- Troland, Leonard T., Malden, and J. A. Ball, Wollaston, assignors, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Registering and cementing cinematographic films. 1,677,309; July 17.
- Troland, Leonard T., Malden, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Cinematographic apparatus. 1,677,310; July 17.
- Trolander, Elmer W. (See Miner, C. S., and Trolander.)
- Trommanhauser, Harry W., Waterloo, Iowa. Safety lighting device for vehicles. 1,691,684; Nov. 13.
- Trombetta, Panfilo, Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 1,696,615; Dec. 25.
- Tropic-Aire, Incorporated. (See Caesar, Orville S., assignor.)
- Tromblay, William E., Fulton, N. Y. Expandible mandrel. 1,668,990; May 8.
- Tronick, Joseph J., Stanley, Wis. Tourist tool trunk. 1,669,399; May 8.
- Tronolone, Dominic. (See Kelley, W. V. D., and Tronolone.)
- Tronzo, Ernest S., Akron, Ohio. Gas valve. 1,663,426; Mar. 20.
- Troop, George W., Geneva, Ohio. Belt buckle. 1,680,488; Aug. 14.
- Troop, Harry D. (See Bacon, F., and Troop.)
- Tropenas Company. (See Broche, Léon J., assignor.)
- Tropic-Aire, Incorporated. (See Caesar, Orville S., assignor.)
- Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Cross-rail-clamping mechanism for machine tools. 1,666,431; Apr. 17.
- Trosch, Alfred, assignor to Consolidated Machine Tool Corporation of America, Rochester, N. Y. Rail clamp. 1,685,468; Sept. 25.
- Troski, Peter, Arista, W. V. Rail connector. 1,658,469; Feb. 7.

- Trost, Henry C., El Paso, Tex. Valet-service wardrobe for hotel doors. 1,674,534; June 19.
- Trostel, Albert O. (See Manns, Albert G., assignor.)
- Troth, Clement A., assignor to Marine Equipment & Supply Company, Philadelphia, Pa. Propeller-shaft strut. 1,679,388; Aug. 7.
- Trotman, Edward W., Wolverhampton, England. Out-board-motor installation. 1,671,387; May 29.
- Trott, Frank, assignor to H. V. Trott, Harvey, Ill. Weighing scale. 1,661,241; Mar. 6.
- Trott, Harriett V. (See Trott, Frank, assignor.)
- Trott, Harvey B., McKeesport, Pa. Belt shifter and the like. 1,669,792; May 15.
- Trotter, Arthur H., Syracuse, N. Y. Container for plastic material. 1,690,654; Nov. 6.
- Trotter, Clarence E., and F. J. Couch, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Condensation exhauster for ironing machines and the like. 1,689,462; Oct. 30.
- Trottier, Emile N., North Adams, Mass. Gas-stove valve-locking device. 1,659,843; Feb. 21.
- Troup, Charles, Watseka, Ill. Rail joint. 1,658,818; Feb. 14.
- Trout, Jesse E., Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Machine for feeding and shaping articles. 1,655,684; Jan. 10.
- Trout, Harry W., assignor to Cotswold Comfortable Company, Syracuse, N. Y. Cotton-treating apparatus. 1,667,177; Apr. 24.
- Trout, James R., Marietta, Ohio. Tool box for automobiles. 1,659,929; Feb. 21.
- Trout, Oliver C. (See Shipley, M. R., and Trout.)
- Trout, Oliver C., assignor, by mesne assignments, to Los Angeles Manufacturing Company, Inc., Los Angeles, Calif. Stovepipe-casing coupling. 1,690,562; Nov. 6.
- Trout, Walter C., Lufkin, Tex. Gripping device for rotaries. 1,656,456; Jan. 17.
- Trout, William A., et al. (See Hazlett, Walter H., assignor.)
- Trout, William A. (See Shipley, M. R., and Trout.)
- Troutman, Edward A., Cimarron, N. Mex. Shipping crate. 1,673,168; June 12.
- Troutman, William E. (See Slocum, Frank L., and Troutman.)
- Troutman, William E., assignor to Duquesne Steel Foundry Company, Pittsburgh, Pa. Annealing box. 1,678,452; July 24.
- Trouvalls, John C., Portland, Me. Slicing machine. 1,687,809; Oct. 16.
- Trouwborst, Pieter C., P. J. T. Arts, Rotterdam, and W. H. A. E. Schuurman, The Hague, Netherlands. Ship's hatch. 1,656,089; Jan. 10.
- Trow, Charles A. (See Corey, W. G., and Trow.)
- Trowbridge, Frank C. (See Darby, James K., assignor.)
- Trowbridge, Miles L. (See Brogden, E. M., and Trowbridge.)
- Troxler, Bernhart, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparing progressive-burning smokeless powder. 1,661,278; Mar. 6.
- Troy Laundry Machinery Company. (See Balzer, Fritz, assignor.)
- Troy Laundry Machinery Company. (See Waggett, Thomas A., assignor.)
- Troy, Max, Brooklyn, N. Y. Extractor for laundries. 1,671,913; May 29.
- Troy Sunshade Company, The. (See Dillingham, Frederick A., assignor.)
- Troyer, Lloyd E., Hudson, Ill. Cultivator blade. 1,654,765; Jan. 3.
- Troyer, Nelson, and M. L. Dodge, Seattle, Wash. Drying machine. 1,662,371; Mar. 13.
- Truax, Charles C., Columbus, Ohio. Separator for corn-cobs and the like. 1,685,732; Sept. 25.
- Trudo, Eugene F., Weston, Mass. Metal chair. 1,694,293; Dec. 4.
- True, Edwin S., Oak Park, Ill. Electrical condenser. 1,676,417; July 10.
- True, Lionel, Springville, N. Y. Apparatus for mixing dry and liquid materials. 1,691,535; Nov. 13.
- True, Thomas A., Declo, Idaho. Seed-potato cutter. 1,695,905; Dec. 18.
- Trueb, Rudolph O., Murray Hill, N. J. Curtain. 1,685,252; Sept. 25.
- Truelove, Charles, and W. T. Haight, Charleston, W. Va., assignors to The Libby-Owens Sheet Glass Company, Toledo, Ohio. Bending roller for drawn sheet glass. 1,655,924; Jan. 10.
- Truesdale, Reginald. (See Penfold, A. E., Truesdale, and Smith.)
- Truesdell, John G., and W. J. O'Connell, Colorado Springs, Colo. Windshield cleaner. 1,695,163; Dec. 11.
- True-Tile Corporation. (See Warfield, John R., assignor.)
- Trufant, Russell A., Middleboro, Mass. Barricade. 1,677,693; July 17.
- Trulock, George, Los Angeles, Calif. Lid holder for containers. 1,685,560; Sept. 25.
- Trumble, Milon J., Alhambra, Calif. Refinery power plant. 1,658,910; Feb. 14.
- Trumble, Milon J., Los Angeles, Calif. Combined distilling and cracking process and apparatus therefor. 1,659,930; Feb. 21.
- Trumble, Milon J., Alhambra, Calif. Producing power. 1,667,403; Apr. 24.
- Trumble, Milon J., Los Angeles, Calif. Distilling solid carbonaceous material. 1,674,420; June 19.
- Trumble, Milon J., Los Angeles, Calif. Recovering light hydrocarbons from carbonaceous material. 1,676,675; July 10.
- Trumble, Milon J., Alhambra, Calif. Cracking hydrocarbons. 1,696,658; Dec. 25.
- Trumbo, Stacy D., Columbus, Ohio. Electrical roach trap. 1,666,723; Apr. 17.
- Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Hebden, George R., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)
- Trumbull, Harlan L., Hudson, Ohio, and J. B. Dickson, Northampton, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Dispersion of rubber into a colloidal substance. 1,668,879; May 8.
- Trump, Edward H., Merton Park, London, England, assignors to Radio Corporation of America. Electrical condenser. 1,665,616; Apr. 10.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,665,866; Apr. 10.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. 1,671,497; May 29.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,675,393; July 3.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,678,887; July 31.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,678,888; July 31.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Flexible coupling. 1,682,444; Aug. 28.
- Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission. 1,684,162; Sept. 11.
- Trumpler, William E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Reduction gear. 1,671,496; May 29.
- Truscon Steel Company. (See Briody, Bernard, assignor.)
- Truscon Steel Company. (See Hewetson, Harold F., assignor.)
- Truscon Steel Company. (See Kahn, Julius, assignor.)
- Truscon Steel Company. (See Kane, Thomas H., assignor.)
- Truscon Steel Company. (See Schulz, Walter F., assignor.)
- Truscon Steel Company. (See White, Herbert E., assignor.)
- Truscott, Starr. (See Jacobsohn, I. M., and Truscott.)
- Trusler, Ralf B., Dormont, Pittsburgh, Pa., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacture of acyl amines. 1,656,252; Jan. 17.
- Trusogram Corporation. (See Bergman, Arthur, assignor.)
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Cover for loose-leaf books. 1,669,432; May 15.
- Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
- Trustees of the Electro Thermostatic Control Company. (See Sauvage, Herbert J., assignor.)
- Trustees of Purdue University, The. (See Hoffman, Ira C., assignor.)
- Trustees of the Electro Thermostatic Control Company. (See Sauvage, Herbert J., assignor.)
- Truxal, James R., Greensburg, Pa. Highway marker. 1,661,242; Mar. 6.
- Tryco Products, Inc. (See Holmes, Franklin T., assignor.)
- Tryco Products, Inc. (See Holmes, Frederick M., assignor.)
- Tryon, Frederick D., New York, N. Y. Adjustable back rest for baby carriages. 1,663,149; Mar. 20.
- Tschantz, W. H., & Sons Co., The. (See Tschantz, William H., assignor.)
- Tschantz, William H., assignor to The W. H. Tschantz & Sons Co., Canton, Ohio. Meat grinder. 1,675,067; June 26.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Molding machine. 1,664,139; Mar. 27.
- Tschida, Adolph J. and T. T., St. Paul, Minn. Cable-support bracket. 1,661,398; Mar. 6.
- Tschida, Theodore T. (See Tschida, Adolph J. and T. T.)
- Tschochner, Karl, and E. Kahlbaupt, Schreckenstein, near Aussig-on-the-Elbe, Czechoslovakia. Vehicle tire. 1,669,883; May 15.
- Tschudy, William, Yonkers, N. Y. Vapor rectifier. 1,666,516; Apr. 17.
- Tua, Marius. (See Pedrazzo, E., and Tua.)
- Tubal Boiler Company. (See White, Raymond E., assignor.)
- Tubbs, Earl D., New York, N. Y. Wreath form. 1,696,221; Dec. 25.
- Tubbs, Ira I., Superior, assignor of one-half to G. F. Miller, Menomonie, Wis. Inflated ball. 1,664,336; Mar. 27.
- Tubular Products Company, The. (See Bradnack, John H., assignor.)

- Tubular Products Company, The. (See Lewis, Ernest C., assignor.)
- Tubular Rivet & Stud Company. (See Bray, Mellen N., assignor.)
- Tubular Rivet & Stud Co. (See Brown, George W., assignor.)
- Tubular Woven Fabric Company. (See Bryant, Henry E., assignor.)
- Tuck, Edward G. (See Bryant, A. H., and Tuck.)
- Tuck, George A., San Francisco, Calif. Automatic flue control for furnaces. 1,693,769; Dec. 4.
- Tucker, Alice M., East Orange, N. J. Shoe. 1,675,774; July 3.
- Tucker, Andrew, Fairfield, Conn. Wall-bracket lighting fixture. Des. 75,881; July 24.
- Tucker Brothers Manufacturing Company. (See Tucker, Jesse D., assignor.)
- Tucker Brothers Manufacturing Company. (See Tucker, J. D., and Oldham, assignor.)
- Tucker, Burke V., Nacogdoches, Tex. Bottom delivery body for vehicles. 1,686,776; Oct. 9.
- Tucker, Carl L., assignor of one-half to W. R. Lake, Denver, Colo. Mechanism for making side-seam envelopes. 1,685,469; Sept. 25.
- Tucker, Curtis A. (See MacNeil, J. B., Bakken, and Tucker.)
- Tucker, Douglas S. (See Swartz, A. H., and Tucker.)
- Tucker, Edgar M., South Pasadena, assignor to The Parafine Companies, Inc., San Francisco, Calif. Flashing structure. 1,694,521; Dec. 11.
- Tucker, Emmitt M. (See Tucker, Jesse D. and E. M.)
- Tucker, Ernest L. (See Buchanan, G. H., Winner, and Tucker.)
- Tucker, Floyd C. (See Tucker, Seth L. and F. C.)
- Tucker, J. H., & Company Limited. (See Gaffney, John E., assignor.)
- Tucker, J. H., & Company, Limited. (See McElroy, Frank, assignor.)
- Tucker, Jesse D., assignor to Tucker Brothers Manufacturing Company, Sacramento, Calif. Swimming circle. 1,664,140; Mar. 27.
- Tucker, Jesse D., Sacramento, and F. C. Oldham, Yuba City; said Tucker assignor to Tucker Brothers Manufacturing Company, Sacramento, Calif. Tree-supporting yoke. 1,682,445; Aug. 28.
- Tucker, Jesse D. and E. M., Sacramento, Calif. Shim drift. 1,684,526; Sept. 18.
- Tucker, John B., Birmingham, England. Electric switch. 1,673,893; June 19.
- Tucker, Joseph E., Long Beach, Calif. Drag-handle catch. 1,696,461; Dec. 25.
- Tucker, Morton, Philadelphia, Pa. Dustproof hinge. 1,683,272; Sept. 4.
- Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Timing mechanism for glass-feeding apparatus. 1,654,710; Jan. 3.
- Tucker, Ralph H., Los Angeles, Calif. Pneumatic hammer. 1,665,046; Apr. 3.
- Tucker, Ralph H., Los Angeles, Calif. Exhaust sleeve for deep-well air pumps. 1,696,065; Dec. 18.
- Tucker, Seth L. and F. C., Hornell, N. Y. Automobile headlight and control mechanism. 1,681,448; Aug. 21.
- Tucker, Seth L. and F. C., Hornell, N. Y. Automobile headlight-operating mechanism. 1,692,100; Nov. 20.
- Tuckett, Frederick S., London, England. Load-weighing means for lifts, cranes, hoists, and the like lifting apparatus. 1,674,380; June 19.
- Tuco Products Company, The. (See Chamberlain, Harold B., assignor.)
- Tueckmantel, Hugo, assignor to The T. & L. Co., Inc., Newark, N. J. Bag partition. 1,681,269; Aug. 21.
- Tuffey, George E., Syracuse, N. Y., assignor to Deere & Company, Moline, Ill. Oil burner for furnaces. 1,685,108; Sept. 25.
- Tufte, Martines A., Riceland Township, Freeborn County, Minn. Clothesline reel. 1,674,877; June 26.
- Tufts, John L., Westboro, Mass. Treatment of fibers. 1,672,289; June 5.
- Tufts, Lesley R. (See Olson, A., and Tufts.)
- Tufts, Lesley R., East Cleveland, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Folding machine. 1,682,446; Aug. 28.
- Tugendhat, Robert G., assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Baking apparatus. 1,684,751; Sept. 18.
- Tulip Container Corporation. (See Reifsnyder, James D., assignor.)
- Tull, Ivan M., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,662,176; Mar. 13.
- Tullar, William E., Chicago, Ill. Clutch. 1,681,714; Aug. 21.
- Tullis, John T., Dallas, Tex., assignor of one-half to J. A. Plotner, El Dorado, Ark. Crossing signal. 1,675,997; July 3.
- Tullis, Ross L., New Haven, Conn. Cellulose bird cage. 1,662,687; Mar. 13.
- Tulloch, David M., New York, N. Y. Electric switch device. 1,673,607; June 12.
- Tully, Francis W., Brookline, Mass. Collar and cuff. 1,668,745; May 8.
- Tully, George L., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,660,587; Feb. 28.
- Tully, George L., and S. Lacasse, assignors to American Optical Company, Southbridge, Mass. Goggles. 1,679,105; July 31.
- Tully, Edward E., Birkenhead, and W. Lovis, London, England. Propelling device for ships. 1,666,517; Apr. 17.
- Tully, Francis W., Brookline, Mass. Apparel. 1,668,744; May 8.
- Tulsa Valve Company. (See Shaffer, J. C., and Mankin, assignors.)
- Tumey, Charles H., sr., San Antonio, Tex. Headlight lens. 1,678,408; July 24.
- Tuñez, Amable S., Easton, assignor of one-fourth to M. Levin, Philadelphia, Pa., one-fourth to H. Gordon, Beverly, N. J., one-fourth to C. Riser, Philadelphia, Pa., and one-fourth to himself. Mounting windows. 1,690,385; Nov. 6.
- Tuñez, Amable S., Easton, assignor of one-fourth to M. Levin, Philadelphia, Pa., one-fourth to H. Gordon, Beverly, N. J., one-fourth to C. Riser, Philadelphia, Pa., and one-fourth to himself. Window. 1,690,386; Nov. 6.
- Tung-Sol Lamp Works. (See Bohner, Clyde C., assignor.)
- Tunison, Burnell R., Elizabeth, N. J. Ore concentration. 1,677,416; July 17.
- Tunison, Harold L. (See Stringham, J. H., Greene, and Swenarton, assignors.)
- Tunnell, Herbert R., Butte, Mont. Rotary drill bit. 1,683,502; Sept. 4.
- Tunstall, William B., Worcester, assignor to E. E. Conway, Boston, Mass., C. C. Conway, Scarborough, N. Y., and T. P. Brown, Worcester, Mass., trustees. Player grand piano. 1,682,869; Sept. 4.
- Tuomi, Uno E., Dallas, Tex. Combination tool. 1,663,821; Mar. 27.
- Tupper, Frank H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making ventilating strips for transformers. Re17,048; July 24.
- Tupper, Russell E., Salem, Mass. Cushion tie plate. 1,659,844; Feb. 21.
- Turan, Louis, Brooklyn, N. Y. Container. 1,665,238; Apr. 10.
- Turati, Ambrogio, Turin, Italy. Machine for spinning cotton and other textile materials. 1,692,357; Nov. 20.
- Turbine Patents Corporation. (See Klimek, Gustav A., assignor.)
- Turbis, Tony, New Kensington, Pa. Joint for coal-mining drills. 1,687,909; Oct. 16.
- Turcott, David, assignor to Yates-American Machine Company, Beloit, Wis. Automatic turning machine. 1,696,425; Dec. 25.
- Turcotte, Louis J., Montreal, Quebec, Canada. Window construction. 1,696,130; Dec. 18.
- Turenne, Wilfred J., Danvers, Mass. Electric cut-out and fuse. 1,656,800; Jan. 17.
- Turk, Heinrich, Lutherville, assignor to The Porcelain Enamel & Manufacturing Co., Baltimore, Md. Table. 1,689,645; Oct. 30.
- Turk, William, Minden, Iowa. Match case and igniting device. 1,681,270; Aug. 21.
- Turkhud, Basil A. (See Scruby, S. V. C., Turkhud, and de Fremery.)
- Turkington, Victor H., Evanston, Ill., assignor to Bakelite Corporation, New York, N. Y. Continuous preparation of phenolic resins. 1,660,403; Feb. 28.
- Turkington, Victor H., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Resinous composition and making same. 1,677,417; July 17.
- Turkington, Victor H., Caldwell, N. J., assignor to Bakelite Corporation, New York, N. Y. Phenolic resin composition. 1,695,566; Dec. 18.
- Turley, Thomas B., W. H. Ross, and A. R. Merz, Washington, D. C., assignors to the Government and the People of the United States of America. Spraying device. 1,670,831; May 22.
- Turnbull, William, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Ice grouser shoe. 1,693,831; Dec. 4.
- Turner, Albert. (See Heald, J. N., Turner, and Kimmel.)
- Turner, Albert, Shrewsbury, Mass., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Roll-grinding machine. 1,668,746; May 8.
- Turner, Archibald J., assignor to Wilson-Western Sporting Goods Co., Chicago, Ill. Inflatable ball. 1,667,088; Apr. 24.
- Turner, Archibald J., assignor to Wilson-Western Sporting Goods Company, Chicago, Ill. Inflatable ball. 1,669,221; May 8.
- Turner, Charles H., Statesville, N. C. Sawmill. 1,665,001; Apr. 3.
- Turner, Charles H., Statesville, N. C. Attachment for tractors. 1,682,313; Aug. 28.
- Turner, Charles L., Santa Monica, Calif. Machine for placing string caps on milk bottles. 1,659,177; Feb. 14.
- Turner, Charles P., Mishawaka, Ind. Boat-propelling device. 1,695,304; Dec. 18.
- Turner, Clark D., Fort Morgan, assignor to Turner Manufacturing Co., Denver, Colo. Road illumination. 1,675,236; June 26.
- Turner, Claude A., Sherbrook, Quebec, Canada. Rope or cord. 1,690,846; Nov. 6.
- Turner, Clyde J., et al. (See Peterson, John A., assignor.)
- Turner, Edward T., Dayton, Ohio. Water-softening apparatus. 1,694,804; Dec. 11.

- Turner, Edwin A. (See Lower, N. M., and Turner.)
 Turner, Edwin A. (See Miller, C. F., and Turner.)
 Turner, Edwin A., and A. R. Chalker, Pittsburgh, Pa., assignors to Locomotive Stoker Company. Locomotive stoker. 1,671,331; May 29.
 Turner, Eldon A., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Machine for cleaning and blending stock. 1,657,980; Jan. 31.
 Turner, Emzy T., Stroud, Okla. Machine for facilitating the removal of tires from rims. 1,656,964; Jan. 24.
 Turner, Ernest J., Pittsburgh, Pa. Hot top. 1,666,759; Apr. 17.
 Turner, Ernest J., Pittsburgh, Pa. Supporting means for hot tops. 1,672,662; June 5.
 Turner, Ernest J., Pittsburgh, Pa. Supporting means for hot tops. 1,672,663; June 5.
 Turner, Erven R., assignor to C. B. Grant, Memphis, Tenn. Multiple lock. 1,676,623; July 10.
 Turner, Forrest A., Anson, Tex. Pressed-metal wheel. 1,659,338; Feb. 14.
 Turner, Fred D. (See Drees, Frank A., assignor.)
 Turner, George A., assignor to H. & M. Patents Limited, Leeds, England. Means or apparatus for supplying liquid disinfectants to the water contained in tanks used for water-closets and other like flushing purposes. 1,688,098; Oct. 16.
 Turner, George F., Mahoningtown, Pa. Air-compression-cylinder lubricator. 1,676,586; July 10.
 Turner, George S., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fluid-pressure-actuating device. 1,671,498; May 29.
 Turner, Giles M., Milwaukee, Wis. Pedestal. 1,673,721; June 12.
 Turner Glass Company. (See Edwards, Wilson D., assignor.)
 Turner, Griffin P., and H. U. Huff, Chattanooga, Tenn. Booster plate for automobile radiator ornament or similar articles. Des. 76,364; Sept. 18.
 Turner, Guilford S. (See Vissering, H., and Turner.)
 Turner, Howard B., assignor of one-half to J. O. Greene, Mount Sterling, Ky. Decorative belt. 1,683,427; Sept. 4.
 Turner, Ivan, London, England. Rotary engine and the like. 1,665,994; Apr. 10.
 Turner, Jacob, assignor to Turner Manufacturing Company, Chicago, Ill. Mirror frame. Des. 77,135; Dec. 4.
 Turner, Jacob, assignor to Turner Manufacturing Company, Chicago, Ill. Mirror frame. Des. 77,337; Dec. 25.
 Turner, James C., Lincoln, Nebr. Automotor. 1,672,399; June 5.
 Turner, James F., assignor to Flynn & Emrich Company, Baltimore, Md. Foundry sand mixer. 1,673,927; June 19.
 Turner, James R., Jersey City, N. J. Fish-smoking apparatus. 1,667,573; Apr. 24.
 Turner, James R., Jersey City, N. J. Smoking fish fillets. 1,667,574; Apr. 24.
 Turner, James T., Atlanta, Ga. Trimming machine for pastry. 1,672,550; June 5.
 Turner, James T., Atlanta, Ga. Machine for baking pastry. 1,672,551; June 5.
 Turner, John D., Birmingham, Ala. Switch bar. 1,689,699; Oct. 30.
 Turner, Joseph O., Winston-Salem, N. C., assignor to Mengel Company, Louisville, Ky. Fastener for crates. 1,692,596; Nov. 20.
 Turner Manufacturing Co. (See Turner, Clark D., assignor.)
 Turner Manufacturing Company. (See Turner, Jacob, assignor.)
 Turner, Orrey A., San Jacinto, Calif. Irrigating valve. 1,674,074; June 19.
 Turner, Orval M., and J. J. Stephens, Long Beach, Calif. Standing-valve lifter. 1,692,005; Nov. 20.
 Turner, Perry W., Ada, Ohio. Protecting metal, wood, and other substances. 1,689,567; Oct. 30.
 Turner, Ralph C., assignor to American Cone & Pretzel Company, Philadelphia, Pa. Ice-cream cone. Des. 74,812; Mar. 27.
 Turner, Richard G. (See Payne, O. V., and Turner.)
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector mounted on regularly-moving transferers. 1,662,219; Mar. 13.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom to transfer on on backward stroke of the lay. 1,664,005; Mar. 27.
 Turner, Richard G., assignor to The Crompton & Knowles Loom Works, Worcester, Mass. Feeler movable to distribute wear on yarn. 1,664,006; Mar. 27.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector in transfer arm. 1,664,007; Mar. 27.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector in regularly-moving transferer. 1,683,214; Sept. 4.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical feeler in loom transfer arm. 1,689,700; Oct. 30.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electrical warp stop motion. 1,689,701; Oct. 30.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector in regularly-moving transferer. 1,691,141; Nov. 13.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Resilient support for bobbins. 1,692,967; Nov. 27.
 Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Feeler in transferer arm. 1,695,397; Dec. 18.
 Turner, Robert. (See Lindsey, George C., assignor.)
 Turner, Robert C., Birmingham, England. Endless-band grinding and polishing machine. 1,670,943; May 22.
 Turner Rotary Plows. (See Turner, William, assignor.)
 Turner, Samuel E., assignor to Panhandle Refining Company, Wichita Falls, Tex. Release valve. 1,674,933; June 26.
 Turner Tanning Machinery Company, The. See Böttger, Oskar, assignor.)
 Turner Tanning Machinery Company, The. (See Brophy, J. J., and Broughton, assignors.)
 Turner Tanning Machinery Company, The. (See Koeniger, Karl W., assignor.)
 Turner Tanning Machinery Company, The. (See Ramsdell, Lyndon O., assignor.)
 Turner Tanning Machinery Company, The. (See Schettler, G. A., and Böttger, assignors.)
 Turner Tanning Machinery Company. (See Schettler, Gustav A., assignor.)
 Turner & Vandam. (See Vandam, Albert H., assignor.)
 Turner, Vernon, and A. H. Lomax, Lower Broughton, Manchester, England. Sewing machine. 1,661,023; Feb. 28.
 Turner, William, Louisville, Ky. Combined mop and wringer. 1,683,638; Sept. 11.
 Turner, William, assignor to Turner Rotary Plows, Chicago, Ill. Rotary plow. 1,659,674; Feb. 21.
 Turner, William P., Oakland, Iowa. Hog waterer. 1,674,811; June 26.
 Turney Processes, Inc. (See Cosler, Arthur S., assignor.)
 Turnidge, Archibald L. (See Turnidge, William O. and A. L.)
 Turnidge, William O. and A. L., Weiser, Idaho. Automatic leveling carriage frame. 1,672,588; June 5.
 Turnley, William M., Toronto, Ontario, Canada. Dry battery. 1,688,565; Oct. 23.
 Turnquist Carl E., San Gabriel, Calif., assignor of one-half to U. G. Orendorff, Canton, Ill. Combined calendar calculator and chart. 1,657,872; Jan. 31.
 Turnquist, Edward, Anderson, Ind., assignor to Delco-Remy Corporation, Dayton, Ohio. Electric lamp. 1,684,292; Sept. 11.
 Turrentine, Paul W., Mount Dora, Fla. Shipping tag. 1,668,704; May 8.
 Tursky, Charles M. (See Whaley, W. B. S., Muller, and Tursky.)
 Turturro, Nicola, New York, N. Y. Guitar or similar article. Des. 74,766; Mar. 20.
 Turvene, John C., Dayton, Ohio. Valve-operating mechanism and the like. 1,696,370; Dec. 25.
 Tuthill, F. D., Company. (See Tuthill, Frank D., assignor.)
 Tuthill, Frank D., assignor to F. D. Tuthill Company, Inc., Reno, Nev. Camp house. 1,656,545; Jan. 17.
 Tuthill, James B. (See Wilsey, Irven H., assignor.)
 Tutin, John, Sunderland, England. Steering and propelling ships. 1,670,997; May 22.
 Tutsch, Rudolf, Berlin, Germany. Cover plate for cable channels and the like. 1,689,646; Oct. 30.
 Tutt, Leo H., and E. C. Clark, Topeka, Kans. Lamp stand. Des. 77,046; Nov. 27.
 Tuttle, Arthur S., Sherbourne, N. Y. Radio battery-charging cabinet. 1,675,626; July 3.
 Tuttle & Bailey Manufacturing Company. (See Petrelli, Joseph V., assignor.)
 Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,695,069; Dec. 11.
 Tuttle, George H., assignor to The Packard Electric Company, Warren, Ohio. Tap changer. 1,678,129; July 24.
 Tuttle, George H., assignor to The Packard Electric Company, Warren, Ohio. Tap changer. 1,684,650; Sept. 18.
 Tuttle, Grover G., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for percussive tools. 1,656,546; Jan. 17.
 Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate valve. 1,669,361; May 8.
 Tuttle, Henry A., Upton, Mass. Reversing gearing. 1,668,991; May 8.
 Tuttle, Henry A., Upton, Mass. Brake mechanism. 1,692,006; Nov. 20.
 Tuttle, Henry A., Upton, Mass. Reversing mechanism. 1,694,294; Dec. 4.
 Tuttle, Henry A., Upton, Mass. Reversing mechanism. 1,694,295; Dec. 4.
 Tuttle, Julius O. and R. C. Sioux City, Iowa. Drummer's game. 1,665,516; Apr. 10.
 Tuttle, Julius O. and R. C., Sioux City, Iowa. War game. 1,666,953; Apr. 24.
 Tuttle, Roy C. (See Tuttle, Julius O. and R. C.)
 Tuttle Silver Company. (See Dolan, Bernard A., assignor.)
 Tutzschke, Fritz, Leipzig-Schönefeld, Germany. Etching printing plates and composition of matter for use in connection therewith. 1,660,366; Feb. 28.
 Tweed, Robert R., Audubon, N. J. Horseshoe. 1,673,650; June 12.

- Tweedie, Charles, Jefferson City, Mo. Overgaiter. 1,684,812; Sept. 18.
 Tweedy, John N., West Frankfort, Ill. Mine-car coupler. 1,660,636; Feb. 28.
 Twichell, Wallace B. (See Twichell, Walter E., and W. B.)
 Twichell, Walter E., San Francisco, and W. B. Twichell, St. Helena, Calif. Dispensing device. 1,691,171; Nov. 13.
 Twin City Forge & Foundry Company. (See Ovestrud, Melvin, assignor.)
 Twin City Separator Co. (See Gray, Carl C., assignor.)
 Twin Disc Clutch Company. (See Pearmain, William J., assignor.)
 Twinberrow, James D. (See Sheffield, G. H., and Twinberrow.)
 Twitchell-Champlin Company, The. (See Libby, Francis O., assignor.)
 Twombly, John I., assignor to Universal Optical Corporation, Providence, R. I. Bridge member for an ophthalmic mounting. Des. 76,722; Oct. 23.
 Twombly, Willard I., New York, N. Y., assignor, by mesne assignments, to The Wilcolater Company, Newark, N. J. Control mechanism. 1,690,847; Nov. 6.
 Two-Tone Corporation, The. (See Mijer, Pieter, assignor.)
 Twyman, B. Wickliffe, Marysville, Mich. Lifting jack. 1,664,579; Apr. 3.
 Tyberg, Oluf, Point Loma, Calif. Power typewriter. 1,672,354; June 5.
 Tydemann, Clarence W., Denver, Colo. Constant-capacity automatic clutch. 1,664,954; Apr. 3.
 Tyden, Emil, Evanston, Ill. Accelerator for dry-pipe sprinkler systems. 1,662,256; Mar. 13.
 Tyden, Emil, Evanston, Ill. Dry-pipe-valve accelerator. 1,662,839; Mar. 20.
 Tyden, Emil, Evanston, Ill. Valve for fire-extinguishing sprinkler systems. 1,664,648; Apr. 3.
 Tyden, Emil, Evanston, Ill. Exhaust connection for dry-pipe sprinkler systems. 1,669,433; May 15.
 Tyden, Emil, Evanston, Ill. Valve construction. 1,683,002; Sept. 4.
 Tyden, Emil, Evanston, Ill. Dry pipe sprinkler-system accelerator. 1,689,980; Oct. 30.
 Tyler, Harvey E., Chicago, Ill. Muffler. 1,685,302; Sept. 25.
 Tyler, John. (See Higgins, Clifford B. and H. A., and Tyler.)
 Tyler Manufacturing Company, The. (See Sowers, James L., assignor.)
 Tyler, Oliver P., Worcester, Mass. Dishwashing machine. 1,671,557; May 29.
 Tyler, Ralph S., Cleveland, Ohio, assignor to The Chandler and Price Company. Inking mechanism for printing presses. 1,655,077; Jan. 3.
 Tyler, Roy D., St. Paul, assignor to G. H. Tennant Company, Minneapolis, Minn. Bottle crate. 1,691,617; Nov. 13.
 Tyler, Victor M., assignor to The Sentinel Mfg. Co., New Haven, Conn. Time-controlled gas-burning apparatus. 1,678,130; July 24.
 Tyler, W. S., Company, The. (See Disbro, Roger W., assignor.)
 Tyler, W. S., Company, The. (See Farch, Mogens, assignor.)
 Tyler, W. S., Company, The. (See Griffith, T. E., and Doods, assignors.)
 Tyler, W. S., Company, The. (See Helman, August E., assignor.)
 Tyndall, Jessie C., St. Louis, Mo. Automobile radiator cap. Des. 76,167; Aug. 21.
 Typographic Machines Company, The. (See Poeppelmeier, Frank H., assignor.)
 Tyson, Frank, Canton, Ohio. Roller bearing. 1,672,012; June 5.
 Tyson, William J., New York, N. Y. Burglar-alarm lock. 1,659,502; Feb. 14.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling sheets. Re-16,884; Feb. 21.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling metal strip. 1,664,580; Apr. 3.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal rolling. 1,683,001; Sept. 4.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling sheet metal. 1,683,003; Sept. 4.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Plate mill and process of rolling hot metal. 1,688,252; Oct. 16.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal rolling. 1,689,463; Oct. 30.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Annealing process. 1,693,800; Dec. 4.
 Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Continuous furnace. 1,696,822; Dec. 25.
 Tyndall, Jessie C., St. Louis, Mo. Toy balloon. Des. 77,271; Dec. 18.
 U. G. I. Contracting Company. (See Fulweiler, Walter H., assignor.)
 U. G. I. Contracting Company. (See Haug, John S., assignor.)
 U. G. I. Contracting Company. (See Taussig, John H., assignor.)
 U S L Battery Corporation. (See Wilbur, Samuel P., assignor.)
 Ubel, Frank A., St. Paul, Minn. Ophthalmic mounting. Des. 77,193; Dec. 11.
 Uberto, Henry, New York, N. Y. Aquatic amusement device. 1,683,058; Sept. 4.
 Udale, Stanley M., assignor to E. Holley, Detroit, Mich. Iron mold. 1,658,144; Feb. 7.
 Udylyte Process Company. (See Young, A. W., and Louth, assignors.)
 Uebelmesser, Charles, New York, N. Y. Steam generator. 1,658,819; Feb. 14.
 Uellendahl, Arthur W., Jamaica, assignor to Barthels Manufacturing Company, Glendale, N. Y. Shoe and like lace and tip therefor. 1,691,451; Nov. 13.
 one-third to Phelps & Dewees, San Antonio, Tex. Air or seaplane station. 1,686,298; Oct. 2.
 Ufer, Alfred, Boghum, Germany. 1,666,076; Apr. 17.
 Uffert, Walter B., Freeport, N. Y. Automatic shaft lock for automobiles. 1,685,428; Sept. 4.
 Ugolini, Alexander, Youngstown, Ohio. Electrical scrubbing and drying machine. 1,661,979; Mar. 6.
 Uhde, Georg F., Bovinghausen, Germany. Purifying gases. 1,685,733; Sept. 25.
 Uhde, Georg F., Bovinghausen, Germany. Synthetically producing ammonia. 1,685,734; Sept. 25.
 Uhl, Clyde, Bartlesville, Okla. Sand pump. 1,661,060; Feb. 28.
 Uhl, Frank L., Detroit, Mich. Gas cock. 1,663,427; Mar. 20.
 Uhl, George A., assignor of one-third to G. E. Ginter and Uhl, George R. (See Brown, H., and Uhl.)
 Uhl, George R., Kansas City, Kans. Faucet. 1,664,714; Apr. 3.
 Uhl, Robert L., Ontario, Calif., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Electric heater. 1,655,480; Jan. 10.
 Uhl, William, assignor to Marietta Manufacturing Company, Indianapolis, Ind. Process and apparatus for manufacturing glass corner strips. 1,668,576; May 8.
 Uhle, David J. (See Amme, E., Dienst, and Uhle.)
 Uhlemann Optical Co. (See Hunter, Hugh L., assignor.)
 Uhlemann, Richard H., Chicago, Ill. Ophthalmic mounting. 1,656,402; Jan. 17.
 Uhlemann, Richard H., Chicago, Ill. Spectacle mounting. 1,656,403; Jan. 17.
 Uhlig, Albert, Dresden A., assignor to the firm Maschinenfabrik Laube, Kurt u. Rudolf Laube, Dresden, Germany. Box-making machine. 1,669,793; May 15.
 Uhlig, Charles M. (See Graham, W. D., and Uhlig.)
 Uhlig, Johannes H. (See Sperlich, H. A., and Uhlig.)
 Uhlig, Richard W., Newark, N. J., assignor to Albert Voigt, Brooklyn, N. Y. Typewriting machine. 1,676,809; July 10.
 Uhlig, Willy R., Dresden, Germany. Angling game requiring patience and skill. 1,663,962; Mar. 27.
 Uhlman, Walter G. (See Hollar, H., jr., and Uhlman.)
 Uhlman, Walter G. (See Hollar, W. H., jr., and Uhlman.)
 Uhrig, Frederick P., Altoona, Wash. Exhaust tank. 1,656,129; Jan. 10.
 Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal pipe-casting machine. 1,673,028; June 12.
 Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Furnace door. 1,675,739; July 3.
 Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Mold for centrifugal pipe casting. 1,693,703; Dec. 4.
 Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal pipe-casting machine and mold. 1,695,514; Dec. 18.
 Uhrig, John H., Beverly, assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Transporting mechanism for pipe-annealing furnaces. 1,695,515; Dec. 18.
 Ulbrich, Wilhelm, Jena, Germany. Mercury-vapor lamp. 1,694,836; Dec. 11.
 Ullmann, Fritz, Charlottenburg, and G. Trewendt, assignors to J. Michael & Co., Berlin, Germany. Manufacture of arsenic acid. 1,677,257; July 17.
 Ullmann, Gustav, Vienna, Austria. Method of and apparatus for cleaning high-pressure boiling apparatus. 1,678,089; July 24.
 Ullman, Joseph B., Washington, D. C. Finger ring. 1,672,355; June 5.
 Ulom, Virgil V., et al. (See Gonsett, Robert R., assignor.)
 Ulman, Rosanna du F., assignor to A. Rothstein, Chicago, Ill. Garment. 1,677,258; July 17.
 Ulman, Rosanna du F., assignor to International Corset Company, Aurora, Ill. Corset. 1,668,834; May 8.
 Ulman, Rosanna D., assignor to International Corset Company, Aurora, Ill. Combination corset and brassiere. 1,694,693; Dec. 11.
 Ulmer, Gottlieb. (See Ulmer, Theodore and G.)
 Ulmer, Joseph A., Los Angeles, Calif. Ignition device for smudge pots. 1,676,368; July 10.
 Ulmer, Theodore and G., Alpena, S. Dak. Hoist. 1,691,685; Nov. 13.

- Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron device adapted for high potential. 1,655,925; Jan. 10.
- Ulrey, Clayton T., East Orange, N. J., assignor to Westinghouse Lamp Company. X-ray tube adapted for high voltage. 1,655,926; Jan. 10.
- Ulrey, Dayton, and D. I. Mayne, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Automatic electric flasher. 1,680,400; Aug. 14.
- Ulrich, Carl J., Mankato, Minn. Machine for washing serving trays. 1,663,288; Mar. 20.
- Ulrich, Carl J., Minneapolis, Minn. Juice extractor. 1,683,850; Sept. 11.
- Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Posting bus or truck. 1,676,810; July 10.
- Ulrich, Horace W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,667,830; May 1.
- Ulrich, Oswald, Chicago, Ill., assignor to Emil J. Paidar Co. Reclining-chair lock. 1,670,555; May 22.
- Ulrich Planfiling Equipment Company. (See Ulrich, Roy E., assignor.)
- Ulrich, Roy E., assignor to Ulrich Planfiling Equipment Company, Jamestown, N. Y. Planfile. 1,691,743; Nov. 13.
- Ulrich, William S. L., Grafton, Ill. Tractor. 1,676,622; July 10.
- Ulrich, William S. L., Grafton, Ill. Tractor mechanism. 1,676,624; July 10.
- Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Automatic controller. 1,669,107; May 8.
- Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Speed regulation of synchronous motors. 1,669,150; May 8.
- Umbarger, Joseph C., Cedar Grove, La. Apparatus for the treatment of crude oil. 1,675,775; July 3.
- Umbracio, Frank, New York, N. Y. Accordion keyboard. 1,667,089; Apr. 24.
- Umbracio, Frank, New York, N. Y. Accordion-locking means. 1,684,119; Sept. 11.
- Umrath, Karl D., St. Louis, Mo. Method and apparatus for shelling Crustacea. 1,655,582; Jan. 10.
- Umrath, Karl D., St. Louis, Mo. Method and apparatus for shelling Crustacea. 1,655,583; Jan. 10.
- Umstead, Morris F., Aldan, Pa. Ribbon-guiding attachment for typewriters. 1,662,220; Mar. 13.
- Underwood, Carl J. and J. A., Huntington Beach, Calif. Cigar lighter and advertising cabinet. 1,663,030; Mar. 20.
- Underwood Computing Machine Company. (See Thieme, Otto, assignor.)
- Underwood Elliott Fisher Company. (See Barker, Benjamin F., assignor.)
- Underwood Elliott Fisher Company. (See Blaisdell, Harrison O., assignor.)
- Underwood Elliott Fisher Company. (See Campbell, George W., assignor.)
- Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
- Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
- Underwood Elliott Fisher Company. (See Hexter, Julian S., assignor.)
- Underwood Elliott Fisher Company. (See Kupetz, Adolph G., assignor.)
- Underwood Elliott Fisher Company. (See Kurowski, Alden A., assignor.)
- Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
- Underwood Elliott Fisher Company. (See Lasher, Hiram S., assignor.)
- Underwood Elliott Fisher Company. (See Lindburg, Joseph, assignor.)
- Underwood Elliott Fisher Company. (See McMahon, Thomas J., assignor.)
- Underwood Elliott Fisher Company. (See Oswald, Alfred E., assignor.)
- Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
- Underwood Elliott Fisher Company. (See Rowley, Edward G., assignor.)
- Underwood Elliott Fisher Company. (See Sargent, George H., assignor.)
- Underwood Elliott Fisher Company. (See Simmons, William D. M., assignor.)
- Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
- Underwood Elliott Fisher Company. (See Steele, Herbert E., assignor.)
- Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)
- Underwood Elliott Fisher Company. (See Thatcher, Linden A., assignor.)
- Underwood Elliott Fisher Company. (See Vickers, Harry H., assignor.)
- Underwood Elliott Fisher Company. (See Waldheim, John, assignor.)
- Underwood, Ernest E. (See Stuber, A., and Underwood.)
- Underwood, Ernest E., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-back latch. 1,655,525; Jan. 10.
- Underwood, Ernest E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-camera spool holder. 1,672,841; June 5.
- Underwood, Frank E. (See Underwood, William M. and F. E.)
- Underwood, Frank K., Oskaloosa, Iowa. Treeholder. 1,696,288; Dec. 25.
- Underwood, I. C., et al. (See Stovall, James N., assignor.)
- Underwood, James A. (See Underwood, Carl J. and J. A.)
- Underwood Typewriter Company. (See Bosworth, William G., assignor.)
- Underwood Typewriter Company. (See Conard, Frederick U., assignor.)
- Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
- Underwood Typewriter Company. (See Daniel, Royal G., assignor.)
- Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
- Underwood Typewriter Company. (See Rowley, Edward G., assignor.)
- Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
- Underwood Typewriter Company. (See Waldheim, John, assignor.)
- Underwood, Walter J., Chelsea, London, England. Control of railway trains. 1,687,272; Oct. 9.
- Underwood, Western, Los Angeles, Calif. Capital for lamp-posts. Des. 75,704; July 3.
- Underwood, Western, Los Angeles, Calif. Head for lamp-posts. Des. 75,705; July 3.
- Underwood, Western, Los Angeles, Calif. Street-light lantern. Des. 75,706; July 3.
- Underwood, Western, Los Angeles, Calif. Street-lighting post. Des. 77,272; Dec. 18.
- Underwood, Western, assignor to La Lux Manufacturing Company, Los Angeles, Calif. Lighting post. Des. 77,194; Dec. 11.
- Underwood, Western, assignor to La Lux Manufacturing Company, Los Angeles, Calif. Head for lighting posts. Des. 77,195; Dec. 11.
- Underwood, Western, assignor of one-half to H. H. Walker, Los Angeles, Calif. Lantern for lighting posts. Des. 77,196; Dec. 11.
- Underwood, Western, assignor of one-half to H. H. Walker, Los Angeles, Calif. Globe-mounting ring. 1,690,563; Nov. 6.
- Underwood, William M. and F. E., Long Beach, Calif. Golf-ball ejector. 1,673,852; June 19.
- Unger, Gustave A., Pelham Manor, N. Y. Flexible coupling. 1,664,052; Mar. 27.
- Unger, Ernest. (See Shaw, Louis E., assignor.)
- Unger, Ernest G., assignor to Keen Waving Company, Incorporated, New York, N. Y. Automatic locking clamp. 1,686,539; Oct. 9.
- Unger, Frank J., Akron, assignor to The Stardant Rubber Company, Kenmore, Ohio. Dipping-form-cleaning apparatus. 1,658,011; Jan. 31.
- Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Electric furnace. 1,675,237; June 26.
- Unger, Max, New York, N. Y. Smoking pipe. 1,659,643; Feb. 21.
- Unger, Oskar, Ludwigshafen-on-the-Rhine, and G. Böhner, Friedrichsfeld, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Manufacture of vat dyestuffs of the anthraquinone-acridone series. 1,690,913; Nov. 6.
- Unger, Paul O. (See McMillan, J. L., and Unger.)
- Unger, Paul O., assignor to McMillan Book Company, Syracuse, N. Y. Cover for books, binders, and the like. 1,684,335; Sept. 11.
- Ungerer, Howard L., and D. W. Hughes, New York, N. Y., assignors to Elevator Supplies Company, Inc., Hoboken, N. J. Elevator-control apparatus. 1,655,116; Jan. 3.
- Unglesby, Lewis H., assignor of one-half to M. H. Hughes, Baton Rouge, La. Pneumatic-tire signal. 1,666,155; Apr. 17.
- Union Asbestos & Rubber Company. (See Gillies, William R., assignor.)
- Union Bag and Paper Corporation. (See Gibson, J. R., and Avery, assignors.)
- Union Bag and Paper Corporation. (See Wolle, Joseph A., assignor.)
- Union Bank of Chicago, trustee. (See Cowles, Irving, assignor.)
- Union Bed and Spring Company. (See Motschman, H. H., and Powers, assignors.)
- Union Bed & Spring Company. (See Sieger, Lawrence, assignor.)
- Union Carbide Company. (See Erickson, Albert N., assignor.)
- Union Carbide Sales Company. (See Clark, Louis F., assignor.)
- Union Draft Gear Co. (See Barnard, Harry, assignor.)
- Union Draft Gear Company. (See Cotton, Walter H., assignor.)
- Union Engineering & Foundry Company. (See Johnson, Lane, assignor.)
- Union Engineering & Foundry Company. (See Talbot, Howard H., assignor.)
- Union Hardware Company. (See Hoerle, William F., assignor.)

- Union Lithograph Company. (See King, Walter J. H., assignor.)
- Union Machinery Company. (See Elwood, Ward P., assignor.)
- Union Machinery Company. (See Streich, Frank, assignor.)
- Union Metal Products Company. (See Bonsall, Charles D., assignor.)
- Union Metal Products Company. (See Dodds, Ethan I., assignor.)
- Union Metal Products Company. (See Gilpin, Garth G., assignor.)
- Union Metal Products Company. (See Graham, Leslie B., assignor.)
- Union Metal Products Company. (See Powers, Robert E., assignor.)
- Union Metal Products Company. (See Sisson, Vinton E., assignor.)
- Union Metal Products Company. (See Small, Arthur E., assignor.)
- Union Metal Products Company. (See Swann, James S., assignor.)
- Union Miniere du Haut-Katanga, Societe Congolaise. (See Carnahan, Thomas S., assignor.)
- Union Oil Company of California. (See Dunham, Robert A., assignor.)
- Union Oil Company of California. (See Funk, Ira B., assignor.)
- Union Oil Company of California. (See Kalichevsky, Vladimir A., assignor.)
- Union Oil Company of California. (See Merrill, David R., assignor.)
- Union Railway Equipment Company. (See O'Connor, Arthur F., assignor.)
- Union Special Machine Company. (See Bell, George W., assignor.)
- Union Special Machine Company. (See Berger, Joseph, assignor.)
- Union Special Machine Company. (See Biddle, John M., assignor.)
- Union Special Machine Company. (See Christensen, Norman V., assignor.)
- Union Special Machine Company. (See Hanson, Nathan E., assignor.)
- Union Special Machine Company. (See Long, W. B., and Hanson, assignors.)
- Union Special Machine Company. (See Long, W. B., and Sliwa, assignors.)
- Union Special Machine Company. (See Mann, Joseph, assignor.)
- Union Special Machine Company. (See Moffatt, James R., assignor.)
- Union Special Machine Company. (See Redin, Roy W., assignor.)
- Union Special Machine Company. (See Thull, Frank J., assignor.)
- Union Special Machine Company. (See Willis, Harry L., assignor.)
- Union Special Maschinenfabrik G. m. b. H. (See Maier, Karl, assignor.)
- Union Special Maschinenfabrik G. m. b. H. (See Maier, K., and Lutz, assignors.)
- Union Steam Pump Company. (See Bird, John C., assignor.)
- Union Steel Products Company. (See Bitney, Dewey H., assignor.)
- Union Steel Products Company. (See Burkhardt, Paul, assignor.)
- Union Steel Products Company. (See Mitchell, Robert B., assignor.)
- Union Switch & Signal Company, The. (See Ackerly, Donald G., assignor.)
- Union Switch & Signal Company, The. (See Allen, Walter P., assignor.)
- Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
- Union Switch & Signal Company, The. (See Beall, Charles R., assignor.)
- Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
- Union Switch & Signal Company, The. (See Brown, Donald F., assignor.)
- Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
- Union Switch & Signal Company, The. (See Failor, Charles W., assignor.)
- Union Switch & Signal Co. (See Field, Oscar S., assignor.)
- Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
- Union Switch & Signal Company, The. (See Gilson, R. M., and Skene, assignors.)
- Union Switch & Signal Company, The. (See Griffin, H. W., and Howard, assignors.)
- Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)
- Union Switch & Signal Company, The. (See Grondahl, L. O., and Geiger, assignors.)
- Union Switch & Signal Company, The. (See Grondahl, L. O., and Nettleton, assignors.)
- Union Switch & Signal Company, The. (See Holte, Harold O., assignor.)
- Union Switch & Signal Company, The. (See Kelloway, Charles J., assignor.)
- Union Switch & Signal Company, The. (See Lee, Frederick W., assignor.)
- Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
- Union Switch & Signal Company, The. (See Lockrow, Laurice L., assignor.)
- Union Switch & Signal Company, The. (See Lucas, Samuel M., assignor.)
- Union Switch & Signal Company. (See McCann, Ronald A., assignor.)
- Union Switch & Signal Company, The. (See Mickley, Joseph K., assignor.)
- Union Switch & Signal Company. (See Miller, John A., assignor.)
- Union Switch & Signal Company. (See Miller, J. A., and Cattell, assignors.)
- Union Switch & Signal Company, The. (See Murphy, George F., assignor.)
- Union Switch & Signal Company, The. (See Nettleton, Lewis L., assignor.)
- Union Switch & Signal Company, The. (See Padmore, Bertram R., assignor.)
- Union Switch & Signal Company, The. (See Peter, Leslie H., assignor.)
- Union Switch & Signal Company, The. (See Peter, L. H., and Edmonds, assignors.)
- Union Switch & Signal Company, The. (See Skene, Andrew A., assignor.)
- Union Switch & Signal Company, The. (See Skene, A. A., and Thompson, assignors.)
- Union Switch & Signal Company, The. (See Smith, William E., assignor.)
- Union Switch & Signal Company, The. (See Snavelly, Clarence S., assignor.)
- Union Switch & Signal Company, The. (See Snavelly, C. S., and Wells, assignors.)
- Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
- Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
- Union Switch & Signal Company, The. (See Sproull, Clarence W., assignor.)
- Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
- Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
- Union Switch & Signal Company, The. (See Waterman, Frank N., assignor.)
- Union Switch & Signal Company, The. (See Wells, Wesley B., assignor.)
- Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
- Union Switch & Signal Company, The. (See Zierdt, Conrad H., assignor.)
- Union Tank Car Company. (See Root, Joseph J., jr., assignor.)
- Union Tank and Pipe Company. (See Gleason, Shelley I., assignor.)
- Union Tool Company. (See Timbs, Edward, assignor.)
- Union Trust Co. of Pittsburgh, The, et al., executors. (See Laughlin, Alexander, jr.)
- Union Trust Company, The. (See Steigerwald, George N., assignor.)
- Unique Lamp & Casting Company. (See Larsen, Alfred E., assignor.)
- Unique Manufacturing Company. (See Goller, Eugene E., assignor.)
- United Alkali Company, The. (See Conroy, J. T., Lamble, and Latham, assignors.)
- United Autographic Register Company. (See Jensen, Louis, assignor.)
- United Autographic Register Company. (See Jensen, L., and Winter, assignors.)
- United Autographic Register Company. (See Mayer, George A., assignor.)
- United Chromium, Incorporated. (See Schwartz, Keyie W., assignor.)
- United Cigarette Machine Co., Inc. (See Gooch, Claiborne W., jr., assignor.)
- United Cigarette Machine Co. (See Koerner, Ewald, assignor.)
- United Electric Company, The. (See Serva, Adam A., assignor.)
- United Electric Company, The. (See Serva, A. A., and Friend, assignors.)
- United Electric Company, The. (See Simpson, Walter S., assignor.)
- United Engineering & Foundry Company, The. (See Bark, A. P., and Johnson, assignors.)
- United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
- United Engineering & Foundry Company. (See Dodge, Carl V., assignor.)
- United Engineering & Foundry Company. (See Johnson, Lane, assignor.)
- United Engineering & Foundry Company. (See Pennington, Harley D., assignor.)
- United Engineering & Foundry Company. (See Ray, Arthur W., assignor.)
- United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
- United Filters Corporation. (See Campbell, Robert C., assignor.)
- United Filters Corporation. (See Genter, Albert L., assignor.)

United Filters Corporation. (See Hoyt, John T., assignor.)
 United Glass Company. (See Loomis, Virgil V., assignor.)
 United Hydro-Carbons Company. (See Clarke, Alexander, assignor.)
 United Metal Hose Company. (See Levitt, Samuel, assignor.)
 United Metal Products Company, The. (See Nyman, John O., assignor.)
 United Milk Crate Company. (See Lion, Harold S., assignor.)
 United Piece Dye Works. (See Jaek, Carl, assignor.)
 United Products Corporation. (See Biddle, Arthur, assignor.)
 United Products Corporation of America. (See Biddle, Arthur, assignor.)
 United Refineries Company. (See Kormann, Frederick A., assignor.)
 United Royalties Corporation. (See Earle, Lee E., assignor.)
 United Royalties Corporation. (See Humphrey, Ernest N., assignor.)
 United Shank & Findings Company. (See Dodge, William G., assignor.)
 United Shank & Findings Company. (See Stoddard, Wallace W., assignor.)
 United Shoe Machinery Corporation. (See Abbott, Charles C., assignor.)
 United Shoe Machinery Corporation. (See Amann, Paul, assignor.)
 United Shoe Machinery Corporation. (See Ballard, Harrie A., assignor.)
 United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
 United Shoe Machinery Corporation. (See Ballard, M. H. and Seely, assignors.)
 United Shoe Machinery Corporation. (See Barclay, William R., assignor.)
 United Shoe Machinery Corporation. (See Barclay, W. R. and Keall, assignors.)
 United Shoe Machinery Corporation. (See Barkley, William B., assignor.)
 United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)
 United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
 United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
 United Shoe Machinery Corporation. (See Benjamin, John M., assignor.)
 United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
 United Shoe Machinery Corporation. (See Bradbury, Walter W., assignor.)
 United Shoe Machinery Corporation. (See Brock, M., and Seely, assignors.)
 United Shoe Machinery Corporation. (See Buckminster, Ira C., assignor.)
 United Shoe Machinery Corporation. (See Bunker, Darius W., assignor.)
 United Shoe Machinery Corporation. (See Burrier, Charles, assignor.)
 United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
 United Shoe Machinery Corporation. (See Cocozella, Anthony, assignor.)
 United Shoe Machinery Corporation. (See Conner, Charles E., assignor.)
 United Shoe Machinery Corporation. (See Coombes, Warren E., assignor.)
 United Shoe Machinery Corporation. (See Cooper, Basil P., assignor.)
 United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
 United Shoe Machinery Corporation. (See Costantino, Alix, assignor.)
 United Shoe Machinery Corporation. (See Cross, Garrett P. S., assignor.)
 United Shoe Machinery Corporation. (See Duckworth, Harry, assignor.)
 United Shoe Machinery Corporation. (See Emerson, Edwin L., assignor.)
 United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
 United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
 United Shoe Machinery Corporation. (See Erskine, Thomas C., assignor.)
 United Shoe Machinery Corporation. (See Fagan, William B., assignor.)
 United Shoe Machinery Corporation. (See Fausse, Joseph, assignor.)
 United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
 United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
 United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
 United Shoe Machinery Corporation. (See Glass, P. R., and Elliott, assignors.)
 United Shoe Machinery Corporation. (See Glidden, Harvey L., assignor.)

United Shoe Machinery Corporation. (See Goddu, George, assignor.)
 United Shoe Machinery Corporation. (See Goddu, G., and Mackenzie, assignors.)
 United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
 United Shoe Machinery Corporation. (See Gouldbourn, J., and Ricks, assignors.)
 United Shoe Machinery Corporation. (See Gouldbourn, J., and Woodcock, assignors.)
 United Shoe Machinery Corporation. (See Gouldbourn, J., Cooper, and Elliott, assignors.)
 United Shoe Machinery Corporation. (See Greene, Arthur E., assignor.)
 United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
 United Shoe Machinery Corporation. (See Hall, Alfred E. C., assignor.)
 United Shoe Machinery Corporation. (See Hamilton, Hugh R., assignor.)
 United Shoe Machinery Corporation. (See Hardie, John C., assignor.)
 United Shoe Machinery Corporation. (See Headley, Arthur E., assignor.)
 United Shoe Machinery Corporation. (See Heys, George H., assignor.)
 United Shoe Machinery Corporation. (See Heys, John J., assignor.)
 United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)
 United Shoe Machinery Corporation. (See Hoyt, Charles H., assignor.)
 United Shoe Machinery Corporation. (See Hughes, William, assignor.)
 United Shoe Machinery Corporation. (See Hunt, Chester, assignor.)
 United Shoe Machinery Corporation. (See Hurd, William R., 2d, assignor.)
 United Shoe Machinery Corporation. (See Jones, Richard M., assignor.)
 United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
 United Shoe Machinery Corporation. (See Joyce, Richard F., assignor.)
 United Shoe Machinery Corporation. (See Julian, Gideon J., assignor.)
 United Shoe Machinery Corporation. (See Kelly, John A., assignor.)
 United Shoe Machinery Corporation. (See Knowlton, Cutler D., assignor.)
 United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
 United Shoe Machinery Corporation. (See La Chapelle, Fred M., assignor.)
 United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
 United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
 United Shoe Machinery Corporation. (See MacDonald, Clifford K., assignor.)
 United Shoe Machinery Corporation. (See MacDonald, Lester S., assignor.)
 United Shoe Machinery Corporation. (See Mackenzie, Fred L., assignor.)
 United Shoe Machinery Corporation. (See MacLean, William J., assignor.)
 United Shoe Machinery Corporation. (See Mahler, John J., assignor.)
 United Shoe Machinery Corporation. (See Marcus, Jacob, assignor.)
 United Shoe Machinery Corporation. (See Marsh, Frank A. E., assignor.)
 United Shoe Machinery Corporation. (See Mayo, Benjamin F., assignor.)
 United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)
 United Shoe Machinery Corporation. (See Meloon, James W., assignor.)
 United Shoe Machinery Corporation. (See Merritt, Matthew M., assignor.)
 United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
 United Shoe Machinery Corporation. (See Mirandette, Hormidas S., assignor.)
 United Shoe Machinery Corporation. (See Molyneux, George E., assignor.)
 United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
 United Shoe Machinery Corporation. (See Morrill, Charles H., assignor.)
 United Shoe Machinery Corporation. (See O'Sullivan, Patrick J., assignor.)
 United Shoe Machinery Corporation. (See Perry, Frederick H., assignor.)
 United Shoe Machinery Corporation. (See Pope, Elmer R., assignor.)
 United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
 United Shoe Machinery Corporation. (See Preo, J. L., and Henne, assignors.)
 United Shoe Machinery Corporation. (See Prindle, Edwin J., assignor.)
 United Shoe Machinery Corporation. (See Proulx, Walter, assignor.)

- United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
 United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
 United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
 United Shoe Machinery Corporation. (See Reed, James H., assignor.)
 United Shoe Machinery Corporation. (See Richardson, J. H., and Hudson, assignors.)
 United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)
 United Shoe Machinery Corporation. (See Ricks, F., and Gouldbourn, assignors.)
 United Shoe Machinery Corporation. (See Ricks, F., and Reid, assignors.)
 United Shoe Machinery Corporation. (See Ricks, F., and Richards, assignors.)
 United Shoe Machinery Corporation. (See Ricks, F., and Woodcock, assignors.)
 United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
 United Shoe Machinery Corporation. (See Roulo, John B., assignor.)
 United Shoe Machinery Corporation. (See Rousseau, J. E., and Brunelle, assignors.)
 United Shoe Machinery Corporation. (See Rumney, Fred A., assignor.)
 United Shoe Machinery Corporation. (See Sabin, Ernest E., assignor.)
 United Shoe Machinery Corporation. (See Sabin, E. E., and Holmgren, assignors.)
 United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
 United Shoe Machinery Corporation. (See Shaw Wesley J., assignor.)
 United Shoe Machinery Corporation. (See Silvester, R. H., and Bates, assignors.)
 United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
 United Shoe Machinery Corporation. (See Smith, Archibald C., assignor.)
 United Shoe Machinery Corporation. (See Smith, Orin L., assignor.)
 United Shoe Machinery Corporation. (See Spinney, C. N., and Mackenzie, assignors.)
 United Shoe Machinery Corporation. (See Sprague, William A., assignor.)
 United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
 United Shoe Machinery Corporation. (See Swain, Harold S., assignor.)
 United Shoe Machinery Corporation. (See Toothaker, Fred E., assignor.)
 United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
 United Shoe Machinery Corporation. (See Warren, Frank H., assignor.)
 United Shoe Machinery Corporation. (See Warren, George E., assignor.)
 United Shoe Machinery Corporation. (See Williams, Ernest A., assignor.)
 United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
 United Shoe Machinery Corporation. (See Winkley, E. E., and Davenport, assignors.)
 United Shoe Machinery Corporation. (See Winkley, E. E., and Hart, assignors.)
 United Shoe Machinery Corporation. (See Woodcock, Reginald B., assignor.)
 United Shoe Repairing Machine Company. (See Seely, T. H., and Rollins, assignors.)
 United States Asbestos Company. (See Slaymaker, S. R., and Walter, assignors.)
 U. S. Bobbin & Shuttle Company. (See Allen, Robert N., assignor.)
 U. S. Bobbin & Shuttle Company. (See Lock, John E., assignor.)
 U. S. Bobbin & Shuttle Company. (See Park, Carl P., assignor.)
 U. S. Bobbin & Shuttle Company. (See Prescott, William T., assignor.)
 U. S. Bottlers Machinery Co. (See Risser, Arthur I., assignor.)
 United States Cartridge Co. (See Murphy, James A., assignor.)
 United States Cast Iron Pipe and Foundry Company. (See Ladd, James B., assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Losey, Arthur, assignor.)
 United States Cast Iron Pipe & Foundry Company. (See Uhrig, John H., assignor.)
 United States Chain & Forging Company. (See Bremer, Frederick G., assignor.)
 United States Chain & Forging Company. (See McGowen, William R., assignor.)
 United States Chain & Forging Company. (See Nicholas, William, assignor.)
 United States Chain and Forging Company. (See Reh fuss, Martin O., assignor.)
 United States Chain and Forging Company. (See Senft, John, assignor.)
 United States Coal Mfg. Co., The. (See Miller, William T., assignor.)
 United States Electrical Manufacturing Company. (See Johnson, Carl E., assignor.)
 United States Electrical Manufacturing Company. (See Johnson, C. E., and Mendenhall, assignors.)
 United States Electrical Manufacturing Company. (See Myers, Thomas G., assignor.)
 United States Envelope Company. (See Cather, Charles E., assignor.)
 United States Envelope Company. (See Swett, Charles E., assignor.)
 United States Envelope Company. (See Swift, Willard E., assignor.)
 United States Fastener Company. (See Holmes, George A., assignor.)
 United States Foil Co. (See Golden, William G., assignor.)
 United States Gauge Company. (See Bayha, William G., assignor.)
 United States Glass Company. (See Keil, Charles R., assignor.)
 United States Glass Company. (See Loomis, Virgil V., assignor.)
 United States Glass Company. (See Northwood, Charles O., assignor.)
 United States Glass Company. (See Slick, Edwin E., assignor.)
 United States Gutta Percha Paint Company. (See Rice, Wayland W., assignor.)
 United States Gypsum Company. (See Armstrong, Morgan K., assignor.)
 United States Gypsum Company. (See Birdsey, Charles R., assignor.)
 United States Gypsum Company. (See Brookby, H. E., and Abmseler, assignors.)
 United States Gypsum Company. (See Brookby, H. E., and Roos, assignors.)
 United States Gypsum Company. (See Gustafson, Edwin L., assignor.)
 United States Gypsum Company. (See Kohler, A. F. H., and Speer, assignors.)
 United States Gypsum Company. (See Roos, C. K., and Allison, assignors.)
 United States Gypsum Company. (See Smith, Neal D., assignor.)
 United States Gypsum Company. (See Speer, Alexander S., assignor.)
 U. S. Hame Company. (See Carr, Robert P., assignor.)
 United States Hame Company. (See Glaser, John M., assignor.)
 United States Hoffman Machinery Corporation, et al. (See Brockett, Bluford W., assignor.)
 United States Hoffman Machinery Corporation. (See Cohen, Hyman E., assignor.)
 United States Hoffman Machinery Corporation. (See Diener, Hyman, assignor.)
 United States Hoffman Machinery Corporation. (See Page, Herbert E., assignor.)
 United States Hoffman Machinery Corporation. (See Talbott, W. M., and Ledbetter, assignors.)
 United States Hoffman Machinery Corporation et al. (See Waream, C. E., and Link, assignors.)
 U. S. Hoist & Body Company, The. (See Berry, George W., assignor.)
 U. S. Industrial Alcohol Co. (See Keyes, Donald B., assignor.)
 U. S. Light & Heat Corporation. (See Carpenter, Campbell C., assignor.)
 U. S. Manufacturing Corporation. (See Le Pere, John G., assignor.)
 United States Nito Co., The. (See Hennen, Earl C., assignor.)
 United States of America. (See Coogle, Charles P., assignor.)
 United States Ordnance Company. (See Dawson, A. T., and Buckham, assignors.)
 United States Printing & Lithograph Company, The. (See Burgess, Joseph E., assignor.)
 United States Printing and Lithograph Company, The. (See Taylor, Arthur K., assignor.)
 United States Processes, Inc. (See Stokes, William E., assignor.)
 United States Radium Corporation. (See Hahn, Otto, assignor.)
 U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)
 United States Rubber Company. (See Loomis, C. C., and Perry, assignors.)
 United States Rubber Plantations, Incorporated. (See Gibbons, W. A., and McGavack, assignors.)
 United States Sanitary Manufacturing Company, The. (See Henricks, Henry E., assignor.)
 U. S. Slicing Machine Company. (See Bachman, Rudolph, assignor.)
 U. S. Slicing Machine Company. (See Bachman, Rudolph W., assignor.)
 U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
 U. S. Slicing Machine Company. (See Fox, Eugene R., assignor.)
 U. S. Slicing Machine Company. (See Stiles, Edward M., assignor.)
 U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
 U. S. Slicing Machine Company. (See Thomas, Henry, assignor.)

- U. S. Slicing Machine Company. (See Van Berkel, Cornelis F., assignor.)
- U. S. Slicing Machine Company. (See van Berkel, Cornelis F. M., assignor.)
- U. S. Slicing Machine Company. (See van Lammeren, Willem P., assignor.)
- United States Tent & Awning Company. (See Dietz, Charles H., assignor.)
- U. S. Tool Co. (See Dester, William F., assignor.)
- U. S. Tool Company. (See Woods, Walter T., assignor.)
- United States Train Signal Company, The. (See Benn, W. E., and Davies, assignors.)
- United States Train Signal Company, The. (See Stafford, Earl C., assignor.)
- United Steel & Wire Company. (See Jarvis, Charles H., assignor.)
- United Steel and Wire Co. (See Macomber, Lynn W., assignor.)
- United Telegraph & Cable Company, The. (See Bruce, William M., jr., assignor.)
- United Verde Extension Mining Company. (See Prince, G. W., and English, assignors.)
- United Water Softeners Limited. (See Higgins, Eric B., assignor.)
- United Water Softeners Limited. (See Thomson, R. H., and Lawrence, assignors.)
- Universal Button Fastening and Button Company. (See Clark, John M., assignor.)
- Universal Button Fastening & Button Co. (See Langley, Frank F., assignor.)
- Universal Cooler Corporation. (See Thompson, Harry E., assignor.)
- Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
- Universal Draft Gear Attachment Co. (See Hall, Joseph M., assignor.)
- Universal Draft Gear Attachment Company, The. (See Mann, Lester B., assignor.)
- Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
- Universal Draft Gear Attachment Co. (See Wilson, Jack, assignor.)
- Universal Engineering Corporation. (See Robson, John, assignor.)
- Universal Gas Electric Company. (See Kemble, Thomas S., assignor.)
- Universal Gauge Corporation. (See Vlazny, Joseph W., assignor.)
- Universal Gear Shift Corporation. (See Craig, Alvin M., assignor.)
- Universal Gypsum & Lime Co. (See Nelson, William K., assignor.)
- Universal Holding Company. (See Gallagher, Charles R., assignor.)
- Universal Holding Company. (See Griffin, Alvah M., assignor.)
- Universal Humidifying Company. (See Braemer, W. G. R., assignor.)
- Universal Metal Mfg. Co. (See McGinnis, Basil W., assignor.)
- Universal Milking Machine Company, The. (See Schmitt, John A., assignor.)
- Universal Nut-Lock and Bolt Company. (See Tarwater, Lawson, assignor.)
- Universal Oil Products Company. (See Alther, Joseph G., assignor.)
- Universal Oil Products Company. (See Bogardus, Arthur G., assignor.)
- Universal Oil Products Company. (See David, Aubrey D., assignor.)
- Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
- Universal Oil Products Company. (See Egloff, Gustav, assignor.)
- Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
- Universal Oil Products Company. (See Egloff, G., and Howard, assignors.)
- Universal Oil Products Company. (See Halle, Hiram J., assignor.)
- Universal Oil Products Company. (See Hanna, Richard W., assignor.)
- Universal Oil Products Company. (See Henny, V., and Seguy, assignors.)
- Universal Oil Products Company. (See Howard, William R., assignor.)
- Universal Oil Products Company. (See Huff, Lyman C., assignor.)
- Universal Oil Products Company. (See Mabey, Herbert S., assignor.)
- Universal Oil Products Company. (See Oberle, Alfred, assignor.)
- Universal Oil Products Company. (See Pollock, Robert T., assignor.)
- Universal Oil Products Company. (See Sims, George D., assignor.)
- Universal Oil Products Company. (See Tears, Claude F., assignor.)
- Universal Optical Corporation. (See Nelson, John N., assignor.)
- Universal Optical Corporation. (See Twombly, John I., assignor.)
- Universal Pictures Corporation. (See Pourfillet, G., and Giovannoni, assignors.)
- Universal Power Shovel Company. (See Bradley, Merrill I., assignor.)
- Universal Products Company, The. (See Pollock, Robert T., assignor.)
- Universal Safety Brake Company. (See Zamboni, Lawrence.)
- Universal Signal Corporation. (See Perry, George E., assignor.)
- Universal Stamping & Mfg. Co. (See Monson, Axel, assignor.)
- Universal Test Equipment Company. (See Weiss, Fred R., assignor.)
- Universal Tide Power Co. (See Knowlton, John A.)
- Universal Winding Company. (See Anderson, Johan A., assignor.)
- Universal Winding Company. (See De Wolf, Ernest A., assignor.)
- Universal Winding Company. (See Jones, Charles H., assignor.)
- Universal Winding Company. (See Parks, Edward F., assignor.)
- Universal Winding Company. (See Swanson, Ernest R., assignor.)
- "Universelle" Cigarettenmaschinen-Fabrik J. C. Müller & Co. (See Röber, Constantin F., assignor.)
- University Manufacturing & Sales Co. Inc. (See Hadermann, Frederick E., assignor.)
- University Patents, Inc. (See Zucker, Theodore F., assignor.)
- Unruh, Edward N., jr., Corsicana, Tex. Cable-spooling device. 1,693,876; Dec. 4.
- Unthank, George R. (See Green, E. W., and Unthank.)
- Untiedt, Frederick H., Washington, D. C. Combined corkscrew and cork borer. 1,657,728; Jan. 31.
- Unwin, Kenneth, jr., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Guard for weft detectors in loom transferers. 1,663,928; Mar. 27.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector in loom transferers. 1,679,640; Aug. 7.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Inertia-actuated weft detector on a transferer arm. 1,691,142; Nov. 13.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lubricating device for picker spindles. 1,692,968; Nov. 27.
- Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side-slip weft detector. 1,695,398; Dec. 18.
- Updegraff, Clarence M., Washington, D. C. Thermostatically-controlled fluid valve. 1,660,637; Feb. 28.
- Updegrave, Clarence A., Orwigsburg, and W. R. Shollenberger, Schuylkill Haven, assignors of 20 per cent to W. Boyer, Pottsville, Pa. Windshield attachment. 1,673,722; June 12.
- Upham, Burt F., et al. (See Brunell, Leo W., assignor.)
- Upham, Burt F., Brookline, Mass., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Mechanical movement. 1,693,415; Nov. 27.
- Upham, Franklin S., Des Moines, Iowa. Toy train coupling. 1,665,758; Apr. 10.
- Upham, Gilbert R., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Fastener tape. 1,672,632; June 5.
- Upham, Preston, assignor to Sullivan Machinery Company, Boston, Mass. Mining machine. 1,664,383; Mar. 27.
- Upham, Preston, Brookline, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,690,212; Nov. 6.
- Upington, Walter W., Tacoma, Wash. Razor-blade sharpener. 1,676,209; July 3.
- Upperu, Inglis M. (See Williams, Thomas F., assignor.)
- Upson, Charles A., assignor of one-half to W. H. Upson, Lockport, N. Y. Fiber board and making same. 1,687,599; Oct. 16.
- Upson, Maxwell M., New York, N. Y. Wharf or pier. 1,672,102; June 5.
- Upson, Maxwell M., Englewood, N. J. Concrete pile. 1,688,064; Oct. 16.
- Upson, Ralph H., Detroit, Mich. Kite balloon. 1,686,646; Oct. 9.
- Upson, W. Harrison. (See Upson, Charles A., assignor.)
- Upson-Walton Company, The. (See Smith, John O., assignor.)
- Upton, Albert P. (See Goldsborough, Paul, assignor.)
- Upton, Charles B., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Ram. 1,695,305; Dec. 18.
- Urban, Bellony Voisin. (See Roche, Emile M., assignor.)
- Urban Corporation. (See Urban, Edouard, assignor.)
- Urban, Edouard, Paris, France, assignor to Urban Corporation. Manufacture of agglomerated carbonaceous material. 1,659,931; Feb. 21.
- Urban, Edouard, Paris, France, assignor to Urban Corporation. Active carbomineral product. 1,689,647; Oct. 30.
- Urban, Oliver M., assignor, by mesne assignments, to The Travers Process Corporation, Columbus, Ohio. Process and apparatus for dialyzing liquids. 1,680,349; Aug. 14.
- Urban, Emil, Comstock, Nebr. Combined hoe and rake. 1,665,183; Apr. 3.
- Urban, Joseph P., assignor to Detroit Concrete Receptacle Company, Detroit, Mich. Mold. 1,684,978; Sept. 18.

- Urbancic, Leopold. (See Summers, Frank, assignor.)
 Urbuteit, Fred, Sulphur Springs, Fla. Toy gun. 1,654,847; Jan. 3.
 Urie, David A., Chicago, Ill. Receptacle-filling machine. 1,655,584; Jan. 10.
 Urke, John H., and L. R. Metcalf, East St. Louis, Ill. Radiator valve. 1,670,698; May 22.
 Uraub, George A., Bayonne, N. J. Yarn stop motion. 1,668,425; May 1.
 Urmsom, George W., Hollis, N. Y. Scaffold. 1,660,693; Feb. 28.
 Urquhart, Ubert. (See La Joie, H. J., Urquhart, and Pokorny.)
 Urschel, Bertis H., assignor to Urschel Engineering Company, Bowling Green, Ohio. Automobile axle. 1,690,510; Nov. 6.
 Urschel, Bertis H., assignor to Urschel Engineering Company, Bowling Green, Ohio. Axle for self-propelled vehicles. 1,690,511; Nov. 6.
 Urschel Engineering Company. (See Urschel, Bertis H., assignor.)
 Urschel, William E., Valparaiso, Ind., assignor to Eskimo Pie Corporation, Louisville, Ky. Ice-cream cutting and coating machine. 1,692,427; Nov. 20.
 Urschler, Frank, sr. (See Gelman, M., and Urschler.)
 Urtis, Cesare, assignor to G. Sartorio, Turin, Italy. Apparatus for preparing coffee and other infusions. 1,662,657; Mar. 13.
 Uschmann, Curt, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Adjustable support or easel. 1,681,070; Aug. 14.
 Useful Products Company. (See Kingman, Russell B., assignor.)
 Utah-Idaho Sugar Company. (See Peterson, John R., assignor.)
 Utah Radio Products Company. (See King, J. M. S., and Lund, assignors.)
 Utah Royalty Corporation. (See Rider, Rowland W., assignor.)
 Utica Heater Company. (See Cowles, H., and Norris, assignors.)
 Utica Products, Inc. (See Hauser, George D., assignor.)
 Utilities Corporation of Maryland. (See Sachs, Solomon, assignor.)
 Utility Manufacturing Company, The. (See Wertz, Howard G., assignor.)
 Utility Strate Manufacturing Company. (See Shoner, Robert N., assignor.)
 Utility Trailer Manufacturing Company. (See Stebbins, Harry Y., assignor.)
 Utman, Commodore, Thomaston, Conn. Locking attachment for valves. 1,668,223; May 1.
 Utrilla, José M., Guanabacoa, Habana, Cuba. Attachment for writing implements. 1,678,578; July 24.
 Utterback, Edward D., Lubbock, Tex. Manifold heater for automobiles. 1,654,711; Jan. 3.
 Utz, William A., sr., St. Louis, Mo. Package-sealing machine. 1,675,196; June 26.
 Utz, William A., sr., St. Louis, Mo., assignor to Perfection Package Sealer Company, Inc., Dallas, Tex. Gummed-tape-serving machine. 1,690,512; Nov. 6.
 Utz, William A., sr., St. Louis, Mo., assignor to Perfection Package Sealer Company, Inc., Dallas, Tex. Roll holder for gummed-tape-serving machines. 1,693,877; Dec. 4.
 Utz, Joseph. (See Klausmeyer, D. C., and Utz.)
 Uvalde Rock Asphalt Company. (See Frazier, John W., assignor.)
 Uyel, Nao, Denver, Colo. Device for picking up golf balls for golf players. 1,658,145; Feb. 7.
 V. Asten, Eduard, Eupen, Belgium. Paper-making machine. 1,660,640; Feb. 28.
 V. L. Oil Processes Limited. (See Lucas, O. D., and Lomax, assignors.)
 V. V. Fittings Company. (See Burns, James F., assignor.)
 Vacca, Guido. (See Bacci, R., and Vacca.)
 Vachon, Joseph J., Shapleigh, Me. Device for softening shoe uppers. 1,659,503; Feb. 14.
 Vacuum Filling Stand Company. (See Keith, Henry M., assignor.)
 Vacuum Oil Company. (See Atwood, E. H., Wanner, and Reese, assignors.)
 Vacuum Oil Company. (See Moran, Robert C., assignor.)
 Vaden, Claude A., Wheeling, W. Va. Mechanical massage apparatus. 1,668,224; May 1.
 Vadersen, Herbert, Elizabeth, N. J., assignor to Western Electric Company, New York, N. Y. Variable-inductance apparatus. 1,664,495; Apr. 3.
 Vagg, Roy. (See Stewart, A. D., Clarke, and Vagg.)
 Vagneux, Edmond F. L., Paris, France. Wooden plug for anchoring rails on concrete supports. 1,696,131; Dec. 18.
 Vahle, Ernest, Union City, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Tire-gauge indicating member. 1,668,663; May 8.
 Vail, N. R. (See Boykin, Robert O., assignor.)
 Vail, Walter E. (See Yngve, V., and Vail.)
 Valle, Pembroke A., Chicago, assignor to B. L. MacGregor, Hollywood, Ill. Golf club. 1,683,639; Sept. 11.
 Vallancourt, Edward, assignor to Murray Body Corporation, Detroit, Mich. Glass-run assembly. 1,657,520; Jan. 31.
 Vaisey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. Des. 76,506; Oct. 2.
 Valabrière, René-Max, assignor to Le Rasoir Apollo, Paris, France. Safety razor. 1,687,910; Oct. 16.
 Vale, Baldwin, assignor to R. L. Daily, San Francisco, Calif. Fish-cleaning machinery. 1,693,570; Nov. 27.
 Vale, Baldwin, Seattle, Wash., assignor, by mesne assignments, to The Clymer Manufacturing Company, Denver, Colo. Spotlight assembly. 1,654,766; Jan. 3.
 Vale, Charles S., Biarritz, France. Disinfecting cabinet and the like. 1,657,981; Jan. 31.
 Vallée, Armand J., Albany, assignor to General Railway Signal Company, Rochester, N. Y. Block signal system for railroads. 1,690,387; Nov. 6.
 Valens, Evans G., South Orange, N. J. Safety device. 1,668,791; May 8.
 Valensi, Georges, Paris, France. Receiving device for distant-vision installation. 1,664,798; Apr. 3.
 Valentin, Carl, Stuttgart, Germany. Automatic bobbin-changing device for looms. 1,656,801; Jan. 17.
 Valentin, Paul, assignor to R. Dreux, Paris, France. Flying machine. 1,684,163; Sept. 11.
 Valentine, Albert H. (See Davis, J. H., and Valentine.)
 Valentine, Albert H., assignor to Moraine Products Company, Dayton, Ohio. Inserting bearings in bearing recesses. 1,676,171; July 3.
 Valentine, Alfred S., Brooklyn, N. Y. Animal-racing apparatus. 1,674,749; June 26.
 Valentine, Alfred S., Brooklyn, N. Y. Animal-racing apparatus. 1,674,750; June 26.
 Valentine, Charles W., assignor to The Bagley and Sewall Company, Watertown, N. Y. Paper-making machine. 1,656,766; Jan. 17.
 Valentine, Charles W., assignor to The Bagley and Sewall Company, Watertown, N. Y. Paper-making machine. 1,665,614; Apr. 10.
 Valentine, Charles W., assignor to The Bagley and Sewall Company, Watertown, N. Y. Flow-everyer roll for paper-making machines. 1,667,755; May 1.
 Valentine, Frank A., Apponaug, assignor to Henry L. Scott Company, Providence, R. I. Counterweight device. 1,659,675; Feb. 21.
 Valentine, Frank A., Apponaug, and D. C. Scott, assignors to Henry L. Scott Company, Providence, R. I. Testing machine. 1,678,369; July 24.
 Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Bearing alloy. 1,667,641; Apr. 24.
 Valentine, Joseph E., Plainfield, N. J., assignor to Oxzya Company, New York, N. Y. Powder puff and making the same. 1,661,778; Mar. 6.
 Valentine, Kathryn L., and G. Ramsey, Jersey City, N. J. Overshoe. Des. 74,583; Feb. 28.
 Valentine, Kathryn L., and G. Ramsey, Jersey City, N. J. Overshoe. Des. 76,168; Aug. 21.
 Valentine, L. L. (See Onsrud, Oscar, assignor.)
 Valentine, Percy W., Cambridge, Mass. Shoe and method of shoemaking. 1,687,528; Oct. 16.
 Valentine, Percy W., Cambridge, Mass. Stitchdown shoe and method of making. 1,687,529; Oct. 16.
 Valentine, Robert D., assignor, by mesne assignments, to National Pole & Treating Company, Minneapolis, Minn. Pole-puncturing machine. 1,667,063; Apr. 24.
 Valentine, William A., Wilkes-Barre, Pa. Printing mechanism for typewriting machines. 1,668,472; May 1.
 Valentine, William A., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Die-fitting apparatus. 1,669,845; May 15.
 Valentini, Melchiorre. (See Donagemma, G., Tolini, Valentini, and Miccozzi.)
 Valentour, August, McDonald, Pa. Acetylene-gas generator. 1,684,979; Sept. 18.
 Valerio, Francesco, Stamford, Conn. Adjustable widening attachment for concrete-road finishers. 1,662,257; Mar. 13.
 Valet, William. (See Galbraith, F., and Valet.)
 Valle-Jones, Frederick W., New Oxley, Wolverhampton, assignor to Fox, Stockell & Company, London, England. Production of road-surfacing material. 1,688,511; Oct. 23.
 Vallé, Paul B., assignor to The Acme Wire Co., New Haven, Conn. Electric condenser. 1,658,501; Feb. 7.
 Valteau, James H., Reno, Nev. Vehicle support. 1,665,646; Apr. 10.
 Valteau, Thomas F., assignor to The Cooke & Cobb Company, Brooklyn, N. Y. File, binder, and the like. 1,662,873; Mar. 20.
 Vallée, Guma, Antonio, Habana, Cuba. Clarifying liquids. 1,665,167; Apr. 3.
 Vallen, Earl J., Akron, Ohio. Door or curtain operating mechanism. 1,668,880; May 8.
 Vallery, Frank, Belwood, Ontario, Canada. Skate-dressing tool. 1,672,608; June 5.
 Valley Electric Company. (See Ballman, Edwin C., assignor.)
 Valley Electric Company. (See Bullivant, Francis J., assignor.)
 Valley Mould & Iron Corporation. (See Perry, John E., assignor.)
 Valley Mould & Iron Corporation. (See Ramage, William H., assignor.)
 Valley Rubber Company. (See Mulholland, Thomas, assignor.)
 Vallez, Henry A., Bay City, Mich. Filtering elements. 1,691,001; Nov. 6.

- Vallez, Henry A., assignor to Vallez Rotary Filters Company, Bay City, Mich. Household filter. 1,690,958; Nov. 6.
- Vallez Rotary Filters Company. (See Vallez, Henry A., assignor.)
- Vallier, Elijah G., Wauwatosa, assignor to Western States Envelope Co., Milwaukee, Wis. Express envelope. 1,657,729; Jan. 31.
- Vallone, Charles, assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Crib or bed and the like structure. 1,678,237; July 24.
- Valve Equipment Company, The. (See Redding Orrion D., assignor.)
- Valveless Oil Burner Corporation. (See Standcliffe, Cecil W., assignor.)
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,660,658; Feb. 28.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,664,649; Apr. 3.
- Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coking retort oven. 1,678,803; July 31.
- Vanadium Corporation of America. (See Norris, George L., assignor.)
- Van Albada, Lieuwé E. W., Amsterdam, Netherlands, assignor to the firm Carl Zeiss, Jena, Germany. Optical system of magnifying glasses. 1,668,030; May 1.
- Van Albada, Lieuwé E. W., Amsterdam, Netherlands, assignor to the firm Carl Zeiss, Jena, Germany. Finder for photographic cameras. 1,678,493; July 24.
- Van Allen, Kenneth, New York, N. Y. Powder adapted to liberate iodine. 1,661,640; Mar. 6.
- Van Alphen, Rudolf P., The Hague, Netherlands. Apparatus for onward movement in swimming attitude in the water. 1,664,799; Apr. 3.
- Van Amburg, Otto H. Bridgeport, Conn., assignor to General Electric Company. Twin-light plug. 1,672,664; June 5.
- Van Amburgh, Charles, Long Beach, Calif. Fluid pump. 1,675,434; July 3.
- Van Amburgh, Charles L., Long Beach, Calif. Razorstropping device. 1,685,470; Sept. 25.
- Van Antwerp, Timothy, Sparland, Ill. Air deflector or distributor. 1,673,651; June 12.
- Van Arkel, A. E., and J. H. de Boer, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Separating hafnium and zirconium. 1,666,800; Apr. 17.
- Van Arkel, Anton E., and J. H. de Boer, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Precipitating metals on an incandescent body. 1,671,213; May 29.
- Van Arnan Manufacturing Company. (See Hess, William J., assignor.)
- Van Arsdale, Clarence C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Conduit connection. 1,673,723; June 12.
- Van Arsdale, May B. (See Heft, H. L., Van Arsdale, and Shank.)
- Van Arsdel, Wallace B. (See Richter, G. A., Van Arsdel, and Gosselink.)
- Van Arsdel, Wallace B., assignor to Brown Company, Berlin, N. H. Pumping mechanism. 1,691,744; Nov. 13.
- Van Atta Hardware Company, The. (See Burk, Clarence E., assignor.)
- Van Atta, Jeff D., Winslow, Ariz. Drain valve. 1,659,126; Feb. 14.
- Vanatta, Willis N., Ontario, Calif., assignor to Edison Electric Appliance Company, Inc., Chicago, Ill. Electric heater. 1,661,862; Mar. 6.
- Van Auken, Lloyd E., Lemon Grove, Calif. Automatic weather strip for doors and the like. 1,691,315; Nov. 13.
- Van Ausdall, Roy, Reiley, Ohio. Advertising device. 1,688,566; Oct. 23.
- Van Beck, Hendrik J., Amsterdam, Netherlands. Writing machine. 1,657,422; Jan. 24.
- Van Berkel, Cornelis F. M., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Clamp for slicing machines. 1,673,381; June 12.
- Van Berkel, Cornelis F. M., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slice stacker. 1,674,381; June 19.
- Van Berkel, Cornelis F. M., Wassenaar, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 1,687,072; Oct. 9.
- Van Berkel, Cornelis F. M., Wassenaar, assignor to Naamloze Vennootschap Maatschappij tot Vernardiging van Snijmachines volgens van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Computing scale. 1,695,620; Dec. 18.
- Van Bloem, Paul S., Great Neck, assignor to Viking Products Corporation, New York, N. Y. Elevator signal panel. Des. 76,365; Sept. 18.
- Van Bloem, Paul S., Great Neck, assignor to Viking Products Corporation, New York, N. Y. Elevator signal panel. Des. 76,436; Sept. 25.
- Van Bourgoinne, Constant A., Bergerhout-Antwerp, Belgium. Elastic wheel. 1,696,741; Dec. 25.
- Van Brece, Hubert, assignor to Racine Electric Company, Racine, Wis. Clipper. 1,690,801; Nov. 6.
- Van Brimer, George, H. A. Magrath, J. Klancher, and B. Soots, Pueblo, Colo. Safety reverse ratchet brake. 1,679,281; July 31.
- Van Bronk, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Berlin, Germany. Frequency multiplier. 1,678,965; July 31.
- Van Brunt, John, Flushing, assignor to Combustion Engineering Corporation, New York, N. Y. Furnace-grate structure. 1,670,642; May 22.
- Van Brunt, John, Flushing, assignor to Combustion Engineering Corporation, New York, N. Y. Chain grate. 1,692,598; Nov. 20.
- Van Brunt, John, Flushing, assignor to Combustion Engineering Corporation, New York, N. Y. Traveling chain grate. 1,693,628; Dec. 4.
- Van Brunt, Willard A., Los Angeles, Calif., assignor to Deere & Company, Moline, Ill. Bearing. 1,692,007; Nov. 20.
- Van Brunt, Willard A., Los Angeles, Calif., assignor to Deere & Company, Moline, Ill. Bearing. 1,692,008; Nov. 20.
- Van Buren, Chester G., Chicago, Ill. Loose-leaf binder. 1,690,317; Nov. 6.
- Van Buren, John, Brooklyn, N. Y. Sealing mechanism for containers. 1,677,259; July 17.
- Van Buren, John, Brooklyn, N. Y. Sealing method and mechanism for containers. 1,679,591; Aug. 7.
- Van Buren, John, Brooklyn, N. Y. Feeding mechanism. 1,691,947; Nov. 20.
- Van Buren, John, Brooklyn, N. Y. Wrapping and labeling machine. 1,696,020; Dec. 18.
- Van Buskirk, Leshor W., Clinton, N. J. Rocker bearing. 1,693,416; Nov. 27.
- Van Campen, Jonah H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rolling mill. 1,664,141; Mar. 27.
- Vance, Albert J., Chicago, Ill. Collapsible box. 1,658,954; Feb. 14.
- Vance, Arthur J., Painesville, Ohio. Drier for sheet material. 1,674,349; June 19.
- Vance, Arthur J., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drier for veneer, wall board, and the like. 1,656,802; Jan. 17.
- Vance, Arthur J., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drier for sheet material. 1,675,284; June 26.
- Vance, Arthur J., assignor to The Coe Manufacturing Company, Painesville, Ohio. Drier for veneer and sheet material. 1,675,285; June 26.
- Vance, Eleanor P. (See Yale, C. L., and Vance.)
- Vance, George M. (See Neller, J. R., and Vance.)
- Vance, John W., Detroit, Mich. Punching apparatus for radiators. 1,671,619; May 29.
- Vance, Robert F., Hardy, Ark. Foldable rocking-chair. 1,672,437; June 5.
- Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Shelf and rack door hinge. 1,659,305; Feb. 14.
- Vance, Walter N., assignor to Durand Steel Locker Company, Chicago Heights, Ill. Shelf rack. 1,680,960; Aug. 14.
- Van Cleave, William F., assignor of one-half to R. M. Barnhart, Dallas, Tex. Fuselage for aeroplanes. 1,677,535; July 17.
- Van Cleef Brothers. (See Van Cleef, Paul, assignor.)
- Van Cleef, Paul, assignor to Van Cleef Brothers, Chicago, Ill. Knife. 1,656,404; Jan. 17.
- Van Daam, Gerrit, Kenmore, N. Y. Stool. 1,679,696; Aug. 7.
- Vandam, Albert H., assignor to Turner & Vandam, New York, N. Y. Washable fabric. 1,660,224; Feb. 21.
- Van de Carr, Charles R., jr., Quebec, Quebec, Canada. Method and apparatus for regulating the consistency of pulp stock and the like. 1,665,425; Apr. 10.
- Van den Bergh, Samuel J., assignor to the firm: N. V. Nederlandsche Instrumenten Compagnie, Haag, Netherlands. Antiaircraft fire-control apparatus. 1,663,575; Mar. 27.
- Van den Ende, Thomas, Maasdijk, Netherlands. Planting machine for cabbage and other plants. 1,689,262; Oct. 30.
- Van de Putte, Jean, Assche, near Brussels, Belgium. Track clearer for vehicles. 1,688,476; Oct. 23.
- Van Derbeck, Stephen G., Hackensack, N. J. Windshield wiper. 1,685,037; Sept. 18.
- Vander Wee, George R., Detroit, Mich. Saw. 1,600,803; Nov. 6.
- Vanderbeek, Herbert, assignor to The Timken Roller Bearing Company, Canton, Ohio. Centerless grinding machine. 1,669,728; May 15.
- Vanderbilt, R. T., Company. (See Alton, William H., assignor.)
- Vanderbilt, R. T., Company. (See Chamberlain, George D., assignor.)
- Vanderkiet, Nicholas, et al. (See Whitcomb, L. K., jr., and Vanderkiet.)
- Van der Kley, Francesca, New York, N. Y. Beauty case. 1,663,224; Mar. 20.
- Vanderlip, Louis C., Elkhart, Ind. Hood clamp for automobiles. 1,664,581; Apr. 3.
- Vanderlip, Louis C., Elkhart, Ind. Hood clamp for automobiles. 1,686,886; Oct. 9.
- Van der Luft, Alexander, St. Paul, Minn. Mechanism for rolling storage-battery grids. 1,669,179; May 8.
- Van der Meer, A. E. M., Chelsea, London, assignor to Thermo Path Company Limited, London, England. Electric heater. 1,665,941; Apr. 10.

- Van der Poel, Johannes M., Eindhoven, Netherlands, assignor to General Electric Company. Exhaust machine. 1,676,302; July 10.
- Van der Pol, Balthazar, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Incandescent cathode. 1,682,642; Aug. 28.
- Vanderput, Anthony, Paterson, N. J., assignor of one-half to J. C. Hinchliffe, jr. Meat-roll-forming machine. 1,664,337; Mar. 27.
- Vanderveer, Herbert E., Denver, Colo., assignor to The Clymer Manufacturing Company. Vehicle spotlight. 1,656,457; Jan. 17.
- Vanderveld, Anthony. (See Morris, E., and Vanderveld.)
- Vanderveld, Anthony, assignor of one-half to H. B. Parrish, Grand Rapids, Mich. Pedestal mounting. 1,676,508; July 10.
- Vanderveld, Anthony, assignor of one-half to H. B. Parrish, Grand Rapids, Mich. Cloth-measuring machine. 1,676,587; July 10.
- Van Der Vliet, Menno, assignor to International Harvester Company, Chicago, Ill. Tension-adjusting device. 1,667,862; Apr. 24.
- Van Dervort, Adrian O., Troy, N. Y. Method and apparatus for resurfacing worn or pitted surfaces. 1,688,212; Oct. 16.
- Van Deusen, Henry M., Westfield, Mass. Mop. 1,688,948; Oct. 23.
- Vandevelde, Paul V., Corona, N. Y. Burglar-alarm mounting. 1,667,018; Apr. 24.
- Van Deventer, Harry R., New York, N. Y. Windshield wiper. 1,686,673; Oct. 9.
- Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,661,351; Mar. 6.
- Van Deventer, Harry R., New York, N. Y., assignor to Dubilier Condenser Corporation. Testing device. 1,662,548; Mar. 13.
- Van Deventer, Harry R., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Control means for electric cooking devices. 1,669,501; May 15.
- Van Deventer, Harry R., New York, N. Y., assignor to Dubilier Condenser Corporation. Resistor. 1,683,059; Sept. 4.
- Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical device. 1,684,461; Sept. 18.
- Van Deventer, Harry R., Pittsburgh, Pa., assignor, by mesne assignments, to Excel Products Corporation. Vehicle signal switch. 1,674,027; June 19.
- Van Deventer, Harry R., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,691,911; Nov. 13.
- Van Deventer, Harry R., and R. M. Warren, New York, N. Y.; said Warren assignor to said Van Deventer, assignor, by mesne assignments, to Excel Products Corporation. Switch box. 1,674,028; June 19.
- Vande Water, Frank C., and F. R. Sunderman, assignors to petroleum Laboratories Inc., Newburgh, N. Y. Oil-cracking apparatus. 1,655,030; Jan. 3.
- Van Dine, William H. (See Ford, L. G., and Van Dine.)
- Van Dinter, George L. (See Bradley, C. E., and Van Dinter.)
- Vandivier, James R., Franklin, Ind. Unitary accelerator and brake controller. 1,671,797; May 29.
- Vandiver, Leslie A., Kansas City, Mo. Coin-controlled mechanism for vending machines. 1,662,221; Mar. 13.
- Van Doorn, Edward C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture film strip. 1,687,048; Oct. 9.
- Van Dorn Electric Tool Company, The. (See Connell, Edwin L., assignor.)
- Van Dorn Electric Tool Company, The. (See Schneider, F., and Connell, assignors.)
- Van Dorn Electric Tool Company, The. (See Sweet, Burton W., assignor.)
- Van Dorn, Herbert E., Chicago, Ill. Combined cross-connecting switch and coupler for electrical and auxiliary air lines. 1,660,180; Feb. 21.
- Van Dorn, Herbert E., Chicago, Ill. Electric coupler. 1,659,551; Feb. 14.
- Van Dorn, Herbert E., Chicago, Ill. Train-line coupler. 1,667,297; Apr. 24.
- Van Dorn, Herbert E., Chicago, Ill. Railway drawbar. 1,667,298; Apr. 24.
- Van Dorn Iron Works Company, The. (See Anderson, John R., assignor.)
- Van Dorn Iron Works Company, The. (See Brackett, Bluford W., assignor.)
- Van Dorn Iron Works Company, The. (See Dunbar, Robertson, assignor.)
- Van Dorn Iron Works Co., The. (See Whitehouse, John T., assignor.)
- Van Duzer, Lyle J., Los Angeles, Calif. Liquid-level indicator. 1,679,451; Aug. 7.
- Van Duzer, Wilson W., Warwick, N. Y. Door latch. 1,657,423; Jan. 24.
- Van Ee, Willem, and W. J. Geist, Long Beach, Calif. Tubing roller. 1,667,500; Apr. 24.
- Van Epps, Theodore C., Los Angeles, Calif. Tide-operated air compressor. 1,693,125; Nov. 27.
- Van Essen, Pieter D., the Hague, Netherlands, assignor to Bethlehem Steel Company. Safety high-explosive impact fuse. 1,687,484; Oct. 9.
- Van Es, John. (See Moecker, H., jr., and van Es.)
- Van Etten, William V., Everett, Wash. Bracket for dirigible spotlights. 1,660,057; Feb. 21.
- Van Effen, William V., Everett, Wash. Dirigible spotlight for automobiles. 1,686,996; Oct. 9.
- Van Etten, William V., Everett, Wash. Dirigible-spotlight mounting. 1,692,101; Nov. 20.
- Vanetti, Carlo, Milan, Italy. Prevention of cracking of castings. 1,667,642; Apr. 24.
- Van Fleet Company, The. (See Lang, Alfred A., assignor.)
- Van Gale, Louis, Astoria, N. Y. Lamp socket. 1,682,944; Sept. 4.
- Van Geem, Delmar. (See Van Geem, John, assignor.)
- Van Geem, John, assignor of one-half to D. Van Geem, Erie, Pa. Bottle crate. 1,693,165; Nov. 27.
- Van Gelderen, Frederik M., Enschede, Netherlands. Insulating cap for the joints of electrical conductors. 1,678,752; July 31.
- Van Genderen, Cornelius, Denver, Colo. Hot-air furnace. 1,660,364; Feb. 28.
- Van Guilder, Walter, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vehicle searchlight mounting. 1,676,750; July 10.
- Van Gunten, Irvin W., Toledo, Ohio. Automobile radiator decoration. Des. 74,813; Mar. 27.
- Van Haasteren, Johannes M., assignor to Naamlooze Venootschap, "De Kormmeet", Schiedam, Netherlands. Can-body-forming machine. 1,663,892; Mar. 27.
- Van Halteren, Andrew S., East Lansing, assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Filling spokes. 1,660,535; Feb. 28.
- Van Hamersveld, John J. N., assignor to The Warner and Swasey Company, Cleveland, Ohio. Clutch-operating mechanism. 1,657,098; Jan. 24.
- Van Hamersveld, John J. N., assignor to The Warner and Swasey Company, Cleveland, Ohio. Turret mechanism for machine tools. 1,666,187; Apr. 17.
- Van Hamersveld, John J. N., assignor to The Warner and Swasey Company, Cleveland, Ohio. Automatic single-spindle-chucking machine. 1,691,595; Nov. 13.
- Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner and Swasey Company, Cleveland, Ohio. Attachment for machine tools for turning and boring irregular surfaces. 1,659,385; Feb. 14.
- Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner and Swasey Company, Cleveland, Ohio. Tool holder for machine tools. 1,659,386; Feb. 14.
- Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner and Swasey Company, Cleveland, Ohio. Way-guard construction for machine tools. 1,674,145; June 19.
- Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner and Swasey Company, Cleveland, Ohio. Taper-turning attachment for machine tools. 1,680,074; Aug. 7.
- Van Hamersveld, John J. N., Cleveland Heights, assignor, by mesne assignments, to The Rotor Air Tool Company, Cleveland, Ohio. Governor-controlled fluid-pressure tool. 1,674,579; June 19.
- Van Heusen, John M., Boston, Mass. Fabric hat and making the same. 1,682,870; Sept. 4.
- Van Hise, Lester E., Altadena, assignor to J. V. Baldwin, Los Angeles, Calif. Internal-combustion engine. 1,671,388; May 29.
- Van Hise, Lester E., Altadena, assignor to J. V. Baldwin, Los Angeles, Calif. Fuel-feed system for internal-combustion engines. 1,676,751; July 10.
- Van Hise, Lester E., Los Angeles, Calif.; said Van Hise assignor to J. V. Baldwin. Internal-combustion engine. 1,676,811; July 10.
- Van Hise, Lester E., Altadena, assignor to J. V. Baldwin, Los Angeles, Calif. Fluid elevating and feeding means. 1,686,887; Oct. 9.
- Van Hoofstadt, Edward. (See Greenbaum, L., Van Hoofstadt, and Gustavson.)
- Van Hoozer, Cora M., Iola, Kans. Statuette. Des. 76,332; Sept. 11.
- Van Horn, Charles B., Philadelphia, Pa. Compressor. 1,668,664; May 8.
- Van Horn, Irving H., and W. A. Pipkin, East Cleveland, Ohio, assignors to General Electric Company. Automatic cut-out for electric incandescent lamps. 1,687,530; Oct. 16.
- Van Horn, Irving H., East Cleveland, Ohio, assignor to General Electric Company. Base for incandescent lamps or similar articles. 1,694,997; Dec. 11.
- Van House, Alanson C., Oakland, Calif. Push-button faucet. 1,682,154; Aug. 28.
- Van Huffel, Isadore J., Warren, Ohio. Electrical welding apparatus. 1,667,178; Apr. 24.
- Van Husen, Norman. (See Jandus, H. S., and Van Husen.)
- Van Kirk, Erwin, Lawrenceville, Ill. Portable fireplace. 1,670,223; May 15.
- Van Korlaar, Wynand, Grand Rapids, Mich. Check-sorting rack. 1,664,650; Apr. 3.
- Van Lammeren, Willem P., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind. Clamp for slicing machines. 1,692,359; Nov. 20.
- Van Leuven, David L., Eastmont, Calif. Running gear. 1,655,481; Jan. 10.
- Van Lith, Edward A. P., Holyoke, Mass. Headlight closure for motor vehicles. 1,683,503; Sept. 4.

- Van Loon, Christiaan, Dordrecht, Netherlands. Preparing alkali-metal alcoholates of compounds containing alcoholic hydroxyl groups. 1,681,600; Aug. 21.
- Van Maercke, Joseph. (See Van Steenkiste, J., and Van Maercke.)
- Van Malderghem, Yvon, La Louviere, Belgium. Balanced chassis with independent suspension for automobile vehicles and the like. 1,667,754; May 1.
- Van Meter, Roy J., Sturgis, Mich., assignor to The Superheater Company, New York, N. Y. Exhaust-steam-pressure control for injectors. 1,680,075; Aug. 7.
- Van Ness, Frank E. and F. H., Chicago, Ill., assignors, by mesne assignments, to L. D. Block. Automobile signaling mechanism. 1,675,070; June 26.
- Van Ness, Frederick H. (See Van Ness, Frank E. and F. H.)
- Vannette, Adair B., et al. (See Vannette, Jasper, assignor.)
- Vannette, Jasper, assignor of one-third to V. V. Vannette and one-third to A. B. Vannette, Tiffin, Ohio. Lawn mower. 1,654,767; Jan. 3.
- Vannette, Verne V., et al. (See Vannette, Jasper, assignor.)
- Vannini, Philipp, Zug, Switzerland, assignor to Landis & Gyr A.-G. Protective housing for electrical devices. 1,692,875; Nov. 27.
- Vann-Moore Mills Company. (See Parker, Samuel P., assignor.)
- Van Noorden, Ezekiel, Brookline, Mass. Ventilator. 1,671,171; May 29.
- Van Nostrand, Arleigh N., Flushing, assignor to Telautograph Corporation, New York, N. Y. Telautograph system. 1,673,928; June 19.
- Vannote, Howard B., Brooklyn, N. Y. Method and machine for producing printing ribbons. 1,673,958; June 19.
- Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Refrigeration. 1,696,558; Dec. 25.
- Van Orden, William H. (See Nagin, H., and Van Orden.)
- Van Orman, Ward T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Leakproof tank cover. 1,662,018; Mar. 6.
- Van Osdel, William J., Chicago, Ill. Clipper. 1,682,447; Aug. 28.
- Van Osdel, William J., Chicago, Ill. Clipper. 1,695,516; Dec. 18.
- Van Patten, Paul F., Detroit, Mich., assignor to S. H. Campbell, St. Louis, Mo. Golfing tee. 1,692,233; Nov. 20.
- Van Pelt, Arnold F. (See Fischer, F. and Van Pelt.)
- Van Putten, James H. and J. H. Sharpe, New York, N. Y. Tire covering. 1,680,961; Aug. 14.
- Van Rennes, Cornelis, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Air-bag valve. 1,694,872; Dec. 11.
- Van Rensselaer, Kiliaen M. (See Swanson, H. R., and Van Rensselaer.)
- Van Rijswijk, Willem. (See Baumann, A., and van Rijswijk.)
- Van Ryan, Tony, and A. Alsaker, assignors to The Delta-Star Electric Company, Chicago, Ill. Adjustable locking bearing. 1,693,126; Nov. 27.
- Van Sant, Leport R., Peoria, Ill. Fuel-burning system. 1,661,450; Mar. 6.
- Van Sant, Leport R., Peoria, Ill. Fuel-burning system. 1,669,958; May 15.
- Van Sant, Robert H. (See Bardach, L. H., and Larson, assignors.)
- Van Sant, Robert H., Chicago, Ill. Toothbrush. 1,691,863; Nov. 13.
- Van Sickels, John H., assignor to General Cigar Company Limited, Montreal, Quebec, Canada. Display case. 1,655,346; Jan. 3.
- Vansickle, Fred M., assignor of one-half to L. Gutches. Clackamas, Oreg. Vehicle signal. 1,654,564; Jan. 3.
- Vansickle, Melvin E., assignor, by mesne assignments, to Brandes Laboratories Inc., Newark, N. J. Gearing for instrument dials. 1,667,575; Apr. 24.
- Van Sickle, Wilton, Lincoln, Nebr. Server for slices of bread and the like. 1,677,938; July 24.
- Van Sicklen, Norton H., Jr., Geneva, assignor to The Elgin Clock Company, Elgin, Ill. Container and mounting therefor. 1,657,049; Jan. 24.
- Van Sluys, Adolph C., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Apparatus for breaking the dried coating on sheet material. 1,674,580; June 19.
- Van Steenkiste, Joseph, and J. Van Maercke, Wevelghem, Belgium. Scutching machine. 1,661,316; Mar. 6.
- Van Stone, Edward P., Reading, assignor to General Alloys Company, Boston, Mass. Box for use at high temperatures. 1,679,510; Aug. 7.
- Van Stone, Edward P., Reading, assignor to General Alloys Company, Boston, Mass. Retort. 1,689,808; Oct. 30.
- Van Tassel Company. (See Dunham, Henry V., assignor.)
- Vantine, A. A., & Co. (See Poses, Jack I., assignor.)
- Van Tuyt, Frank F., Ann Arbor, Mich. Apparatus for electrically treating liquids. 1,668,293; May 1.
- Van Valkenburg, Eber H., McKeesport, Pa., assignor of one-half to O. Silverstein, Spokane, Wash. Control mechanism. 1,661,586; Mar. 6.
- Van Valkenburg, Eber H., McKeesport, Pa., assignor of one-half to O. Silverstein, Spokane, Wash. Landing gear. 1,677,418; July 17.
- Van Valkenburg, Frederick D. (See Blades, A., and Van Valkenburg.)
- Van Valkenburg, L. D., Company. (See Van Valkenburg, Wallace L., assignor.)
- Van Valkenburg, Wallace L., assignor to L. D. Van Valkenburg, Company, Holyoke, Mass. Spring clip for holding leather. 1,675,286; June 26.
- Van Valkenburgh, George H., Nashville, Tenn. Filing device. 1,667,576; Apr. 24.
- Van Valkenburgh, Richard M., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Binder. 1,662,874; Mar. 20.
- Van Valkenburgh, Richard M., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder. 1,673,851; June 19.
- Van Veen, Anton, West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Machine for twisting wires with material therebetween. 1,691,094; Nov. 13.
- Van Veen, Anton, West Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Wire-bending machine. 1,667,911; May 1.
- Van Veen, Anton, Hartford, and H. H. Fitzgerald, Berlin, assignors to The Fuller Brush Company, Hartford, Conn. Trimmer. 1,693,263; Nov. 27.
- Van Veen, Anton, assignor to The Fuller Brush Company, Hartford, Conn. Marking machine. 1,694,955; Dec. 11.
- Van Vloten, Pieter V., The Hague, Netherlands, and E. Klebert, Berlin-Karlshorst, Germany, assignors to Naamloze Vennootschap Machinerieën en Apparaten Fabrieken, Utrecht, Netherlands. Flying-machine landing light. 1,654,621; Jan. 3.
- Van Voorhis, George S., Brookline, Mass. Closure means for tobacco pouches and other containers. 1,692,969; Nov. 27.
- Van Vranken, Jasper I., Winona, Minn. Coin-carrier print protector. 1,687,810; Oct. 16.
- Van Wagner, Paul, New York, N. Y., assignor to Linn Material Co., South Milwaukee, Wis. Electrical appliance. 1,661,712; Mar. 6.
- Van Wienen, Pieter H., Hamburg, Germany. Convertible skimming boat or like water craft. 1,665,149; Apr. 3.
- Van Zee, Anthony H., Orange City, Iowa. Generation and ignition control device. 1,658,820; Feb. 14.
- Van Zyl, Cornelius, Sheldon, Iowa. Machine for stapling chick boxes. 1,676,718; July 10.
- Vapor Heating Company. (See Birnstock, William W., assignor.)
- Vapor Car Heating Company. (See Gillick, Lawrence H., assignor.)
- Vapor Car Heating Company. (See Gold, E. H., and Russell, assignors.)
- Vapor Car Heating Company. (See Miller, D. W., and Parks, assignors.)
- Vapor Car Heating Company. (See Parks, Paul B., assignor.)
- Vapor Car Heating Company. (See Russell, Edward A., assignor.)
- Vapor Car Heating Company. (See Russell, E. A., and Stenzel, assignors.)
- Varaud, André, Geneva, Switzerland. Mechanical fuse for artillery projectiles. 1,665,899; Apr. 10.
- Varaud, André, Geneva, Switzerland. Mechanical fuse for artillery projectiles. 1,695,070; Dec. 11.
- Varaud, André, Geneva, Switzerland. Percussion fuse for projectiles subjected to a rotary movement around their axis during their trajectory. 1,666,672; Apr. 17.
- Vargo, Joseph. (See Vass, Gabor, assignor.)
- Varityper, Incorporated. (See Wheeler, Arthur S., assignor.)
- Variva, Stephan, Whiting, Ind. Rail-straightening device. 1,668,031; May 1.
- Varkas, Aris, N., and J. B., and J. Paxon, Boise, Idaho. 1,667,335; Apr. 24.
- Varkas, James B. (See Varkas, Aris, N., and J. B., and Paxon.)
- Varkas, Nick. (See Varkas, Aris, N., and J. B., and Paxon.)
- Varker, Newton, J. T. Kemps, and C. H. Bartlett, Cubi City, Wis. Stepladder. 1,661,587; Mar. 6.
- Varley Duplex Magnet Company. (See Varley, Richard, assignor.)
- Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Timer. 1,655,803; Jan. 10.
- Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Motor-driven vehicle. 1,658,911; Feb. 14.
- Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Coil mounting. 1,659,062; Feb. 14.
- Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Co. Adjustable coil mounting. 1,662,765; Mar. 13.
- Varndell, Sydney H., Clapham, assignor to Lockerbie and Wilkinson Birmingham Limited, Tipton, England. Machine for delivering articles. 1,672,236; June 5.
- Varndell, Sydney H., Clapham, assignor to Lockerbie and Wilkinson, Birmingham Limited, Tipton, England. Coin-freed mechanism. 1,673,096; June 12.
- Varner, Howard C., and J. M. Koch, St. Joseph, Mo. Automobile signal-controlling mechanism. 1,663,740; Mar. 27.
- Varner, Sallie, Elton, Pa. Power-driven cleaning device. 1,689,166; Oct. 23.

- Varney, Ernest B., Pueblo, Colo. Wire-bending pliers. 1,666,801; Apr. 17.
- Varney, Theodore, Sewickley, assignor to Aluminum Company of America, Pittsburgh, Pa. Suspension link for overhead contact wires and using same. 1,668,346; May 1.
- Varney, Theodore, Sewickley, assignor to Aluminum Company of America, Pittsburgh, Pa. Protecting aerial cables. 1,671,659; May 29.
- Varnum, Arthur C. and J. E. Birdsall, Southbridge, Mass. Thread-clamping mechanism for looms. 1,655,882; Jan. 10.
- Varoutsos, George J., Lowell, Mass. Signal-operating means. 1,682,643; Aug. 28.
- Vartanian, Frank D., Portland, Me. Lighting apparatus for gas burners. 1,666,610; Apr. 17.
- Varusky, John J., assignor to Carter-Mayhew Manufacturing Co., Minneapolis, Minn. Scalper. 1,685,512; Sept. 25.
- Varusky, John J., assignor to Carter-Mayhew Manufacturing Co., Minneapolis, Minn. Reclaiming attachment for scalpers. 1,690,513; Nov. 6.
- Vasel, Gustav A., Philadelphia, Pa. Ink-grinder-adjusting attachment. 1,656,547; Jan. 17.
- Vass, Gabor, assignor of one-half to J. Vargo, Cleveland, Ohio. Roller skate. 1,672,700; June 5.
- Vassallo y Valladares, Sergio J., Habana, Cuba. System of Signals. 1,672,589; June 5.
- Vassar, Hervey S., Bloomfield, N. J. Refrigeration. 1,693,357; Nov. 27.
- Vassar Swiss Underwear Co. (See Rutledge, George E., assignor.)
- Vasselli, Anthony J., Newark, N. J., assignor, by mesne assignments, to Zenith Radio Corporation, Chicago, Ill. Automatic radio station finder. Re17,022; June 19.
- Vasselli, Anthony J., Newark, N. J., assignor, by mesne assignments, to Columbia Phonograph Company, Bridgeport, Conn. Phonograph record and making the same. 1,665,759; Apr. 10.
- Vaszin, Aurel, Dayton, Ohio. Vehicle. 1,664,437; Apr. 3.
- Vaszin, Aurel, assignor to The Dayton Funhouse & Riding Device Mfg. Company, Dayton, Ohio. Amusement device. 1,685,577; Sept. 25.
- Vattenborg Systems Inc. (See Myres, Robert W., assignor.)
- Vaclair, Jacques L., Haverford, R. K. Wright, Upper Darby, and H. F. Transue, Lansdowne, assignors to The Baldwin Locomotive Works, Philadelphia, Pa. Time-controller riveter. 1,672,701; June 5.
- Vaughan, Conrad, assignor to The Permod Company, Cleveland, Ohio. Mold and method of casting. 1,663,286; Mar. 20.
- Vaughan, Frank P., assignor to Bay West Paper Co., Green Bay, Wis. Carton. 1,678,370; July 24.
- Vaughan, Howard A., Chicago, Ill. Game. 1,661,711; Mar. 6.
- Vaughan, Howard R., Victoria, Va. Torch. 1,663,064; Mar. 20.
- Vaughan, Olivia E., Newark, N. J. Tennis-racket carrier. 1,665,900; Apr. 10.
- Vaughan-Sherrin, John, Ruckinge, England. Secondary battery. 1,663,741; Mar. 27.
- Vaughan, Thomas M., Salem, assignor of one-half to H. F. Schumacher and one-half to C. E. Schumacher, Hartsville, Ohio. Adjustable screen and making same. 1,656,875; Jan. 17.
- Vaughan, Victor G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for electric ranges. 1,657,521; Jan. 31.
- Vaughan, Victor G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for radiant heaters. 1,680,401; Aug. 14.
- Vaughan, Victor G., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic material. 1,678,889; July 31.
- Vaughan, Victor G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Waffle iron. 1,680,402; Aug. 14.
- Vaughan, Victor G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,682,448; Aug. 28.
- Vaughan, Victor G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Thermostatic device. 1,689,809; Oct. 30.
- Vaughan, Victor G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric air heater. 1,695,870; Dec. 18.
- Vaughn, Anna B., administratrix. (See Vaughn, Thomas E.)
- Vaughn, Fred B., Maywood, and I. Thomas, Whittier, Calif. Well-production apparatus. Re16,980; May 29.
- Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Laterally-adjustable excavator-boom structure. 1,689,981; Oct. 30.
- Vaughn, Joseph V., De Land, Fla. Comb. 1,663,468; Mar. 20.
- Vaughn, Sidney P., U. S. Navy, Choctaw County, Miss., assignor to Surface Combustion Company, New York, N. Y. Apparatus for burning explosive gaseous mixtures. 1,677,156; July 17.
- Vaughn, Stanley I., Hempstead, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Beam. 1,682,202; Aug. 28.
- Vaughn, Thomas E., deceased, Crafton, Pa.; A. B. Vaughn, administratrix. Arm developer. 1,658,108; Feb. 7.
- Vaughn, Thomas L., jr., Charlotte, N. C. Safety fuse. 1,678,131; July 24.
- Vaughn, Versal V., Los Angeles, Calif. Trimmer. 1,657,502; Feb. 7.
- Vaughn, Versal V., Los Angeles, Calif. Battery-terminal adapter. 1,687,262; Oct. 9.
- Vaughn, Versal V., Los Angeles, Calif. Trimming tool. 1,692,911; Nov. 27.
- Vaught, Keith J., San Diego, Calif. Fence tool. 1,665,760; Apr. 10.
- Vaupel, Albert, Berlin-Grunewald, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Protecting high-tension lines against flashovers. 1,691,316; Nov. 13.
- Vautrin, Fernand E., Cleveland, Ohio. Figure wheeled toy. 1,695,475; Dec. 18.
- Vaux, Frederick J., Lancaster, Pa. Boiler. 1,671,846; May 29.
- Vawter, Charles E., Philadelphia, Pa. Fuel gauge for motor vehicles. 1,681,314; Aug. 21.
- Vawter, Charles E., Philadelphia, Pa., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Impedance meter. 1,669,400; May 8.
- Vawter, Charles E., Philadelphia, Pa., assignor to Dubilier Condenser Corporation, New York, N. Y. Resistance device and making same. 1,683,060; Sept. 4.
- Vawter, Charles E., Philadelphia, Pa., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical resistance. 1,694,149; Dec. 4.
- Vawter, John M., assignor to Shadberg Company, Indianapolis, Ind. Pump. 1,670,944; May 22.
- Vazcane Process, Inc. (See Vazquez, Eugenio A., assignor.)
- Vazquez, Eugenio A., Habana, Cuba, assignor to Vazcane Process, Inc. Simultaneously making sugar and paper pulp from cane. 1,688,904; Oct. 23.
- Vazquez, Eugenio A., Habana, Cuba, assignor to Vanzcane Process, Inc. Apparatus for simultaneously making sugar and paper pulp from cane. 1,688,905; Oct. 23.
- Vazquez, Jose M., Summit, Ill. Pump. 1,673,428; June 12.
- Veale, George W., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Vehicle bumper. Des. 74,400; Feb. 7.
- Veale, George W., assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Automobile bumper. 1,689,464; Oct. 30.
- Veale, George W., Cleveland Heights, assignor to The Eaton Axle & Spring Company, Cleveland, Ohio. Bumper. 1,695,786; Dec. 18.
- Veazey, William R., Cleveland Heights, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy and making same. 1,663,963; Mar. 27.
- Veazey, William R., Cleveland Heights, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Pulverizing and alloying nickel. 1,680,825; Aug. 14.
- Veazey, William R., Cleveland Heights, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy and making same. 1,685,653; Sept. 25.
- Veber, Georges, assignor to Société des Etablissements Singrün, Epinal, France. Change-speed gear box or universal divisor. 1,662,688; Mar. 13.
- Vec Products Company. (See Slauson, Stephen A., assignor.)
- Vecchi, Emilio E., Des Moines, Iowa. Emergency device for automobiles. 1,661,641; Mar. 6.
- Vecchio, Vincent, Brooklyn, N. Y. Furnace attachment. 1,668,577; May 8.
- Vedder, Bernhardt F. P., Milwaukee, Wis. Reel for electric irons. 1,672,509; June 5.
- Vedder, John W., Worcester, Mass. Stone roll. 1,693,358; Nov. 27.
- Vedder, John W., assignor to Rice, Barton & Fales, Inc., Worcester, Mass. Suction box. 1,664,801; Apr. 3.
- Vedder, John W., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Drier driving means. 1,670,832; May 22.
- Veeder-Root Incorporated. (See Slye, Edward A., assignor.)
- Veedip Limited. (See Sutton, Sidney D., assignor.)
- Veenschoten, Vincent V., Erie, Pa. Portable searchlight and mounting therefor. 1,665,803; Apr. 10.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed-water regulator. 1,672,237; June 5.
- Veenschoten, Vincent V., assignor to Northern Equipment Company, Erie, Pa. Feed-water regulator. 1,691,317; Nov. 13.
- Veenstra, Martin, Ada, Mich. Snowplow. 1,681,022; Aug. 14.
- Veglio, Gaetano, Levallois-Perret, assignor to Societe Anonyme Overcau, Paris, France. Resilient suspension for motor vehicles. 1,675,963; July 3.
- Veitch Manufacturing Company. (See Glore, Harry V., assignor.)
- Veitch, Thomas, Bradley Beach, N. J., assignor to forty per cent to P. M. Abrahams and twenty per cent to I. G. Cass, New York, N. Y. Vacuum fuel-feeding device for internal-combustion engines. 1,686,299; Oct. 2.
- Velissaropoulos, John, executor. (See Zalocostas, Demetrios G.)

- Vella, Emanuel N., Detroit, Mich. Bumper for vehicles. 1,655,978; Jan. 10.
- Vellanti, John, West New York, N. J. Illuminated license-plate holder. 1,670,085; May 15.
- Venable, Charles C., assignor to Pennsylvania Forge Company, Philadelphia, Pa. Ring-rolling machine. 1,661,024; Feb. 28.
- Venable, Charles S., Chester, Pa., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Producing carbon black from mixtures of acetylene and other hydrocarbons. 1,669,636; May 15.
- Venable, William M. (See Robin, P. T., and Venable.)
- Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company. Apparatus for handling bulk materials. 1,663,574; Mar. 27.
- Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company. Method of and apparatus for handling, storing, and measuring bulk material into batches. 1,682,872; Sept. 4.
- Venable, William M., assignor to Blaw-Knox Company, Pittsburgh, Pa. Turntable. 1,691,948; Nov. 20.
- Venail, Paul, Paris, France. Power loom for the manufacture of pile fabrics. 1,690,802; Nov. 6.
- Vendôme, Raoul, Paris, France. Atomizer. 1,672,438; June 5.
- Venera Accessories Company. (See Jordanoff, Assen C., assignor.)
- Venera Accessories Company Inc. (See Jordanoff, Assen, assignor.)
- Venn, Henry L., River Forest, assignor to Century Rubber Works, Cicero, Ill. Tire. Des. 77,273; Dec. 18.
- Venn, Henry L., River Forest, assignor to Century Rubber Works, Cicero, Ill. Tire. Des. 77,274; Dec. 18.
- Vennard, William, London, England. Loose-leaf binder. 1,675,394; July 3.
- Vennes, Harold J., assignor to Western Electric Company, Incorporated, New York, N. Y. Current-wave transmission. 1,658,215; Feb. 7.
- Venon, Jules H., New York, N. Y. Goblet or similar article. Des. 74,401; Feb. 7.
- Venon, Jules H., New York, N. Y. Goblet or similar article. Des. 75,083; May 1.
- Venon, Jules H., New York, N. Y. Goblet or similar article. Des. 75,084; May 1.
- Venon, Jules H., New York, N. Y. Plate or similar article. Des. 75,535; June 12.
- Vento Steel Sash Company. (See Nicles, Hiram W., assignor.)
- Ventrella, Michael V., New York, N. Y. Automatic rotary book-display device. 1,666,274; Apr. 17.
- Ventura, Mariano V., et al. (See Crespo, Ernest L., assignor.)
- Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,659,932; Feb. 21.
- Venzie, Frederick M., Philadelphia, Pa. Building element. 1,666,318; Apr. 17.
- Venzie, Frederick M., Philadelphia, Pa. Plaster-block composition. 1,667,019; Apr. 24.
- Venzie, Frederick M., Philadelphia, Pa. Building construction. 1,670,129; May 15.
- Venzie, Frederick M., Philadelphia, Pa. Building structure. 1,672,103; June 5.
- Verare Corporation. (See Warhus, Oliver F., assignor.)
- Veras, Manuel, Brooklyn, N. Y. Holder for nursing bottles. 1,688,765; Oct. 23.
- Verbsky, Charles, Cleveland, Ohio. Truss. 1,658,869; Feb. 14.
- Verdan, Charles, Strasbourg, and L. M. J. Loiseau, Paris, France, assignors to Compagnie Française pour l'Exploitation des Procédés Thompson-Houston and Ateliers J. Carpentier. Signaling system applicable to telegraphy and telemechanical transmission. 1,677,062; July 10.
- Verdich, Hans P., Ellendale, N. Dak. Advertising light. 1,665,426; Apr. 10.
- Verein für Chemische Industrie Aktiengesellschaft. (See Walter, Hans, assignor.)
- Vereinigte Schuhfabriken Bemeis-Wessels Aktiengesellschaft. (See Schubart, Benno, assignor.)
- Vereinigte Seidenweberein A. G. (See Esters, Paul, assignor.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Grossweischede, J., and Reichenbecher, assignors.)
- Vereinigte Stahlwerke Aktiengesellschaft. (See Weber, Friedrich W., assignor.)
- Vergeer, Albert W. P., assignor to The T. F. Moore Company, Inc., New York, N. Y. Display device. 1,667,694; Apr. 24.
- Vericeel, Antonie, Bladwin, N. Y., assignor to Doehler Die-Casting Co. Pan or the like. Des. 76,507; Oct. 2.
- Verjrosta, Frank, Silver Lake, Minn. Blocking and cultivating device. 1,663,065; Mar. 20.
- Verlinden, Edmond, Milwaukee, Wis. Combination stop action for organs. 1,664,053; Mar. 27.
- Ver Mehr, John, London, England. Mixing machine. Re-17,067; Aug. 14.
- Vermes, Alexander, S. Stern, and L. Grodzicker, assignors to International Fowl Plucker Corporation, New York, N. Y. Feather-removing apparatus. 1,660,659; Feb. 28.
- Vermes, Alexander, and M. Rubin, New York, N. Y. Combined telephone typewriter. 1,668,094; May 1.
- Vermillion, Charles O., Washington, D. C. Electrical condenser. 1,668,617; May 8.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Co., Inc., Wallingford, Conn. Drapery-pole end. Des. 76,071; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,072; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,073; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,074; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,075; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,076; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,077; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,078; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,079; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,080; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,081; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,082; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,083; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,084; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,085; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,086; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,087; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,088; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,089; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,090; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,091; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,092; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole end. Des. 76,093; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 76,094; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 76,095; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,096; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,097; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,098; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,099; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,100; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,101; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,102; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,103; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,104; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,105; Aug. 14.

- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,106; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,107; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,108; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,109; Aug. 14.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,438; Sept. 25.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole socket. Des. 76,439; Sept. 25.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,723; Oct. 23.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole bracket. Des. 76,724; Oct. 23.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 77,338; Dec. 25.
- Vermillion, Raymond H., Los Angeles, Calif., assignor to H. L. Judd Company, Inc., Wallingford, Conn. Drapery-pole center. Des. 77,339; Dec. 25.
- Vermilye, Sherwood, assignor to Louisville Drying Machinery Co. Inc., Louisville, Ky. Rotary cooler. 1,671,798; May 29.
- Vermont Marble Company. (See Shedd, Frank R., assignor.)
- Vermont Spool & Bobbin Co. (See Wilson, William H., assignor.)
- Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Volume-control apparatus. 1,671,172; May 29.
- Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Telegraph cipher system. 1,686,585; Oct. 9.
- Vernam, Gilbert S., River Edge, N. J., assignor to American Telephone and Telegraph Company. Printing telegraphy. 1,689,263; Oct. 30.
- Vernay, Jean B., Villeurbanne, France. Filtering apparatus. 1,662,726; Mar. 13.
- Vernay, Jean B., Villeurbanne, France. Drying apparatus. 1,681,690; Aug. 21.
- Vernet, Waldemar. (See Isermann, S., and Vernet.)
- Vernet, Waldemar. (See Isermann, S., Vernet, and Moses.)
- Vernet, Waldemar, New York, N. Y. Soap dish. 1,659,644; Feb. 21.
- Vernon, Percy V., Keresley, near Coventry, and R. Jackson, assignors to Alfred Herbert Limited, Butts, Coventry, England. Coal-pulverizing machine. 1,679,997; Aug. 7.
- Vernor, James, Company. (See Doughty, William E., assignor.)
- Verona Tool Works. (See Endsley, Louis E., assignor.)
- Verona Tool Works. (See Hart, William F., assignor.)
- Versare Corporation. (See Warhus, Oliver F., assignor.)
- Versaw, Ernest M., Benton Harbor, Mich. Machine for applying handles to baskets and the like. 1,665,334; Apr. 10.
- Verse, Fritz E., assignor to the firm: Westfälische Metallwarenfabrik G. m. b. H., Iserlohn, Germany. Knob and knoblike device. 1,687,531; Oct. 16.
- Vertrees, John J., Jr., Nashville, Tenn. Air-vent valve for combustion engines. 1,683,504; Sept. 4.
- Vervae, Arthur J., North Haledon, N. J. Loom shuttle motion. 1,692,475; Nov. 20.
- Verville, Alfred V., Dayton, Ohio. Ventilating system. 1,674,535; June 19.
- Verwys, Adrian L. H. and V., Grand Rapids, Mich. Gear-
ing for lathes. 1,660,365; Feb. 28.
- Verwys, Vincent. (See Verwys, Adrian L. H. and V.)
- Vesely, Stanley J., Cedar Rapids, Iowa. Lifting jack. 1,670,328; May 22.
- Vesley, Charles J., Portland, Oreg. Display stand. 1,695,935; Dec. 18.
- Vessy, Clifford W., Cleveland, Ohio, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Package and closure means. 1,661,243; Mar. 6.
- Vest, Clarence D., assignor to A. B. Smith, San Francisco, Calif. Display box. 1,682,449; Aug. 28.
- Vestal, Albert H., et al. (See Malone, Adolph W., assignor.)
- Vester, Alfred Sons, Inc. (See Tennhardt, Elsa, assignor.)
- Vestine, Andrew O., Philadelphia, Pa. Machine for picking poultry. 1,695,128; Dec. 11.
- Vesuvius Crucible Company. (See Jackman, Arthur J., assignor.)
- Vetter, Julius W., Milwaukee, Wis. Truck body for delivering ice cream. 1,664,438; Apr. 3.
- Vetterling, Franz, Wiesbaden, Germany, assignor of one-half to Wollheim, Seidner & Hitzgrath, Inc., New York, N. Y. Insole with insertion of wire netting. 1,659,339; Feb. 14.
- Vezie, Melbourne E., Cushing, Okla. Combined gas and air mixer and burner. 1,654,952; Jan. 3.
- Vezie, Melbourne E., Cushing, Okla. Oil burner. 1,682,644; Aug. 28.
- Viale, Spirito M. (See Smith, F. R., and Viale.)
- Vibber, John, Breckenridge, Mich. Tractor device. 1,676,120; July 3.
- Vibber, Wheeler H., New London, Conn. Strap-type clamp. 1,675,007; June 26.
- Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Electric grounding connection. 1,660,498; Feb. 28.
- Vibber, Wheeler H., assignor of one-half to Gillette-Vibber Co., New London, Conn. Conduit-grounding bushing. 1,660,499; Feb. 28.
- Vibber, Wheeler H., assignor of one-half to The Gillette-Vibber Co., New London, Conn. Electric grounding connection. 1,679,452; Aug. 7.
- Viberg, Ernest R., Montreal, Quebec, Canada. Buffer mechanism for car doors. 1,663,428; Mar. 20.
- Viberg, Ernest R., and A. L. Linderblad, Montreal, Quebec, assignor to Canadian Car and Foundry Company Limited, Montreal, Canada. Direction valve for operating dump cars. 1,687,406; Oct. 9.
- Vicars, Thomas G. (See Wilson, J. L., and Vicars.)
- Vickers, Harry H., Corona, assignor to Underwood Elliott Fisher Company, New York, N. Y. Keyboard attachment for typing and computing machines. 1,673,724; June 12.
- Vickers, Harry H., Corona, assignor, by mesne assignments, to Elliott-Fisher Company, New York, N. Y. Combined typewriting and computing machine. 1,694,932; Dec. 11.
- Vickers Limited. (See Dawson, A. T., and Buckham, assignors.)
- Vickers Limited. (See Dawson, A. T., Bucklam, and White, assignors.)
- Vickers Limited. (See Dawson, A. T., Watt, and Perham, assignors.)
- Vickers Limited. (See Duncan, Thomas S., assignor.)
- Vickers Limited. (See Gray, Percy W., assignor.)
- Vickers Limited. (See Johnson, Frederick G. L., assignor.)
- Vickers Limited. (See Lucas, Owen D., assignor.)
- Vickers Limited. (See Lyne, F. C., and Etchells, assignors.)
- Vickers Limited. (See Ogden, Amos, assignor.)
- Vickers Limited. (See Payn, Harold J., assignor.)
- Vickers Limited. (See Potts, Charles H., assignor.)
- Vickers Limited. (See Pratt, Hartley B., assignor.)
- Vickers Limited. (See Wardle, John, assignor.)
- Vickers Machine Works. (See Sprain, Joseph E., assignor.)
- Vickers, Richard N., Smackover, Ark. Fishing tool. 1,689,702; Oct. 30.
- Vickery, Frederick W., London, England, assignor to Pope Appliance Corporation, Portland, Me. Automatic reel-transferring mechanism for paper-winding machines. 1,655,927; Jan. 10.
- Vickery, Frederick W., London, England, assignor to Vickery Limited, Boston, Mass. Felt-cleaning machine. 1,659,010; Feb. 14.
- Vickery, Harry W., Lynn, Mass., assignor to General Electric Company. Automatic switch. 1,674,489; June 19.
- Vickery, Henry M., Oakland, Calif. Bumper. 1,677,506; July 17.
- Vickery, John L. (See Thomas, D. J., and Vickery.)
- Vickery Limited. (See Vickery, Frederick W., assignor.)
- Victaulic Company. (See Johnson, P. G., and Morgan, assignors.)
- Victor Adding Machine Company. (See Garbell, Max, assignor.)
- Victor, Alexander F., New York, N. Y. Camera casing. Des. 74,639; Mar. 6.
- Victor, Alexander F., Davenport, Iowa. Film container. 1,666,077; Apr. 17.
- Victor, Alexander F., Davenport, Iowa. Camera. 1,682,873; Sept. 4.
- Victor, Frank, Ridgway, Pa. Flush door. 1,694,522; Dec. 11.
- Victor, Harry, et al. (See Scheuer, Alfred A., assignor.)
- Victor, John H., Chicago, Ill. Sporting implement. 1,696,462; Dec. 25.
- Victor, John H., Chicago, Ill., assignor to Victor Manufacturing & Gasket Co. Sheet-packing rack. Des. 76,906; Nov. 13.
- Victor Manufacturing & Gasket Co. (See Oven, Frank J., assignor.)
- Victor Manufacturing & Gasket Co. (See Victor, John H., assignor.)
- Victor Metal Products Corporation. (See Konigsberg, Joseph H., assignor.)
- Victor, Paul F., Chicago, Ill. Automobile heater. 1,669,222; May 8.
- Victor Shoe Machinery Company. (See Johnson, L. E., Hansen, assignors, and McTarnahan.)
- Victor Talking Machine Company. (See Buckle, Horace L., T., assignor.)
- Victor Talking Machine Company. (See Hewitt, Albertis, assignor.)
- Victor Talking Machine Company. (See Kieffer, Eugene T., assignor.)
- Victor Talking Machine Company. (See Kieffer, E. T., and Stevenson, assignors.)
- Victor Talking Machine Company. (See Lane, Albert E., assignor.)
- Victor Talking Machine Company. (See La Rue, William D., assignor.)

- Victor Talking Machine Company. (See Moyer, William W., assignor.)
- Victor Talking Machine Company. (See Murray, Henry H., assignor.)
- Victor Talking Machine Company. (See Smith, George W., Jr., assignor.)
- Victor Valves, Inc. (See Milder, William, assignor.)
- Victor X-Ray Corporation. (See Wantz, Julius B., assignor.)
- Victoreen, John A., Cleveland, Ohio. Coil and making same. 1,674,934; June 26.
- Victorius, A. V., & Company. (See Pickell, Thetus D., assignor.)
- Victorius, Myer L., New York, N. Y. Looper for hosiery. 1,689,465; Oct. 30.
- Victorsohn, Morris, Brooklyn, assignor to Victorson Manufacturing Corporation, New York, N. Y. Cabinet-door hanger. 1,662,048; Mar. 6.
- Victorson Manufacturing Corporation. (See Victorsohn, Morris, assignor.)
- Victory Lamp Company. (See Buccini, Hugo A., assignor.)
- Victory, William J., assignor to New Britain Machine Company, New Britain, Conn. Speed-handle wrench extension. 1,676,370; July 10.
- Vicum, Karl, Erfurt, assignor to G. Spiess, Leipzig, Germany. Sheet feeding and delivery apparatus for platen printing presses. 1,692,597; Nov. 20.
- Vidal, John, Mayaguez, P. R. Cloth-conveying device. 1,657,424; Jan. 24.
- Vidarshof, Eric E., Westby, Wis. Adjustable boring-bar holder. 1,676,937; July 10.
- Vidaaver, Maxwell, New York, N. Y. Letter opener. 1,689,703; Oct. 30.
- Vidor, William H., Maplewood, assignor to Gloria Manufacturing Corp., Newark, N. J. Loud speaker. 1,686,192; Oct. 2.
- Viehmann, Nicholas, Newark, N. J. Clutch. 1,664,439; Apr. 3.
- Viele, Sylvester M., Altoona, Pa. Method of and apparatus for controlling the speed of fluid-actuated engines. 1,674,490; June 19.
- Vierling, Frank J., assignor to Snap-Point Pencil, Inc., Minneapolis, Minn. Pencil. 1,684,274; Mar. 27.
- Vierling, Frank J., assignor to C. G. Irvine, Minneapolis, Minn. Pencil. 1,693,099; Nov. 27.
- Vierling, Frank J., and C. G. Irvine, Minneapolis, Minn.; said Vierling assignor to said Irvine. Pencil. 1,693,100; Nov. 27.
- Viers, Charles O., and L. D. Sheldon, Toledo, Ohio. Door mounting. 1,665,384; Apr. 10.
- Viersen, Ipe A., Okmulgee, Okla. Automobile signal. Des. 74,903; Apr. 10.
- Viet, Paul, Billancourt, France. Automatic starting device for internal-combustion engines. 1,678,753; July 31.
- Viet, Paul, Billancourt, France. Starting arrangement for internal-combustion engines. 1,695,218; Dec. 11.
- Vietti, Joseph M., Clinton, Ind. Swimming pool. 1,685,969; Oct. 2.
- Viewegh, John H., Indianapolis, Ind. Bird cage. 1,680,184; Aug. 7.
- Viewegh, John H., Indianapolis, Ind. Metal-base bird cage. 1,680,185; Aug. 7.
- Virgneron, Adolph T., assignor of one-half to H. B. Virgneron, Providence, R. I. Game-recording board. 1,668,389; May 1.
- Virgneron, Herbert B. (See Virgneron, Adolph T., assignor.)
- Vignolo, Nicholas J., Alameda, Calif. Radio apparatus. 1,660,108; Feb. 21.
- Vignos, Alfred A., assignor to The Novelty Cutlery Company, Canton, Ohio. Key purse. 1,673,475; June 12.
- Vignos, Paul, assignor to The Berger Manufacturing Company, Canton, Ohio. File follower. 1,659,620; Feb. 21.
- Viking Products Corporation. (See Van Bloem, Paul P., assignor.)
- Vila, Frank G. (See Gates, Elisha A., assignor.)
- Vilas Oil Burners Limited. (See Fogarty, Orville A., assignor.)
- Villalpando, Antonio M., Mexico, Mexico. Attachment for revolvers. 1,695,071; Dec. 11.
- Villaret, Gustave E., Leonia, N. J. Chandelier. Des. 77,136; Dec. 4.
- Villaret, Gustave E., Leonia, N. J. Wall bracket for lighting fixtures. Des. 77,137; Dec. 4.
- Villaret, Gustave E., Leonia, N. J., assignor to Globe Lighting Fixture Mfg. Co., Brooklyn, N. Y. Lighting-fixture bracket or article of similar nature. Des. 74,402; Feb. 7.
- Villaret, Gustave E., Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Canopy for lighting fixtures. Des. 74,460; Feb. 14.
- Villaret, Gustave E., Leonia, N. J., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture strap or article of analogous nature. Des. 75,137; May 8.
- Villaret, Gustave E., Leonia, N. J., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture backplate or analogous article. Des. 75,138; May 8.
- Ville, M. A. V. C. G., Compiegne, France. Obtaining adherent and brilliant coats of varnish upon all materials. 1,669,816; May 15.
- Villiger, Walter, and W. Bauersfeld, assignors to Carl Zeiss, a firm, Jena, Germany. Device for projecting stars. 1,693,969; Dec. 4.
- Vilneau, Walter W., et al. (See Vilneau, W. W., and Chittenden, assignors.)
- Vilneau, Walter W., and E. Chittenden, assignors of one-third to H. E. Jensen, one-third to W. P. Goodenough, and one-third to W. W. Vilneau, Palo Alto, Calif. Hardwood-floor-nailing machine. 1,671,660; May 29.
- Vincent, Ainsley J., Lawrence, Mass. Screen-guiding window frame. 1,656,405; Jan. 17.
- Vincent, Eugene T., Boston, Mass. Thermostat mounting. Des. 76,211; Aug. 28.
- Vincent, Eugene T., Boston, Mass. Valve-control apparatus. 1,664,233; Mar. 27.
- Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company. Draft appliance for booster-supplemented locomotives. 1,654,904; Jan. 3.
- Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Booster motor-truck construction. 1,665,335; Apr. 10.
- Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company. Locomotive booster apparatus. 1,676,509; July 10.
- Vincent, Harry S., Ridgewood, N. J., assignor to Franklin Railway Supply Company. Locomotive construction. 1,695,399; Dec. 18.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor cylinder. 1,659,676; Feb. 21.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,661,550; Mar. 6.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,676,369; July 10.
- Vincent, Jesse G., Dayton, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,676,418; July 10.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Boat. 1,682,815; Sept. 4.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,687,911; Oct. 16.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,693,832; Dec. 4.
- Vincent, Laurence A., Pleasantville, assignor to New Castle Refractories Company, New Castle, Pa. Ware support. 1,657,288; Jan. 24.
- Vincent, Perlo, Gloversville, N. Y. Skate. 1,678,579; July 24.
- Vincent, Sidney C., Baltimore, Md. Gas burner. 1,687,356; Oct. 9.
- Vincent, Sidney C., Baltimore, Md. Toy clock. 1,688,766; Oct. 23.
- Vincent, Wallace D., Brooklyn, N. Y. Game apparatus. 1,658,503; Feb. 7.
- Vincent, Walter P., Portland, Me. Wind-actuated novelty. 1,666,548; Apr. 17.
- Vineberg, Samuel S., Winnipeg, Manitoba, Canada. Safety hanger. 1,661,516; Mar. 6.
- Vines, Albert V. (See Stewart, Benjamin F., assignor.)
- Vines, Lewis R. (See Best, E., and Vines.)
- Vinette, George H., Detroit, Mich. Vehicle brake. 1,669,072; May 8.
- Viney, William D., Saltfork, Okla. Automobile engine-cranking apparatus. 1,666,432; Apr. 17.
- Vingheroets, Louis, Grand Rapids, Mich. Wheel remover. 1,658,066; Feb. 7.
- Vining, De Quincey, Manchester, Ga. Fastener for sliding doors. 1,696,021; Dec. 18.
- Vinogradov, Eugene, New York, N. Y. Automatic newspaper-vending machine. 1,677,939; July 24.
- Vinson, Paul L., Sebring, Fla. Sun-ray heater. 1,673,429; June 12.
- Viola, Domenico, Philadelphia, Pa. Cigarette box. 1,680,826; Aug. 14.
- Vion, Eugene, Paris, France. Compass. 1,694,194; Dec. 4.
- Vipond, Herbert S., et al. (See Ruben, John J., assignor.)
- Virgile, Gabriel J., Brooklyn, N. Y., assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Des. 76,648; Oct. 16.
- Virginia-Carolina Chemical Corporation. (See Maxwell, J. Hoffmann, and McCoy, assignors.)
- Virginia Fruit Fumigating Company. (See Eustis, Frederic A., assignor.)
- Virginia Table Company. (See Gordon, Lawrence E., assignor.)
- Virneburg, George, New York, N. Y. Swimming glove. 1,664,187; Mar. 27.
- Vironda, Italo, Battle Creek, Mich. Tappet for internal-combustion engines. 1,664,651; Apr. 3.
- Vischer, Alfred, Jr., Floral Park, assignor to Self Seal Pressure Cooker Co., Inc., New York, N. Y. Container. 1,681,150; Aug. 14.
- Vischer, Alfred, Jr., Floral Park, N. Y., assignor to Self Seal Pressure Cooker Co., New York, N. Y. Pressure cooker. 1,682,203; Aug. 28.
- Viscose Company, The. (See Copson, Ernest D., assignor.)
- Viscose Company, The. (See Thompson, Charles S., assignor.)
- Visible Records Equipment Company. (See Wirt, Van A., assignor.)
- Visintainer, Felix, New York, N. Y. Alloy. 1,680,577; Aug. 14.

- Vissering, Harry, Kenilworth, Ill. Device for controlling and operating locomotive whistles. 1,689,509; Oct. 30.
- Vissering, Harry, Kenilworth, assignor to The Okadee Company, Chicago, Ill. Locomotive-boiler front-end hinge. 1,657,702; Jan. 31.
- Vissering, Harry, Kenilworth, assignor to The Okadee Company, Chicago, Ill. Locomotive front-end support. 1,674,269; June 19.
- Vissering, Harry, Kenilworth, and G. S. Turner, Berwyn, assignors to Harry Vissering and Company, Chicago, Ill. Track-sanding apparatus. 1,693,944; Dec. 4.
- Vissering, Harry, and Company. (See Vissering, H., and Turner, assignors.)
- Visualatone Company of America. (See Burton, Isaac F., assignor.)
- Vita, Vicente, Washington, D. C. Cryptographic apparatus. 1,659,543; Feb. 14.
- Vitale, Giuseppe, Chicago, Ill. Shoe-repair machine. 1,687,152; Oct. 9.
- Vitale, Ralph. (See Romano, A., and Vitale.)
- Vitányi, Stephen, Rockaway Beach, N. Y. Sea and land aeroplane. 1,681,071; Aug. 14.
- Vitapack Corporation. (See Rector, Thomas M., assignor.)
- Vitrefrac Corporation, The. (See Curtis, Thomas S., assignor.)
- Vitreous Steel Products Company. (See Dyer, Brainerd, assignor.)
- Vitro Manufacturing Company, The. (See Huber, H. V., and Felton, assignors.)
- Vitrolite Company, The. (See Carpenter, A. H., and Huntley, assignors.)
- Vitrolite Company, The. (See Gibian, Eric H., assignor.)
- Vitrolite Company, The. (See Gunther, L., and Gibian, assignors.)
- Vitrolite Company, The. (See Gunther, L., and Marmion, assignors.)
- Vitrolite Company, The. (See Meyercord, George R., assignor.)
- Vitrolite Company, The. (See Sohn, F., Marmion, and Gibian, assignors.)
- Vitrolite Company, The. (See Sohn, F., and Marmion, assignors.)
- Vivarttas, William O., assignor to Mattison Machine Works, Rockford, Ill. Bearing support for machine. Re16,861; Jan. 31.
- Vivarttas, William O., assignor to Mattison Machine Works, Rockford, Ill. Molding machine. 1,658,146; Feb. 7.
- Vivarttas, William O., assignor to Mattison Machine Works, Rockford, Ill. Chip breaker for molding machines and the like. 1,678,835; July 31.
- Vivarttas, William O., assignor to Mattison Machine Works, Rockford, Ill. Molding machine. 1,690,145; Nov. 6.
- Vivarttas, William O., and L. T. Medholdt, assignors to Mattison Machine Works, Rockford, Ill. Molder. 1,690,146; Nov. 6.
- Vivatex Processes, Inc. (See White, Clarence B., assignor.)
- Viverito, Antonio, New York, N. Y. Bag carrier or receptacle support. 1,662,089; Mar. 13.
- Vizzard, May B. C., Columbus, Nebr. Combination undergarment. 1,655,800; Jan. 3.
- Vlahon, Christon D., Spokane, Wash. Life raft. 1,667,912; May 1.
- Vlazny, Joseph W., Cicero, Ill., assignor to Universal Gauge Corporation. Razor. 1,660,281; Feb. 21.
- Vles, Samuel L., and M. P. A. Bouman, Arnhem, Netherlands, assignors to Naamlooze Venootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Process and apparatus for the manufacture of artificial silk and other artificial textile products from cellulose solutions by the dry or evaporative method. 1,672,665; June 5.
- Vliet, Elmer B., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Diallylcyanamide. 1,659,793; Feb. 21.
- Vobach, Arnold C. (See Isom, E. W., and Vobach.)
- Vock, William A., Redondo Beach, and H. E. Lynn, Torrance, Calif. Casing cutter. 1,677,507; July 17.
- Vocophone Company, The. (See McKesson, Elmer I., assignor.)
- Vodicka, John, deceased, by Cinch Manufacturing Corporation, assignee, Chicago, Ill. Socket for curtain fasteners. Re17,134; Nov. 13.
- Vodicka, John, assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill. Curtain fastener. 1,663,673; Mar. 27.
- Vogan, Frank M., assignor of one-half to W. H. Cavnah, Canton, Ohio. Spring support. 1,695,129; Dec. 11.
- Vogdes, Francis B., Schenectady, N. Y., assignor to General Electric Company. Frequency-responsive instrument. 1,677,694; July 17.
- Voge, Adolph L., New York, N. Y. Food preparation. 1,672,046; June 5.
- Vogel, Fred W., Sacramento, Calif. Safety light. 1,655,347; Jan. 3.
- Vogel, Joseph A., Company. (See Vogel, J. A., and Jennings, assignors.)
- Vogel, Joseph A., and A. J. Jennings, assignors to Joseph A. Vogel Company, Wilmington, Del. Flushing mechanism. 1,695,621; Dec. 18.
- Vogel, Paul H., New Hartford, assignor to The Chapin-Stephens Company, Pine Meadow, Conn. Level vial holder. 1,689,982; Oct. 30.
- Vogel, Paul R., Chicago, Ill. Display cabinet. 1,672,633; June 5.
- Vogel, Robert. (See Augenstein, C., and Vogel.)
- Vogel, Robert. (See Johnson, S. A., and Vogel.)
- Vogel, Vincent, Chicago, Ill. Fastener. 1,693,913; Dec. 4.
- Vogeltanz, E. L., et al. (See Criner, Harry J., assignor.)
- Vogelzang, Frank, assignor of one-fourth to M. Rodin and one-fourth to B. Apleson, Chatsworth, Iowa. Rail-crossing signal. 1,656,965; Jan. 24.
- Vogt, Clarence C., Pittsburgh, assignor to G. F. Bowman, Oakmont Borough, Pa. Mucin-solvent tooth paste. 1,691,504; Nov. 13.
- Vogt, Theodore, Fairview, N. J. Automobile handling apparatus. 1,677,695; July 17.
- Vogue Glove Company. (See Myers, Milton E., assignor.)
- Voices Incorporated. (See Aronson, Louis V., assignor.)
- Voices Incorporated. (See De Cesare, Matteo, assignor.)
- Voices Incorporated. (See Evans, Fred, assignor.)
- Voices Incorporated. (See Fuerstinger, Andrew, assignor.)
- Voices Incorporated. (See Grubman, Leo J., assignor.)
- Voices Incorporated. (See Handy, Levin G., assignor.)
- Voices Incorporated. (See Hutnikow, Theodore, assignor.)
- Voices Incorporated. (See Konoff, Alexander, assignor.)
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Furring bracket. 1,655,117; Jan. 3.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Metal lath. 1,661,642; Mar. 6.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Wire fastener. 1,665,761; Apr. 10.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Plasterer's grille. 1,666,544; Apr. 17.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Furring unit. 1,667,448; Apr. 24.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Wire fastener. 1,673,430; June 12.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Furring bracket. 1,673,431; June 12.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Wire-lath bracket. 1,675,201; June 26.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Wall construction. 1,679,282; July 31.
- Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Wire fastener. 1,684,120; Sept. 11.
- Voigt, Albert. (See Uhlig, Richard W., assignor.)
- Voigt, Albert P. J., Galveston, Tex. Whirlpool muffler. 1,661,980; Mar. 6.
- Voigt, Albert P. J., Galveston, Tex. Machine for husking nuts. 1,683,004; Sept. 4.
- Voisin, Urbain B. (See Roche, Emile M., assignor.)
- Voit, W. J., Rubber Co. (See Voit, William J., assignor.)
- Voit, William J., assignor to W. J. Voit Rubber Co., Los Angeles, Calif. Valve construction for inflatable articles. Re17,057; July 31.
- Voith, Walther, St. Polten, near Vienna, Austria. Writing device. 1,661,204; Mar. 6.
- Voivod, Louis M., Warren, Ohio. Badge. Des. 76,508; Oct. 2.
- Vokal, Paul F. (See Hammer, J. C., and Vokal.)
- Voland, Emil L. (See Voland, George G. and E. L.)
- Voland, George G. and E. L., New Rochelle, N. Y. Weight-placing and vernier attachment. 1,655,118; Jan. 3.
- Volare, Fred, Scotch Plains, N. J., assignor to The Aeolian Company. Bearing. 1,670,915; May 22.
- Volare, Fred, Scotch Plains, N. J., assignor to The Aeolian Company. Pitman for pneumatic motors. 1,677,908; July 24.
- Volckening, Charles K. (See Volckening, Henry G., assignor.)
- Volckening, Charles K., assignor to G. G. Berry, Brooklyn, N. Y. Casing for radiators and humidifiers. 1,658,870; Feb. 14.
- Volckening, Henry G., assignor to C. K. Volckening, Brooklyn, N. Y. Powder puff. 1,692,876; Nov. 27.
- Volckhausen, Julius, Weehawken, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Rim nut. 1,679,844; Aug. 7.
- Volckhausen, Julius, Weehawken, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Rim nut. 1,694,459; Dec. 11.
- Volence, Anthony, Browerville, Minn. Cow-tail holder. 1,663,287; Mar. 20.
- Voleske, John, Portland, Oreg. Cable shears. 1,657,730; Jan. 31.
- Voleske, John, Portland, Oreg. Shears. 1,689,648; Oct. 30.
- Volk, Francis M., San Francisco, Calif. Railway frog. 1,660,694; Feb. 28.
- Volker, Sylvia, Oak Park, Ill. Garment. 1,691,790; Nov. 13.
- Volkerding, Edmund B., St. Louis, Mo. Automobile headlight regulator. 1,689,538; Oct. 30.

- Volland Scenic Studios, Inc. (See Volland, Victor H., assignor.)
- Volland, Victor H., Clayton, assignor to Volland Scenic Studios, Inc., St. Louis, Mo. Hoisting apparatus. 1,670,556; May 22.
- Vollert, Edwin W. (See Lange, C. H., and Vollert.)
- Vollmann, Carl W., Montreal, Quebec, Canada. Refrigerator. 1,669,637; May 15.
- Vollmer, Harold C., and G. H. Repke, Flint, Mich. Singer. 1,670,998; May 22.
- Vollmer, Milton D., Willow City, N. Dak. Game apparatus. 1,682,645; Aug. 28.
- Vollmer, William A., assignor to Simmons Company, Kenosha, Wis. Tip. 1,685,578; Sept. 25.
- Vollrath, Edwin, Easton, Pa. Belt punch. 1,654,671; Jan. 3.
- Vollrath, Edwin, Easton, Pa. Belt stretcher. 1,663,783; Mar. 27.
- Vollrath, Edwin, Easton, Pa. Belt clamp. 1,686,300; Oct. 2.
- Voltz, Théodore, assignor to Durant & Huquenin S. A., Basel, Switzerland. Chlorinated amines from chlorinated hydroaromatic ketimino compounds and making same. 1,667,336; Apr. 24.
- Voltz, Théodore, assignor to the firm Durant & Huquenin S. A., Basel, Switzerland. Chlorinated hydroaromatic products containing nitrogen and making same. 1,679,998; Aug. 7.
- Volwiler, Ernest H. (See Adams, R., and Volwiler.)
- Volwiler, Ernest H., Highland Park, assignor to Abbott Laboratories, North Chicago, Ill. Enteric coated capsule. 1,690,760; Nov. 6.
- Volz, Chris L., Detroit, Mich. Radio receiving circuits. 1,675,473; July 3.
- Vom Bruck, Friedrich C., Dusseldorf, assignor, by mesne assignments, to the firm Stanley Works Gesellschaft mit beschränkter Haftung, Völbelt, Germany. Universal lock. 1,683,744; Sept. 11.
- Von Hofe, Julius, Brooklyn, assignor to T. B. Mills, New York, N. Y., trading under name of William Mills & Sons. Fishing reel. 1,673,382; June 12.
- Von Allmen, Emil, Louisville, Ky. Detachable union. 1,666,802; Apr. 17.
- Von Alt, Joseph, Cleveland, assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting fixture. Des. 75,139; May 8.
- Von Alt, Joseph, Cleveland, assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Ceiling lighting fixture. Des. 75,140; May 8.
- Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for avoiding reflections of sound inside buildings. 1,684,078; Sept. 11.
- Von Arco, Georg, W. Schaffer, and W. Moser, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Speed indicator and regulator for electric motors. 1,691,618; Nov. 13.
- Von Ardenne, Manfred, Berlin, Germany, assignor to Radio Corporation of America. Double-grid thermionic tube. 1,685,253; Sept. 25.
- Von Auw, Alwin, assignor to Boorum & Pease Company, Brooklyn, N. Y. Visible card index. 1,678,541; July 24.
- Von Beckerath, Hans, Berlin, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,677,325; July 17.
- Von Bogdandy, Stephan. (See Polanyi, M., and von Bogdandy.)
- Von Bosse, Julius, Leipzig, Germany. Metallizing process. 1,661,517; Mar. 6.
- Von Bronk, Otto, Berlin-Treptow, Germany. Apparatus for the electrical transmission of pictures. 1,670,757; May 22.
- Von der Heide, Richard, Schwiebus, Germany. Transforming pieces of curds into cheese by treatment with salts. 1,676,121; July 3.
- Von der Heyoc, George, Montclair, N. J. Golf club. 1,686,323; Oct. 2.
- Von der Lippe-Lipski, Elaine, Atlantic Highlands, N. J. Automatic control for headlights. 1,694,511; Dec. 11.
- Von Eberhard, Otto, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Milling cutter. 1,676,719; July 10.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,301; May 22.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,302; May 22.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,303; May 22.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,304; May 22.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,305; May 22.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,306; May 22.
- Von Elm, William, Brooklyn, N. Y. Jelly mold or similar article. Des. 75,307; May 22.
- Von Felden, Roy, assignor of one-half to S. Carlson, Duluth, Minn. Adjustable valve-controlling means. 1,663,066; Mar. 20.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 75,989; Aug. 7.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Smoking stand. Des. 75,990; Aug. 7.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 76,612; Oct. 16.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray. Des. 77,197; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash receiver. Des. 77,198; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Cigarette container. Des. 77,199; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash tray. Des. 77,200; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 77,201; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 77,202; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 77,203; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Ash receiver. Des. 77,204; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Smoking stand. Des. 77,205; Dec. 11.
- Von Frankenberg, Arthur, assignor to Frankart, Inc., New York, N. Y. Lamp. Des. 77,206; Dec. 11.
- Von Frommer, Rudolf, Budapest, Hungary. Sporting gun. 1,655,446; Jan. 10.
- Von Frommer, Rudolf, Budapest, Hungary. Single-loading firearm. 1,660,282; Feb. 21.
- Von Frommer, Rudolf, Budapest, Hungary. Automatic firearm. 1,680,186; Aug. 7.
- Von Frommer, Rudolf, Budapest, Hungary. Safety mechanism for firearms. 1,681,315; Aug. 21.
- Von Gans, Ludwig W., Oberursel, Kestenboh, assignor to the firm "Pharmagans" Pharmaceutisches Institut Ludwig Wilhelm Gans A.-G., Oberursel, Germany. Ampule. 1,669,729; May 15.
- Von Giesen, John P. (See Snyder, F. E., and von Giesen.)
- Von Glahn, Charles H., Brooklyn, N. Y. Cheese slicer. Re-17,175; Dec. 25.
- Von Glahn, Charles H., Brooklyn, N. Y. Cheese slicer. 1,659,340; Feb. 14.
- Von Gruber, Otto, Stuttgart, assignor to the firm Carl Zeiss, Jena, Germany. Device for tracing cross sections. 1,665,002; Apr. 3.
- Von Gunten, Jacob, assignor to The Ohio Drilling Company, Massillon, Ohio. Well-casing shoe. 1,665,569; Apr. 10.
- Von Halle, Millard, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y. Boning for flexible materials. 1,682,361; Aug. 28.
- Von Halle, Millard, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y. Sewing. 1,682,362; Aug. 28.
- Von Haryes, Carl. (See Thomas, August, assignor.)
- Von Hevesy, Georg. (See Coster, D., and von Hevesy.)
- Von Hofen, Frederick G. (See Axtell, J. M., and von Hofen.)
- Von Hoorn, Fred G. (See Jennings, O. S., and von Hoorn.)
- Von Jalsowiczky, Géza, Budapest, Hungary. Tractor. 1,679,754; Aug. 7.
- Von Kando, Kalman, Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company. Speed regulation for polyphase induction motors. 1,662,549; Mar. 13.
- Von Kando, Kalman, Budapest, Hungary, assignor to Westinghouse Electric & Manufacturing Company. Plant working with induction motors fed from synchronous phase converter. 1,687,700; Oct. 16.
- Von Keller, Arthur R., Brooklyn, N. Y. Draining curb-stone. 1,656,653; Jan. 17.
- Von Kornatzki, Hans H., Ziegenhagen, Post Retz, Germany. Medicinal soap. 1,684,336; Sept. 11.
- Von Korshenewski, Nicolai, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for multiplex directional receiving. 1,666,024; Apr. 10.
- Von Kosowski, Wacław, Warsaw, Poland. Apparatus for hot working metal. 1,663,576; Mar. 27.
- Von Lepel, Egbert, New York, N. Y. Increasing the performance of ignition systems by a booster device for ignition apparatus. 1,693,210; Nov. 27.
- Von Luettwitz, Ernst F., Brauchitschdorf, Germany. Equalized braking mechanism for single-track vehicles. 1,674,751; June 26.
- Von Marchthal, Eduard M., Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Producing type or type blocks. 1,671,620; May 29.
- Von Mechel, Lucas. (See Isler, M., and von Mechel.)
- Von Meyenburg, Konrad, Basel, Switzerland. Motor tilling machine. 1,664,789; Apr. 3.
- Von Neergard, Karl, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. Therapeutic bougies. 1,661,588; Mar. 6.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Lighting fixture. Des. 74,527; Feb. 21.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Lighting-fixture wall bracket. Des. 74,767; Mar. 20.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Ceiling lighting fixture. Des. 75,141; May 8.
- Von Nessen, Walter, New York, N. Y., assignor to Efcolite Corporation. Lighting-fixture wall bracket. Des. 75,991; Aug. 7.

- Von Nessen, Walter, New York, N. Y., assignor to Efcelite Corporation. Lighting-fixture wall bracket. Des. 77,047; Nov. 27.
- Von Nessen, Walter, New York, N. Y., assignor to Efcelite Corporation. Shade. Des. 77,138; Dec. 4.
- Von Ohlsen, Louis H., New Haven, Conn., assignor to the Safety Car Heating & Lighting Company. Electrical system of distribution. 1,691,095; Nov. 13.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,664,955; Apr. 3.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,664,956; Apr. 3.
- Von Pein, Edward J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,691,416; Nov. 13.
- Von Phul, Nolan S., et al. (See Parrish, Benjamin E., assignor.)
- Von Planta, Christoph. (See Straub, F., de Montmollin, Spieler, and von Planta.)
- Von Platen, Baltzar C., Ystad, and C. C. Munters, Dala-Jarna, Sweden, assignors, by mesne assignments, to Electrolux Serval Corporation. Refrigeration. 1,664,471; Apr. 3.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y. Refrigerating apparatus. 1,664,472; Apr. 3.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y. Refrigeration. 1,669,269; May 8.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Serval Corporation. Refrigerator of the absorption type. 1,675,474; July 3.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y. Refrigeration. 1,678,277; July 24.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors, by mesne assignments, to Electrolux Serval Corporation. Refrigerator. 1,685,764; Sept. 25.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y. Refrigeration. 1,686,425; Oct. 2.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y. Refrigeration. 1,687,957; Oct. 16.
- Von Platen, Baltzar C., and C. G. Munters, Stockholm, Sweden, assignors to Electrolux Serval Corporation, New York, N. Y. Refrigerating apparatus. 1,693,970; Dec. 4.
- Von Raussendorff, Hans, Chicago, Ill. Tiller. 1,662,088; Mar. 13.
- Von Reils, Lambert, Herzogenrath, Germany, assignor to Maatschappij tot Beheer en Exploitatie van Oetroleen, Amsterdam, Netherlands. Manufacture of raw plate glass on multiroller glass-rolling machines. 1,665,427; Apr. 10.
- Von Rosthorn, Oscar, Miesenbach, near Neustadt, Austria. Manufacture of copper alloys. 1,675,008; June 26.
- Von Salis, Eduard, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel-injection device for internal-combustion engines. 1,663,469; Mar. 20.
- Von Salis, Eduard, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel-injection device for internal-combustion engines. 1,663,470; Mar. 20.
- Von Salis, Eduard, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel-injection device for solid-oil engines. 1,663,471; Mar. 20.
- Von Salis, Eduard, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel-injection device for internal-combustion engines. 1,663,472; Mar. 20.
- Von Scheven, Richard, Brooklyn, N. Y. Oil-level indicator for automobiles. 1,669,684; May 15.
- Von Steen, John H., Company. (See Ruth, Samuel D., assignor.)
- Von Suchorzynski, Anton, Breslau, Germany. Hearing apparatus. 1,683,316; Sept. 4.
- Von Sydow, Rudolf W., Glendale, assignor of one-half to E. G. Burghard, Los Angeles, Calif. Bottle cap. 196,742; Dec. 25.
- Von Webern, Guido, Dayton, Ohio, assignor, by mesne assignments, to Oxford Varnish Corporation, Detroit, Mich. Transferring apparatus and making same. 1,666,920; Apr. 24.
- Von Wülfing, Johann A. (See Busch, Albert, assignor.)
- Von Wursterberger, Franz, Zurich, Switzerland. Process and device for the protection of metallic parts against corrosion. 1,671,173; May 29.
- Von Wysiecki, Kurt, Lausanne, Switzerland. Self-induction coil. 1,667,705; Apr. 24.
- Voorhees, Gardner T., Boston, Mass. Ice-making process and apparatus. 1,659,845; Feb. 21.
- Voorhees, Gardner T., Boston, Mass. Process and apparatus for refrigeration. 1,684,423; Sept. 18.
- Voorhees, John R., Cedar Falls, Iowa. Friction clutch. 1,678,026; July 24.
- Voorhees, Lee J., Binghamton, N. Y., assignor to National Carbon Co., Inc. Portable electric light. 1,668,881; May 8.
- Voorhees, Lee J., Binghamton, N. Y., assignor to National Carbon Company, Inc. Illuminating device. 1,669,313; May 8.
- Voorhees, Walter K., assignor to Standard Manufacturing Company, Cedar Falls, Iowa. Adjustable street sign. 1,692,234; Nov. 20.
- Voorheis, Joseph T., Oakland, assignor to Coen Company, San Francisco, Calif. Duplex oil strainer. 1,685,803; Sept. 25.
- Voos, Frederick A., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring syringe. 1,654,905; Jan. 3.
- Vordemfelde, Fred L., Butler, Pa. Tire-chain carrier. 1,657,848; Jan. 31.
- Voreaux, Paul, assignor to Etablissements Samga & Bavois Reunis, Paris, France. Valveless air pump. 1,663,927; Mar. 27.
- Voreaux, Paul, assignor of one-half to Société "Etablissements Samga & Bavois Reunis," Paris, France. Air pump. 1,695,401; Dec. 18.
- Vorhauer, Harry G., Long Beach, Calif. Internal-combustion engine. 1,662,090; Mar. 13.
- Vorhies, Leroy. (See Dailey, R. R., and Vorhies.)
- Vorhies, Leroy, Denver, Colo. Hydraulic dredging mechanism. 1,691,686; Nov. 13.
- Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)
- Vortex Mfg. Co., The. (See Baur, Hugo J., assignor.)
- Vortex Mfg. Co., The. (See Carle, Harold, assignor.)
- Vortex Mfg. Co., The. (See Holman, Rudolph, assignor.)
- Vortex Mfg. Co., The. (See Mangold, William B., assignor.)
- Vortex Mfg. Co., The. (See Ohlson, John B., assignor.)
- Vortex Mfg. Co., The. (See Potts, Peter T., assignor.)
- Vos, Mauritz, Stockholm, and K. Sundberg, Rasunda, assignors to Svenska Radioaktiebolaget, Stockholm, Sweden. Electrical searching of ore. 1,660,774; Feb. 28.
- Vosburg, Earl, Ada, Mich. Fastener. 1,691,833; Nov. 13.
- Vosgerau, Frederick C. B. (See Matthew, F. H., Broadbent, and Vosgerau.)
- Voshardt, Herman F., assignor to Friedley-Voshardt Co., Chicago, Ill. Dishwasher. 1,680,962; Aug. 14.
- Voskamp, John A., New York, N. Y., assignor to Irving Iron Works Company. Armored reinforced-concrete slab. 1,666,156; Apr. 17.
- Voskamp, John A., New York, N. Y., assignor to Irving Iron Works Company. Armored reinforced-concrete slab. 1,666,157; Apr. 17.
- Voskerchian, Haroutun, New York, N. Y. Combination cameo brooch. 1,660,181; Feb. 21.
- Vossler, Lee L. (See Crum, Leo J., assignor.)
- Voss, Arthur. (See Kränzlein, G., Voss, and Brunträger.)
- Voss, Erdmann, Hamburg, Germany. Hair-drying apparatus. 1,685,345; Sept. 25.
- Voss, George C., assignor of one-third to J. H. Rendleman and one-third to R. R. Wiard, Exira, Iowa. Saw. 1,694,150; Dec. 4.
- Voss, Gustav J. (See Hall, Paul S., assignor.)
- Voss, Herman E., Yuhstien, China. Insect destroyer. 1,664,762; Apr. 3.
- Voss, Louis H., Detroit, Mich. Inside tire boot. 1,657,289; Jan. 24.
- Voss, William H., Davenport, Iowa. Safety wringer clothes feeder. 1,654,712; Jan. 3.
- Voss, William H., Davenport, Iowa. Link driving mechanism for washing machines. 1,695,400; Dec. 18.
- Vossen, Bartholomäus. (See Wagner, H., and Vossen.)
- Vossen, Bartholomäus, Höchst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing leather with acid azo dyestuffs. 1,690,318; Nov. 6.
- Vowell, Asbury C., Little Rock, Ark. Window sash. 1,690,087; Oct. 30.
- Vox Maschinen-Aktiengesellschaft. (See Hornauer, Willy, assignor.)
- Vrahorit, John S., assignor of one-half to S. J. Abromaitis, Detroit, Mich. Elevator stop mechanism. 1,689,264; Oct. 30.
- Vrba, James, Marshalltown, Iowa. Lock. 1,657,650; Jan. 31.
- Vrba, James, Marshalltown, Iowa. Water front for furnaces. 1,669,794; May 15.
- Vrbanc, John, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 75,595; June 19.
- Vredenburg, Julius C. (See Chaloupka, Josef, assignor.)
- Vreeland, Charles E., Davenport, Iowa. Closure-operating mechanism. 1,676,064; July 3.
- Vreeland, Cornelius D., Vineland, N. J. Sulphur fungicide and insecticide. 1,662,550; Mar. 13.
- Vreeland Corporation. (See Vreeland, Frederick K., assignor.)
- Vreeland, Frederick K., Montclair, N. J. Prevention of interference in radioreception. 1,682,026; Aug. 28.
- Vreeland, Frederick K., Montclair, N. J. Audiofrequency interference preventer. 1,692,877; Nov. 27.
- Vreeland, Frederick K., Montclair, assignor to Vreeland Corporation, Hoboken, N. J. Radiofrequency amplifier. 1,666,518; Apr. 17.
- Vreeland, Frederick K., Montclair, assignor to Vreeland Corporation, Hoboken, N. J. Radiofrequency amplifier. 1,682,874; Sept. 4.

- Vreeland, George V. C., East Orange, N. J., assignor to National Carbon Company, Inc. Flash light. 1,669,314; May 8.
- Vreeland, George W., Steubenville, Ohio. Tuyère. 1,682,816; Sept. 4.
- Vromau, John C., assignor of one-half to J. R. Ketchum, Chelsea, Okla. Oil-well pump. 1,674,146; June 19.
- Vroom, Guysbert B., Washington, D. C. Packing. 1,672,013; June 5.
- Vrooman, Frank W. (See Harder, D. S., and Vrooman.)
- Vrooman, William S., assignor to The Paine & Williams Company, Cleveland, Ohio. Rubber matting. Des. 75,536; June 12.
- Vuccino, Amedee, New York, N. Y. Treating tobacco. 1,673,216; June 12.
- Vulcan Corporation. (See Clausing, George, assignor.)
- Vulcan Last Company. (See Clausing, George, assignor.)
- Vulcan Last Company, The. (See Clausing, Henry G., assignor.)
- Vulcan Last Company, The. (See Heeter, Allen, assignor.)
- Vulcan Last Company, The. (See Heeter, A., and Mattern, assignors.)
- Vulcan Last Company, The. (See Pollard, Carl I., assignor.)
- Vulcan Mold and Iron Company. (See Williams, Edward R., assignor.)
- Vulcan Motor Devices Company. (See Stevens, William C., assignor.)
- Vulcan Motor Devices Company. (See Stevens, W. C., and Taylor, assignors.)
- Vulcan Oil Burner Corporation, The. (See Logan, James W., assignor.)
- Vulcan Rubber Proprietary Limited. (See Thurlow, Edward W., assignor.)
- Vulliet, H. G. R., and F. A. H. Deschâtres, Paris, France, assignors to A. Gueneau, Paris, France. Shears. Re-17,139; Nov. 20.
- Vultex Limited. (See Schidrowitz, Philip, assignor.)
- Vuzzo, Joseph G., Corona, N. Y. Holder for trees and the like. 1,662,091; Mar. 13.
- W-K-M Company. (See Goldsmith, Fred C., assignor.)
- Wachsmuth, Albert J., Muskegon, Mich. Artificial-cannamaking apparatus. 1,695,622; Dec. 18.
- Wachtel, Charles, New Hyde Park, N. Y. Electric candle light. Des. 75,666; June 26.
- Wachtel, Charles, New Hyde Park, N. Y. Electric boudoir lamp. 1,655,746; Jan. 10.
- Wachtel, Charles, New Hyde Park, N. Y. Electric boudoir lamp. 1,665,867; Apr. 10.
- Wachter, Charles L. (See Danziger, H. I., and Wachter.)
- Wachter, Henry F. A., Peru, Ill. Angle bar for show windows and the like. 1,681,201; Aug. 21.
- Wacker, Frederick G., assignor to Automotive Maintenance Machinery Co., Chicago, Ill. Tool for turning crank pins and the like. 1,664,440; Apr. 3.
- Wacker, William E., Newark, N. J., assignor to August Goertz & Co., Inc. Powder bottle or can closure. 1,669,884; May 15.
- Wackerle, Lewis E., Waukegan, Ill., assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Table. Des. 75,754; July 10.
- Wackerle, Lewis E., Waukegan, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Slicing machine. 1,675,287; June 26.
- Wackerle, Lewis E., Waukegan, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Table or stand. 1,696,871; Dec. 25.
- Wackerman, Charles S., Bridgeport, Conn. Narrow woven trimming. Des. 76,440; Sept. 25.
- Wackerman, Charles S., assignor to The American Fabrics Company, Bridgeport, Conn. Narrow woven trimming. Des. 76,725; Oct. 23.
- Wackman, Louis B., St. Louis, Mo. Closure seat for metallic containers. 1,689,510; Oct. 30.
- Waddell, Benson F., New York, N. Y. Diaphragm for a radio loud speaker. Des. 74,993; Apr. 24.
- Waddell, Benson F., New York, N. Y. Electromagnet for sound-reproducing instruments. 1,690,147; Nov. 6.
- Waddell Company, The. (See Daugherty, Gilbert H., assignor.)
- Waddell & Hardesty. (See Hardesty, Shortridge, assignor.)
- Waddell & Hardesty. (See Williams, William G., assignor.)
- Waddell, Otto, Radersburg, Mont. Resilient wheel. 1,661,643; Mar. 6.
- Waddell, William, London, England, assignor to International Harvester Company, Chicago, Ill. Grain shaker. 1,659,011; Feb. 14.
- Waddy, George M., Buffalo, N. Y. Safety brake-beam support. 1,660,585; Apr. 17.
- Wade, Benjamin H., Chicago, Ill. Making radiator cores. 1,689,565; Oct. 30.
- Wade, Benjamin O., White Pigeon, Mich. Wrench. 1,677,909; July 24.
- Wade, Clem F., Evanston, Ill. Refrigerator. Des. 75,882; July 24.
- Wade, Elmer J. (See Newton, E. G., and Wade.)
- Wade, Henry N. (See Barnum, T. E., and Wade.)
- Wade, Henry N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit controller. 1,655,928; Jan. 10.
- Wade, Martin J., Iowa City, Iowa. Diary, memorandum book, etc. 1,694,632; Dec. 11.
- Wade and Butcher Corporation. (See Drew, John E., assignor.)
- Wadell, Albert H., Newark, N. J. Micrometer attachment for adjusting tools. 1,679,189; July 31.
- Wadhams Oil Company. (See Steen, Svend A., assignor.)
- Wadsten, Sten, Bloomfield, N. J., assignor to Westinghouse Lamp Company. Adjustable measuring and cutting device for coil-winding machines. 1,680,489; Aug. 14.
- Wadsworth, Arthur W., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Adjuster for metal bands. 1,660,311; Feb. 21.
- Wadsworth, Arthur W., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase bezel. 1,672,183; June 5.
- Wadsworth, Arthur W., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. 1,675,675; July 3.
- Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Dustproof crown and pendant. 1,660,310; Feb. 21.
- Wadsworth, David T., Cold Springs, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Inclosed electric switch. 1,666,724; Apr. 17.
- Wadsworth Electric Manufacturing Company, The. (See Wadsworth, David T., assignor.)
- Wadsworth Electric Manufacturing Company, The. (See Wadsworth, George B., assignor.)
- Wadsworth, Frank L. O., Pittsburgh, Pa. Supplemental spring snubbing suspension for vehicles. 1,662,351; Mar. 13.
- Wadsworth, Frank L. O., Pittsburgh, Pa. Complementary spring suspension system. 1,671,332; May 29.
- Wadsworth, Frank L. O., Pittsburgh, Pa. Temperature control for water heaters. 1,696,222; Dec. 25.
- Wadsworth, George B., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Electrical switch. 1,675,435; July 3.
- Wadsworth, Howard L., assignor, by mesne assignments, to R. H. Clemmishaw, Cleveland, Ohio. Sand-mixing apparatus. Re17,102; Oct. 9.
- Wadsworth, James M., Sand Springs, Okla. Method and apparatus for cracking and rectifying petroleum oils and the like. 1,692,476; Nov. 20.
- Wadsworth, Leslie H. (See Wurzbach, H. E., and Wadsworth.)
- Wadsworth Watch Case Co., The. (See Beebe, Murray C., assignor.)
- Wadsworth Watch Case Co., The. (See Beebe, M. C., Murray, and Herlinger, assignors.)
- Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
- Wadsworth Watch Case Company, The. (See Otten, Lawrence F., assignor.)
- Wadsworth Watch Case Company, The. (See Wadsworth, Arthur W., assignor.)
- Wadsworth Watch Case Company, The. (See Wadsworth, A. W., and Conant, assignors.)
- Wadsworth Watch Case Company (See Wise, Edmund M., assignor.)
- Waern, Adolph W., Ontonagon, Mich. Pulp digester. 1,658,216; Feb. 7.
- Waern, Adolph W., Ontonagon, Mich., assignor to Pine-Waste Products, Inc., New York, N. Y. Reducing and smelting furnace. 1,661,742; Mar. 6.
- Wägele, Emil, Sumpfböhen, near Donaueschingen, Germany. Remote control device for power winches and the like. 1,692,009; Nov. 20.
- Wagenbach, Anton, Elberfeld, Germany. Device for bending iron rods. 1,688,099; Oct. 16.
- Wagenhorst, James H., Jackson, Mich. Cushion tire. 1,654,565; Jan. 3.
- Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,657,703; Jan. 31.
- Wagenhorst, James H., Jackson, Mich. Making tire rims with attached lugs. 1,660,695; Feb. 28.
- Wagenhorst, James H., Jackson, Mich. Making and attaching clamping lugs. 1,668,618; May 8.
- Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,676,303; July 10.
- Wagenhorst, James H., Jackson, Mich. Automobile wheel. 1,679,453; Aug. 7.
- Wagenhorst, James H., Jackson, Mich. Vehicle wheel. 1,679,454; Aug. 7.
- Wagenhorst, James H., Jackson, Mich. Automobile wheel. 1,679,455; Aug. 7.
- Wagenhorst, James H., Jackson, Mich. Demountable rim and fastening same. 1,686,301; Oct. 2.
- Wagenhorst, James H., Jackson, Mich. Rim with valve-stem fastener. 1,689,649; Oct. 30.
- Wagenhorst, James H., Jackson, Mich. Automobile wheel. 1,689,650; Oct. 30.
- Waggaman, Wolcott C., Washington, D. C. Traffic-signal casing. Des. 75,308; May 22.
- Waggett, Frederick W., London, England. Pianoforte action. 1,656,548; Jan. 17.
- Waggett, Thomas A., East Moline, Ill., assignor, by mesne assignments, to Troy Laundry Machinery Company, Inc., Dover, Del. Plate punching and finishing means. 1,694,045; Dec. 4.
- Waggoner, Charles L., and F. B. Thacher, assignors to By-Products Coke Corporation, Chicago, Ill. Treating coke and products. 1,685,654; Sept. 25.

- Waggoner, Melancthon R., Cedar Rapids, Iowa, assignor to McIntosh Electrical Corporation, Chicago, Ill. Switching means for effecting electrotherapeutic treatment. 1,693,734; Dec. 4.
- Waggoner, Ralph, Los Angeles, Calif. Lighting standard. Des. 76,509; Oct. 2.
- Waggoner, Ralph, assignor to Marbelite Corporation of America, Los Angeles, Calif. Lighting-standard capital. Des. 75,395; May 29.
- Waggoner, Ralph, assignor to Marbelite Corporation of America, Los Angeles, Calif. Pedestal. Des. 75,883; July 24.
- Wagner, Albert P., San Francisco, Calif. Hat pad. 1,689,539; Oct. 30.
- Wagner, Albert, Gross-Zschachwitz, near Dresden, Germany, assignor to the firm Fr. Küttner, Pirna, Saxony. Spinning machine for spinning artificial silk. 1,677,940; July 24.
- Wagner, Albert, assignor to Wagner Research Society, Cincinnati, Ohio. Carburetor. 1,679,456; Aug. 7.
- Wagner, Carl, Fort Morgan, Colo. Ditcher. 1,665,428; Apr. 10.
- Wagner, Carl G., and J. M. Kerr, Bay City, Mich., assignors to Bay City Dredge Works. Crowding mechanism. 1,660,142; Feb. 21.
- Wagner, Carl R., and C. E. Rubottom, Peoria, Ill. Arctic applicator and remover. 1,661,205; Mar. 6.
- Wagner, Cary R., Woodriver, Ill. Refining oil. 1,669,151; May 8.
- Wagner, Cary R., El Dorado, Ark. Refining oils. 1,669,180; May 8.
- Wagner, Charles, Litho. Machinery Company. (See Wagner, C., and Hormel, assignors.)
- Wagner, Charles, assignor of one-half to T. Hovell, Norristown, Pa. Bolster support. 1,673,652; June 12.
- Wagner, Charles, Grantwood, and A. Hormel, Jersey City, N. J., assignors to Charles Wagner Litho. Machinery Company, Inc. Coating machine. 1,672,842; June 5.
- Wagner, Charles F. (See Evans, R. D., Wagner, Dorjikov, and Shand.)
- Wagner, Charles F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bus-bar structure. 1,688,567; Oct. 23.
- Wagner, Charles H., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Tinner's roll. 1,669,957; May 15.
- Wagner, Charles H., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Furnace stack. 1,693,008; Nov. 27.
- Wagner, Charles L., Boonton, N. J., assignor to C. L. W. Patents Corporation. Heater. 1,678,027; July 24.
- Wagner, Chester I., New York, N. Y. Record-filing system. 1,685,206; Sept. 25.
- Wagner Electric Corporation. (See Dick, Burns, assignor.)
- Wagner Electric Corporation. (See Lauritsen, Charles C., assignor.)
- Wagner Electric Corporation. (See Weichsel, Hans, assignor.)
- Wagner Electric Corporation. (See Weichsel, H., and McCormick, assignors.)
- Wagner Electric Corporation. (See Wolff, Carl H., assignor.)
- Wagner, Eli E., Lewistown, Pa. Automobile skid chain. 1,687,407; Oct. 9.
- Wagner, Emanuel E., Lamar, Mo. Gauge tool. 1,677,063; July 10.
- Wagner, Emil, Cincinnati, Ohio. Window. 1,658,268; Feb. 7.
- Wagner, Enos A., Detroit, Mich. Figure wheeled toy. 1,693,326; Nov. 27.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,655,171; Jan. 8.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,669,638; May 15.
- Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,669,795; May 15.
- Wagner, Frederick P. (See Brauer, A. J., Wagner, and Overton.)
- Wagner, Fritz, Berlin-Lichterfelde, Germany. Valve comprising an equalizing chamber, a main and an auxiliary valve. 1,659,846; Feb. 21.
- Wagner, George, Monsey, N. Y. Cleaning device. 1,667,464; Apr. 24.
- Wagner, George E., et al. (See Clutter, Le Roy P., assignor.)
- Wagner, Gustave A., Cleveland, Ohio. Window cleaner. 1,655,585; Jan. 10.
- Wagner, H., and Adler Co. (See Drost, Thomas, assignor.)
- Wagner, Henry A., assignor to The Willys-Overland Company, Toledo, Ohio. Clip-bending machine. 1,655,747; Jan. 10.
- Wagner, Henry C., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Footwear. 1,689,000; Oct. 23.
- Wagner, Hermann, Bad Soden-on-the-Taunus, and B. Vossen, Höchst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. 1-methyl-2,5,6-trichloro-3-aminobenzene-4-sulphonic acid and preparing the same. 1,677,536; July 17.
- Wagner, Hermann, Soden-on-the-Taunus, and H. Eichwede and E. Fischer, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing mixed textile goods. 1,678,611; July 24.
- Wagner, Hermann, Soden-on-the-Taunus, H. Eichwede, and E. Fischer, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Azo dye and making same. 1,694,563; Dec. 11.
- Wagner, Hermann, Soden, and O. Sohst, Höchst-on-the-Main, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Azo dyestuffs and making same. 1,681,602; Aug. 21.
- Wagner, Hermann, Höchst-on-the-Main, Germany, assignor, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Azo dye. 1,695,164; Dec. 11.
- Wagner, Lawson L., New York, N. Y. Automobile lamp. 1,655,399; Jan. 3.
- Wagner, Lawson L., Baltimore, Md. Automobile headlight. 1,684,720; Sept. 18.
- Wagner, Louis, Berlin, Germany, assignor to Whiting-Patterson Co., Inc. Figured tissue paper. Des. 74,403; Feb. 7.
- Wagner, Louis, Berlin, Germany, assignor to Whiting-Patterson Co., Inc. Cover paper or similar material. Des. 74,814; Mar. 27.
- Wagner Manufacturing Company. (See Lang, Philip, assignor.)
- Wagner, Maria S., New York, N. Y. Trousers. 1,667,363; Apr. 24.
- Wagner, Maria S., New York, N. Y. Undergarment. 1,667,364; Apr. 24.
- Wagner, Martin S., New York, N. Y. Scarf. 1,663,893; Mar. 27.
- Wagner, Max, assignor to Benz & Cie. Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft, Mannheim, Germany. Steering gear. 1,677,619; July 17.
- Wagner Research Society. (See Wagner, Albert, assignor.)
- Wagner, Richard W. (See Howard, C. R., and Wagner.)
- Wagner, Rudolf, Hamburg, Germany. Helicopter. 1,692,397; Nov. 20.
- Wagner, Rudolf E., Karlstad, Sweden. Apparatus for screening pulp and the like. 1,669,029; May 8.
- Wagner, Stefan, Los Angeles, Calif. Boring machine. 1,693,971; Dec. 4.
- Wagner, Theodore B., Brooklyn, N. Y. Yeast stimulants and using them. 1,680,827; Aug. 14.
- Wagner, Walter, Chicago, Ill. Forming metal vacuum bottles or carafes. 1,673,653; June 12.
- Wagoner, Alonzo W., Hammonville, Ky. Folding create. 1,688,253; Oct. 16.
- Wagoner, Jew I. (See Needham, R. W., and Wagoner.)
- Wagoner, Samuel O., Pasadena, assignor of one-half to H. E. Robinson and one-half to K. Howard, Los Angeles, Calif. Ironing board. 1,696,145; Dec. 18.
- Wagonseller, William R., Montague, Tex. Dirigible axle for agricultural implements. 1,663,361; Mar. 20.
- Wagstaff, Richard A., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Method and apparatus for feeding granular material to conveying roasters. 1,655,586; Jan. 10.
- Waguespack, Rene J. (See Pfister, L. A., Heughan, and Marse, assignors.)
- Wahl, André. (See Lantz, R., and Wahl.)
- Wahl, André, Englien, and R. Lantz, assignors of one-half to Societe Anonyme des Matieres Colorantes et Produits Chimiques de Saint-Denis, Paris, France. Preparation of new derivatives of naphthaquinone. 1,657,809; Jan. 31.
- Wahl Company, The. (See Straka, John, assignor.)
- Wahl Company, The. (See Wahl, John C., assignor.)
- Wahl, John, and O. Melzer, borough of Queens, assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Tube-deflating machine. 1,657,873; Jan. 31.
- Wahl, John, and O. Melzer, borough of Queens, assignors to A. Schrader's Son, Inc., New York, N. Y. Tube-deflating machine. 1,657,874; Jan. 31.
- Wahl, John, Rosedale, and O. Melzer, Hollis, assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Deflating machine. 1,658,313; Feb. 7.
- Wahl, John, Rosedale, and O. Melzer, Hollis, assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Tire-deflating machine. 1,658,314; Feb. 7.
- Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,693,580; Nov. 27.
- Wahl, Lars G., Oslo, Norway. Arrangement for weighing goods in a hanging position. 1,686,586; Oct. 9.
- Wahl, Leo J., Sterling, Ill. Electromagnet construction. 1,656,458; Jan. 17.
- Wahl, Ottmar, Leverkusen, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Dyestuff of the triphenyl methane series. 1,663,869; Mar. 27.
- Wahlbeck, John H. (See Prosser, T. W., and Wahlbeck.)
- Wahlberg, Andres F., East Orange, N. J. Calipers. 1,672,966; June 12.
- Wahlberg, Nils J. A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission-line device. 1,690,185; Nov. 6.
- Wahren, Hugo. (See Foster, F. J., and Wahren.)
- Waid, Calvin R., Birmingham, Ala. Shaking, rocking, and dumping grate. 1,696,463; Dec. 25.
- Waid, Calvin R., assignor to W. C. Appleby, Birmingham, Ala. Grate bar. 1,664,496; Apr. 3.
- Wait, Justin F., New York, N. Y. Filter and filtering method. 1,667,465; Apr. 24.

- Wait, Justin F., New York, N. Y. Filtering process. 1,693,417; Nov. 27.
- Wait, Justin F., New York, N. Y., assignor to National Aniline & Chemical Co., Inc. Replacing members in containers. 1,654,953; Jan. 3.
- Wait, Lorenzo C., Watertown, N. Y. Paint mixer. 1,655,447; Jan. 10.
- Wait, Wesley, Newburgh, N. Y. Metallic bonding for concrete supports. 1,662,727; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,662,728; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,662,729; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,662,766; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,662,767; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,662,768; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,662,769; Mar. 13.
- Wait, Wesley, Newburgh, N. Y. Bridge. 1,666,536; Apr. 17.
- Wait, Wesley, Newburgh, N. Y. Interlocking joint for metallic frames. 1,688,949; Oct. 23.
- Wait, Wesley, Newburgh, N. Y. Shaping columns, girders, beams, and the like for interlocking joints. 1,688,950; Oct. 23.
- Wait, William, jr. (See Wright, T. P., and Wait.)
- Wait, William, jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Combination seat and control mechanism for aircraft. 1,666,761; Apr. 17.
- Wait, William, jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Wheel chock for aeroplanes. 1,673,608; June 12.
- Wait, William, jr., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Aeroplane radiator. 1,682,204; Aug. 28.
- Wait, William, jr., Garden City, N. Y., assignor to Curtiss Aeroplane & Motor Co., Inc. Retractable landing gear. 1,692,010; Nov. 20.
- Waite Carpet Company. (See Brandt, Stella, assignor.)
- Waite Carpet Company. (See Clements, Albert F., assignor.)
- Waite Carpet Company. (See Douglass, Agnes, assignor.)
- Waite Carpet Company. (See Waite, Philip C., assignor.)
- Waite, Charles C. (See Macdonald, A. S., and Waite.)
- Waite, Charles M., et al. (See Perkins, Nathan W., assignor.)
- Waite, Edwin E., Framingham, Mass., assignor to Driver-Harris Company, Harrison, N. J. Ended cord and producing the same. 1,661,102; Feb. 28.
- Waite, Edwin E., Framingham, assignor of one-half to Multibestos Company, Walpole, Mass. Endless facing and manufacturing same. 1,671,944; May 29.
- Waite, Fred, Otley, England. Machine for printing from engraved plates or dies. 1,655,000; Jan. 3.
- Waite, Harry F., New York, N. Y. High-tension electric valve. 1,682,730; Aug. 28.
- Waite, Harry F., New York, N. Y. Rectifying system. 1,694,151; Dec. 4.
- Waite, Lyman M., South Norwalk, Conn. Ash receptacle. 1,660,143; Feb. 21.
- Waite, Philip C., Oshkosh, Wis. Rug and strand therefor. 1,664,497; Apr. 3.
- Waite, Philip C., assignor to Waite Carpet Company, Oshkosh, Wis. Rug and strand therefor. 1,679,533; Aug. 7.
- Waits, Robert W., assignor of one-half to D. L. Sanders, Wills Point, Tex. Base plate and filler block for switch points. 1,658,109; Feb. 7.
- Waiwat, Frank, Westfield, Mass. Penknife. 1,687,958; Oct. 16.
- Wakabayashi, Tatsuo, San Francisco, Calif. Glue dispenser. 1,696,783; Dec. 25.
- Wakefield All-Steel Wrench Company. (See Wakefield, Clarence E., assignor.)
- Wakefield All-Steel Wrench Company. (See Wakefield, C. E., Fleming, and Oliver, assignors.)
- Wakefield, Arthur T., assignor to American Oil Company, Baltimore, Md. Flush-surface fill device. 1,690,914; Nov. 6.
- Wakefield, Clarence E., assignor to Wakefield All-Steel Wrench Company, Inc., Worcester, Mass. Socket wrench set. 1,662,409; Mar. 13.
- Wakefield, Clarence E., J. P. Fleming, and J. F. Oliver, assignors to Wakefield All-Steel Wrench Company, Inc., Worcester, Mass. Socket-wrench set. 1,680,578; Aug. 14.
- Wakefield, F. W., Brass Company, The. (See Von Alt, Joseph, assignor.)
- Wakefield, Frank E., assignor to Illinois Watch Case Company, Elgin, Ill. Cigarette case. 1,664,498; Apr. 3.
- Wakefield, Richard E. B., Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company, Inc. Device for controlling the flow of fluids. 1,683,317; Sept. 4.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Multiple-needle detector. 1,662,222; Mar. 13.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Normally stationary inertia-actuated weft detector. 1,664,008; Mar. 27.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-replenishing pick and pick loom. 1,679,641; Aug. 7.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Separator for warp stop motions. 1,683,215; Sept. 4.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reed adjustment for looms. 1,683,216; Sept. 4.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft-replenishing looms. 1,689,704; Oct. 30.
- Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector mounted on indicating plunger of regularly-moving transfer arm. 1,695,402; Dec. 18.
- Walbert, Hans. (See Emmel, K., and Walbert.)
- Walbridge, Earl G. (See Germer, E. G., Walbridge, and Wysocki.)
- Walcom, John J., Burlingame, Calif. Barber-chair seat for children. 1,693,166; Nov. 27.
- Walcott, Colin R., Newaygo, Mich. Line-projecting device. 1,687,115; Oct. 9.
- Walcott, Joseph H., assignor to Helburn Thompson Company, Salem, Mass. Apparatus for polishing sheet material. 1,673,432; June 12.
- Wald, David, New York, N. Y. Rheostat construction. 1,685,579; Sept. 25.
- Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)
- Waldbauer, Carl A., Chicago, Ill. Garment hanger and protective device therefor. 1,695,517; Dec. 18.
- Waldbauer, George H., Bridgeport, Conn. Doorcheck. 1,689,001; Oct. 23.
- Walden, Lester M., Chicago, Ill. Spotlight. 1,673,783; June 12.
- Walden, Lester M., Chicago, Ill. Dirigible light. 1,688,213; Oct. 16.
- Walden, Lester M., Chicago, Ill. Dirigible light for motor vehicles and the like. 1,688,214; Oct. 16.
- Walden, Lester M., Chicago, Ill. Vehicle suspension means. 1,691,217; Nov. 13.
- Walden, Stanley F., Newton, Mass. Canopy for trucks. 1,679,642; Aug. 7.
- Walder, John, Union City, assignor to Monroe Embroidery Works, West New York, N. J. Embroidered fabric. Des. 76,650; Oct. 16.
- Waldes, Jindrich, New York, N. Y. Fastening device. 1,658,955; Feb. 14.
- Waldes, Jindrich, Prague, Czechoslovakia. Fastener. 1,664,582; Apr. 3.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter machine. 1,654,906; Jan. 3.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriter desk. 1,656,714; Jan. 17.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,659,225; Feb. 14.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,673,272; June 12.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,675,436; July 3.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Apparatus for holding work webs for typewriting machines. 1,675,740; July 3.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,679,845; Aug. 7.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,122; Aug. 7.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,123; Aug. 7.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,680,124; Aug. 7.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,688,030; Oct. 16.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,688,166; Oct. 16.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 1,688,367; Oct. 23.
- Waldheim, John, Elizabeth, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Latch for covers for typewriting machines. 1,692,428; Nov. 20.
- Waldman, Frank E. (See Beasley, Stanley F., assignor.)
- Waldman, Herman, Chicago, Ill. Cosmetic-display stand. Des. 76,726; Oct. 23.
- Waldman, Herman, Chicago, Ill. Desk set. Des. 77,207; Dec. 11.
- Waldman, Herman C., St. Louis, Mo. Elevator-door-operating mechanism. 1,695,988; Dec. 18.
- Waldmann, Herbert W., Concord, Wis. Cultivator attachment. 1,667,643; Apr. 24.
- Waldo Bros. and Bond Company. (See Parker, Alfred B., assignor.)

- Waldo, Richard H. (See Anderson, J. G., and Waldo.)
Waldorf Paper Products Company. (See Bache, Edmund, assignor.)
Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
Waldron, Benjamin F., Duncan, Okla. Underreamer. 1,662,138; Mar. 13.
Waldron, Frederic B., Prescott, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for polishing plates of glass, marble, or other material. 1,687,959; Oct. 16.
Waldron, Frederic B., Prescott, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for conveying the workholding tables of a continuously-moving series of tables. 1,693,534; Nov. 27.
Waldron, Frederick A., Westfield, N. J. Method of and apparatus for shaping golf-club faces and club produced thereby. 1,675,437; July 3.
Waldron, Frederick A., Westfield, N. J. Head for golf clubs. 1,690,388; Nov. 6.
Waldron, Harry E., Chicago, Ill., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Fountain-pen desk set. 1,658,147; Feb. 7.
Waldron, John, Company. (See Waldron, William H., assignor.)
Waldron, John, Corporation. (See Case, Lynn B., assignor.)
Waldron, John, Corporation. (See Dalton, George A., assignor.)
Waldron, John, Corporation. (See Dunham, John R., assignor.)
Waldron, John, Corporation. (See Waldron, W. H., and Case, assignors.)
Waldron, Jonathan G., Upper Montclair, N. J. Tile simulation. 1,669,639; May 15.
Waldron, William H., assignor to John Waldron Company, New Brunswick, N. J. Printing machine. 1,691,745; Nov. 13.
Waldron, William H., and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Printing machine. 1,662,689; Mar. 13.
Waldron, William H., and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Printing roll. 1,671,847; May 29.
Waldron, William H., and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Coating machine. 1,686,426; Oct. 2.
Walerowicz, Anna, Wyandotte, Mich. Fountain pen. 1,689,569; Oct. 30.
Wales, Rowland T., New Rochelle, N. Y. Wire anchor. 1,663,104; Mar. 20.
Wales, Rowland T., New Rochelle, assignor of one-half to A. C. Fraser, New York, N. Y. Wire clamp for concrete forms. 1,662,258; Mar. 13.
Walinsky, Ossip J., Sea Gate, assignor to Morris White Inc., New York, N. Y. Hand bag. 1,660,182; Feb. 21.
Walinsky, Ossip J., assignor to White Luggage Co. Inc., New York, N. Y. Luggage-locking device. 1,680,652; Aug. 14.
Walker, Albert H., Kenilworth, England, assignor to C. T. Weymann, Paris, France. Vehicle body. 1,673,853; June 19.
Walker, Albert R., St. Louis, Mo. Corn popping and vending apparatus. 1,689,265; Oct. 30.
Walker, Arthur W., Malden, and A. L. Smith, West Medway, assignors to Walker & Pratt Mfg. Co., Boston, Mass. Electric range. 1,692,065; Nov. 20.
Walker, Avery W., Gasport, N. Y. Dispensing mechanism for spraying machines. 1,664,802; Apr. 3.
Walker, Benjamin F., Bridgeport, Conn. Hand truck. 1,679,885; Aug. 7.
Walker, Brooks, Piedmont, Calif. Parking device for automobiles. 1,693,288; Nov. 27.
Walker, Carl F. (See Christian, C. H., and Walker.)
Walker, Charles W., assignor to Walker-Wallace Limited, Toronto, Ontario, Canada. Bottle-crate feed mechanism. 1,688,368; Oct. 23.
Walker, Clarence J., Salina, Kans., and G. F. Trautwein, Kansas City, Mo. Automobile seat construction. 1,695,871; Dec. 18.
Walker, Edmund H., New York, N. Y. Friction draft gear. 1,658,871; Feb. 14.
Walker, Edmund H., New York, N. Y. Draft gear. 1,682,817; Sept. 4.
Walker, Edmund H., New York, N. Y. Draft gear. 1,682,818; Sept. 4.
Walker, Edward, Grantwood, N. J. Plug for cleaning tubes. 1,683,429; Sept. 4.
Walker, Engraving Co. (See Gerland, Frederick J. M., assignor.)
Walker, Fletcher L., Westwood, Calif. Manufacturing plywood. 1,689,705; Oct. 30.
Walker, Fletcher L., Jr., Westwood, Calif. Rectifying system. 1,694,837; Dec. 11.
Walker, George H., assignor to Heenan & Froude Limited, Worcester, England. Hydraulic dynamometer. 1,685,735; Sept. 25.
Walker, Gus Huntington, W. Va. Brake-operating mechanism. 1,668,436; May 1.
Walker, H. H. (See Underwood, Western, assignor.)
Walker, Harold W., Edgewood Arsenal, Md. Wood preservation. 1,670,086; May 15.
Walker, Harry, assignor to National Manufacturing Company of America, Oil City, La. Automatic and coin-controlled multiple phonograph. 1,671,752; May 29.
Walker, Harry E., Elyria, Ohio. Draft faucet. 1,694,694; Dec. 11.
Walker, Harry L., assignor to Standard Oil Company, Whiting, Ind. Filter press. 1,694,956; Dec. 11.
Walker, Henry B., Marion, assignor to The Fairfield Engineering Company, Marion, Ohio. Method of and apparatus for handling material. 1,690,603; Nov. 6.
Walker, Hervey S., Ardmore, Pa. Underdoor duct system. 1,693,682; Dec. 4.
Walker, Hubert. (See Hall, E. J., and Walker.)
Walker, Hubert, Royal Oak, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Motor-vehicle bumper and mounting therefor. 1,665,336; Apr. 10.
Walker, Hubert, Royal Oak, and F. A. Whitten, Detroit, Mich., assignors to American Car and Foundry Motors Company, New York, N. Y. Vehicle bumper and fender and mounting means therefor. 1,685,618; Sept. 25.
Walker, Jack L., Dallas, Tex. Sound recording and reproducing device. 1,673,217; June 12.
Walker, Jack L., Dallas, Tex. Recording and reproducing of sound waves. 1,680,653; Aug. 14.
Walker, Jay P., assignor of forty percent to G. O. Marchant and six percent to C. G. Wells, Tulsa, Okla. Oil and gas separator. 1,661,685; Mar. 6.
Walker, Joseph, Co. (See Davis, Oliver L., assignor.)
Walker, Joseph D., Whitesburg, Tenn. Book holder. 1,666,803; Apr. 17.
Walker, Joseph L., Baton Rouge, La. Ladder. 1,655,526; Jan. 10.
Walker, Lewis P., Hartford, and L. O. Bergmann, Coloma, Mich. Folding rocking-chair. 1,694,933; Dec. 11.
Walker, Lloyd P. (See Smith, C. F., Thiele, and Walker.)
Walker, Lorena B., Irving Township, Barry County, Mich. Doll head. Des. 77,048; Nov. 27.
Walker, Madame C. J., Manufacturing Company, The. (See Joyner, Marjorie S., assignor.)
Walker Manufacturing Company. (See Dearsley, Irwin E., assignor.)
Walker Manufacturing Company. (See Ellwood, Charles D., assignor.)
Walker Manufacturing Company. (See Walker, W. H., Mizer, and Dearsley, assignors.)
Walker, Norman S., assignor to The Golfada Company, New York, N. Y. Golf binder. 1,683,505; Sept. 4.
Walker, O. S. Co. (See Tracy, Howard E., assignor.)
Walker, Otto, deceased, Zurich, Switzerland, by The Eldec Company, Inc., New York, N. Y., assignee. Pressing iron. Re16,886; Feb. 21.
Walker & Pratt Mfg. Co. (See Walker, A. W., and Smith, assignors.)
Walker, Robert G., assignor to The De Laval Separator Company, New York, N. Y. Purifying continuously-circulating machinery-lubricating oils. 1,658,362; Feb. 7.
Walker, Russell S., Duluth, Minn., assignor to Information Cabinet Company, St. Louis, Mo. Display cabinet. Des. 76,212; Aug. 28.
Walker, Samuel, Lille, France. Flyer spinning frame. 1,661,061; Feb. 28.
Walker, Thomas H., Kansas City, Mo., assignor to E. G. Spangler. Pumping device. 1,678,612; July 24.
Walker, Uel T., Eccles, W. Va. Tooth-paste-dispensing device. 1,688,512; Oct. 23.
Walker Vehicle Co. (See Carroll, John G., assignor.)
Walker Vehicle Company. (See Whitney, Eddy R., assignor.)
Walker-Wallace Limited. (See Walker, Charles W., assignor.)
Walker, Walter A., Atlanta, Ga. Binder for publications. 1,658,749; Feb. 7.
Walker, Ward C., Battle Creek, Mich. Sash fastener. 1,670,087; May 15.
Walker, Warren H., J. J. Mizer, and I. E. Dearsley, assignors to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,677,466; July 17.
Walker, Warren R., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Liquid-flow switch. 1,658,618; Feb. 7.
Walker, Warren R., New Dorp, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Switch mechanism. 1,658,619; Feb. 7.
Walker, Warren R., New Dorp, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Switch mounting. 1,695,260; Dec. 11.
Walker, Warren R., Great Kills, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury switch. 1,658,620; Feb. 7.
Walker, Warren R., Great Kills, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric switch. 1,676,752; July 10.
Walker, Warren R., Great Kills, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Liquid-flow switch. 1,676,753; July 10.
Walker, Warren R., Great Kills, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury switch. 1,676,754; July 10.
Walker, Warren R., Bloomfield, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Switch mechanism. 1,658,621; Feb. 7.
Walker, Willard R., Syracuse, N. Y. Culinary fixture. 1,696,464; Dec. 25.
Walker, William, and Sons Limited. (See Fogg, Richard C., assignor.)
Walker, William, Sawtelle, Calif. Combination cigarette holder and pipe. 1,678,754; July 31.

- Walker, William C., Tulsa, Okla. Piston resizer. 1,675,238; June 26.
- Walker, William D., Sacramento, Calif. Set of dice. 1,684,609; Sept. 18.
- Walker, William G., Minneapolis, Minn. Fruit jar or container. 1,683,822; Mar. 27.
- Walker, William L. (See Kivian, John L., assignor.)
- Walker, William L., New York, N. Y. Sound transmitter. 1,676,625; July 10.
- Walkiewicz, Alexander, Buffalo, N. Y. Surgical bandage. 1,670,916; May 22.
- Walkley, Frank H., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Wheel. 1,611,025; Feb. 28.
- Walkley, Lucius V., Plantsville, Conn. Screw driver. 1,677,572; July 17.
- Walkup, Bascom L., Mexia, Tex. Belt clamp. 1,680,919; Aug. 14.
- Wall, Arthur W., Sheldon, near Birmingham, assignor of three-fourths to John White, Handsworth, Birmingham, England. Cylinder of internal-combustion engines. 1,680,710; Aug. 14.
- Wall, Charles G., Brooklyn, N. Y. Calendar pad. 1,672,439; June 5.
- Wall, Katherine, Omaha, Nebr. Vehicle direction signal. 1,668,992; May 8.
- Wall, Katherine, Omaha, Nebr. Marcelling and permanent-wave irons. 1,678,890; July 31.
- Wall, Lester S. (See Ballou, Walter B. and H. M., and Wall.)
- Wall, Merl M. (See Zimmerman, Henry A., assignor.)
- Wallace, Agnes, et al., executors. (See Wallace, William.)
- Wallace, Benjamin F., Brooklyn, N. Y. Waterproof heat insulation and making same. 1,678,659; July 31.
- Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Carburetor. 1,665,239; Apr. 10.
- Wallace, Charles F., Westfield, and J. C. Baker, Nutley, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Apparatus for the therapeutic application of chlorine. 1,678,625; July 24.
- Wallace, Clifford E., Dallas, Oreg. Clam digger. 1,696,371; Dec. 25.
- Wallace & Co. (See Gsell, Eugène, assignor.)
- Wallace, Edwin C., Newton, Mass. Composite paving block. 1,689,415; Oct. 30.
- Wallace, Frank H., and W. H. Compton, Newry, S. C. Rocker-shaft bearing. 1,665,942; Apr. 10.
- Wallace, Frank W., assignor of one-half to B. Blair, Chattanooga, Tenn. Ice-handling device. 1,663,067; Mar. 20.
- Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,662,481; Mar. 13.
- Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,667,577; Apr. 24.
- Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for transmitting code-impulse combinations. 1,672,440; June 5.
- Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,675,584; July 3.
- Wallace, Herbert A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,691,096; Nov. 13.
- Wallace, Hugh, assignor to General Motors Research Corporation, Dayton, Ohio. Fuel-supply device. 1,667,090; Apr. 24.
- Wallace, Hugh, assignor to General Motors Research Corporation, Dayton, Ohio. Electromagnetic motor. 1,690,349; Nov. 6.
- Wallace, Hugh A., et al., executors. (See Wallace, William.)
- Wallace, J. D., & Company. (See Wallace, J. D., and Landis, assignors.)
- Wallace, James S., Louis, Mo. Tire-rim tool. 1,659,012; Feb. 14.
- Wallace, James F., assignor to Certo Corporation, Rochester, N. Y. Merchandise package. 1,686,354; Oct. 2.
- Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. Automatic balance for cotton-press side doors. 1,668,437; May 1.
- Wallace, John D., and C. H. Landis, Chicago, Ill., assignors to J. D. Wallace & Company. Electric bandsaw. 1,672,238; June 5.
- Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shackle construction. 1,688,841; Oct. 23.
- Wallace, Leslie M., and C. Baxter, Cushing, Iowa. Stock rack. 1,671,848; May 29.
- Wallace, Michael W., Rock Island, Ill. Nonpuncturable automobile wheel. 1,657,946; Jan. 31.
- Wallace, R., & Sons Mfg. Co. (See Clulee, Harry I., assignor.)
- Wallace, R., & Sons Mfg. Co. (See Hilbom, Henrik, assignor.)
- Wallace, R., & Sons Mfg. Co. (See Warren, William S., assignor.)
- Wallace, R., & Sons Mfg. Co. (See Wilkes, Samuel G., assignor.)
- Wallace, Robert V., Cheney, Wash. Animal trap. 1,659,063; Feb. 14.
- Wallace & Tiernan Co. (See Wallace, Charles F., assignor.)
- Wallace & Tiernan Products, Inc. (See Wallace, C. F., and Baker, assignors.)
- Wallace, William, deceased, Oldham, England; A. and H. A. Wallace, executors. Centrifugal friction clutch. 1,659,286; Feb. 14.
- Wallace, William A., Oakland, Calif. Traffic marker. 1,696,510; Dec. 25.
- Wallace, William G., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Radiator. 1,665,385; Apr. 10.
- Wallace, William S., et al., trustees. (See Davis, Kenneth, assignor.)
- Wallace, William S., et al., trustees. (See Peale, Richard, assignor.)
- Wallau, Alexander L., Cedarhurst, N. Y. Filler for cigar lighters. 1,678,494; July 24.
- Wallburg, William V., Boston, Mass. Method and apparatus for marking the top of confections. 1,673,344; June 12.
- Walle, Ludvig S., Scotia, N. Y., assignor to General Electric Company. Time-element device. 1,694,240; Dec. 4.
- Walle, Ludwig S., Scotia, N. Y., assignor to General Electric Company. Electric switch. 1,670,088; May 15.
- Wallenthin, Walfrid. (See Eksergian, E., and Wallenthin.)
- Wallenthin, Walfrid, assignor to The Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Lighter. Des. 77,275; Dec. 18.
- Waller, Anthony E., Providence, R. I. Pin-stem joint. 1,682,585; Aug. 28.
- Waller, Charles W., Fort Klamath, Oreg. Price gauge. 1,688,254; Oct. 16.
- Waller, Colby C., New York, N. Y. Coated metallic articles such as stereotypic plates and producing same. 1,684,565; Sept. 18.
- Waller, Paul H., London, England. Electrical display apparatus. 1,681,795; Aug. 21.
- Wallerstein Company. (See Wallerstein, Leo, assignor.)
- Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Making beverage extracts. 1,673,273; June 12.
- Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Making beverages. 1,673,274; June 12.
- Wallerstein, Leo, assignor to Wallerstein Company, Inc., New York, N. Y. Making alcohol-reduced cereal beverages rich in proteins. 1,673,275; June 12.
- Walley, V. R., et al. (See Dokkenwadel, Frederick G., assignor.)
- Walgren, August G. F., assignor to Luth & Roséns Elektriska Aktiebolag, Stockholm, Sweden. Yieldable coupling, toothed wheel, and the like. 1,673,959; June 19.
- Walgren, Paul T., Chicago, Ill. Wheeled toy vehicle. 1,686,427; Oct. 2.
- Wallick, Arbia E., York, Pa. Display box. 1,660,404; Feb. 28.
- Wallin, Gustaf E., and E. G. Masengarb, Omaha, Nebr., assignors to Chicago Lino-Tabler Company, Chicago, Ill. Rule-punching mechanism. 1,682,516; Aug. 28.
- Wallin, Hugo, Djursholm, Sweden. Producing cellulose and other chemical products. 1,660,696; Feb. 28.
- Wallin, Philip. (See Hauser, A., and Wallin.)
- Wallin, Philip, assignor to The Timken Roller Bearing Company, Canton, Ohio. Gauging machine. 1,676,879; July 10.
- Walline, Ruben L. (See Prosch, Floyd F., assignor.)
- Walling, Claude L., Sherburne, N. Y. Snowplow. 1,693,187; Nov. 27.
- Walling, Frank E. (See McKee, M., and Roach, assignors.)
- Wallis, Barnes N., assignor to Airship Guarantee Company, Limited, Westminster, London, England. Lighter-than-air craft. 1,658,821; Feb. 14.
- Wallis, Barnes N., and C. D. Burney, Westminster, London, assignors to Airship Guarantee Company, Limited, Westminster, England. Lighter-than-air aircraft. 1,661,206; Mar. 6.
- Wallis, Barnes N., Westminster, assignor to Airship Guarantee Company Limited, London, England. Mooring mast or mooring gear for lighter-than-air aircraft. 1,664,188; Mar. 27.
- Wallis, Barnes N., Westminster, assignor to Airship Guarantee Company, Limited, London, England. Airship. 1,666,112; Apr. 17.
- Wallis, Barnes N., assignor to Airship Guarantee Company, Limited, Westminster, London, England. Rigid airship. 1,675,009; June 26.
- Wallis, Claude I., and J. S. Amrock, Mobile, Ala. Adjustable grate-bar support. 1,689,604; Oct. 30.
- Wallis, Cyril T., assignor to North East Electric Company, Rochester, N. Y. Seal for instrument cases. 1,685,580; Sept. 25.
- Wallis, Harry C., and K. A. Robinson, London, England. Cap closure for the mouths of bottles or other containers. 1,690,148; Nov. 6.
- Wallis, Henry E., Detroit, Mich. Boiler furnace and garbage incinerator. 1,602,600; Nov. 6.
- Wallis, John S., Great Neck, N. Y., assignor to Franklin Railway Supply Company. Lateral motion for axle boxes. 1,678,558; July 10.
- Wallis, L. E., et al., trustees. (See Buchet, C. R., and Baker, assignors.)

- Wallis, Marie L., et al., executrices. (See Becker, Edmund.)
- Wallis, Walter C., Clovis, N. Mex. Wrench. 1,690,042; Oct. 30.
- Wallis, Walter C., Clovis, N. Mex. Boat propulsion. 1,690,043; Oct. 30.
- Walliser, Robert E., Chicago, Ill. Machine for making and applying tufts and the like. 1,660,536; Feb. 28.
- Walliser, Robert E., Chicago, Ill. Fringe-tasseling machine. 1,663,534; Mar. 20.
- Walls, Peter R., Oshawa, Ontario, Canada. Lock. 1,661,101; Feb. 28.
- Walmer, Irving G., and J. A. Sawyer, Albany, N. Y. Face guard or mask. 1,665,386; Apr. 10.
- Walper, Curry O., Detroit, Mich. Wall-board reinforcement. 1,684,899; Sept. 18.
- Walper, Curry O., assignor to Standard Plastering System, Inc., Detroit, Mich. Wall and ceiling construction. 1,669,730; May 15.
- Walper, Curry O., assignor to Standard Plastering System, Inc., Detroit, Mich. Reinforced plaster board. 1,685,254; Sept. 25.
- Walpole, Franklin D., McKenzie, Tenn. Heel plate for shoes and the like. 1,669,270; May 8.
- Walpole, George S. (See Garrard, Charles G., assignor.)
- Walrath, Otis M., Hanover, Ohio. Spare-tire carrier. 1,658,696; Feb. 7.
- Walsh, Arthur E., Chicago, Ill. Hair waver. 1,678,891; July 31.
- Walsh, Arthur E., Chicago, Ill. Switch. 1,694,569; Dec. 11.
- Walsh, Arthur E., Chicago, Ill. Hair waver. 1,696,823; Dec. 25.
- Walsh, Harry C. H., Chicago, Ill. Power press. 1,666,275; Apr. 17.
- Walsh, James, Swampscott, Mass., assignor to General Electric Company. Flow meter. 1,670,089; May 15.
- Walsh, James, Swampscott, Mass., assignor to General Electric Company. Indicating instrument. 1,672,666; June 5.
- Walsh, James M., Co. (See Walsh, James M., assignor.)
- Walsh, James M., assignor to James M. Walsh Co., Milwaukee, Wis. Harness construction. 1,663,105; Mar. 20.
- Walsh, James M., assignor to James M. Walsh Co., Milwaukee, Wis. Strap protector. 1,676,065; July 3.
- Walsh, Joseph W. (See Goodall, H. W., and Walsh.)
- Walsh, Patrick H., Newton, Mass., assignor to Caro Cloth Corporation, Carolina, R. I. Method of and apparatus for manufacturing textile fleece. 1,683,812; Sept. 11.
- Walsh, Philip J., San Francisco, Calif. Timing apparatus. 1,665,804; Apr. 10.
- Walsh, Philip J., San Francisco, Calif. Pulsation compensator. 1,669,958; May 15.
- Walsh, Philip J., San Francisco, Calif. Radio receiving system. 1,669,959; May 15.
- Walsh, Philip J., San Francisco, Calif. Repeater. 1,672,104; June 5.
- Walsh, Robert C., St. Louis, Mo. Merchandising cabinet. 1,681,883; Aug. 21.
- Walsh, Timothy, and H. S. Coover, Philadelphia, Pa. Variable-speed transmitting mechanism. 1,675,438; July 3.
- Walsh, Timothy, H. S. Coover, and J. V. Abronski, Philadelphia, Pa. Fluid speed transmitting mechanism. 1,667,274; Apr. 24.
- Walsh, William E., assignor of one-third to C. S. Reynolds and one-third to D. Maloney, New Haven, Conn. Grapefruit corer. 1,669,960; May 15.
- Walsh, William E., Gibsonburg, Ohio. Rail tongs. 1,673,130; June 12.
- Walsoe, Sigurd L., Lyndhurst, N. J., assignor to Remington Typewriter Company, Iliou, N. Y. Typewriting machine. 1,663,362; Mar. 20.
- Walstad, Adolph N., Tacoma, Wash. Hinge. 1,676,589; July 10.
- Walten, Ruth B. (See Mohler, Valentin J., assignor.)
- Walter, Charles. (See Knobel, Reinhard and E., assignors.)
- Walter, Chester A., Philadelphia, and F. B. Muhlenberg, Oakmont, Pa. Fuel for internal-combustion engines and motors. 1,669,181; May 8.
- Walter, Clarence H., Niles, Mich. Fish bait or lure. 1,686,114; Oct. 2.
- Walter, Edward C., Orange, N. J., assignor to The Elliott-Fisher Company, New York, N. Y. Selecting mechanism. 1,668,256; May 1.
- Walter, Edward C., Orange, N. J., assignor to The Elliott-Fisher Company, New York, N. Y. Selecting mechanism for calculating machines. 1,689,651; Oct. 30.
- Walter, Edward C., Orange, N. J., assignor to The Elliott-Fisher Company, New York, N. Y. Selective gear transmission for calculating machines. 1,689,983; Oct. 30.
- Walter, Frank J., assignor of one-half to G. B. Cady, Canastota, N. Y. Hollow punch. 1,665,805; Apr. 10.
- Walter, Fred C., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Bumper. 1,656,026; Jan. 10.
- Walter, Fred C., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Automobile bumper. 1,675,288; June 26.
- Walter, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Method and apparatus for forming an interiorly beaded or looped tearing-strip can. 1,689,605; Oct. 30.
- Walter, George F., and J. M. Hothersall, Brooklyn, assignors to American Can Company, New York, N. Y. Lunch kit. 1,693,127; Nov. 27.
- Walter, Hans, Mainz-Mombach, assignor to Verein für Chemische Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacture of addition compounds of unsaturated hydrocarbons. 1,669,384; May 8.
- Walter, Hans, Mainz-Mombach, assignor to Verein für Chemische Industrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Diffusion reaction. 1,685,759; Sept. 25.
- Walter, Harrison B., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Collapsible box. 1,656,307; Jan. 17.
- Walter, Harrison B., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Box. 1,672,684; June 5.
- Walter, Harrison B., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Wrapper. 1,675,147; June 26.
- Walter, Harrison B., assignor, by mesne assignments, to Container Corporation of America, Chicago, Ill. Packing doors, frames, and the like. 1,676,304; July 10.
- Walter, Henry A., Barberton, and J. R. Crossan, Wadsworth, Ohio, assignors to Seiberling Rubber Company. Manufacture of rubber tire treads. 1,690,514; Nov. 6.
- Walter, Hugo J. (See Davis, Henry K. B., assignor.)
- Walter, John P., Allentown, Pa. Shovel. 1,686,888; Oct. 9.
- Walter, Josef, Modling, Austria. Rail lifter. 1,668,294; May 1.
- Walter, Kurt, assignor to Dr. Med. Kaiser Kindersauger-Sterilisator Gesellschaft mit beschränkter Haftung, Berlin, Germany. Pocket sterilizer for nursing nipples. 1,657,050; Jan. 24.
- Walter, Maurice, New York, N. Y. Snowplow. 1,656,613; Jan. 17.
- Walter, Robinson. (See Slaymaker, S. R., and Walter.)
- Walter Scott & Company. (See Scott, David J.)
- Walters, August J., Maple Heights, Ohio. Record cabinet. 1,673,029; June 12.
- Walters, Charles A., Marion, Iowa. Automobile driving mechanism for implements. 1,686,193; Oct. 2.
- Walters, Daniel. (See Ingles, Raymond M., assignor.)
- Walters, Edward A., Youngstown, Ohio. Tire carrier. 1,665,647; Apr. 10.
- Walters, Herbert, and R. A. Hoerman, Detroit, Mich. Disk wheel. 1,662,622; Mar. 13.
- Walters, Herbert C. (See Chryst, W. A., and Walters.)
- Walters, Herbert C., and J. T. Fitzsimmons, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition system. 1,664,338; Mar. 27.
- Walters, Herbert H., Syracuse, N. Y. Fireplace. 1,681,449; Aug. 21.
- Walters, Rollo F., Detroit, Mich., assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,675,998; July 3.
- Walters, William J. (See Strengberg, Dewey M., assignor.)
- Walther Bag and Paper Company. (See Jewell, Theodore E., assignor.)
- Walther System, Inc. (See Folger, Henry C., assignor.)
- Walther, Ernest A., Danbury, Conn. Packing case for hats. 1,663,928; Mar. 27.
- Walther, Franz, Berlin, Germany. Toothed gearing for building toys. 1,690,349; Nov. 6.
- Walther, Ewald, Durlach, Baden, Germany. Press for the cold extruding of tubes from metal disks. 1,675,676; July 3.
- Walther, Fritz. (See Röger, K., Schoenleben, and Walther.)
- Walther, George, Montgomery County, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 1,665,485; Apr. 10.
- Walther, Martin, assignor to Det Norske Aktieselskab for Elektrokemisk Industrie of Norway, Oslo, Norway. Distance handling of electrodes. 1,686,302; Oct. 2.
- Walther, Martin, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Electrode. 1,691,505; Nov. 13.
- Walther, Wilhelm. (See Fischer, O., and Walther.)
- Walther, Wilhelm, and G. Rau, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Ignition device. 1,688,951; Oct. 23.
- Walke, Henry G., Jersey City, N. J. Door-framing device. 1,687,532; Oct. 16.
- Walton, Alfred L., Blackpool, England. Game apparatus. 1,676,755; July 10.
- Walton, Frederick S., and J. McKenzie, Smithers, British Columbia, Canada. Cattle guard. 1,678,926; July 31.
- Walton, Joseph S., Los Angeles, Calif. Stool for service counters. 1,680,828; Aug. 14.
- Walton, Mark, assignor of one-half to J. Scanlin, Ullin, Ill. Pump drain. 1,664,715; Apr. 3.
- Walton, Raphael, Philadelphia, Pa. Game. 1,689,984; Oct. 30.
- Walton, Robert E., Tacoma, Wash. Clamping device for valve-seat reamer pilots. 1,682,314; Aug. 28.
- Waltz, Foster V., St. Louis, Mo. Automobile awning. 1,686,050; Oct. 2.
- Wamelink, Engene C., Cleveland Heights, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Detachable connection. 1,692,477; Nov. 20.

- Wanamaker, Elmer M., assignor to Anaconda Sales Company, New York, N. Y. Apparatus for electrodeposition. 1,693,683; Dec. 4.
- Wanamaker, John, New York. (See Anderson, J. G., and Waldo, assignors.)
- Wanamaker, John, Philadelphia. (See Kratz, Howard L., assignor.)
- Wanat, Walenty, South Milwaukee, Wis. Garage or barn door lock. 1,661,982; Mar. 6.
- Wanbaugh, Charles C., New Dorp, N. Y. Shade holder. 1,660,734; Feb. 28.
- Wanders, Hans H., Boston, Mass. Spool and the like. 1,683,273; Sept. 4.
- Wanders, Hans H., Boston, Mass. Packaging machine. 1,692,429; Nov. 20.
- Wandersleb, Ernst, assignor to the firm Carl Zeiss, Jena, Germany. Mount for photographic objectives. 1,661,279; Mar. 6.
- Wandersleb, Ernst, assignors to the firm: Carl Zeiss, Jena, Germany. Finder for photographic cameras. 1,671,558; May 29.
- Wands, Thomas L., Spencer, N. C. Clothes-treating appliance. 1,662,350; Mar. 13.
- Wands, Washington I., Fairbury, Nebr. Switch-operating mechanism. 1,665,047; Apr. 3.
- Wandt, Anton J., et al. (See Koksma, Frank M., assignor.)
- Waner, Harry E. (See Kmentt, W. D., and Waner.)
- Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Speed-controlling device for continuous-strip-feeding means. 1,683,318; Sept. 4.
- Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing successive separate articles and apparatus therefor. 1,693,264; Nov. 27.
- Wanger, Edward M., Watkins, Minn. Animal trap. 1,656,926; Jan. 24.
- Wanner, Frederick W., St. Louis, Mo. Price marker. 1,696,824; Dec. 25.
- Wanner, George D., & Company. (See Miller, Milton P., assignor.)
- Wanner Malleable Castings Company. (See Keen, Louis E., assignor.)
- Wanner, Walter E. (See Atwood, E. H., Wanner, and Reese.)
- Wanninger, Curt K., and H. Hofmann, Bronxville, N. Y. Belt buckle. 1,682,450; Aug. 28.
- Wans, Oswald, Lincoln, England. Supply of liquid fuel to internal-combustion engines. 1,657,185; Jan. 24.
- Wantz, Julius B., Oak Park, assignor to Victor X-ray Corporation, Chicago, Ill. X-ray cooling system. 1,665,486; Apr. 10.
- Wantz, Julius B., Oak Park, and A. A. Grothe, assignors to Victor X-Ray Corporation, Chicago, Ill. Electrotherapeutic machine. 1,654,768; Jan. 3.
- Wappler Electric Company. (See Fayer, Charles, assignor.)
- Wappler Electric Company. (See Fayer, C., and Wappler, assignors.)
- Wappler Electric Company. (See Wappler, Reinhold H., assignor.)
- Wappler Electric Company. (See Wappler, F. H., Hultman, and Fayer, assignors.)
- Wappler, Frederick C. (See Wappler, R. H. and F. C.)
- Wappler, Frederick C., New York, N. Y. Binding post. 1,696,616; Dec. 25.
- Wappler, Frederick H. (See Fayer, C., and Wappler.)
- Wappler, Frederick H., Flushing, G. H. Hultman, Queens Village, and C. Fayer, Flushing, assignors to Wappler Electric Company, Inc., Long Island City, N. Y. Electro-surgical instrument. 1,683,708; Sept. 11.
- Wappler, Reinhold H., Yonkers, N. Y. Endoscope. 1,680,490; Aug. 14.
- Wappler, Reinhold H., Yonkers, N. Y. Vehicle window. 1,681,507; Aug. 21.
- Wappler, Reinhold H., Yonkers, N. Y., assignor to Wappler Electric Company, Inc. Brush for small motors and dynamos. 1,655,717; Jan. 10.
- Wappler, Reinhold H., Yonkers, assignor to Wappler Electric Company, Inc., Long Island City, N. Y. Metal-foil electrode. 1,662,446; Mar. 13.
- Wappler, Reinhold H., Yonkers, assignor to American Cystoscope Makers, Inc., Long Island City, N. Y. Rearward-vision surgical telescope. 1,695,672; Dec. 18.
- Wappler, Reinhold H., Yonkers, and F. C. Wappler, New York, N. Y. Illuminating surgical telescope. 1,680,491; Aug. 14.
- Warburg, Julius, Brooklyn, N. Y. Bag-frame fastener. 1,694,152; Dec. 4.
- Ward, Abraham D., Los Angeles, Calif. Saw guard. 1,662,372; Mar. 13.
- Ward, Albert C., Canonsburg, Pa. Pottery kiln. 1,664,142; Mar. 27.
- Ward, Andrew A., Oakland, Calif. Reversible window. 1,687,116; Oct. 9.
- Ward, Arthur C., Oakmont, assignor to The Autocar Company, Ardmore, Pa. Adjustable oil burner. 1,667,365; Apr. 24.
- Ward, Benjamin O., Cheoah, N. C. Power-transmission means. 1,691,834; Nov. 13.
- Ward, Charles A. (See Fischer, H. L., and Ward.)
- Ward, Charles A., assignor to Brown & Bigelow, St. Paul, Minn. Lighter. 1,672,919; June 12.
- Ward, Charles H. (See Manson, T. M., and Ward.)
- Ward, Daisy S., Brooklyn, N. Y. Child's garment. 1,696,559; Dec. 25.
- Ward, Ernest, Independence, Mo. Lock washer. 1,678,409; July 24.
- Ward, Erwin J., assignor to Eastman Kodak Company, Rochester, N. Y. Paster band for roll films. 1,666,050; Apr. 10.
- Ward, Fenn, Wheaton, Kans. Cushion for farm-implementation seats. 1,672,184; June 5.
- Ward, Foster T., Inez, Ky. Attachment for belts. 1,670,945; May 22.
- Ward, Fred J., Long Beach, Calif. Gas floor furnace. 1,672,590; June 5.
- Ward, Frederick K., Seattle, Wash. Clutch-operating device. 1,666,225; Apr. 17.
- Ward, H. H. (See Dick, Samuel M., assignor.)
- Ward, James A., Mallard, Iowa. Humidifier for cigar cases. 1,673,169; June 12.
- Ward, James H., jr., assignor to James H. Ward & Son, Inc., Buchanan, Mich. Mail-box door. Des. 75,309; May 22.
- Ward, James H., jr., assignor to James H. Ward & Son, Inc., Buchanan, Mich. Mail box. 1,683,217; Sept. 4.
- Ward, James H., jr., assignor to James H. Ward & Son, Inc., Buchanan, Mich. Mail box. 1,683,218; Sept. 4.
- Ward, James H., & Son, Inc. (See Ward, James H., jr., assignor.)
- Ward, James J. (See De Voe, W., and Ward.)
- Ward, John C., assignor to Milton Weaving Company, Boston, Mass. Narrow-fabric loom. 1,692,192; Nov. 20.
- Ward, John P., Cleveland, and R. E. Hyde, Cleveland Heights, assignors of one-third to H. J. Green, Cleveland, Ohio. Car-door lock. 1,684,980; Sept. 18.
- Ward-Love Pump Corporation. (See Clark, Thomas B., assignor.)
- Ward-Love Pump Corporation. (See Harwood, S. G., and Griswold, assignors.)
- Ward-Love Pump Corporation. (See Johnson, Oscar W., assignor.)
- Ward-Love Pump Corporation. (See Sweeney, Orland R., assignor.)
- Ward, Marshall H., Brooklyn, N. Y., assignor to Motor Improvements, Inc., Newark, N. J. Spiral filter. 1,690,564; Nov. 6.
- Ward, Milton F. (See Brownell, B. M., Sherer, and Ward.)
- Ward, Montague W. (See Gannon, J. E., and Ward.)
- Ward, Otto, and J. Compton, Binghamton, N. Y. Bed-rail brace. 1,60,465; Nov. 6.
- Ward, Paul S., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Weighing mechanism. 1,660,109; Feb. 21.
- Ward, Paul S., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Tempering, measuring, or weighing mechanism. 1,660,110; Feb. 21.
- Ward, Robert E., Kansas City, Mo. Locking mechanism for filling-tube caps. 1,662,482; Mar. 13.
- Ward, Samuel, Manufacturing Company. (See Balmforth, Ezra H., assignor.)
- Ward, Thomas, New Lexington, Ohio. Automobile starter. 1,691,417; Nov. 13.
- Ward, Walter S., and B. H. Britt, New York, N. Y., assignors, by mesne assignments, to Commercial Truck Company, Philadelphia, Pa. Battery cradle for electric trucks. 1,661,779; Mar. 6.
- Ward, Wilburt, Forest, Ohio. Stoker and the like. 1,667,230; Apr. 24.
- Ward, William C. (See Bacon, F. P., and Ward.)
- Ward, William C., Jamestown, assignor to The Borden Company, New York, N. Y. Automatic control mechanism. 1,696,659; Dec. 25.
- Ward, William E., Long Beach, Calif. Burglarproof sash fastener. 1,691,318; Nov. 13.
- Ward, William J., Hazelwood, assignor of one-half to C. F. Pugh, Pittsburgh, Pa. Grease gun. 1,679,511; Aug. 7.
- Ward, Willis C., Orchard Lake, Mich. Safety appliance for aeroplanes. 1,681,202; Aug. 21.
- Ward, Willis C., Orchard Lake, Mich. Game. 1,684,813; Sept. 18.
- Wardell, Arista M., et al. (See Gibson, Ezra B., assignor.)
- Wardell, Henry R., assignor to Johns-Manville, Inc., New York, N. Y. Ready roofing. 1,689,985; Oct. 30.
- Wardell, Joshua M., et al. (See Gibson, Ezra B., assignor.)
- Warden, H. C. (See Clemons, Thomas A., assignor.)
- Wardle, John, Vickerstown, Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Telemotor-operated liquid discharge and admission valve. 1,668,928; May 8.
- Ware, George A., Los Angeles, Calif. Capsule-filling apparatus. 1,658,423; Feb. 7.
- Ware, John, Pineville, Ky. Car-pipe coupler. 1,660,283; Feb. 21.
- Ware, John W., San Diego, Calif. Badge. Des. 74,404; Feb. 7.
- Ware, Paul, assignor to Ware Radio, Inc., New York, N. Y. Duplex radiocommunication. 1,672,855; June 5.
- Ware Radio, Inc. (See Blatterman, Albert S., assignor.)
- Ware Radio, Inc. (See Ware, Paul, assignor.)
- Ware, Raymond, Ithaca, N. Y. Internal-combustion engine. 1,657,490; Jan. 31.

- Ware, Walter F., Haddonfield, N. J., assignor to The Walter F. Ware Company. Syringe and medicine dropper. 1,696,250; Dec. 25.
- Ware, Walter F., Company, The. (See Ware, Walter F., assignor.)
- Wareham, Charles E., assignor to The American Laundry Machinery Company, Norwood, Ohio. Welded spring pad and making the same. 1,665,762; Apr. 10.
- Wareham, Charles E., and G. N. Link, Cincinnati, Ohio, assignors of one-half to The American Laundry Machinery Company, Norwood, Ohio, and one-half to United States Hoffman Machinery Corporation. Power pressing machine. 1,667,756; May 1.
- Warr, Karl A. A., Kungälv, Sweden. Cleaning the submerged surfaces of vessels. 1,673,539; June 12.
- Warfield, John R., Los Angeles, Calif., assignor to True-Title Corporation, Reno, Nev. Producing handmade tile. 1,663,106; Mar. 20.
- Warga, Kalman, New York, N. Y., assignor to C. W. Bickford and M. Bickford, Osceola Mills, Pa. Decorating glass surfaces. 1,693,735; Dec. 4.
- Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Propelling and transmission mechanism for vehicles. 1,661,780; Mar. 6.
- Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Control of gasoline electric power systems. 1,662,092; Mar. 13.
- Warhus, Oliver F., Albany, N. Y., assignor, by mesne assignments, to Versare Corporation. Double-truck vehicle. 1,666,921; Apr. 24.
- Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Spring suspension for vehicles. 1,667,275; Apr. 24.
- Warhus, Oliver F., Albany, N. Y., assignor to Versare Corporation. Vehicle. 1,673,786; June 12.
- Waring, Ethel B., New York, N. Y. Educational material. 1,656,030; Jan. 10.
- Waring, Olaf I., Long Island City, N. Y. Filling machine. 1,675,741; July 3.
- Waring, William B., Bronx, N. Y. Amusement apparatus. 1,680,350; Aug. 14.
- Warlick, Bernie C., Amarillo, Tex. Indoor golf. 1,669,640; May 15.
- Warmack, George, Fort Smith, Ark. Gas burner. 1,656,549; Jan. 17.
- Warman, Nathan W., Los Angeles, Calif. Sand-throwing machine for foundries. 1,673,276; June 12.
- Warmbier, Emil. (See Bessman, F. A., and Warmbier.)
- Warmington, Arthur L., Oakland, Calif. Steering wheel. 1,665,337; Apr. 10.
- Warmoth, George W., Indianapolis, Ind. Machine for cleaning and disinfecting substances. 1,672,105; June 5.
- Warndorf, Gerhard J., Cincinnati, Ohio. Brake-controlled circuit closer. 1,671,799; May 29.
- Warne, Oakley H., Elburn, Ill. Railroad spike. 1,680,351; Aug. 14.
- Warne, Walter C., assignor of one-half to F. J. Sanders, Los Angeles, Calif. Making plastic casts. 1,675,202; June 26.
- Warner, Arthur W., Media, Pa. Method and apparatus for dehydrating tar. 1,689,309; Oct. 30.
- Warner Brothers Company, The. (See Nickerson, Gertrude L., assignor.)
- Warner, Chester E. (See Benjamin, R. B., and Warner.)
- Warner, Chester E., Berwyn, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch construction. 1,679,846; Aug. 7.
- Warner, Chester E., Berwyn, assignor to Benjamin Electric Mfg. Co., Chicago, Ill. Rheostat. 1,693,009; Nov. 27.
- Warner, Clarence. (See Buvinger, G. A., and Warner.)
- Warner, Clarence, assignor to Delco-Light Company, Dayton, Ohio. Pump. 1,693,418; Nov. 27.
- Warner, Clarence W. (See Burns, R. M., and Warner.)
- Warner, Daniel W., near Edmonton, Alberta, Canada. Cultivator and weed destroyer. 1,676,172; July 3.
- Warner, Donald F., Lynn, Mass., assignor to General Electric Company. Governing mechanism for elastic-fluid turbines. 1,669,108; May 8.
- Warner, Edgar. (See Scott, H. B., and Warner.)
- Warner, Frank E., Seattle, Wash. Folding box. 1,684,931; Sept. 18.
- Warner, Frank E., assignor to Seoville Manufacturing Company, Waterbury, Conn. Tack-fastened stud for snap fasteners. 1,690,082; Oct. 30.
- Warner, Fred W., Denver, Colo. Toy fire-engine house and cab box. 1,693,128; Nov. 27.
- Warner Gear Company. (See White, Samuel O., assignor.)
- Warner Gear Company. (See White, S. O., and Plexico, assignors.)
- Warner, George B., New York, N. Y. Combined radiator cap and filling tube. Des. 74,994; Apr. 24.
- Warner, James, Ogden, Utah. Resilient wheel. 1,692,011; Nov. 20.
- Warner, James H. (See Bugg, Owen T., assignor.)
- Warner, James T., Detroit, assignor to Whitehead and Kales Company Incorporated, River Rouge, Mich. Permanent mold. 1,688,602; Oct. 23.
- Warner Jewelry Case Company. (See Warner, R. J., and Schaefer, assignors.)
- Warner, Lester C., Kansas City, Mo., assignor, by mesne assignments, to International Accounting Machine Co., New York, N. Y. Adding machine. 1,660,638; Feb. 28.
- Warner, Noah L., Okron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-splicing method and apparatus. 1,687,811; Oct. 16.
- Warner, Rudolph J., and J. Schaefer, assignors to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry box. 1,681,755; Aug. 21.
- Warner, Russell A., Schenectady, N. Y., assignor to General Electric Company. Frequency changer. 1,655,252; Jan. 3.
- Warner, Sterling W., Boundbrook, N. J., assignor to Pathe Exchange, Inc., New York, N. Y. Film reel. 1,667,501; Apr. 24.
- Warner and Swasey Company, The. (See Burrell, E. P., and Drake, assignors.)
- Warner & Swasey Company, The. (See Cole, L. M., Halter, and Lewis, assignors.)
- Warner & Swasey Company, The. (See Craig, James A., assignor.)
- Warner and Swasey Company, The. (See Lange, M. E., and Evans, assignors.)
- Warner and Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
- Warner, William F. jr., assignor to Henry Conolly Company, Inc., Rochester, N. Y. Leaf binder. 1,173,170; June 12.
- Warner, William F., jr., assignor to Henry Conolly Company, Inc., Rochester, N. Y. Loose-leaf binder. 1,693,684; Dec. 4.
- Warnick, George D., Jenkintown, Pa. Distributing system for brickyards and the like. 1,692,970; Nov. 27.
- Warnock, Andrew F., assignor of one-third to T. Tesdal, Portland, Oreg. Table. 1,689,652; Oct. 30.
- Warnock, Wallace S., Chicago, Ill. Clamping device. 1,680,030; Aug. 7.
- Warp Compressing Machine Company. (See Longvall, Raymond C., assignor.)
- Warp Compressing Machine Company. (See Remington, Arthur L., assignor.)
- Warp Twisting-In Machine Company. (See Becker, John H., assignor.)
- Warr, Albert W., et al. (See Akeyson, S. M., and Ferlin, assignors.)
- Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,668,619; May 8.
- Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,680,437; Aug. 14.
- Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Tool for applying rail anchors. 1,680,438; Aug. 14.
- Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,684,208; Sept. 11.
- Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Manufacturing rail anchors. 1,685,255; Sept. 25.
- Warren, Alonzo V., Hastings-on-Hudson, N. Y. Exhibiting apparatus or amusement device. 1,679,755; Aug. 7.
- Warren Brothers Company. (See Schutte, August E., assignor.)
- Warren, Clinton J., Winchester, Mass. Convertible automobile. 1,658,110; Feb. 7.
- Warren, David, Roxbury, Mass. Garment bag. 1,661,644; Mar. 6.
- Warren, David, Roxbury, Mass. Garment bag. 1,661,645; Mar. 6.
- Warren Featherbone Co., The. (See Chamberlain, Frederick W. and E. B., assignors.)
- Warren, Frank, assignor to The Derby Company, Seattle, Wash. Lubricating device. 1,660,943; Feb. 28.
- Warren, Frank H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling apparatus. 1,658,822; Feb. 14.
- Warren, George E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 1,681,961; Aug. 28.
- Warren, Glenn B. (See Buckland, B. O., and Warren.)
- Warren, Harry R., Chicago, Ill., assignor to Warren Seed Cleaning Company, Reno, Nev. Method and apparatus for cleaning, separating, and grading seeds and other bodies. Re16,981; May 29.
- Warren, Harry R., Chicago, Ill., assignor to Warren Seed Cleaning Company, Reno, Nev. Method and apparatus for separating seeds and other bodies. Re17,003; June 19.
- Warren, Herbert P., King Williams Town, Cape Colony, South Africa. Holder for skins of wool and the like. 1,659,416; Feb. 14.
- Warren, Jay F. (See Systrom, E. W., and Warren.)
- Warren, John G. (See Stewart, E., and Warren.)
- Warren, John T., Brooklyn, N. Y. Railway car. 1,685,792; Oct. 2.
- Warren Manufacturing Company, The. (See Bidwell, George L., assignor.)
- Warren, Robert M. (See Van Deventer, H. R., and Warren.)
- Warren, Roscoe F., Los Angeles, Calif. Combination holster and belt. Des. 75,667; June 26.
- Warren, Roscoe F., Los Angeles, Calif. Saddle. Des. 76,907; Nov. 13.
- Warren, Roscoe F., Los Angeles, Calif. Rifle-stock-butt cartridge belt and countersunk rifle-sling loop. 1,693,289; Nov. 27.
- Warren Seed Cleaning Company. (See Warren, Harry R., assignor.)
- Warren, Stephen R., Dayton, Ohio. Air scoop. 1,691,218; Nov. 13.

- Warren Webster & Company. (See Fitts, James L., assignor.)
- Warren Webster & Company. (See Shultz, Earle, assignor.)
- Warren, William S., Meriden, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 76,333; Sept. 11.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 76,334; Sept. 11.
- Warren, William S., Meriden, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 77,340; Dec. 25.
- Warrick, Charles F. (See Stitt, R. R., and Warrick.)
- Warrick, Charles F., assignor to Penberthy Injector Company, Detroit, Mich. Igniter for oil burners. 1,687,273; Oct. 9.
- Warriner, Paul S. (See Piatt, James L., assignor.)
- Warrington, William W., Summer Hill, New South Wales, Australia. Machine for preparing paper to enable portions to be easily detached. 1,678,410; July 24.
- Warshaw, Nathaniel. (See Shepard, F. J., jr., and Warshaw.)
- Warshaw, Nathaniel, Boston, assignor to Lewis-Shepard Company, Watertown, Mass. Governing mechanism for load-hoisting machines. 1,687,186; Oct. 9.
- Warth, Albin H., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Closure for bottles and the like. 1,656,614; Jan. 17.
- Warth, Albin H., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Bottle cap. 1,657,772; Jan. 31.
- Warth, Nathaniel G., Gallipolis, Ohio. Scavenging muffler for automotive engines. 1,658,402; Feb. 7.
- Warthen Train Control Corporation. (See Browne, Walter A., assignor.)
- Warthen Train Control Corporation. (See McCathran, William R., assignor.)
- Warwick China Company. (See Barkby, Harry, assignor.)
- Warwick, Harold L., Fort Worth, Tex. Teaching the deaf to hear and mutes to speak. 1,676,716; July 10.
- Warwick, Orlo K., Binghamton, N. Y. Locking device for tire carriers for automobiles. 1,656,654; Jan. 17.
- Wasberg, Axel. (See Tobin, K. J., Wasberg, and Madland.)
- Wasberg, Axel and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Corner entrance in house cars. 1,674,752; June 26.
- Wasch, Louis, Mahanoy City, Pa. Display device for screens. 1,688,255; Oct. 16.
- Wasche, Peter, Perham, Minn. Plow hitch. 1,657,051; Jan. 24.
- Waschnack, Adolf, Neu Finkenkrug, assignor to Siemens & Halske Aktiengesellschaft Werneverk, Siemensstadt, near Berlin, Germany. Telephone system. 1,682,055; Aug. 28.
- Wasige, Charles, Ruehl, assignor to Henri & Maurice Farman, Billancourt, Seine, France. Undercarriage for motor vehicles. 1,675,071; June 26.
- Waselak, Joseph, Minneapolis, Minn. Valve lock. 1,694,086; Dec. 4.
- Washburn Company, The. (See Andrews, Arthur G., assignor.)
- Washburn Company, The. (See Williams, Myrl J., assignor.)
- Washburn, Edwin C., Englewood, N. J. Motor-vehicle transmission mechanism. 1,655,078; Jan. 3.
- Washburn, Edwin C., Englewood, N. J. Method and apparatus for casting ingots. 1,670,329; May 22.
- Washburn, Fred, and J. R. Sheldon, assignors, by mesne assignments, to The New Haven Sand Blast Company, New Haven, Conn. Sand-blast machine. 1,660,058; Feb. 21.
- Washburn & Granger, Inc. (See Washburn, Montross, assignor.)
- Washburn, Herbert I., Magnolia, N. J. Agricultural apparatus. 1,690,761; Nov. 6.
- Washburn, John M., assignor to The Merrow Machine Company, Hartford, Conn. Bucket for use in hardening furnaces. 1,690,466; Nov. 6.
- Washburn, Leon S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Mold. 1,679,554; Aug. 7.
- Washburn, Lorenzo S., assignor to Norton Company, Worcester, Mass. Diffusion plate. 1,681,890; Aug. 21.
- Washburn, Montross, Ossining, assignor to Washburn & Granger, Inc., New York, N. Y. Incinerator. 1,665,487; Apr. 10.
- Washburn, Walter B. C., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Distributing device. 1,694,897; Dec. 11.
- Washburne, Arthur L., Los Angeles, Calif. Water cooler. 1,692,066; Nov. 20.
- Washburne, William H., Chicago, assignor, by mesne assignments, to Motor Valves, Inc., Woodstock, Ill. Making two-piece valves. 1,663,784; Mar. 27.
- Washington, Bowden, New York, N. Y. Single-control receiver. 1,659,417; Feb. 14.
- Washington, Dixon E., Kansas City, Mo. Speed reducer. 1,685,256; Sept. 25.
- Washington, John, Waco, Tex. Cultivator. 1,667,878; May 1.
- Washington, Juluies, Ravena, N. Y. Hand starter for automobiles. 1,683,111; Sept. 4.
- Wasil, Albert P. (See Masley, F. S., and Wasil.)
- Waskevich, Wacław, Ludlow, Vt. Bottle-cap remover. 1,661,981; Mar. 6.
- Waskom, Clark, Rockford, Ill. Handle for screw drivers or similar tools. 1,660,537; Feb. 28.
- Wassell, Helen E. (See Jackson, L. E., and Wassell.)
- Wassener, William, Grand Rapids, Mich. Casement adjuster. 1,682,205; Aug. 28.
- Wasserfallen, Charles F., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Tire carrier. 1,672,356; June 5.
- Wasserfallen, Charles F., assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Driving mechanism for refrigerant compressors. 1,672,835; June 5.
- Wasserkampf, Friedrich R., assignor to the firm: Neufeldt & Kuhnke Betriebsgesellschaft m. b. H., Kiel, Germany. Pointer telegraph. 1,673,894; June 19.
- Wasson, George J., Pittsburgh, Pa., Sanitary cover for toilet seats. 1,659,341; Feb. 14.
- Wasson, Harry C., and L. L. Collins, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, New York, N. Y. Control apparatus for oil engines. 1,682,875; Sept. 4.
- Wasson, Robert B., Cranford, N. J. Scale. 1,657,139; Jan. 24.
- Wasson, Robert B., Cranford, N. J. Gauging machine and process for gauging packing rings. 1,662,648; Mar. 13.
- Wasson, Robert B., Cranford, N. J. Piston ring and making the same. 1,691,746; Nov. 13.
- Wasson, Robert B., Cranford, N. J. Ring-tensioning machine. 1,695,037; Dec. 11.
- Wastak, Joseph, Chicago, Ill. Oat sprouter. 1,688,407; Oct. 23.
- Waterbury Buckle Co. (See La Vigne, Jerome R., assignor.)
- Waterbury Buckle Co. (See Moore, R. A., and La Vigne, assignors.)
- Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Pettijean, Clifford O., assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Pierson, William D., assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
- Waterbury Tool Company, The. (See Fowler, Harry P., assignor.)
- Waterbury Tool Company, The. (See Francis, Daniel R., assignor.)
- Waterbury Tool Company, The. (See Robson, John, assignor.)
- Waterhouse, Harold D., West Hartford, Conn., assignor to W. A. Ready, Brookline, Mass. Adjusting device for wireless apparatus. 1,668,127; May 1.
- Waterman, Frank N., Summit, N. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating apparatus. 1,665,571; Apr. 10.
- Waterman, J. S., jr. (See Serpas, Ernest J., assignor.)
- Waterman, Leon R., Flushing, assignor to The Time Table Advertiser, Inc., New York, N. Y. Combined time-table, ticket holder, and advertising device. 1,690,083; Oct. 30.
- Waterman, Max L., Fairfield, and G. A. Fleckenstein, Stratford, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machines. 1,689,810; Oct. 30.
- Waterman, Nixon, Canton, Mass. Plant support. 1,676,468; July 10.
- Waterman, Russell R. (See French, C. A., and Waterman.)
- Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank, trustee, Greenville, Ohio. Vaporizing apparatus for liquid fuels. 1,658,582; Feb. 7.
- Waterman, Russell R., Long Beach, Calif., assignor to Farmers' National Bank, trustee, Greenville, Ohio. Operating control means for automotive steam-power plants. 1,681,508; Aug. 21.
- Watermon, Irvin R., assignor of one-half to C. Reinemer, Overland, Mo. Surveyor's apron. 1,675,072; June 26.
- Watrous Fire Engine Works. (See Storey, Leonidas P., assignor.)
- Waters, Charles B., Montclair, N. J. Automobile heater. 1,668,533; May 1.
- Waters, Charles B., Montclair, N. J. Automobile circulation and heating system. 1,684,900; Sept. 18.
- Waters, Daniel V. (See Zimmermann, W. F., and Waters.)
- Waters-Genter Company. (See Forbes, Thomas C., assignor.)
- Waters, Gilbert C., jr., assignor to The E. C. Brown Company, Rochester, N. Y. Spraying apparatus. 1,691,097; Nov. 13.
- Waters, Harry F., St. Louis, Mo. Necktie. 1,654,769; Jan. 3.
- Waters, Harry F., St. Louis, Mo. Valve action for pipe organs. 1,665,863; Apr. 10.
- Waters, Harry H., Clinton, Iowa, assignor to Climax Engineering Company, Clutch and control mechanism. 1,681,384; Aug. 21.
- Waters, Harry J., San Francisco, Calif. Saxophone. 1,683,219; Sept. 4.
- Waters, John F., Chicago, Ill. Steam cooker. 1,659,064; Feb. 14.
- Waters, Joseph M., assignor to The Great Atlantic & Pacific Tea Co., Jersey City, N. J. Coffee bin. 1,660,284; Feb. 21.

- Waters, Lawrence W., Los Angeles, Calif. Electric windshield wiper. 1,655,670; Jan. 10.
- Waters, Lawrence W., Los Angeles, Calif. Electric windshield wiper. 1,665,570; Apr. 10.
- Waters, Thomas, et al. (See Gessner, Joseph J., assignor.)
- Waters, Vance S., Seattle, Wash. Minnow. 1,681,316; Aug. 21.
- Waters, William J., Elizabeth, assignor to The Watson-Stillman Co., New York, N. Y. Hydraulic jack. Re16,989; June 5.
- Waterville Iron Works. (See Philbrick, Frank B., assignor.)
- Waterworth, Eric N., West Hobart, Tasmania, Australia. Stopping means adapted to talking machines. 1,659,847; Feb. 21.
- Waterworth, Eric N., West Hobart, Tasmania, Australia. Stopping means of talking machines. 1,685,471; Sept. 25.
- Waterworth, Robert J., assignor of one-half to L. M. Studevant, Sidney, Ohio. Feeding machine. 1,656,406; Jan. 17.
- Watkin, William M., and G. C. Finley, Long Beach, Calif. Water-closet ventilator. 1,685,891; Oct. 2.
- Watkins, Charles W., Kingston, Pa. Electric-lamp-holding attachment for miners' caps. 1,689,090; Oct. 23.
- Watkins, Clement H., Phoenixville, Pa. Electric-lamp manipulator. 1,655,979; Jan. 10.
- Watkins, Devereux J. G., Lincoln, England. Windproof lamp. 1,693,704; Dec. 4.
- Watkins, Harold L., and L. J. Eveland, Los Angeles, Calif. Fabric puffer. 1,677,573; July 17.
- Watkins, Irah J., Cincinnati, Ohio, assignor to D. Andrews, Indianapolis, Ind., and J. L. Arnout, Buffalo, N. Y. Automobile steering gear. 1,675,520; July 3.
- Watkins, James A., assignor, by mesne assignments, to American Blower Corporation, Detroit, Mich. Centrifugal fan. 1,691,319; Nov. 13.
- Watkins, Jesse R., St. Joseph, Mo., assignor to The American Society for the Prevention of Cruelty to Animals, New York, N. Y. Cattle-knocking tool. 1,655,671; Jan. 10.
- Watkins, Rotcher H., Durham, N. C. Advertising sign. 1,690,149; Nov. 6.
- Watkins, Stanley S. A., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical translating device. 1,672,967; June 12.
- Watkins, Walter W., Moulton, Ala. Cotton chopping machine. 1,678,542; July 24.
- Watkins, William E., assignor to Copper Plate Sheet and Tube Company, New York, N. Y. Furnace for treating metal. 1,679,359; Aug. 7.
- Watkins, William O. T., Little Rock, Ark. Playground swing. 1,687,408; Oct. 9.
- Watkinson, Frederick J., assignor of one-half to J. N. Ratcliffe, Strathroy, Ontario, Canada. Door fastener. 1,684,814; Sept. 18.
- Watling, John B., Chicago, Ill. Weighing mechanism. 1,680,579; Aug. 14.
- Watling, Thomas W. B., Chicago, Ill. Vending-machine cabinet. Des. 76,591; Oct. 9.
- Watlington, William H., Denver, Colo. Brake-releasing device. 1,696,702; Dec. 25.
- Watres, Lewis S., Scranton, Pa., assignor to National Graphite Lubrication Company, Wilmington, Del. Apparatus for abrading graphite or similar material. 1,685,892; Oct. 2.
- Watres, Lewis S., Scranton, Pa., assignor to National Graphite Lubrication Company, Wilmington, Del. Apparatus for abrading graphite or similar material. 1,693,736; Dec. 4.
- Watres, Lewis S., Scranton, Pa., assignor to National Graphite Lubrication Company, Wilmington, Del. Lubrication and apparatus therefor. 1,694,153; Dec. 4.
- Watrous, Clifford M., assignor to Gong Bell Manufacturing Company, East Hampton, Conn. Wheel for toys. 1,666,611; Apr. 17.
- Watrous, Clifford M., assignor to Gong Bell Manufacturing Company, East Hampton, Conn. Toy wheel. 1,682,715; Aug. 28.
- Watrous, Earl G., Chicago, Ill. Flushing valve. 1,689,540; Oct. 30.
- Watry, John T. (See Werra, C., and Watry.)
- Watson, Albert L., and G. L. Barden, Penn Yan, N. Y. Feeding mechanism. 1,680,187; Aug. 7.
- Watson, Bazel R. (See St. Clair, O., and Watson.)
- Watson Brothers Machine Company. (See Watson, Robert F., assignor.)
- Watson, C. H., et al. (See Baker, Thomas T., assignor.)
- Watson, Charles S., Toronto, Ontario, Canada. Closure for containers. 1,676,846; July 10.
- Watson, Clement W. (See Denman, I. O., and Watson.)
- Watson, Cornelius B. (See Carr, R. H., and Watson.)
- Watson, Cornelius B., Columbus, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Separating hydrocarbons. 1,673,854; June 19.
- Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Printing-telegraph system. 1,655,448; Jan. 10.
- Watson, Edward F., Larchmont, and A. Weaver, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Picture-transmitting system. 1,664,652; Apr. 3.
- Watson, Edward P., Floral Park, N. Y. Wheeled toy device. 1,662,447; Mar. 13.
- Watson, Eustace, Ponteland, assignor to Henry Watson & Sons, Limited, Newcastle-upon-Tyne, England. Electrically-driven lawn mower. 1,674,847; June 26.
- Watson Experimental Laboratory Company, The. (See Mittendorf, William R., assignor.)
- Watson, George D., Torrance, Calif. Oil-well apparatus. 1,683,745; Sept. 11.
- Watson, George D., Torrance, Calif. Oil-well tool. 1,685,472; Sept. 25.
- Watson, George D., Torrance, Calif. Cleaning casings. 1,695,749; Dec. 18.
- Watson, George E., Ponca City, Okla. Spudding shoe. 1,673,960; June 19.
- Watson, Glenn W., Detroit, Mich. Electric lock. 1,695,518; Dec. 18.
- Watson, Harley M., Omaha, Nebr. Plug inserter for tire casings. 1,657,810; Jan. 31.
- Watson, Harold L., Lynn, Mass., assignor to General Electric Company. Filter plate. 1,669,362; May 8.
- Watson, Harold L., Lynn, Mass., assignor to General Electric Company. Cellular silica product and method of fabrication. 1,669,363; May 8.
- Watson, Harold L., Lynn, Mass., assignor to General Electric Company. Electric furnace. 1,672,667; June 5.
- Watson, Harold L., Highland Park, assignor, by mesne assignments, to American Incubators, Inc., New Brunswick, N. J. Incubator. 1,694,674; Dec. 11.
- Watson, Harry, Yorkshire, England. Projection apparatus and method. 1,689,266; Oct. 30.
- Watson, Henry, & Sons, Limited. (See Watson, Eustace, assignor.)
- Watson, Herbert H. (See Jennings, V. H., and Watson.)
- Watson, Herbert H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector in transfer arm. 1,663,929; Mar. 27.
- Watson, Herbert H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Slide cradle for weft-replenishing looms. 1,663,930; Mar. 27.
- Watson, James R. C., Philadelphia, Pa. Window shield. 1,693,167; Nov. 27.
- Watson, John F., Abbey Wood, England. Joint for electric cables. 1,672,357; June 5.
- Watson, John W., Philadelphia, Pa. Friction member. 1,670,224; May 15.
- Watson, John W., Wayne, and R. F. Nowalk, assignors to John Warren Watson Company, Philadelphia, Pa. Shock-absorber casing. Des. 76,272; Sept. 4.
- Watson, John Warren, Wayne, Pa. Spring shackle. 1,682,586; Aug. 28.
- Watson, John Warren, Company. (See Watson, J. W., and Nowalk, assignors.)
- Watson, Joseph L., Norlina, N. C. Adjustable shoe jack. 1,671,689; May 29.
- Watson, Joseph R., Berkeley, Calif. Fire-resisting composition. 1,663,577; Mar. 27.
- Watson, Leonard E., St. Marys, W. Va. Brake-band tool. 1,665,150; Apr. 3.
- Watson, Neil A., Fayetteville, N. C. Road making and repairing machine. 1,655,980; Jan. 10.
- Watson, Ray P., Russell, Kans. Swab for deep wells. 1,674,812; June 26.
- Watson, Reid, Lawrenceville, N. J. Coffee percolator. 1,678,543; July 24.
- Watson, Richard M., Detroit, Mich. Loose-leaf binder. 1,670,130; May 15.
- Watson, Robert F., assignor to Watson Brothers Machine Company, Incorporated, East Boundbrook, N. J. Machine for cutting oil grooves and the like. 1,658,470; Feb. 7.
- Watson-Stillman Co., The. (See Waters, William J., assignor.)
- Watson, Theodore, East Melbourne, assignor to Watsonia Engineering and Manufacturing Company Proprietary Limited, Melbourne, Australia. Attachment to sound-reproducing machines for record cleaning. 1,654,713; Jan. 3.
- Watson, William P. (See Babcock, E., and Watson.)
- Watsonia Engineering and Manufacturing Company Proprietary Limited. (See Watson, Theodore, assignor.)
- Watt, James A. D., London, England. Fastening for boxes or cases containing rotary sharpening apparatus for razors and edge tools. 1,677,064; July 10.
- Watt, George E. (See Dawson, A. T., Watt, and Perham.)
- Watt, Homer S., Chicago, Ill., assignor to Gordon Motor Crib Company, Port Chester, N. Y. Bassinet. 1,689,091; Oct. 23.
- Watt, William R. H. (See De Arnold, W. C., and Watt.)
- Wattenbarger, Jacob N., et al. (See Long, Wilber L., assignor.)
- Watters, John H., Anniston, Ala. Track sander. 1,674,935; June 26.
- Watters, Luther A., and E. L. Reller, St. Louis, Mo., assignors, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Accounting apparatus. 1,658,363; Feb. 7.
- Wattie, William M., Worcester, Mass. Mat. 1,686,303; Oct. 2.
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Lock knife for Knowles heads. 1,674,001; June 19.

- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Cylinder for Knowles heads. 1,683,220; Sept. 4.
- Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness motion for looms. 1,691,143; Nov. 13.
- Watts, Edward J., Oakland, Calif. Show case. Des. 74,202; Jan. 3.
- Watts, Felix J., assignor to H. A. Douglas, Bronson, Mich. Automotive-vehicle ignition system. 1,664,911; Apr. 3.
- Watts, Felix J., assignor to H. A. Douglas, Bronson, Mich. Lock. 1,666,319; Apr. 17.
- Watts, Felix J., assignor to H. A. Douglas, Bronson, Mich. Lock-controlled electric switch. 1,666,320; Apr. 17.
- Watts, Felix J., assignor to H. A. Douglas, Bronson, Mich. Automotive vehicle ignition system. 1,687,274; Oct. 9.
- Watts, Felix J., assignor to H. A. Douglas, Bronson, Mich. Locking mechanism. 1,692,878; Nov. 27.
- Watts, Frank E., assignor to Hupp Motor Car Corporation, Detroit, Mich. Frame construction. 1,673,171; June 12.
- Watts, George E., Portland, Oreg. Photographic camera. 1,653,850; Jan. 10.
- Watts, George W., assignor to Standard Oil Company, Whiting, Ind. Distillation. 1,689,606; Oct. 30.
- Watts, John S. (See Duckham, A. M., Rider, and Watts.)
- Watts, John S., Los Angeles, Calif. Variable-speed oil-well-rig drive. 1,659,645; Feb. 21.
- Watts, John S., Los Angeles, Calif. Pipe-line-sampling device. 1,691,687; Nov. 13.
- Watts, Richard E., Stamford, England. Multicylinder reciprocating engine, pump, and compressor. 1,681,072; Aug. 14.
- Watts, Richard E., assignor of one-half to G. M. Blackstone, Stamford, England. Mowing machine. 1,657,811; Jan. 31.
- Watts, Thomas L., Indianapolis, Ind. Variable direction control for trailing objects. 1,694,195; Dec. 4.
- Watts, Verner, Alliance, assignor to The Sebring Manufacturing Corporation, Sebring, Ohio. Enameled electric percolator. 1,694,570; Dec. 11.
- Watzl, Ernst J., et al. (See Küttel, Karl, assignor.)
- Waugh, Lester R., Harrisburg, Pa. Smoking utensil. 1,657,290; Jan. 24.
- Waukesha Motor Company. (See Coverstone, Jesse F., assignor.)
- Waukesha Motor Company. (See De Long, James E., assignor.)
- Waukesha Motor Company. (See Fisher, James B., assignor.)
- Waukesha Motor Company. (See Horning, Harry L., assignor.)
- Waukesha Motor Company. (See Pope, Arthur W., Jr., assignor.)
- Waukesha Motor Company. (See Ritter, Herbert G., assignor.)
- Waxed Products Company. (See Spaldo, Louis C., assignor.)
- Way, Harry C., Wheeling, W. Va. Grave marker. 1,694,196; Dec. 4.
- Way, William H., Ossining, N. Y. Ice-cutting machine. 1,681,715; Aug. 21.
- Way, William P., Richmond Hill, N. Y. Bag holder and spreader. 1,665,724; Apr. 10.
- Waybrant, Edward L., New Bedford, Mass. Distributing explosive mixtures to internal-combustion engines. 1,664,869; Apr. 3.
- Wayland, Edwin M., Coveseville, Va. Fruit-grading machine. 1,672,441; June 5.
- Wayland, Edwin M., Coveseville, Va. Adjusting mechanism for fruit-grading-machine kicker wheels. 1,673,172; June 12.
- Wayland, Edwin M., Coveseville, Va. Up-edging means for fruit sizers. 1,696,066; Dec. 18.
- Wayland, Edwin M., and A. H. McIntyre, Coveseville, Va. Fruit cleaning and polishing machine. 1,689,653; Oct. 30.
- Wayland, John T., and T. D. Jones, Kansas City, Mo. Automatic traffic signal. 1,691,791; Nov. 13.
- Wayman, Charles A. G., and A. F. Gartz, jr., assignors to Crane Co., Chicago, Ill. Valve. 1,684,651; Sept. 18.
- Wayne Company. (See Baker, Linnaeus E., assignor.)
- Wayne Company. (See Baker, L. E., and Brandt, assignors.)
- Wayne Company. (See Baker, L. E., and Merriman, assignors.)
- Wayne Company. (See Baxter, William M., assignor.)
- Wayne Company. (See Brandt, William F., assignor.)
- Wayne Company. (See De Luiz, E. R., and Mitchell, assignors.)
- Wayne Company. (See Merriman, Carroll L., assignor.)
- Wayne Company. (See Tonkel, Albert F., assignor.)
- Wayne, Herbert N., Santa Monica, Calif. Spring shackle for automobiles and the like. 1,668,747; May 8.
- Wayne Home Equipment Company, The. (See Baxter, William M., assignor.)
- Weaber, Cyrus, Pueblo, Colo. Hog trough. 1,690,762; Nov. 6.
- Weagant, Roy A., Douglaston, N. Y., assignor to De Forest Radio Company, Jersey City, N. J. Radio signaling circuits. 1,688,842; Oct. 23.
- Wear, Charles, Waltham, Mass., assignor of one-half to J. Pollak. Art of baking. 1,690,882; Nov. 6.
- Wear, John D. (See Hoeschen, H. A., and Wear.)
- Weatherhead, Albert J., jr., Cleveland, Ohio. Cock and faucet. 1,674,076; June 19.
- Weatherhead, Albert J., jr., Cleveland, Ohio. Combined valve and pipe coupling. 1,677,740; July 17.
- Weatherhead, Albert J., jr., Cleveland, Ohio. Drain cock or valve. 1,678,927; July 31.
- Weatherhead, Albert J., jr., Cleveland, Ohio. Uniting metal parts together. 1,684,932; Sept. 18.
- Weatherly, Wilson E., Chicago, Ill., assignor to A. G. Bland, Riverton, W. Va. Amplifying attachment for horns of sound reproducing instruments. 1,689,986; Oct. 30.
- Weathers, William F., Detroit, Mich. Furnace. 1,680,654; Aug. 14.
- Weaver, Allan. (See Watson, E. F., and Weaver.)
- Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. System for measuring contact rebounding. 1,677,157; July 17.
- Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. System of modulating carrier currents. 1,688,292; Oct. 16.
- Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for picture transmission. 1,639,267; Oct. 30.
- Weaver, Allan, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Method and apparatus for transmission of pictures. 1,693,685; Dec. 4.
- Weaver, Allen R., Batesville, Ark. Hospital bed. 1,670,601; May 22.
- Weaver, Arthur B., Philadelphia, Pa., assignor to General Electric Company. Pull-button-controlling switch. 1,676,971; July 10.
- Weaver, Carrie L., et al. (See Alferink, William, assignor.)
- Weaver, Clark E., Kansas City, Mo. Ventilating door. 1,680,439; Aug. 14.
- Weaver, David P., Bridgeton, N. J., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for shaping glassware. 1,668,993; May 8.
- Weaver, Eastman A. (See Ball, J. A., Gallison, and Weaver.)
- Weaver, Eastman A., Brookline, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Photography. 1,677,665; July 17.
- Weaver, Edwin M., Reading, Pa. Musical instrument. 1,666,226; Apr. 17.
- Weaver, Frank R., Clinton, assignor to Wisconsin Knife Works, Inc., Clinton, Wis. Cutter. 1,655,828; Jan. 10.
- Weaver, Gaillard E. (See Weaver, Ira A. and G. E.)
- Weaver, Gaillard E., assignor to Weaver Manufacturing Company, Springfield, Ill. Tire spreader. 1,675,521; July 3.
- Weaver, Gaillard E., and W. C. Keim, assignors to Weaver Manufacturing Company, Springfield, Ill. Vise. 1,692,398; Nov. 20.
- Weaver, Harry A., and F. A. Smith, Indianapolis, Ind., assignors to Martin Parry Corporation, York, Pa. Device for locking spare tires. 1,656,253; Jan. 17.
- Weaver, Ira A., Springfield, Ill. Automobile radiator flow indicator. 1,693,211; Nov. 27.
- Weaver, Ira A., Springfield, Ill. Piston. 1,693,584; Nov. 27.
- Weaver, Ira A. and G. E., assignors to Weaver Manufacturing Company, Springfield, Ill. Propelling jack. 1,674,813; June 26.
- Weaver, James R., North Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collaring machine. 1,664,234; Mar. 27.
- Weaver, John H., assignor to J. Safenstein, Camden, N. J. Case-forming attachment. 1,665,003; Apr. 3.
- Weaver, Joseph H., et al. (See Alferink, William, assignor.)
- Weaver, Joseph W. (See Gerace, G., and Weaver.)
- Weaver, Joseph W., Lebanon, Pa. Batter and candy measure. 1,683,506; Sept. 4.
- Weaver, Lewis C., Chicago, and W. H. Rietz, Ravinia, assignors to Hg Electric Ventilating Company, Chicago, Ill. Air-circulating device for warm-air furnaces. 1,663,644; Mar. 27.
- Weaver Manufacturing Company. (See Weaver, Gaillard E., assignor.)
- Weaver Manufacturing Company. (See Weaver, G. E., and Keim, assignors.)
- Weaver Manufacturing Company. (See Weaver, Ira A. and G. E., assignors.)
- Weaver, Marvin S., Aberdeen, N. C. Serving food and drink. 1,665,289; Apr. 10.
- Weaver, Marvin S., Southern Pines, N. C. Method of and apparatus for molding and curing concrete. 1,690,467; Nov. 6.
- Weaver, Ralph J., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Mold. 1,694,025; Dec. 4.
- Weaver, Robert R., assignor to General American Tank Car Corporation, Chicago, Ill. Railway car. 1,691,873; Nov. 13.
- Weaver, Samuel L., assignor to J. H. Steiner, L. Schoneberg, and H. Silvers, Chicago, Ill. Display rack. 1,661,207; Mar. 6.
- Weaver, William D., Hillsville, Pa. Screw driver. 1,665,240; Apr. 10.
- Webb, Alexander D. (See Wilkie, W., and Webb.)
- Webb, Alton J., Elmira, N. Y. Broom holder. 1,674,581; June 19.

- Webb, B. H., et al. (See Simpson, Arthur E., assignor.)
 Webb, Cecil, Lisburn, Ireland. Internal-combustion engine. 1,688,767; Oct. 23.
 Webb, Edward A. (See Rees, Alphy, assignor.)
 Webb, Ernest H., New Brunswick, N. J. Universal torque-transmitting device. 1,660,775; Feb. 28.
 Webb, Fred M., Fresno, Calif. Reciprocating engine. 1,687,744; Oct. 16.
 Webb, Frederick R., Randalstown, Ireland. Apparatus for the production of periodic large-volume discharges of liquids. 1,669,271; May 8.
 Webb, George E. (See Lichtenberg, E. H., and Webb.)
 Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Water-control mechanism for concrete mixers. 1,657,099; Jan. 24.
 Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Subgrade planer. 1,659,504; Feb. 14.
 Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Discharge mechanism for concrete mixers. 1,665,517; Apr. 10.
 Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Rotary discharge chute. 1,665,518; Apr. 10.
 Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Concrete-mixing machine. 1,665,519; Apr. 10.
 Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Three-way swinging valve for concrete mixers. 1,673,097; June 12.
 Webb, Gregory B., Brooklyn, N. Y., and E. Gilzean, Kearny, N. J. Community mausoleum. 1,670,871; May 22.
 Webb, Gregory B., Brooklyn, N. Y., and E. Gilzean, Kearny, N. J. Collapsible form for concrete crypts. 1,670,917; May 22.
 Webb, H. L., et al. (See Simpson, Arthur E., assignor.)
 Webb, Irving F. (See Eames, G. M., and Webb.)
 Webb, Jervis B., Detroit, Mich. Conveyor. 1,664,763; Apr. 3.
 Webb, Jonathan H., Chandler, Ariz. Cutter bar for mowing machines. 1,656,090; Jan. 10.
 Webb, Orra W., assignor to Stetson-Ross Machine Company, Seattle, Wash. Hold-over guide for lumber-finishing machines and adjusting means therefor. 1,678,371; July 24.
 Webb, Purcell T., Christchurch, New Zealand. Safety device for railways and the like. 1,666,362; Apr. 17.
 Webb, Robert C., Baton Rouge, La. Septic tank. 1,660,697; Feb. 28.
 Webb, Robert R. (See Jones, J. M., and Webb.)
 Webb, Samuel G., Asbury Park, N. J. Advertising booth. Des. 75,668; June 26.
 Webb, Stuart W., Brookline, Mass., and A. Allen, Bangor, Me., assignors to Eastern Manufacturing Company, Boston, Mass. Method and mechanism for marking and finishing paper. 1,669,895; May 15.
 Webb, Stuart W., Brookline, J. G. Callan, Cambridge, Mass., and A. Allen, Bangor, Me., assignors to Eastern Manufacturing Company, Boston, Mass. Method and apparatus for finishing paper. 1,674,848; June 26.
 Webb, William E., and E. P. Williams, Edmonton, Alberta, Canada. Tag. 1,663,185; Mar. 20.
 Webb, Zaida B., Norwich, Conn. Garden doll. 1,679,847; Aug. 7.
 Webber, Charles E., Pontiac, Ill. Harrow. 1,670,602; May 22.
 Webber, George C., Los Angeles, Calif. Pipe-bending apparatus. 1,679,954; Aug. 7.
 Webber, George R., Augusta, Me. Combination vending and dispensing case. Des. 75,707; July 3.
 Webber, George R., Augusta, Me. Display container or similar article. Des. 75,992; Aug. 7.
 Webber, George R., Augusta, Me. Casing for a vending machine. Des. 77,276; Dec. 18.
 Webber, Joseph T., assignor to May Oil Burner Corporation, Baltimore, Md. Liquid-fuel-feeding device. 1,655,173; Jan. 3.
 Webber, Priscilla E., Lynchburg, Va. Drinking-glass coaster. Des. 75,310; May 22.
 Webber, Robert D. J. B., Allentown, Pa. Brake-beam support. 1,682,647; Aug. 28.
 Webber, William. (See Benjamin, B. R., Raney, and Webber.)
 Weber, Albert, Upper Montclair, N. J., assignor to Herman C. Kupper, Inc., New York, N. Y. Covered dish or similar article. Des. 77,139; Dec. 4.
 Weber, Albert P., Overbrook Borough, Pa. Cutting torch. 1,655,172; Jan. 3.
 Weber, Alfred, New York, N. Y. Incandescent-lamp bulb or similar article. Des. 76,441; Sept. 25.
 Weber, Arnold K., Schenectady, N. Y. Tensioning means for tating thread. 1,656,308; Jan. 17.
 Weber, Charles, Jr., assignor to C. G. Conn, Ltd., Elkhart, Ind. Gauge. 1,685,109; Sept. 25.
 Weber, Christian, Stockton, Calif. Portable chair carrier. 1,687,812; Oct. 16.
 Weber Electric Company. (See Fabrey, William H., assignor.)
 Weber Electric Company, The. (See Nickerson, Henry E., assignor.)
 Weber Electric Company. (See Weber, John, assignor.)
 Weber Engine Company. (See Gold, Samuel B., assignor.)
 Weber, Frederick L., Oakland, Calif., assignor to National Carbon Company, Inc., New York, N. Y. Flashlight. 1,680,188; Aug. 7.
 Weber, Friedrich W., Bochum, assignor to the firm: Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Device for fastening rails. 1,694,898; Dec. 11.
 Weber, George, Pittsburgh, Pa. Trolley guard. 1,680,829; Aug. 14.
 Weber, George A., New Albany, Ind. Illuminating attachment for spray guns. 1,670,426; May 22.
 Weber, Gustav, Cologne-on-the-Rhine, Germany. Machine for producing wood screws from pressed blanks. 1,682,646; Aug. 28.
 Weber, Harry M. (See Ellis, C., and Weber.)
 Weber, Harry M., assignor to Ellis-Foster Company, Montclair, N. J. Composition of matter containing a cellulose derivative. 1,690,515; Nov. 6.
 Weber, Harry M., Montclair, N. J., assignor to Ellis-Foster Company. Plastic resinous material and making same. 1,692,524; Nov. 20.
 Weber, Harry M., assignor to Ellis-Foster Company, Montclair, N. J. Animal food. 1,695,567; Dec. 18.
 Weber, Heinrich H., Maspeth, N. Y. Egg holder. 1,686,997; Oct. 9.
 Weber, Heinrich H., Maspeth, N. Y. Egg boiler. 1,695,832; Dec. 18.
 Weber, Henry C. P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Preventing explosions. 1,686,051; Oct. 2.
 Weber, Henry C. P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Soldering. 1,689,899; Oct. 30.
 Weber, Hermann, Spiez, Switzerland. Rotary compressor. 1,678,660; July 31.
 Weber, Jacob H., Brooklyn, N. Y. Medicinal roller. 1,664,009; Mar. 27.
 Weber, John, West Allis, Wis. Vehicle signal. 1,655,883; Jan. 10.
 Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Attachment-plug cap. Des. 74,203; Jan. 3.
 Weber, Joseph H. (See Greene, John F., assignor.)
 Weber, Karl A., Los Angeles, Calif. Glass-grinding machine. 1,680,920; Aug. 14.
 Weber, Karl A., assignor to Weber Showcase & Fixture Company, Los Angeles, Calif. Panel polishing and rubbing machine. 1,694,046; Dec. 4.
 Weber, Leonard A., San Francisco, Calif. Autographic speed recorder. 1,692,713; Nov. 20.
 Weber, Louis J., Schenectady, N. Y., assignor to General Electric Company. Motor control. 1,683,221; Sept. 4.
 Weber, Martin. (See Morden, G. W., and Weber.)
 Weber, Martin, Los Angeles, Calif. Irrigation sprinkler. 1,656,027; Jan. 10.
 Weber, Mathias J., assignor to The Health-O-Meter Company, Chicago, Ill. Lens closer. 1,669,685; May 15.
 Weber, Mathias J., assignor to Heathometer Company, Chicago, Ill. Weighing scale, leaf-spring type. 1,692,102; Nov. 20.
 Weber, Philipp, Vallendar-on-the-Rhine, Germany. Device for manual producing of cigar fillers. 1,664,143; Mar. 27.
 Weber, Reinhold, San Toy, assignor to one-half to F. A. Ray, Columbus, Ohio. Fastening device to be applied to ropes, cables, and chains. 1,687,409; Oct. 9.
 Weber, Richard, Dresden-Uebigau, Germany. Producing baskets and other basketwork structures. 1,683,507; Sept. 4.
 Weber, Robert, Hayange, Moselle, assignor to Les Petits Fils de Francois de Wendel & Cie., Paris, France. Gas-supplying apparatus. 1,683,112; Sept. 4.
 Weber, Sarah S., assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Towel. Des. 74,287; Jan. 17.
 Weber Showcase & Fixture Company. (See Weber, Karl A., assignor.)
 Weber, Tobias. (See Chase, Hamilton C., assignor.)
 Weber, William H. (See Hughes, J. R., and Weber.)
 Weber, William L., Chicago, Ill. Polishing metal surfaces. 1,682,157; Aug. 28.
 Weberg, Olaf, Dearborn, Mich. Detachable antiskid tread. 1,686,052; Oct. 2.
 Webbing, Roy F. M., Bondi, near Sydney, New South Wales, Australia. Liquid-measuring apparatus. 1,684,785; Sept. 18.
 Webner, Julius, New York, N. Y. Machine for grinding or cutting stone. 1,696,660; Dec. 25.
 Webre, Alfred L., Winchester, assignor to E. B. Badger and Sons Company, Boston, Mass. Nonclogging spray nozzle. 1,693,629; Dec. 4.
 Webster, Albert S. (See Smith, W. H., and Webster.)
 Webster, Duane E. (See Johanson, P., and Webster.)
 Webster, Duane E., assignor to Norton Company, Worcester, Mass. Abrasive article and making the same. 1,655,396; Jan. 3.
 Webster, Duane E., assignor to Norton Company, Worcester, Mass. Manufacture of abrasive articles. 1,681,891; Aug. 21.
 Webster, Duane E., assignor to Norton Company, Worcester, Mass. Rubber bonded abrasive article and making the same. 1,687,410; Oct. 9.
 Webster, Earl P., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Carton-marking device. 1,681,716; Aug. 21.

- Webster, Earl P., assignor to The Shredded Wheat Company, Niagara Falls, N. Y. Driving endless conveyers. 1,696,465; Dec. 25.
- Webster Electric Company. (See Kleckner, Arthur C., assignor.)
- Webster, Evan S. (See Reese, Henry A., assignor.)
- Webster, Francis H., St. Louis, Mo. Rim tool. 1,695,403; Dec. 18.
- Webster, Harry G., Chicago, Ill. Receiver. 1,688,674; Oct. 23.
- Webster, Henry, Coventry, England. Kilns for burning any and all sorts of clay products, glazed ware, and pottery. 1,671,559; May 29.
- Webster, Ira J., Haverhill, Mass. Making inner tubes for pneumatic tires. 1,657,052; Jan. 24.
- Webster, Lewis E., Wilkes-Barre, Pa. Shovel handle. 1,687,073; Oct. 9.
- Webster, Norman C., Greensboro Bend, Vt. Telephone equipment. 1,690,959; Nov. 6.
- Webster, Warren, & Company. (See Donnelly, James A., assignor.)
- Webster, Warren, & Company. (See Montreuil, Frank H., assignor.)
- Wechsberg, Anna M. C., et al., trustees. (See Coppus, Frans H. C., assignor.)
- Wechsler, Louis A., Bellaire, N. Y. Coal-saving shovel. 1,671,800; May 29.
- Wechter, S., Company. (See Jaffe, Lawson L., assignor.)
- Weckerle, Ferdinand, assignor to Studiengesellschaft fuer Wirtschaft u. Industrie m. b. H., Munich, Germany. Electrode holder for electric furnaces. 1,675,742; July 3.
- Weddell, Ralph R., Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Universal grinding fixture. 1,674,350; June 19.
- Wedler, Harry G., assignor to The Wedler-Shuford Co., St. Louis, Mo. Seat cushion. 1,695,072; Dec. 11.
- Wedler-Shuford Co., The. (See Wedler, Harry G., assignor.)
- Weeber, Otto, Berlin, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone desk set. 1,687,117; Oct. 9.
- Weeber, Otto, Berlin, assignor to Siemens & Halske Aktiengesellschaft Wernerwerk, Siemensstadt, near Berlin, Germany. Hand telephone. 1,688,477; Oct. 23.
- Weed, Harley D., Garvin, assignor of twelve and one-half per cent to H. K. Kvanbeck and twelve and one-half per cent to J. Kvanbeck, Minnesota, and seven and one-half per cent to A. Mattson and seven and one-half per cent to D. Mattson, Taunton, Minn. Rotary motor. 1,677,805; July 17.
- Weed, James M., Scotia, N. Y., assignor to General Electric Company. Electric welding. 1,665,869; Apr. 10.
- Weed, James M., Scotia, N. Y., assignor to General Electric Company. Electric welding. 1,670,699; May 22.
- Weed, James M., Scotia, N. Y., assignor to General Electric Company. Apparatus and method for gaseous reactions. 1,673,654; June 12.
- Weed, James M., Schenectady, N. Y., assignor to General Electric Company. Induction furnace. 1,669,109; May 8.
- Weed, James M., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 1,672,702; June 5.
- Weed, James M., Ballston Lake, N. Y., assignor to General Electric Company. Electric welding. 1,670,700; May 22.
- Weed, Josephine M., New York, N. Y. Toilet-seat cover. 1,682,648; Aug. 28.
- Weeden, Arthur W., assignor of three-fifths to E. M. Freeman, Quincy, Mass. Rotary pump. 1,660,183; Feb. 21.
- Weeden, Arthur W., assignor of three-fifths to E. M. Freeman, Quincy, Mass. Rotary motor or pump. 1,666,321; Apr. 17.
- Weeks, Albert G., Minneapolis, Minn. Tone-control device. 1,688,952; Oct. 23.
- Weeks, Charles M., Chevy Chase, Md. Lamp-socket pull-chain guide. 1,690,350; Nov. 6.
- Weeks, Charles S., South Orange, N. J. Article-positioning means for labeling machines. 1,664,144; Mar. 27.
- Weeks, Charles S., South Orange, N. J., assignor, by mesne assignments, to The Gerrard Company, Inc., San Francisco, Calif. Package-banding machine. 1,677,941; July 24.
- Weeks, Charles S., South Orange, N. J., assignor to G. W. Smythe and T. D. Osbourne. Milling machine. 1,690,067; Oct. 30.
- Weeks, Edmund G., Durham, assignor of one-half to Electrical Improvements Limited, London, England. Furnace. 1,669,796; May 15.
- Weeks, Edmund G., Dunston, assignor of one-half to the firm Merz & McLellan, Engineers, Westminster, London, England. Low-temperature fuel distillation. 1,681,450; Aug. 21.
- Weeks, Joseph S., Los Angeles, Calif. Combined rocker armchair and desk. 1,670,603; May 22.
- Weeks, Paul T., Caldwell, and C. E. Huffman, Montclair, N. J., assignors to Westinghouse Lamp Company. Rectifier tube. 1,675,073; June 26.
- Weeks, Ralph M., Groton, Conn. Route indicator for propelled vehicles. 1,662,352; Mar. 13.
- Wees, Edward J., Omaha, Nebr. Shrine. Des. 75,884. July 24.
- Wees, Elijah F., Kenova, W. Va. Rudder. 1,664,957; Apr. 3.
- Weethee, Thomas E., Dacono, assignor to The Consolidated Coal and Coke Company, Denver, Colo. Car-caging device. 1,689,466; Oct. 30.
- Wege, Peter M., assignor to Metal Office Furniture Co., Grand Rapids, Mich. Desk tray. 1,689,372; Oct. 30.
- Wegel, Raymond L., assignor to Western Electric Company, Incorporated, New York, N. Y. Loud speaker. 1,659,933; Feb. 21.
- Wegner, Julius, New York, N. Y. Stoneworking machine. 1,693,212; Nov. 27.
- Wehler, Russell S., York, Pa. Cigarette-case attachment. 1,664,441; Apr. 3.
- Wehli, Morris, Basel, Switzerland. Grid bar for fiber-treating machines. 1,661,518; Mar. 6.
- Wehli, Morris, Basel, Switzerland. Fiber-cleaning device. 1,664,145; Mar. 27.
- Wehmeyer, Clarence W., assignor to Heine Boiler Company, St. Louis, Mo. Wall or baffle tile for water-tube boilers. 1,688,603; Oct. 23.
- Wehner, Anton T., San Francisco, Calif. Permanent-hair-waving apparatus. 1,671,621; May 29.
- Wehr Company. (See Myers, Edward C., assignor.)
- Wehr Motor Company. (See Wehr, Rudolph, assignor.)
- Wehr, Rudolph, Los Angeles, Calif., assignor to Wehr Motor Company. Valve construction. 1,692,235; Nov. 20.
- Wehr, William G., East Cleveland, assignor to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. I-beam clamp. 1,658,956; Feb. 14.
- Wehr, William G., East Cleveland, assignor to The Cleveland Crane and Engineering Company, Wickliffe, Ohio. Hoist-trolley frame. 1,695,623; Dec. 18.
- Wehrle, Charles, Remer, Minn. Static collector for printing presses. 1,680,310; Aug. 14.
- Wehrle Company, The. (See Pickup, George E., assignor.)
- Wehrle, Otto, Emmendingen, Germany. Casing for electric transformers and the like. 1,678,090; July 24.
- Weibeler, Joseph N., Belle Plaine, Minn. Fuse plug. 1,676,122; July 3.
- Weichel, Otto, Kaiserslautern, and W. Hollenderbäumer, Dusseldorf, Germany. Cupola furnace. 1,668,133; May 1.
- Weichsel, Arthur J., New York, N. Y. Rotary container. 1,676,756; July 10.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,668,177; May 1.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,675,677; July 3.
- Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,694,460; Dec. 11.
- Weichsel, Hans, and B. McCormick, assignors to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,691,747; Nov. 13.
- Weickman, Albert, Harrison, and C. S. Olmsted, Mount Vernon, N. Y. Resilient support for cushion seats. 1,668,473; May 1.
- Weidemiller, John H. (See Smith, Charles E. B., assignor.)
- Weidert, Franz, Berlin-Zehlendorf, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Berlin-Friedenau, Germany. Photographic box camera. 1,686,944; Oct. 9.
- Weidinger, Christian, L. Gradi, and M. Schöner, assignors to Bayerische Celluloidwarenfabrik, vorm. Albert Wakker, A.-G., Nuremberg, Germany. Diver toy. 1,675,522; July 3.
- Weldlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
- Weidmann Meier, Gottfried. (See Knab, Hermann, assignor.)
- Weidner, Edmund, Berlin, Germany. Apparatus for the delivering of soap and the like in portions. 1,670,643; May 22.
- Weier, Jacob J., Chicago, Ill. Mud grip. 1,687,701; Oct. 16.
- Weigand, John L., et al. (See Poeppelmeier, Frank H., assignor.)
- Weigand, William A., Wichita, Kans. Dispensing device. 1,659,065; Feb. 14.
- Weigels, Edmund, Bergenfield, N. J., assignor to Atlas Devices Company, Inc. Pneumatic-dispatch system. 1,663,031; Mar. 20.
- Weigelt, Karl, New York, N. Y. Sealing tungsten and like metals in glass and seal produced by such method. 1,668,095; May 1.
- Weiger, Joseph A., Union City, assignor to Elkon Works, Inc., Weehawken, N. J. Electrical contact. 1,657,053; Jan. 24.
- Weightograph Company, The. (See Hamblin, Fred B., assignor.)
- Weight-O-Graph Company, The. (See Schaper, Harry C., assignor.)
- Weightograph Company, The. (See Shively, Louis S., assignor.)
- Weigle, Russell J., East Grand Rapids, Mich. Direction indicator for vehicles. 1,685,257; Sept. 25.
- Weigle, William A. (See Higinbotham, Arthur O., assignor.)
- Weithe, Charles. (See Weihe, Clyde R., assignor.)

- Weihe, Clyde R., assignor of one-half to C. Weihe, Connelville, Pa. Method and apparatus for treating continuously-moving material. 1,659,794; Feb. 21.
- Weikel, John H. (See Breyer, F. G., Bunce, and Weikel.)
- Weil, Bertram, Mount Vernon, N. Y. Wall paper or similar article. Des. 74,288; Jan. 17.
- Weil, Charles F. (See Weil, Louis A. and C. F.)
- Weil, Emile, New Orleans, La. Lighting system for vehicles. 1,655,851; Jan. 10.
- Weil, Friedrich H., assignor to Seitz-Werke G. m. b. H., Kreuznach, Germany. Preparing filtering materials. 1,664,275; Mar. 27.
- Weil, Louis A. and C. F., Detroit, Mich. Mechanical stud-driving device. 1,664,442; Apr. 3.
- Weil, Maximilian, New York, N. Y. Acoustic apparatus. 1,696,784; Dec. 25.
- Weil, Maximilian, New York, N. Y. Sound-reproducing apparatus. 1,696,872; Dec. 25.
- Weil, Valentin. (See Darmstadt, P., Stegmann, and Weil.)
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Vehicle bumper-cushioning device. 1,655,777; Jan. 10.
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Universal joint. 1,656,715; Jan. 17.
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Universal joint. 1,657,291; Jan. 24.
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Universal joint. 1,658,750; Feb. 7.
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Vehicle bumper. 1,668,096; May 1.
- Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Universal joint. 1,676,676; July 10.
- Weiland, Alfred, Neshanic, N. J., H. R. Russell, Douglaston, N. Y., and C. A. Mezger, New Brunswick, N. J., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Typewriter-key punch. 1,682,451; Aug. 28.
- Weiland, Alfred, Neshanic, N. J., H. R. Russell, Douglaston, N. Y., and C. A. Mezger, New Brunswick, N. J., assignors, by mesne assignments, to Remington Rand Inc., New York, N. Y. Alphabetical keyboard punch. 1,684,001; Sept. 11.
- Weiland, Henry J. (See Gubelmann, I., Weiland, and Stallmann.)
- Weiland, Henry J., and I. Gubelmann, South Milwaukee, assignors to The Newport Company, Carrollville, Wis. Separation of m-dinitrobenzene from its isomers. 1,665,005; Apr. 3.
- Weiler, Wilhelm, Niederschönhausen, Germany, assignor to General Electric Company. Induction-motor-regulating system. 1,694,241; Dec. 4.
- Weiler, Wilhelm, Niederschönhausen, Berlin, Germany, assignor to General Electric Company. Frequency-changer apparatus. 1,694,296; Dec. 4.
- Weiller, Paul G., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Radio reception. 1,684,164; Sept. 11.
- Weimer, Albert W., and J. F. Smith; said Weimer assignor to W. Parson, Geneseo, Ill. Battery terminal. 1,665,048; Apr. 3.
- Weinand, Klaus, Cologne-Flittard, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Dyestuffs of the anthraquinone series. 1,688,256; Oct. 16.
- Weinberg, Benjamin, Troy, N. Y. Garment hanger. 1,689,373; Oct. 30.
- Weinberg, David, Rockaway Beach, N. Y., assignor to Paramount Roof Flange Corporation. Adjustable roof flange. 1,680,921; Aug. 14.
- Weinberg, Lowell C., Seattle, Wash. Auto oil cleaner. 1,693,471; Nov. 27.
- Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Electric phonograph circuit. 1,677,806; July 17.
- Weinberger, Viktor, and M. Jakobovits, Bronx, N. Y. Mechanism for wheeling cribs. 1,656,655; Jan. 17.
- Weinbrenner, Jules, Thann, France. Rectilinear combing machine. 1,660,500; Feb. 28.
- Weindel, Fred, Jr. (See Price, C. S., and Weindel.)
- Weiner, Dorothea. (See Weiner, Morris, assignor.)
- Weiner, Edwin M. R., Three Rivers, and F. F. Woods, Battle Creek, Mich. Centrifugal vacuum pump. 1,682,945; Sept. 4.
- Weiner, Emil. (See Katims, H., and Weiner.)
- Weiner, Emil and H. Katims, New York, N. Y. Textile fabric. Des. 76,169; Aug. 21.
- Weiner, Leo, Providence, R. I. Ornamental device. 1,660,460; Feb. 28.
- Weiner, Morris, assignor to D. Weiner, Chicago, Ill. Adjustable shirt sleeve. 1,670,644; May 22.
- Weinert, Harry F., Detroit, Mich. Tinning-cup attachment for blowtorches. 1,685,258; Sept. 25.
- Weinert, Helmuth, Dresden-Kotzschbroda, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, Germany. Arrangement of 6n-pole windings. 1,676,123; July 3.
- Weinert, Roland E., Jamaica, assignor to Wm. Demuth & Co., New York, N. Y. Machine for cutting irregular shapes. 1,671,499; May 29.
- Weinfeld, Benjamin S., Schenectady, N. Y., assignor to General Electric Company. System of electric distribution. 1,666,433; Apr. 17.
- Weingand, Richard. (See Czapek, E., and Weingand.)
- Weingarten, Jacob. (See Weir, A. W., Weingarten, and Switzer.)
- Weingarten, Joshua, Philadelphia, Pa. Shoe fastening. 1,667,276; Apr. 24.
- Weingartner, Anthony E., Bethlehem, Pa., and G. E. Smith, Charlottesville, Va., assignors to American Engineering Company, Philadelphia, Pa. Steering gear. 1,656,028; Jan. 10.
- Weingartner, Anthony E., Bethlehem, assignor to American Engineering Company, Philadelphia, Pa. Siftings dump for stokers. 1,662,690; Mar. 13.
- Weingartner, Anthony E., assignor to American Engineering Company, Philadelphia, Pa. Stoker mechanism. 1,665,943; Apr. 10.
- Weingartner, Anthony E., Bethlehem, assignor to American Engineering Company, Philadelphia, Pa. Adjustable hoist limit stop mechanism. 1,670,918; May 22.
- Weingartner, Anthony E., assignor to American Engineering Company, Philadelphia, Pa. Siftings preventer for stokers. 1,669,092; Oct. 23.
- Weinhardt, Robert A., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,668,178; May 1.
- Weinhardt, Robert A., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,668,295; May 1.
- Weinheim, Emil, New York, N. Y. Terminal strainer for dope systems. 1,666,725; Apr. 17.
- Weinland, Hermon G., assignor to The Safety Grinding Wheel & Machine Company, Springfield, Ohio. Grinding machine. 1,694,340; Dec. 4.
- Weinle, Lewis P., Forest Dale, Brandon, Vt. Dirigible headlight. 1,656,966; Jan. 24.
- Weinlich, Hermann A., Berlin, Germany, assignor to The Tabulating Machine Company, Endicott, N. Y. Machine for comparing punched cards. 1,664,533; Apr. 3.
- Weinman Pump Company, The. (See Clifton, Charles A., assignor.)
- Weinreich, Christ G., St. Louis, Mo. Device for locating submerged bodies. 1,675,964; July 3.
- Weinreich, Christ G., St. Louis, Mo. Device for locating submerged bodies. 1,675,965; July 3.
- Weinrich, Calvin N., assignor to Armstrong Cork Company, Lancaster, Pa. Laying linoleum and similar floor coverings. 1,658,178; Feb. 7.
- Weinstein, Alfred, Hamburg, Germany. Sound-producing device. 1,679,106; July 31.
- Weinstein, Henry S., Brooklyn, N. Y. Amusement apparatus. 1,671,000; May 22.
- Weinstein, Otto, assignor to Standard Neckwear Company, Boston, Mass. Necktie and making the same. 1,675,999; July 3.
- Weintraud, Alfred, London, England. Cigarette or cigar mouthpiece or holder. 1,683,508; Sept. 4.
- Weitz, Jacob, assignor to The Strong, Carlisle & Hammond Company, Cleveland, Ohio. Electric furnace. 1,692,478; Nov. 20.
- Weinuz, Jacob, assignor to The Strong, Carlisle & Hammond Company, Cleveland, Ohio. Electric furnace. 1,692,479; Nov. 20.
- Weir, Alexander W., Bronx, J. Weingarten, Brooklyn, and W. G. Switzer, Menands, N. Y. Automatic safety headlight. 1,667,366; Apr. 24.
- Weir, Carl E., Olivet, S. Dak. Tractor truck. 1,657,947; Jan. 31.
- Weir, David A., receiver. (See Lucey, Patrick J., assignor.)
- Weir, David P., Rathdrum, Idaho. Differential device. 1,654,623; Jan. 3.
- Weir, David P., Rathdrum, Idaho. Ratchet device. 1,657,186; Jan. 24.
- Weir, Esta O., Chicago, Ill. Serving dish. 1,694,957; Dec. 11.
- Weir, G. & J., Limited. (See Weir, James G., assignor.)
- Weir, James G., Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Power plant. 1,695,936; Dec. 18.
- Weir, Lela B., Los Angeles, Calif. Adjustable hat lining. 1,684,610; Sept. 18.
- Weirsert, John C., et al. (See Bender, Frank J., assignor.)
- Weis, Arthur R., assignor to Pacific Pump Works, Huntington Park, Calif. Oil-tube-tensioning means. 1,657,651; Jan. 31.
- Weis, Henry T., Fairmont, W. Va. Tube-cleaning plug. 1,668,438; May 1.
- Weis, John A., Chicago, Ill. Crutch pad. 1,673,609; June 12.
- Weisberg, Louis. (See Downs, C. R., and Weisberg.)
- Weisberg, Louis, Grantwood, N. J., assignor to The Barrett Company. Fractional condensation of mixed vapors. 1,676,232; July 3.
- Weise, Edmund F., Houston, assignor to H. F. Smith, Harris County, Tex. Sealing device. 1,683,640; Sept. 11.
- Weiseisen, John W., High Point, N. J. Door knocker. Des. 74,204; Jan. 3.
- Weiser, Walter, Chicago, Ill. Grand piano. 1,689,467; Oct. 30.
- Weisgerber, Edwin C., assignor to Petroleum Appliance Syndicate, Los Angeles, Calif. Liquid-level control for pressure tanks. 1,689,654; Oct. 30.
- Weiskopf, Otto, Erfurt, Germany. Tens-carrying device for calculating machines. 1,685,846; Sept. 25.

- Weismann, Charles, Paris, France, assignor to Junkers, Dessau, Germany. Explosion motor to be utilized under various atmospheric conditions. 1,675,678; July 3.
- Weiss, Adolf, East Pittsburgh, Pa. Safety window. 1,662,623; Mar. 13.
- Weiss, Adolph. (See Dultgen, A., and Weiss.)
- Weiss, Albert, Jacksonville, Fla. Method and apparatus for making building blocks. 1,678,613; July 24.
- Weiss, Albert F. (See Bryant, C. R., and Weiss.)
- Weiss, Alexander. (See Nogradz, Henry, assignor.)
- Weiss, Arthur J., West Orange, N. J., assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 1,688,478; Oct. 23.
- Weiss, Carl W., Brooklyn, N. Y. Transmission. 1,655,079; Jan. 3.
- Weiss, Carl W., Brooklyn, N. Y. Universal joint. 1,665,241; Apr. 10.
- Weiss, Carl W., Brooklyn, N. Y. Universal joint. 1,677,311; July 17.
- Weiss, Carl W., Brooklyn, N. Y. Transmission. 1,693,213; Nov. 27.
- Weiss, Charles, New York, N. Y. Plate or similar article. Des. 77,341; Dec. 25.
- Weiss and Downs, Inc. (See Downs, Charles R., assignor.)
- Weiss, Edward A. (See Hartmann, W. C., and Weiss.)
- Weiss, Fred, Minneapolis, Minn. Tool with detachable handle. 1,658,504; Feb. 7.
- Weiss, Fred R., assignor to Universal Test Equipment Company, Chicago, Ill. Circuit-testing device. 1,659,646; Feb. 21.
- Weiss, George, Chicago, Ill. Paring machine. 1,667,502; Apr. 24.
- Weiss, George, assignor, by mesne assignments, to International Cellulose Products Co., Chicago, Ill. Vending machine. 1,673,030; June 12.
- Weiss, George, assignor, by mesne assignments, to International Cellulose Products Co., Chicago, Ill. Absorbent-pad machine. 1,680,268; Aug. 7.
- Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn. Food product. 1,695,445; Dec. 18.
- Weiss, Howard F., and R. F. Norris, Madison, Wis., assignors, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Wall board. 1,655,718; Jan. 10.
- Weiss, John P., South Bend, Ind. Electric table lamp. Des. 75,755; July 10.
- Weiss, Leopold, New York, N. Y. Automobile roof. 1,686,587; Oct. 9.
- Weiss, Mark W. (See Esselsen, G. J., jr., and Weiss.)
- Weiss, Max, Berlin-Friedenau, Germany, assignor, by mesne assignments, to Bailey Meter Company, Pressure-difference-measuring instrument. 1,658,699; Feb. 7.
- Weiss, Morris L., Newark, N. J., assignor to Dovan Chemical Corporation, New York, N. Y. Vulcanizing rubber and products obtained thereby. 1,657,522; Jan. 31.
- Weiss-Oeschger, Hans, assignor to Maschinenfabrik Benninger A. G., Uzwil, Switzerland. Fabric-expanding roller. 1,668,994; May 8.
- Weiss, Otto F., Ne-Üm, Minn. Direction signal for vehicles. 1,656,254; Jan. 17.
- Weissberg, Hyman D., New York, N. Y. Bird cage. Des. 75,855; July 24.
- Weissbrod, Emil, & Sons, Inc. (See King, F. A., and Bedford, assignors.)
- Weissbrod, Willis H., Greenfield, Mass. Key case. 1,688,215; Oct. 16.
- Weisse, Hugo C., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Test tank. 1,671,333; May 29.
- Weisse, Hugo C., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cooling rubber-tire treads. 1,682,876; Sept. 4.
- Weitling, William W., College Point, and A. M. Henry, Brooklyn, assignors to W. W. Weitling, College Point, N. Y., trustee for himself, A. M. Henry, and R. M. Peake. Rotary casting. 1,662,592; Mar. 13.
- Weitling, William W., trustee. (See Weitling, W. W., and Henry, assignors.)
- Weitz, Charles H., Piedmont, Calif. Waterproofing insertion member. 1,662,287; Mar. 13.
- Weizsacker, Georges, Paris, assignor to Societe des Anciens Etablissements Siegel & Stockman Reunis, Seine, France. Footlight device. 1,673,610; June 12.
- Wekwert, Frank J., Bayonne, N. J. Crank handle. 1,668,578; May 8.
- Weland, Amos, Walford, Iowa. Steel fence post. 1,674,459; June 19.
- Welborn, John D., Clayton, Ga. Dirigible headlight. 1,675,475; July 3.
- Welch, Abraham L., assignor of one-half to A. B. McClelland, Rush Run, W. Va. Securing device for miners' lamps. 1,676,972; July 10.
- Welch, Alfred F., Fort Wayne, Ind., assignor to General Electric Company. Electroresponsive controlling device. 1,696,617; Dec. 25.
- Welch, Duraine E., Upper Sandusky, Ohio. Concrete shingle block for building walls. Des. 77,277; Dec. 18.
- Welch, Edward H., Oakland, Calif. Music-time-counting device. 1,664,010; Mar. 27.
- Welch, Frank. (See Bottomley, E., and Welch.)
- Welch, Frank M., St. Paul, Minn. Toy game. 1,695,937; Dec. 18.
- Welch, George R. (See Reid, J., and Welch.)
- Welch, George R., Detroit, Mich. Vaporizer. 1,680,655; Aug. 14.
- Welch, George R., assignor to G. M. Holley, Detroit, Mich. Carburetor. 1,674,029; June 19.
- Welch, George R., assignor to G. M. Holley, Detroit, Mich. Exhaust-heated oil vaporizer. 1,688,604; Oct. 23.
- Welch, George R., assignor, by mesne assignments, to Handy Governor Corporation, Detroit, Mich. Vaporizer. 1,695,833; Dec. 18.
- Welch, Henry. (See Stell, Alfred and J., and Welch.)
- Welch, J. W., et al., trustees. (See Buchet, C. R., and Baker, assignors.)
- Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Artificial bait. 1,689,541; Oct. 30.
- Welch, James M., Vicksburg, Miss. Bit brace. 1,656,967; Jan. 24.
- Welch, John R., deceased; V. M. Welch, executrix, assignor to V. M. Welch, Muncie, Ind. Metal wheel spoke. 1,657,439; Jan. 24.
- Welch, John R., deceased, V. M. Welch, executrix, Muncie, Ind., assignor to V. M. Welch, individually. Metallic vehicle wheel. 1,662,551; Mar. 13.
- Welch, Lyman W., assignor to Welch Manufacturing Company, Grand Rapids, Mich. Door structure for display cabinets. 1,678,453; July 24.
- Welch Manufacturing Company. (See Welch, Lyman W., assignor.)
- Welch, Viola M. (See Welch, John R., assignor.)
- Welch, Viola M., executrix. (See Welch, John R.)
- Welch, Viola M., individually. (See Welch, John R., assignor.)
- Welch, Walter H., Bristol, England. Rim-contracting device. Re17,167; Dec. 18.
- Welch, William H., Muskegon, and F. H. Werschem, Muskegon Heights, Mich. Mop wringer. 1,659,505; Feb. 14.
- Welcome, Harold A., assignor to American Mason Safety Tread Company, Lowell, Mass. Stair nosing. 1,681,073; Aug. 14.
- Welcome, Harold A., Lowell, Mass., assignor to American Mason Safety Tread Company. Stair nosing. 1,687,600; Oct. 16.
- Welcomer, Harry C., Steelton, Pa. Electrical water heater. 1,676,510; July 10.
- Welder, Edward J., San Antonio, Tex. Signal lantern. 1,664,653; Apr. 3.
- Weldfast System, Inc. (See Chase, Frank W., assignor.)
- Weldon, Roy V., assignor to Great Northern Paper Company, Millinocket, Me. Paper making. 1,676,305; July 10.
- Weldon, William B., assignor to W. S. Darley, Chicago, Ill. Method and apparatus for locating the point of escape of a fluid from concealed pipes. 1,693,737; Dec. 4.
- Weldy, Arthur S., Canton, Ohio. Pump. 1,664,764; Apr. 3.
- Weldy, Arthur S., Canton, Ohio. Pipe seal. 1,683,746; Sept. 11.
- Weler, Robert. (See Boyer, F., and Weler.)
- Welk, Nelson S., assignor to The McBee Binder Co., Athens, Ohio. Filing tray. 1,673,725; June 12.
- Welk, Nelson S., assignor to The McBee Binder Co., Athens, Ohio. Shifting device for drills on bookbinding machines. 1,692,318; Nov. 20.
- Wellensiek, Louis H. (See Scott, F. L., and Wellensiek.)
- Wellensiek, Louis H., assignor to Hughes Tool Company, Houston, Tex. Soft-formation core drill. 1,666,726; Apr. 17.
- Weller, Arthur R., Spokane, Wash. Water-wave comb. 1,693,168; Nov. 27.
- Weller, Charles J., Coulee, Wash. Wire clamp. 1,684,784; Sept. 18.
- Weller, Emery C., et al. (See de Tartas, Augustus R., assignor.)
- Weller, Ernest E., Providence, R. I. Shoe-strap fastener member. Des. 77,140; Dec. 4.
- Weller, Frank, San Diego, Calif. Mounting for outboard motors. 1,659,580; Feb. 21.
- Weller, George L., Elyria, Ohio, assignor to National Tube Company. Boiler. 1,666,276; Apr. 17.
- Weller, John, Great Bookham, England. Tensioning device for transmission chains and the like. 1,666,882; Apr. 17.
- Weller, John H., Cadillac, Mich. Vaporized gas and air starter for automobiles and the like. 1,676,591; July 10.
- Weller, John L., Hamilton, Ontario, Canada. Grindstone and making same. 1,682,649; Aug. 28.
- Weller Manufacturing Company. (See Carlson, Seth, assignor.)
- Weller Manufacturing Company. (See Howard, Harmon E., assignor.)
- Weller, Randolph V., Rochester, N. Y. Ironing machine. 1,677,666; July 17.
- Wellfare, Frederick E., Dallas, Tex. Mechanism for opening and closing gates, windows, and similar structures. 1,666,113; Apr. 17.
- Welling, Matthew J., Chicago, Ill., assignor to O'Cedar Corporation. Mop. 1,689,939; Oct. 30.
- Wellington, Arthur W., assignor to The Chase Companies, Inc., Waterbury, Conn. Flush-tank fitting. 1,685,259; Sept. 25.

- Wellington, George S., assignor of one-half to L. P. Barenchi, Los Angeles, Calif. Automobile signal. 1,665,648; Apr. 10.
- Wellman, Charles P., Medford, Mass. Tucker and folder mechanism for receptacle-making machines. 1,672,552; June 5.
- Wellman Company. (See Anderson, Roland G., assignor.)
- Wellman, Frank E. (See Beasley, Stanley F., assignor.)
- Wellman, Frank E., Kansas City, Kans. Apparatus for treating hydrocarbon oils. 1,672,668; June 5.
- Wellman, Frank E., assignor to Kansas City Gasoline Company, Kansas City, Kans. Distilling hydrocarbons. 1,680,580; Aug. 14.
- Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,694,110; Dec. 4.
- Wellman, Howard C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,694,111; Dec. 4.
- Wellman, Lester R., Chicago, Ill. Bracket back for lighting fixtures. Des. 76,592; Oct. 9.
- Wellman, Lester R., Chicago, Ill. Plate for lighting fixtures. Des. 76,649; Oct. 16.
- Wellman, Lester R., assignor to Friedley-Voshardt Company, Chicago, Ill. Husk for lighting fixtures. Des. 77,208; Dec. 11.
- Wellman, Lester R., assignor to Friedley-Voshardt Company, Chicago, Ill. Husk for lighting fixtures. Des. 77,209; Dec. 11.
- Wellman, Samuel K., Cleveland Heights, and A. A. Gould Cleveland, Ohio. Lubricant container for grease guns. 1,680,269; Aug. 7.
- Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)
- Wellman-Seaver-Morgan Company. (See Martersteck, William T., assignor.)
- Wellman-Seaver-Morgan Company, The. (See Smith, Sydney, assignor.)
- Wellman-Seaver-Morgan Company, The. (See Thomas, Ivor D., assignor.)
- Wellman-Seaver-Morgan Company, The. (See Thomas, I. D., and Douglas, assignors.)
- Wellock, Edward S. (See Flagg, W. L., Wellock, and Stock.)
- Wells, Alfred A. (See Lewis, W. K., and Wells.)
- Wells, Arthur E., Toronto, Ontario, Canada. Tool for making gratings. 1,694,633; Dec. 11.
- Wells, Burling D., Danbury, Conn., assignor to Molded Socket Corporation. Electric socket. 1,658,583; Feb. 7.
- Wells, C. G., et al. (See Walker, Jay P., assignor.)
- Wells, Carrie C., Hermosa Beach, Calif. Dispensing device for paste tubes. 1,668,296; May 1.
- Wells, Clinton. (See Zimmerman, F. D., and Wells.)
- Wells, Daniel D., Albuquerque, N. Mex. Tool holder. 1,691,688; Nov. 13.
- Wells, Edward C., assignor to Platt Iron Works, Incorporated, Dayton, Ohio. Indicating device. 1,692,012; Nov. 20.
- Wells, Frank O., Greenfield, Mass. Nonskid device. 1,661,280; Mar. 6.
- Wells, George M., Montclair, N. J. Apparatus for preparing refuse for incineration. 1,689,002; Oct. 23.
- Wells, George R. (See Parker, Charles A., assignor.)
- Wells, Harold D., Glens Falls, N. Y. Machine for paper-making processes. 1,685,736; Sept. 25.
- Wells, Harold S., and H. H. Lightle, assignors to Dodge Brothers, Inc., Detroit, Mich. Conveyor-bar construction. 1,662,093; Mar. 13.
- Wells, Homer A., Rico, Colo. Cushion tire for wheels. 1,662,770; Mar. 13.
- Wells, James F., St. Louis, Mo. Oil cleaner for automobile engines. 1,686,304; Oct. 2.
- Wells, James M., Salt Lake City, Utah. Waterspout holder. 1,696,426; Dec. 25.
- Wells, Joel B., Philadelphia, Pa. Garment gauge. 1,665,682; Apr. 10.
- Wells, Louie F., and O. C. Whiting, Bryant, Okla. Valve for oil pumps. 1,679,283; July 31.
- Wells, Ralph J., Dayton, Ohio. Track liner and applying same. 1,693,878; Dec. 4.
- Wells, Robert G. (See Abell, G. H., and Wells.)
- Wells, Sidney D., Quincy, Ill. Separating vegetable fibrous materials. 1,654,624; Jan. 3.
- Wells, Thomas S. (See Scott, L. C., and Wells.)
- Wells, Walter A., Washington, D. C. Nostril dilator. 1,672,591; June 5.
- Wells, Walter T., Canton, Ohio. Vanity case. 1,683,851; Sept. 11.
- Wells, Walter W., assignor to Reo Motor Car Company, Lansing, Mich. Transmission mechanism. 1,664,870; Apr. 3.
- Wells, Walter W., assignor to Reo Motor Car Company, Lansing, Mich. Four-speed transmission. 1,692,193; Nov. 20.
- Wells, Wesley B. (See Snively, C. S., and Wells.)
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,667,757; May 1.
- Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 1,689,655; Oct. 30.
- Wells, William F., Chicago, Ill. Bone saw. 1,684,815; Sept. 18.
- Wells, William L., Enid, Okla. Cover for underground fuel tanks. 1,672,185; June 5.
- Wells, William M., Carroll, Iowa. Combination tool. 1,668,474; May 1.
- Wells, William S., Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Shuttle lock. 1,665,572; Apr. 10.
- Welman, Arthur A., Evansville, Ind. Coincidental lock for automobiles. 1,688,568; Oct. 23.
- Wepley, Walter W., Hawthorne, assignor of one-half to H. C. Proulx, Pasadena, Calif. Game apparatus. 1,695,624; Dec. 18.
- Welsbach Company. (See Antrim, William D., assignor.)
- Welsch, Frank G., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Post Cap. Des. 74,461; Feb. 14.
- Welsch, Frank G., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Head for lighting units. Des. 76,442; Sept. 25.
- Welsch, Frank G., South Bend, Ind., assignor to Westinghouse Electric and Manufacturing Company. Lamp standard. Des. 76,767; Oct. 30.
- Welsch, Wilhelm, Niederschönhausen, Germany, assignor to General Electric Company. Alternating-current-commutator-motor regulating apparatus. 1,658,662; Feb. 7.
- Welsh, Albert E., Lewiston, Idaho. Calendar. 1,683,936; Sept. 11.
- Welsh, Alfred L., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pump or the like. 1,671,054; May 22.
- Welsh, James W. (See Stevens, F. A., and Welsh.)
- Welsh, James W., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Making spectacle temples. 1,668,097; May 1.
- Welsh, James W., Providence, R. I., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,682,650; Aug. 28.
- Welsh, James W., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Making ophthalmic mountings. 1,687,960; Oct. 16.
- Welsh, James W., Providence, R. I., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle temple. 1,690,604; Nov. 6.
- Welsh, James W., Providence, R. I., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,690,605; Nov. 6.
- Welsh, James W., Providence, R. I., assignor to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,691,596; Nov. 13.
- Welsh, Ralph B., Burkburnett, Tex. Sand pump. 1,685,619; Sept. 25.
- Welsh, Richard, Los Angeles, Calif. Gate valve. 1,692,067; Nov. 20.
- Welsh, Thomas E., Woodbridge, Conn. Fruit-jar rubber, washer, or sealing ring. 1,659,677; Feb. 21.
- Welte Co. (See Cheek, Tolbert F., assignor.)
- Welte Company. (See Cheek, Tolbert F., assignor.)
- Welte-Mignon Corporation. (See Cheek, Tolbert F., assignor.)
- Welter, Gustave, assignor to The Bigelow Company, New Haven, Conn. Electric boiler apparatus. 1,667,758; May 1.
- Welton, John E., Bowling Green, Ohio. Flow diverter for open wells. 1,659,452; Feb. 14.
- Wetty, George D., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Making hollow articles. 1,688,300; Oct. 16.
- Wetty, Peter P., Pandora, Ohio. Latch for sliding doors. 1,696,785; Dec. 25.
- Wemboener, William F., St. Louis, Mo. Mail box. 1,667,503; Apr. 24.
- Wemlinger, Julius R., Brooklyn, N. Y. Sheet piling. 1,679,800; Aug. 7.
- Wemp, Ernest E., Detroit, Mich. Clutch. 1,657,731; Jan. 31.
- Wemp, Ernest E., Detroit, Mich. Clutch. 1,660,020; Feb. 21.
- Wenak, Archie C., Muscatine, Iowa. Boring bar. 1,686,428; Oct. 2.
- Wencel, Edward, Lyons, Colo. Sight gauge for grain bins. 1,669,110; May 8.
- Wendel, Otto G., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Pressure-responsive device. 1,667,020; Apr. 24.
- Wendel, Reinhold M., Stockholm, Sweden. Beating engine. 1,666,587; Apr. 17.
- Wendell, Constant, Dedham, Mass. Tag. 1,694,998; Dec. 11.
- Wendell, Evert J., Wayne, Pa. Rotary pump. 1,681,796; Aug. 21.
- Wendell, Evert J., Wayne, assignor to The Hale Fire Pump Co., Inc., Conshohocken, Pa. Rotary fluid pump and motor. 1,665,120; Apr. 3.
- Wendelstein, Carl M., North Attleboro, assignor to Bliss Brothers Company, Attleboro, Mass. Vanity case. 1,667,695; Apr. 24.
- Wendemuth, Ernest R., Glen Ridge, N. J. Foot muff. 1,686,588; Oct. 9.
- Wendig, Edward F., Richboro, Pa. Machine for finishing floors. 1,687,998; Oct. 16.
- Wendle, Virgil P., and M. L. Hunker, assignors to The Reeves Manufacturing Company, Dover, Ohio. Sheet-metal receptacle. 1,690,261; Nov. 6.
- Wendroff, Clifford H. (See Downey, P. V., and Wendroff.)

- Wendt, Bruno. (See Matthies, O., Wulff, Dieterle, and Wendt.)
- Wendt, Bruno. (See Wulff, P., and Wendt.)
- Wendt, Gerald L., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Removal of sulphur and sulphur compounds from hydrocarbon oil. 1,658,505; Feb. 7.
- Wendt, Gerald L., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Removal of sulphur and sulphur compounds from hydrocarbon oil. 1,668,225; May 1.
- Wendt, Gustav A., Cincinnati, Ohio. Smoker's stand. Des. 75,708; July 3.
- Wenger, David M., Leola, Pa. Reversible mechanism for operating washing-machine wringers. 1,662,552; Mar. 13.
- Wenger, David M., Leola, Pa. Swinging wringer support and gear housing. 1,687,411; Oct. 9.
- Wenger, David M., Leola, Pa. Rotative and locking unit supporting clothes wringer and incasing gear mechanism. 1,687,853; Oct. 16.
- Wenholz, Walter W., assignor to General Railway Signal Company, Rochester, N. Y. Block-signal system for railroads. 1,664,054; Mar. 27.
- Wenholz, Walter W., assignor to General Signal Company, Rochester, N. Y. Train control. 1,681,892; Aug. 21.
- Wenholz, Walter W., assignor to General Railway Signal Company, Rochester, N. Y. Train control. 1,692,361; Nov. 20.
- Wening, Frederick. (See Jaffe, J. L., and Wening.)
- Wening, Frederick, Cleveland, Ohio. Shade holder. 1,694,047; Dec. 4.
- Wenk, Berthold. (See Rabe, P., Stötter, Wenk, and Schepss.)
- Wenn, Floyd D., and B. M. Stannard, Binghamton, assignors to The Brewer-Titchener Corporation, Cortland, N. Y. Knobbed nut. 1,680,270; Aug. 7.
- Wennerby, Arthur O. L., Gottenburg, Sweden. Two-stroke-cycle internal-combustion engine. 1,688,794; Oct. 23.
- Wennerstrom, Malcolm J. (See Gabrielson, O. S., and Wennerstrom.)
- Wenrich, Calvin N., Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Laying linoleum or the like. 1,692,480; Nov. 20.
- Wensel, Theodor, Chicago, Ill. Built-up shaft or rod and the like and producing same. 1,688,569; Oct. 23.
- Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 1,660,900; Feb. 28.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic substation. 1,682,452; Aug. 28.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pneumatically-operated station. 1,695,906; Dec. 18.
- Wensley, Roy J., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical relay. 1,695,907; Dec. 18.
- Wenstrom, William H., Fort Bliss, Tex. Safety apparatus for airplanes. 1,681,562; Aug. 21.
- Wente, Edward C., assignor to Western Electric Company, Incorporated, New York, N. Y. Talking-motion-picture production. 1,656,255; Jan. 17.
- Wente, Edward C., assignor to Western Electric Company, Incorporated, New York, N. Y. Translating device. 1,686,355; Oct. 2.
- Wentink, Alfred N. (See Johnson, L., and Wentink.)
- Wentink, Willem G. F. (See Reufel, H. M. H., de Jong, and Wentink.)
- Wentorf, Robert H., and R. N. Kircher, West Bend, Wis., assignors to West Bend Aluminum Company. Coffee percolator. 1,674,270; June 19.
- Wentworth, Jesse S. (See Boedeker, A., and Wentworth.)
- Wentworth, Pearl J., Fort Thomas, Ky. Heel-routing machine. 1,692,912; Nov. 27.
- Wentworth, Philip C., Providence, R. I. Ring traveler and producing same. 1,663,289; Mar. 20.
- Wentworth, Philip C., Providence, R. I. Twister traveler. 1,690,468; Nov. 6.
- Wenzel, Lodwick J., Brooklyn, N. Y. Punctureproof tire for vehicles. 1,669,593; May 15.
- Wentzel, Ralph E., and J. T. Griffith, Wilkes-Barre, Pa. Refuse collector. 1,661,983; Mar. 6.
- Wentzell, Amos W., Salem, N. J. Screen device for casement windows. 1,684,121; Sept. 11.
- Wenz, Jonathan, J. Alvera, and G. Brunhübner, Pforzheim, Germany. Soldering machine. 1,669,846; May 15.
- Wenz, Joseph M., assignor to Home Comfort Heater Company, Philadelphia, Pa. Oil burner. 1,682,587; Aug. 28.
- Wenzel, Albert W. (See Wenzel, Jacob B., assignor.)
- Wenzel, Carl E., assignor to Hedwig Mfg. Co., Newark, N. J. Flatiron support. 1,692,599; Nov. 20.
- Wenzel, Jacob B., Bloom, Colo., assignor to A. W. Wenzel, Newark, N. J. Packing ring. 1,677,158; July 17.
- Wenzel, Karl D., assignor to Rangiertechische Gesellschaft v. b. H., Hamborn, Germany. Safety contrivance on permanent railway tracks. 1,683,709; Sept. 11.
- Wenzel, Karl E., Hamborn, Germany, assignor to The Hannauer Car Retarder Company, Chicago, Ill. Apparatus for transmitting signs. 1,690,915; Nov. 6.
- Wenzel, Max, Muldenstein, near Bitterfeld, Germany. Apparatus for withdrawing air from suction boxes. 1,688,216; Oct. 16.
- Wenzel, Reinhold, assignor to Luebecker Maschinenbau-Gesellschaft, Lubeck, Germany. Railroad truck with five or more axles. 1,656,995; Jan. 24.
- Wenzka, Ignace J., Depew, N. Y. Liquid strainer. 1,685,655; Sept. 25.
- Wenzl, Hermann, assignor to the firm I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Bleaching with hypochlorites. 1,657,140; Jan. 24.
- Wenzl, Philip H., Valley Falls, Kans. Engine crank-shaft and connecting-rod construction. 1,682,315; Aug. 28.
- Werbe, Walter F., Martinsville, Ind. Gate. 1,666,727; Apr. 17.
- Werber, Fred C., Wilkes-Barre, Pa. Thread spinning and twisting machine. 1,662,649; Mar. 13.
- Werber, Fred C., Wilkes-Barre, Pa. Plier construction for thread spinning and twisting units. 1,671,753; May 29.
- Werber, Fred C., Wilkes-Barre, Pa. Saddle. 1,671,754; May 29.
- Werby, A. Benjamin, Newton, assignor to American Automotive Corporation, Boston, Mass. Electrolyte for storage batteries. 1,684,852; Sept. 18.
- Werdehoff, Albert B., Birmingham, assignor to Chrysler Corporation, Detroit, Mich. Tire carrier. 1,677,574; July 17.
- Werder, Hans, Vevey, Switzerland, assignor to E. C. Dieckerhoff, New York, N. Y. Signal. 1,664,871; Apr. 3.
- Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Fractional extraction of petroleum hydrocarbons with alcohol. 1,680,352; Aug. 14.
- Werkenthin, Theodore A., assignor to The Solar Refining Company, Lima, Ohio. Apparatus for the fractional extraction of petroleum hydrocarbons with alcohol. 1,680,353; Aug. 14.
- Wermelle, Werner, St.-Aubin, Switzerland. Measuring instrument. 1,696,132; Dec. 18.
- Wermes, Frederick J., Norwood, assignor to S & W Machine Company, Cincinnati, Ohio. Bending machine. 1,676,173; July 3.
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Fluidity-control system. 1,664,839; Apr. 3.
- Wermine, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Apparatus for standardizing solutions. 1,664,840; Apr. 3.
- Wermine, Hugo H., assignor to Belden Manufacturing Company, Chicago, Ill. Insulating tube and making same. 1,693,630; Dec. 4.
- Werner, Earl W., Muskegon Heights, assignor of one-half to G. D. Maze, Muskegon, Mich. Ice-cream scoop. 1,687,813; Oct. 16.
- Werner, Edmund E., Carroll, Nebr. Tire. Des. 75,311; May 22.
- Werner, Ernst, Oberlangenbielau, Germany. Calendar. 1,692,525; Nov. 20.
- Werner, Florence C. (See Metzsch, H., and Werner.)
- Werner, Fred L., et al. (See Kreft, Ewald, assignor.)
- Werner, Georg, assignor to Elektrizitäts-Gesellschaft, Richter, Dr. Weil & Co., Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Switching device. 1,669,434; May 15.
- Werner, George W., Easton, Pa. Coin control for automatic sound reproducers. 1,694,726; Dec. 11.
- Werner, Henry F., and C. E. Faber, New Orleans, La. Shock absorber. 1,662,223; Mar. 13.
- Werner, Jean Marie, Montbeliard, France. Shaving brush. 1,689,987; Oct. 30.
- Werner, John C. (See Werner, Otto G., assignor.)
- Werner, Oscar, South Bend, Ind. Refining oils and other liquids. 1,669,182; May 8.
- Werner, Otto G., Rochester, N. Y., assignor to J. C. Werner, Genoa, Ohio. Forced-draft-pan-valve structure. 1,686,777; Oct. 9.
- Werner, Pablo, Escuintla, Mexico. Folding knife. 1,659,418; Feb. 14.
- Werner, Paul, St. Louis, Mo. Can opener. 1,655,449; Jan. 10.
- Werner, Walter, assignor to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Pulping engine. 1,656,876; Jan. 17.
- Werner, Wilbur S., assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. Electric transformer. 1,677,537; July 17.
- Werner, William, Mexia, Tex. Shock absorber for walking beams. 1,662,224; Mar. 13.
- Werner, William, Mexia, Tex. Automatic switch for oil-well motors. 1,663,578; Mar. 27.
- Werner, William R. (See Martin, M., and Werner.)
- Wernig, Frederick A., Brooklyn, N. Y., assignor to New York Wire & Spring Company. Automobile bumper. 1,658,111; Feb. 7.
- Wernig, John S., Brooklyn, N. Y. Automobile bumper and supporting means therefor. 1,671,174; May 29.
- Wernig, John S., Brooklyn, N. Y. Automobile bumper. 1,672,353; June 5.
- Wernis, Joseph, Detroit, Mich. Car coupling. 1,666,954; Apr. 24.
- Werra, Conrad, Waukesha, Wis. Radiator. 1,655,031; Jan. 3.
- Werra, Conrad, and J. T. Watry, Waukesha, Wis. Disk wheel. 1,662,944; Mar. 20.
- Werschem, Frank H. (See Welch, W. H., and Werschem.)

- Wertenberger, Edwin G., and C. Kleist, Los Angeles, Calif. Truck for bathtubs and the like. 1,662,730; Mar. 13.
- Wertenbruch, Antony, assignor to Larrowe Milling Company, Detroit, Mich. Bag-filling machine. Re16,934; Apr. 17.
- Wertheimer, Leo, Buffalo, N. Y. Coffee leacher. 1,690,763; Nov. 6.
- Wertheimer, Leo, assignor, by mesne assignments, to Amcoin Coffee System Company, Inc., Buffalo, N. Y. Coffee urn. 1,677,221; July 17.
- Wertz, Austin L., Lakewood, Ohio. Pump. 1,655,450; Jan. 10.
- Wertz, Howard G., Wichita, Kans. assignor to The Utility Manufacturing Company. Portable and convertible machine. 1,663,486; Mar. 20.
- Wertzberger, Dallas D., Tulsa, Okla. Well-drilling derrick. 1,665,488; Apr. 10.
- Wertz, Jacob, assignor to Société Anonyme des Ateliers de Schéron, Geneva, Switzerland. Power transmission. 1,688,167; Oct. 16.
- Wertzner, Edward H. (See Jones, L. B., Wertzner.)
- Wescott, Ernest W., Niagara Falls, N. Y., assignor to Comstock & Wescott, Incorporated, Boston, Mass. Recupercator. 1,657,704; Jan. 31.
- Wescott, Ernest W., Niagara Falls, N. Y., assignor, by mesne assignments, to Stator Refrigeration, Inc. Aspirator. 1,694,087; Dec. 4.
- Wescott, Harvey M., Brooklyn, N. Y. Mechanic's level. 1,683,509; Sept. 4.
- Wescott, Jay V., assignor to Du-Wel Steel Products Co., Chicago, Ill. Track guard rail. 1,665,242; Apr. 10.
- Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Abrasive article. 1,668,439; May 1.
- Wescott, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Plastic material. 1,680,234; Aug. 7.
- Wescott, William B., Quincy, assignor to The Rubber Latex Research Corporation, Boston, Mass. Reinforced abrasive article and making the same. 1,668,475; May 1.
- Wescott, William B., Quincy, assignor to Rubber Latex Research Corporation, Boston, Mass. Abrasive article and making the same. 1,668,476; May 1.
- Wescott, William B., Dover, assignor to Rubber Latex Research Corporation, Boston, Mass. Making reinforced-rubber articles. 1,671,914; May 29.
- Wescott, William B., assignor to The Rubber Latex Research Corporation, Boston, Mass. Making reinforced hard rubber. 1,689,570; Oct. 30.
- Wesloch, Henry, Lincoln Center, Kans. Weeder. 1,663,396; Mar. 20.
- Wesley, Joseph A., assignor to Lu-Mi-Nus Signs, Inc., Chicago, Ill. Advertising sign. Des. 75,756; July 10.
- Wesp, Edward J., assignor to The Canton Foundry & Machine Company, Canton, Ohio. Adjustable bearing. 1,662,094; Mar. 13.
- Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 74,405; Feb. 7.
- Wesp, George, assignor to Rosenthal China Corporation, New York, N. Y. Plate or similar article. Des. 75,085; May 1.
- Wessborg, Eric S., Saginaw, Mich. Child's wagon. 1,678,836; July 31.
- Wessel, Walter, Lester, Pa., assignor to Westinghouse Electric and Manufacturing Company. Blade fastening. 1,677,807; July 17.
- Wesseler, William J., East Cleveland, Ohio. Method and apparatus for making articles having relatively rigid confining members and elastic cores. 1,681,829; Aug. 21.
- Wessels, Henry P. (See Wild, W., Wessels, and Enochen.)
- Wessler, Hugo, New York, N. Y. Clock case. Des. 75,312; May 22.
- Wessling, Harry E. (See Schumacher, E. A., and Wessling.)
- Wessman, Edwin G., assignor, by mesne assignments, to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device. 1,662,593; Mar. 13.
- Wessman, Edwin G., Boonton, N. J., assignor, by mesne assignments, to Individual Drinking Cup Company, Inc., Easton, Pa. Cup dispenser. 1,662,650; Mar. 13.
- Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device. 1,663,429; Mar. 20.
- Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Dispensing device. 1,663,510; Mar. 20.
- Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Vending machine. 1,688,443; Oct. 23.
- West, Abe, St. Cloud, Minn. Tobacco-baling press. 1,684,300; Sept. 11.
- West, Arthur J., assignor to Bethlehem Steel Company, Bethlehem, Pa. Internal-combustion engine. Re16,909; Mar. 20.
- West, Arthur J., Bethlehem, Pa., assignor to Bethlehem Steel Company. Engine cylinder. 1,672,106; June 5.
- West, Arthur J., Bethlehem, Pa. assignor to Bethlehem Steel Company. Valve. 1,691,689; Nov. 13.
- West, Arthur J., assignor to Bethlehem Steel Company, Bethlehem, Pa. Compressor drive mechanism. 1,694,571; Dec. 11.
- West, Bernard. (See Hunter, Percy E., assignor.)
- West, Byron L., Hamburg, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Production of dyestuff powders. 1,672,920; June 12.
- West Disinfecting Company. (See Marcuse, Moses M., assignor.)
- West, Donald H., assignor to The J. N. Lapointe Company, New London, Conn. Hydraulic drive for broaching machines and the like. 1,685,760; Sept. 25.
- West, Elmer S., Mayslick, Ky. Poultry feeder. 1,666,322; Apr. 17.
- West, Ernest. (See West, Frederick J. and E.)
- West, Frank R., Newark, N. J. Internal-combustion engine. 1,665,121; Apr. 3.
- West, Frank R., assignor to Rice Products, Inc., Detroit, Mich. Refrigerating apparatus. 1,659,581; Feb. 21.
- West, Frank R., assignor to Rice Products, Inc., Detroit, Mich. Compressor structure. 1,693,010; Nov. 27.
- West, Frank W., New Rochelle, N. Y., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Drum-type speedometer drive. 1,654,714; Jan. 3.
- West, Frederick J. and E., Manchester, England. Coke-extracting mechanism for vertical retorts for the distillation of carbonaceous materials. 1,672,442; June 5.
- West, Frederick W. (See Thayer, W. E., and West.)
- West, George B., U. S. Army, Washington, D. C. Dispensing cabinet. 1,689,571; Oct. 30.
- West, George B., Lester Township, Black Hawk County, Iowa. Shocker. 1,692,526; Nov. 20.
- West, George H. (See Pike, R. D., West, and Little.)
- West, Harry R., Pittsfield, Mass., assignor to General Electric Company. Induction voltage regulator. 1,672,703; June 5.
- West, Harry R., Pittsfield, Mass., assignor to General Electric Company. Induction voltage regulator. 1,685,656; Sept. 25.
- West, Jesse L., San Diego, Calif. Drafting device. 1,655,638; Jan. 10.
- West, John B., Syracuse, N. Y. Yielding motion-transmitting device. 1,672,400; June 5.
- West, John B., Syracuse, N. Y. Signal-element construction. 1,687,961; Oct. 16.
- West, John L., Abingdon, Berks, England. Mold for making roofing tiles. 1,686,305; Oct. 2.
- West, Kirby P., et al. (See Harrison, Cecil B., assignor.)
- West, Maxwell A., Portland, Oreg. Burglar alarm. 1,681,451; Aug. 21.
- West, Oscar E., New Orleans, La. Apparatus for trimming grain. 1,676,757; July 10.
- West Process Pavement Company. (See West, William C., assignor.)
- West Publishing Company. (See Smith, Swan, assignor.)
- West, Robert, assignor of one-half to H. McMurray, New York, N. Y. Liquid-cooling device. 1,664,872; Apr. 3.
- West, Ross, et al. (See Harrison, Cecil B., assignor.)
- West, Ross R., San Francisco, Calif. Vault ventilator. 1,666,519; Apr. 17.
- West, Ulah J. W. (See Eason, Andrew J., assignor.)
- West, William C., assignor to West Process Pavement Company, Incorporated, Louisville, Ky. Asphaltic material and preparing same. 1,685,304; Sept. 25.
- West, William J., Alder, Wash. Combination tool. 1,675,476; July 3.
- West Bend Aluminum Company. (See Kircher, Ralph, assignor.)
- West Bend Aluminum Company. (See Wentorf, R. H., and Kircher, assignors.)
- Westberg, Carl F. (See Benson, E. J., Westberg, and Fernholtz.)
- Westberg, Sigurd, Pittsburgh, Pa. Reducing oxides to metallic form. 1,690,916; Nov. 6.
- Westboro Weaving Company. (See Richard, E. C., and Gill, assignors.)
- West Boylston Manufacturing Company. (See Burns, Alfred, assignor.)
- Westbrook, Leon R., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Cadmium plating. 1,681,509; Aug. 21.
- Westbrook, Moses H. (See Farr, B. J., and Westbrook.)
- Westbrook, Robert G., Birmingham, Ala. Waste trap. 1,679,190; July 31.
- Westbrook, Robert G., Birmingham, Ala. Reversible waste trap. 1,679,191; July 31.
- Westbrook, Robert G., and S. A. Brown, Birmingham, Ala. Outlet lock for gasoline tanks. 1,687,814; Oct. 16.
- Westby, Nickolay, St. Paul, Minn. Door-operating device. 1,681,962; Aug. 28.
- Westby, Severin, Seattle, Wash. Closure cap. 1,679,697; Aug. 7.
- Westbye, Peder P., Peterborough, Ontario, Canada. Barking drum. 1,667,996; May 1.
- Westco-Chippewa Pump Company. (See Derrick, William I., assignor.)
- Westco-Chippewa Pump Company. (See Holmes, Robert E. L., assignor.)
- Westcot, William B., assignor to Rubber Latex Research Corporation, Boston, Mass. Using latex and product thereof. 1,690,150; Nov. 6.
- Westcott, Jay M., Syracuse, N. Y. Door lock. 1,696,466; Dec. 25.
- Westcott & Thomson, Inc. (See Thomson, Charles J., assignor.)
- Westemeyer, Joseph G., jr. (See Neale, S., jr., and Westemeyer.)

- Westendorf, John W., Baltimore, Md. Window-shade fixture. 1,694,154; Dec. 4.
- Wester, Otto H., Newton, Kans. Apparatus for cutting tubular articles into predetermined lengths. 1,655,348; Jan. 3.
- Westerberg, Nils H., Hjorthagen Vartan, Sweden. Stud setting and loosening tool. 1,681,203; Aug. 21.
- Westerberg, Oscar F. (See Printz, K. W. T., and Westerberg.)
- Westerfield, Brasher O., assignor of one-half to E. C. Cox, Detroit, Mich. Candy-forming machine. 1,680,440; Aug. 14.
- Westerfield Pharmacal Company, The. (See Rogers, Edward J., assignor.)
- Westerfield, Samuel, New York, N. Y. Electric table lamp. Des. 76,273; Sept. 4.
- Westerfield, Samuel, New York, N. Y. Electric table lamp. Des. 76,274; Sept. 4.
- Westerfield, Samuel, New York, N. Y. Electric table lamp. Des. 76,443; Sept. 25.
- Westergaard, Helge, deceased, Solvang, Calif.; I. Westergaard, executrix. Heating element. 1,668,477; May 1.
- Westergaard, Ingeborg, executrix. (See Westergaard, Helge.)
- Westerheim, Sam, Sioux Falls, S. Dak. Window construction. 1,690,084; Oct. 30.
- Westerman, Claude C., Bremen, Ohio. Tub. 1,654,954; Jan. 3.
- Western Architectural Iron Company. (See Rundgren, Edward M., assignor.)
- Western Battery & Supply Company, The, et al. (See Jones, Hugh J., assignor.)
- Western Blower Company. (See Gould, Clark W., assignor.)
- Western Cartridge Company. (See Ernst, H., and Schuricht, assignors.)
- Western Cartridge Company. (See Olin, J. M., Davis, and Smith, assignors.)
- Western Clock Company. (See Talbot, Harrie F., assignor.)
- Western Coil & Electrical Company. (See Lewis, William T., assignor.)
- Western Electric Company. (See Adams, Arthur H., assignor.)
- Western Electric Company. (See Akers, Milton K., assignor.)
- Western Electric Company. (See Albright, Henry F., assignor.)
- Western Electric Company. (See Albright, Henry F., jr., assignor.)
- Western Electric Company. (See Anderegg, Gustavus A., assignor.)
- Western Electric Company. (See Andrews, John W., assignor.)
- Western Electric Company. (See Andrews, J. W., and Gillis, assignors.)
- Western Electric Company. (See Avery, Cordon R., assignor.)
- Western Electric Company. (See Bancroft, E. P., Burkholder, and Phelps, assignors.)
- Western Electric Company. (See Bandur, Adolph F., assignor.)
- Western Electric Company. (See Baulch, Ernest L., assignor.)
- Western Electric Company. (See Beath, C. P., and Heinicke, assignors.)
- Western Electric Company. (See Benjamin, John C., assignor.)
- Western Electric Company. (See Berry, Clarence H., assignor.)
- Western Electric Company. (See Bertels, Arnold S., assignor.)
- Western Electric Company. (See Björnson, Björn G., assignor.)
- Western Electric Company. (See Black, Harold S., assignor.)
- Western Electric Company. (See Blood, Harold L., assignor.)
- Western Electric Company. (See Blount, Harry, assignor.)
- Western Electric Company. (See Boe, Helmer J., assignor.)
- Western Electric Company. (See Bollinger, Charles, assignor.)
- Western Electric Company. (See Booth, W. T., and Magrath, assignors.)
- Western Electric Company. (See Borgeson, Sidney E., assignor.)
- Western Electric Company. (See Bouvier, George A., assignor.)
- Western Electric Company. (See Bower, Justus H., assignor.)
- Western Electric Company. (See Boynton, Stanley E., assignor.)
- Western Electric Company. (See Brown, Alfred B., assignor.)
- Western Electric Company. (See Buckley, Oliver E., assignor.)
- Western Electric Company. (See Bureau, Arthur A., assignor.)
- Western Electric Company. (See Burgess, Harry A., assignor.)
- Western Electric Company. (See Burns, R. M., and Warner, assignors.)
- Western Electric Company. (See Buttner, Harold H., assignor.)
- Western Electric Company. (See Carpenter, Warren W., assignor.)
- Western Electric Company. (See Clark, Edgar H., assignor.)
- Western Electric Company. (See Clement, Lewis M., assignor.)
- Western Electric Company. (See Colbeck, F. W. and Thronsen, assignors.)
- Western Electric Company. (See Craft, Edward B., assignor.)
- Western Electric Company. (See Crandall, Irving B., assignor.)
- Western Electric Company. (See Crawford, Carrol A., assignor.)
- Western Electric Company. (See Curtis, Austen M., assignor.)
- Western Electric Company. (See Dahl, Arthur C., assignor.)
- Western Electric Company. (See Daniels, E. A., and Snell, assignors.)
- Western Electric Company. (See Deakin, Gerald, assignor.)
- Western Electric Company. (See Dean, Emmet A., assignor.)
- Western Electric Company. (See Dean, Reginald S., assignor.)
- Western Electric Company. (See Dean, R. S., and Hudson, assignors.)
- Western Electric Company. (See Dodge, Harold F., assignor.)
- Western Electric Company. (See Dodge, H. F., and Frederick, assignors.)
- Western Electric Company. (See Eaves, Augustus J., assignor.)
- Western Electric Company. (See Edelmann, Otto, assignor.)
- Western Electric Company. (See Elmen, Gustaf W., assignor.)
- Western Electric Company. (See Engel, Theodore J., assignor.)
- Western Electric Company. (See Estes, Marion S., assignor.)
- Western Electric Company. (See Farrington, John F., assignor.)
- Western Electric Company. (See Fay, Joseph W., assignor.)
- Western Electric Company. (See Fearing, Justin L., assignor.)
- Western Electric Company. (See Field, Frank E., assignor.)
- Western Electric Company. (See Field, Joseph C., assignor.)
- Western Electric Company. (See Field, J. C., and Zogbaum, assignors.)
- Western Electric Company. (See Fletcher, Harvey, assignor.)
- Western Electric Company. (See Foley, John W., assignor.)
- Western Electric Company. (See Fondiller, William, assignor.)
- Western Electric Company. (See Ford, Ben K., assignor.)
- Western Electric Company. (See Frederick, H. A., and Blattner.)
- Western Electric Company. (See Friis, Harald T., assignor.)
- Western Electric Company. (See Fultz, Miles E., assignor.)
- Western Electric Company. (See Gabriel, John C., assignor.)
- Western Electric Company. (See Gabriel, J. C., and Thurston, assignors.)
- Western Electric Company. (See Gardner, Fred G., assignor.)
- Western Electric Company. (See Gargan, John O., assignor.)
- Western Electric Company. (See Garvin, John S., assignor.)
- Western Electric Company. (See Gauthier, Ernest, assignor.)
- Western Electric Company. (See Gent, Edgar W., assignor.)
- Western Electric Company. (See Gilbert, John J., assignor.)
- Western Electric Company. (See Gorton, William S., assignor.)
- Western Electric Company. (See Green, Charles W., assignor.)
- Western Electric Company. (See Griggs, Elmer V., assignor.)
- Western Electric Company. (See Grondahl, Hans H. C., assignor.)
- Western Electric Company. (See Haase, Carl O., assignor.)
- Western Electric Company. (See Haddock, Arthur, assignor.)
- Western Electric Company. (See Haines, W. T., and Harper, assignor.)
- Western Electric Company. (See Harris, James E., assignor.)
- Western Electric Company. (See Harrison, Henry C., assignor.)
- Western Electric Company. (See Hart, Carl D., assignor.)

- Western Electric Company. (See Hartley, Ralph V. L., assignor.)
 Western Electric Company. (See Hearn, John F., assignor.)
 Western Electric Company. (See Heising, Raymond A., assignor.)
 Western Electric Company. (See Hinrichsen, Edward E., assignor.)
 Western Electric Company. (See Hippensteel, Claude L., assignor.)
 Western Electric Company. (See Hodge, John C., assignor.)
 Western Electric Company. (See Hoffmann, Henry L., assignor.)
 Western Electric Company. (See Hofstetter, Robert, assignor.)
 Western Electric Company. (See Hoge, Joseph F. D., assignor.)
 Western Electric Company. (See Holland, Newman H., assignor.)
 Western Electric Company. (See Horton, Joseph W., assignor.)
 Western Electric Company. (See Hosford, William F., assignor.)
 Western Electric Company. (See Housekeeper, William G., assignor.)
 Western Electric Company. (See Hubbard, Francis A., assignor.)
 Western Electric Company. (See Ives, Herbert E., assignor.)
 Western Electric Company. (See Ives, H. E., and Long, assignors.)
 Western Electric Company. (See Jacobsen, E., and Sperry, assignor.)
 Western Electric Company. (See Jammer, Jacob S., assignor.)
 Western Electric Company. (See Jammer, J. S., and Green, assignors.)
 Western Electric Company. (See Jespersen, Helgo W., assignor.)
 Western Electric Company. (See Johnston, John, assignor.)
 Western Electric Company. (See Jones, Warren C., assignor.)
 Western Electric Company. (See Jorgensen, Edmund N., assignor.)
 Western Electric Company. (See Karcher, John C., assignor.)
 Western Electric Company. (See Kellar, William S., assignor.)
 Western Electric Company. (See Kelly, Mervin J., assignor.)
 Western Electric Company. (See Kendall, Burton W., assignor.)
 Western Electric Company. (See King, D. H., Dowd, and Stevens, assignors.)
 Western Electric Company. (See Kishpaugh, Arthur W., assignor.)
 Western Electric Company. (See Knaus, Peter J., assignor.)
 Western Electric Company. (See Knoop, William A., assignor.)
 Western Electric Company. (See Kochendorfer, Frederic S., assignor.)
 Western Electric Company. (See Kochendorfer, F. S., and Gill, assignors.)
 Western Electric Company. (See Kuhn, John J., assignor.)
 Western Electric Company. (See Lamplough, Leslie F., assignor.)
 Western Electric Company. (See Lindridge, Charles D., assignor.)
 Western Electric Company. (See Liss, August S., assignor.)
 Western Electric Company. (See Little, John S., assignor.)
 Western Electric Company. (See Loewe, Siegmund, assignor.)
 Western Electric Company. (See Long, Maurice B., assignor.)
 Western Electric Company. (See Low, Frank K., assignor.)
 Western Electric Company. (See Lum, George R., assignor.)
 Western Electric Company. (See Lundius, Eric R., assignor.)
 Western Electric Company. (See MacKenzie, Donald, assignor.)
 Western Electric Company. (See Mackeown, Samuel S., assignor.)
 Western Electric Company. (See Malm, Frank S., assignor.)
 Western Electric Company. (See Maneschi, Egidio E., assignor.)
 Western Electric Company. (See Marchev, Alfred, assignor.)
 Western Electric Company. (See Marrison, Warren A., assignor.)
 Western Electric Company. (See Martell, Charles, assignor.)
 Western Electric Company. (See Mason, Warren P., assignor.)
 Western Electric Company. (See Mathes, Robert C., assignor.)
 Western Electric Company. (See Maxfield, Joseph P., assignor.)
 Western Electric Company. (See May, D. T., and McCormick, assignors.)
 Western Electric Company. (See McKown, Frederick W., assignor.)
 Western Electric Company. (See McMullan, Samuel, assignor.)
 Western Electric Company. (See Mead, Edward D., assignor.)
 Western Electric Company. (See Miller, Daniel D., assignor.)
 Western Electric Company. (See Mills, John, assignor.)
 Western Electric Company. (See Moore, Charles R., assignor.)
 Western Electric Company. (See Morrison, Robert F., assignor.)
 Western Electric Company. (See Morton, Edmund R., assignor.)
 Western Electric Company. (See Mougey, W. E., and Collard, assignors.)
 Western Electric Company. (See Murphy, Paul B., assignor.)
 Western Electric Company. (See Nichols, Harold W., assignor.)
 Western Electric Company. (See Nichols, James C., assignor.)
 Western Electric Company. (See Nicolson, Alexander M., assignor.)
 Western Electric Company. (See Nielsen, John F., assignor.)
 Western Electric Company. (See Norton, Edward L., assignor.)
 Western Electric Company. (See Nottingham, Wayne B., assignor.)
 Western Electric Company. (See O'Donnell, Thomas E., assignor.)
 Western Electric Company. (See O'Neill, Henry W., assignor.)
 Western Electric Company. (See Oswald, Arthur A., assignor.)
 Western Electric Company. (See Palmer, Roy, assignor.)
 Western Electric Company. (See Pearson, Albert, assignor.)
 Western Electric Company. (See Pennock, George A., assignor.)
 Western Electric Company. (See Peterson, Eugene, assignor.)
 Western Electric Company. (See Pfannestieh, Harry, assignor.)
 Western Electric Company. (See Pierce, Paul H., assignor.)
 Western Electric Company. (See Potts, Louis M., assignor.)
 Western Electric Company. (See Powell, Raymond E., assignor.)
 Western Electric Company. (See Price, Ralph A., assignor.)
 Western Electric Company. (See Pugh, Emerson, assignor.)
 Western Electric Company. (See Ray, William H., assignor.)
 Western Electric Company. (See Raynsford, Arthur, assignor.)
 Western Electric Company. (See Rinck, Franklin B., assignor.)
 Western Electric Company. (See Rock, George L., assignor.)
 Western Electric Company. (See Rorty, M. C., and Potter, assignors.)
 Western Electric Company. (See Roscoe, Robert, assignor.)
 Western Electric Company. (See Royal, Roscoe, assignor.)
 Western Electric Company. (See Ryan, Francis M., assignor.)
 Western Electric Company. (See Sanders, William R., assignor.)
 Western Electric Company. (See Santschi, Arthur E., assignor.)
 Western Electric Company. (See Saunders, Alfred W., assignor.)
 Western Electric Company. (See Schafer, John P., assignor.)
 Western Electric Company. (See Schelleng, John C., assignor.)
 Western Electric Company. (See Schmied, James W., assignor.)
 Western Electric Company. (See Schmitt, Hugo R., assignor.)
 Western Electric Company. (See Schulz, Arthur E., assignor.)
 Western Electric Company. (See Schulz, A. E., and Aeby, assignors.)
 Western Electric Company. (See Schumacher, Earle E., assignor.)
 Western Electric Company. (See Schwerin, Paul, assignor.)
 Western Electric Company. (See Scruby, S. V. C., Turkhud, and de Fremery, assignors.)
 Western Electric Company. (See Seeley, George A., assignor.)
 Western Electric Company. (See Selvig, John N., assignor.)

- Western Electric Company. (See Shackelton, William J., assignor.)
- Western Electric Company. (See Siebs, Claude T., assignor.)
- Western Electric Company. (See Siegmund, Humphreys O., assignor.)
- Western Electric Company. (See Siegmund, H. O., and Brown, assignors.)
- Western Electric Company. (See Sivian, Leon J., assignor.)
- Western Electric Company. (See Smith, Andrew B., assignor.)
- Western Electric Company. (See Smith, Walter F., jr., assignor.)
- Western Electric Company. (See Smythe, Edwin H., assignor.)
- Western Electric Company. (See Snell, Harry S., assignor.)
- Western Electric Company. (See Snook, Homer C., assignor.)
- Western Electric Company. (See Speed, James B., assignor.)
- Western Electric Company. (See Sprague, Clarence A., assignor.)
- Western Electric Company. (See Stewart, Clarence R. G., assignor.)
- Western Electric Company. (See Stoekle, Erwin R., assignor.)
- Western Electric Company. (See Stoller, Hugh M., assignor.)
- Western Electric Company. (See Stoller, H. M., and Morton, assignors.)
- Western Electric Company. (See Straw, Walter A., assignor.)
- Western Electric Company. (See Stull, John S., assignor.)
- Western Electric Company. (See Sturdevant, Earl G., assignor.)
- Western Electric Company. (See Sundt, Edward V., assignor.)
- Western Electric Company. (See Swasey, Carleton F., assignor.)
- Western Electric Company. (See Terry, Donald M., assignor.)
- Western Electric Company. (See Thompson, George, assignor.)
- Western Electric Company. (See Thorp, Kermit O., assignor.)
- Western Electric Company. (See Till, Harris R., assignor.)
- Western Electric Company. (See Tournier, Edward P., assignor.)
- Western Electric Company. (See Vadersen, Herbert, assignor.)
- Western Electric Company. (See Vennes, Harold J., assignor.)
- Western Electric Company. (See Voos, Frederick A., assignor.)
- Western Electric Company. (See Watkins, Stanley S. A., assignor.)
- Western Electric Company. (See Wegel, Raymond L., assignor.)
- Western Electric Company. (See Went, Edward C., assignor.)
- Western Electric Company. (See Wheeler, Edmund B., assignor.)
- Western Electric Company. (See Wheeler, E. B., and Wright, assignors.)
- Western Electric Company. (See White, John H., assignor.)
- Western Electric Company. (See Whited, Burns L., assignor.)
- Western Electric Company. (See Whitehorn, Homer A., assignor.)
- Western Electric Company. (See Whiting, Donald F., assignor.)
- Western Electric Company. (See Whiting, D. F., and Blanchard, assignors.)
- Western Electric Company. (See Wickstrom, Charles A., assignor.)
- Western Electric Company. (See Williams, Robert R., assignor.)
- Western Electric Company. (See Williams, Samuel B., jr., assignor.)
- Western Electric Company. (See Wilson, Ira G., assignor.)
- Western Electric Company. (See Went, Edward C., assignor.)
- Western Electric Company. (See Wolfe, Wallace V., assignor.)
- Western Electric Company. (See Wood, Ernest B., assignor.)
- Western Electric Company. (See Wotton, James A., assignor.)
- Western Electric Company. (See Yale, Walter S., assignor.)
- Western Electric Company. (See Yancey, Thornton M. D., assignor.)
- Western Electric Company. (See Ziegler, Arthur W., assignor.)
- Western Electric Company Incorporated. (See Selvig, John N., assignor.)
- Western Electric & Manufacturing Company. (See Fehelmer, Carl J., assignor.)
- Western Electric Piano Company. (See Larson, Axel F., assignor.)
- Western Envelope Corporation. (See Alter, Julius M., assignor.)
- Western Gas Construction Company. (See Hayes, Fred B., assignor.)
- Western Gas Construction Company. (See Stone, Thomas W., assignor.)
- Western Gas Construction Company, The. (See Stone, T. W., and Barr, assignors.)
- Western Glass Company, The. (See Jacklin, Leonard F., assignor.)
- Western Hair Goods Co. (See Sterling, Bernard A., assignor.)
- Western Harvester Co. (See Thoen, Lowell H., assignor.)
- Western Ignition Company. (See Reis, Curt F., assignor.)
- Western Iron and Foundry Company. (See Anthony, Frederick J., assignor.)
- Western Lumber Manufacturing Co. (See Rea, F. B., and Smith, assignors.)
- Western Metal Specialty Co. (See Olsen, Julius C., assignor.)
- Western Oil Coil & Electric Co. (See Flegel, B. F., and Lewis, assignors.)
- Western Pipe and Steel Company of California. (See Ruple, William E., assignor.)
- Western Railway Equipment Company. (See Campbell, Sterling H., assignor.)
- Western Railway Equipment Company. (See Hoerr, Louis A., assignor.)
- Western Railway Equipment Co. (See Howard, Charles L., assignor.)
- Western Railway Equipment Company. (See Pietzsch, F. H., and Campbell, assignors.)
- Western Safety Manufacturing Company. (See Parker, Charles F., assignor.)
- Western Safety Razor Company. (See Smith, Margaret J., assignor.)
- Western Shade Cloth Company. (See Freestate, Charles P., assignor.)
- Western States Envelope Co. (See Vallier, Elijah G., assignor.)
- Western States Machine Company, The. (See Roberts, Eugene, assignor.)
- Western Steel Products Limited. (See Detwiler, Daniel W., assignor.)
- Western Supplies Co. (See Woodworth, Roy V., assignor.)
- Western Supply Company. (See Croto, Frank E., assignor.)
- Western Union Telegraph Company. (See Foster, Lee R., assignor.)
- Western Union Telegraph Company, The. (See Angel, Herbert, assignor.)
- Western Union Telegraph Company, The. (See Dickie, Douglas P., assignor.)
- Western Union Telegraph Company, The. (See Dirkes, Robert F., assignor.)
- Western Union Telegraph Company, The. (See Drake, Herbert W., assignor.)
- Western Union Telegraph Company, The. (See Dudley, William A., assignor.)
- Western Union Telegraph Company, The. (See Hewitt, E. W., Maus, and Marx, assignors.)
- Western Union Telegraph Company, The. (See Janson, George W., assignor.)
- Western Union Telegraph Company, The, et al. (See Locke, G. A., and Haglund, assignors.)
- Western Union Telegraph Company. (See Mample, Adolph Z., assignor.)
- Western Union Telegraph Company, The. (See Mample, A. Z., and Harrall, assignors.)
- Western Union Telegraph Company, The. (See McChesney, Horace B., assignor.)
- Western Union Telegraph Company, The. (See Meader, R. L., and Hewitt, assignors.)
- Western Union Telegraph Company, The. (See Milnor, Joseph W., assignor.)
- Western Union Telegraph Company, The. (See Mobius, C. E., and Engler, assignors.)
- Western Union Telegraph Company, The. (See Reiss, Charles T., assignor.)
- Western Union Telegraph Company, The. (See Rovere, Lewis H., assignor.)
- Western Wheeled Scraper Company. (See Anderson, Philip C., assignor.)
- Western Wheeled Scraper Company. (See Benbow, James D., assignor.)
- Western Wheeled Scraper Company. (See Morton, Rolla A., assignor.)
- Western Wire & Iron Works. (See Martinek, Michael, assignor.)
- Western Wire Products Company. (See Young, Lee C., assignor.)
- Westerschulte, F. H. (See Arnolds, Werner, assignor.)
- Westervelt, George W., Webster Groves, Mo. Theater-seat annunciator. 1,668,929; May 8.
- Westfälische Metallwarenfabrik G. m. b. H. (See Verse, Fritz E., assignor.)
- Westfield River Paper Company. (See Grimm, Gerhardt E., assignor.)
- West Haven Foundry Co. (See Shutter, Walter G., assignor.)
- Westhaver, Harold J., assignor of one-half to W. A. Lee, San Diego, Calif. Wire-stringing pilot. 1,675,235; June 26.

- Westin, Chester J., Rockaway, N. J., assignor to Wire-
bounds Patents Company. Machine for use in making
boxes. 1,666,035: Apr. 10.
- Westinghouse Air Brake Company, The. (See Aikman,
Burton S., assignor.)
- Westinghouse Air Brake Company, The. (See Chevillot,
Alfred, assignor.)
- Westinghouse Air Brake Company, The. (See Cook, Earle
S., assignor.)
- Westinghouse Air Brake Company, The. (See Dapron,
Joseph M., assignor.)
- Westinghouse Air Brake Company, The. (See Dean, Wil-
liam E., assignor.)
- Westinghouse Air Brake Company, The. (See Down,
Sidney G., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer,
Clyde C., assignor.)
- Westinghouse Air Brake Company, The. (See Farmer,
C. C. and McCune, assignors.)
- Westinghouse Air Brake Company, The. (See Farmer,
C. C. and Thomas, assignors.)
- Westinghouse Air Brake Company, The. (See Fowler,
L. A. and Hukill, assignors.)
- Westinghouse Air Brake Company, The. (See Hukill,
Henry D., assignor.)
- Westinghouse Air Brake Company, The. (See Kelley,
Cecil S., assignor.)
- Westinghouse Air Brake Company, The. (See Knab,
Max, assignor.)
- Westinghouse Air Brake Company, The. (See Leeper,
James A., assignor.)
- Westinghouse Air Brake Company, The. (See Leeper,
J. A. and Strong, assignors.)
- Westinghouse Air Brake Company, The. (See Livingston,
Fremont P., assignor.)
- Westinghouse Air Brake Company, The. (See Mackert,
Albert A., assignor.)
- Westinghouse Air Brake Company, The. (See McCune,
Joseph C., assignor.)
- Westinghouse Air Brake Company, The. (See Miller,
Raymond E., assignor.)
- Westinghouse Air Brake Company, The. (See Nelson,
Claude A., assignor.)
- Westinghouse Air Brake Company, The. (See Peterson,
Andrew F., assignor.)
- Westinghouse Air Brake Company, The. (See Stewart,
Carlton D., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas,
Thomas H., assignor.)
- Westinghouse Air Brake Company, The. (See Thomas, T.
H., and Cook, assignors.)
- Westinghouse Air Brake Company, The. (See Thomas,
T. H. and Nelson, assignors.)
- Westinghouse Air Brake Company, The. (See Whitaker,
Uncas A., assignor.)
- Westinghouse Air Brake Company, The. (See Widmyer,
Robert G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Aalborg, Christian, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Aiken, Joseph E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Allcutt, Chester T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Allen, George Y., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Allen, Robert C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Andersen, Niels K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Ansingh, Herman K., assignor.)
- Westinghouse Electric and Manufacturing Company.
(See Aram, Otto, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Armstrong, Edwin H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Arnold, Edwin E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Ashbaugh, John H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Aspinwall, Louis M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Atherton, Alfred L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Austin, Bascom O., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Austin, Walter M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bailey, Richard W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Baker, John F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bakken, Andrew H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See
Baruch, Milton, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bastian, Arthur J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Baumann, Karl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Baxter, Harold G., assignor.)
- Westinghouse Electric and Manufacturing Company.
(See Baxter, H. G. and Krantz, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Beiersdorf, Hans, assignor.)
- Westinghouse Electric and Manufacturing Company.
(See Bethel, C. and McCloskey, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Bethel, Claude, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bliziotis, George E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Boddie, Clarence A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bouton, Edgar M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Brace, Porter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bradshaw, William M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bradshaw, W. M. and Boddie, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Breisch, Edgar W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Breisch, E. W. and Falknor, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Brooks, R., and Croft, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Brown, Arthur L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See
Brown, James M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Brown, Walter J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bryant, Ozro N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Bryant, Roger H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Burnham, L. F., Keim, and Schafer, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Butcher, Charles A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Callsen, Albert, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Candee, Andrew H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Cares, Harry P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Carpenter, Cranston H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Chichon, Leslie N., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Chubb, Lewis W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Clark, Earl K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Coates, William A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Coates, W. A. and Davies, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Coates, W. A., Gittins, and Davies, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Cochran, Paul B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Colby, Ora A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Collins, George A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Conant, David J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Cone, James H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Conrad, Frank, assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Cook, Joel R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Copley, A. W. and Evans, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Cordes, Oscar C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Crichton, Leslie N., assignor.)
- Westinghouse Electric and Manufacturing Company. (See
Crichton, L. N., and Golladay, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Dann, Walter M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See
Dann, W. M., Hill, and Sipher, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Davis, David C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Davis, Robert L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
De Camp, Ray E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
De Vries, Andrew, assignor.)
- Westinghouse Electric and Manufacturing Company. (See
Dobson, J. V. and Jones, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Dossert, J. J. and Greaves, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Drake, Chester W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Eaton, George M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Eaton, G. M., and Rose, assignors.)
- Westinghouse Electric & Manufacturing Company. (See
Edmonds, Warren O., assignor.)
- Westinghouse Electric & Manufacturing Company. (See
Ehrenfeld, Ralph, assignor.)

- Westinghouse Electric & Manufacturing Company. (See Ellis, Alfred G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Else, Harry D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Erskine, Ralph W.)
- Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Evans, R. D., and Sels, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Evans, R. D., Wagner, Dovjikov, and Shand, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Falknor, Frank B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Fay, Carl J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Fechheimer, Carl J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Field, Allan B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Finnen, William J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Foresman, R. A., and Larrabee, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Forshee, Frank F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Fortescue C. L., and Evans, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles Le G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Freeman, Hubert M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Gano, Harlan S., assignor.)
- Westinghouse Electric & Manufacturing Company, The. (See Garlits, Edward E., assignors.)
- Westinghouse Electric & Manufacturing Company. (See Gelman, M., and Urschler, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Gibbs, J. B., and Burr, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Gilchrest, George I., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Goelz, Leonard A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Goldsborough, Shirley L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Golladay, Lawrence R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Greenawalt, Lewis J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Guy, Henry L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Haas, Carl F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Halfverson, Gustaf A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hall, A. J., and Mardis, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hanna, David B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hanzlik, Henry J., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Harpster, C. C., and King, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Harrington, G. F., and Brace, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Hartzell, Walter L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Harvey, Albert L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hawkinson, Emil E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Helander, Linn, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hengstenberg, Paul M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Herr, H. T., and Kasley, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Hess, Duncan C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Highbee, Ray P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hill, Leland H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Himes, Walter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hines, B., and Richards, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Hinline, Harris D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hodgkins, Charles H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hodgkinson, F., and Allen, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Houck, Harry W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Houston, Harold A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Hunt, Lloyd F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Innes, William, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jablow, Charles, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jackson, Ray P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jennings, Henry L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Jennings, Oliver S., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Jennings, O. S., and von Hoorn, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Johnson, Josiah F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Johnston, Howard L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Juhlin, G. A., and Miller, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Jungk, Herbert G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kalkner, Friedrich, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kendig, Julian H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See King, Harvey, assignor.)
- Westinghouse Electric & Manufacturing Company. (See King, William R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kintner, Samuel M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kintzing, Reese T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kintzing, R. T., and Cordes, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Kirkpatrick, Thomas P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Klein, I., and Hammer, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Kloss, Ernst, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Knape, Charles N. F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Knight, Montgomery, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kniskern, Floyd B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kreisel, Paul, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kuhn, Ludwig, assignor.)
- Westinghouse Electric & Manufacturing Company. (See La Bar, Bert G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lamb, Carl J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Laufer, F. P., and Hoey, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Legg, Joseph W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lehr, Edwin, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lincoln, Rollo B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Little, D. G., and Davis, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Loewe, Siegmund, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Louth, Herbert, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Lovell, William V., assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacFarland, Allis M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacFarlaud, Florence, assignor.)
- Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)
- Westinghouse Electric and Manufacturing Company. (See MacNeill, J. B., Bakken, and Tucker, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Mallory, Edward B., assignor.)

- Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Matthews, Howard D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Matthews, H. D., and Bisbee, assignors.)
- Westinghouse Electric & Manufacturing Company. (See McCoy, Walter E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
- Westinghouse Electric & Manufacturing Company. (See McWilliams, Arthur C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Menzies, William E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Miller, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Frederic H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, Frederic H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Miller, H. C., and Mottlau, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Miner, Douglas F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mochel, Norman L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Morgan, David W. R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mottlau, August J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mourmoutseff, Ilya E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Mullen, R. T., and Kells, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Mylius, W. G., and Hoeftman, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Mylius, W. G., and La Bar, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Naylor, William K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Newbury, Frank D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Newhouse, Homer E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Newmeyer, William L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Nottage, Stanley G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Nyman, A., and Conrad, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Nyman, Alexander, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Oman, Carl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Palmer, Delos M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Parks, F. M., and Shaw, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Paschen, Paul, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Payne, Halsey D., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Payne, H. D., De Clerque, and Sjoberg, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Perkins, Lawrence M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Peters, William G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Peterson, Alfred J. A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Philippi, Arthur K., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pierce, Raymond T., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pilling, Norman B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pineles, Solomon M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ponsonby, Amos A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Press, Abraham, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Pukerud, Thomas S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rathbone, Thomas C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ray, James L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Reavis, Andrew B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Reiter, Franz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Reynders, Arthur B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Richards, Earl M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Richter, Hans, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Robinson, Ernest X., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rodman, Clarence J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Ronneberger, Fritz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Roth, Albert, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rottgardt, Karl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rosenbaum, Bruno, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rüdenberg, Reinhold, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Rutter, Argyle R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rutter, A. R., and Mylius, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Ryder, Harry M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sanderson, Sheldon L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sandfield, Michael, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schenck, Samuel B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schenkel, Moritz, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schiller, Ferdinand, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schmerber, Lee B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schmitt, Georg, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schmidt, Henry F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schneider, Stephan, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schnepf, Johann, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schramm, Walter H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schuster, Otto, P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Schwendner, A. F., and Myers, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Scott, Howard, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Scott, Thomas S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Selah, Howard A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sessinghaus, Johannes, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Shand, Errol B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Simmon, Karl A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Skinner, Merrill E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Sleeper, Harvey P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Slepian, J., and Pineles, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Smith, John H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Marvin W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Söderberg, Carl R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sparkes, Harry P., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Specht, Hans C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Spelser, Gottlieb, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Spooner, Thomas, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Staeger, Stephen A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Steiner, L., and Gutmann, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stickney, Fernald S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stolz, Joseph, assignor.)

- Westinghouse Electric & Manufacturing Company. (See Stransky, Hans, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Stumm, Ross M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sutherland, E. E., and Forshee, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Sutherland, L., and Freeman, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Swars, Paul G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Tamele, Karl, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Taylor, George C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Thomas, Irvin G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Thomas, Max, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Todd, Victor H., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Townsend, John R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Townend, R., and Kuyser, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Trumpler, William E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Turner, George S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Tupper, Frank H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Ulrey, D., and Mayne, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Van Deventer, Harry R., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Vaughan, Victor G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Vaupel, Albert, assignor.)
- Westinghouse Electric & Manufacturing Company. (See von Kando, Kalman, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wagner, Charles F., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wahlberg, Nils J. A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wakefield, Richard E. B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Weaver, James B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Weber, Henry C. P., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Welsch, Frank G., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Wessel, Walter, assignor.)
- Westinghouse Electric & Manufacturing Company. (See White, Harold E., assignor.)
- Westinghouse Electric & Manufacturing Company. (See White, T. U., and Gardner, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Williams, Harold W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Williams, H. W., and Boozer, assignors.)
- Westinghouse Electric & Manufacturing Company. (See Wilson, Arthur L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wilson, Joseph B., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Wise, Allen S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Zeitler, Albert L., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
- Westinghouse Electric & Manufacturing Company et al. (See Getz, Benjamin E., assignor.)
- Westinghouse Gear and Dynamometer Company. (See Allen, Robert C., assignor.)
- Westinghouse Lamp Company. (See Amatel, Harold, assignor.)
- Westinghouse Lamp Company. (See Demarest, Daniel D., assignor.)
- Westinghouse Lamp Company. (See Einson, Morris M., assignors.)
- Westinghouse Lamp Company. (See Ekstedt, John W., assignor.)
- Westinghouse Lamp Company. (See Gero, William B., assignor.)
- Westinghouse Lamp Company. (See Goodspeed, Franklin S., assignor.)
- Westinghouse Lamp Company. (See Greenbowe, James W., assignor.)
- Westinghouse Lamp Company. (See Hallock, George W., assignor.)
- Westinghouse Lamp Company. (See Higgins, John J., assignor.)
- Westinghouse Lamp Company. (See Higgins, J. J., and Hoyt, assignors.)
- Westinghouse Lamp Company. (See Holden, William H. T., assignor.)
- Westinghouse Lamp Company. (See Iredell, Charles V., assignor.)
- Westinghouse Lamp Company. (See Lederer, Ernest A., assignor.)
- Westinghouse Lamp Company. (See Lorenz, Charles F., assignor.)
- Westinghouse Lamp Company. (See Lyle, Andrew E., assignor.)
- Westinghouse Lamp Company. (See Marden, John W., assignor.)
- Westinghouse Lamp Company. (See Marden, J. W., and Conley, assignors.)
- Westinghouse Lamp Company. (See Marden, J. W., and Richardson, assignors.)
- Westinghouse Lamp Company. (See Marden, J. W., Thomas, and Conley, assignors.)
- Westinghouse Lamp Company. (See May, Frederick T., assignor.)
- Westinghouse Lamp Company. (See Meister, George W., assignor.)
- Westinghouse Lamp Company. (See O'Neill, George D., assignor.)
- Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
- Westinghouse Lamp Company. (See Rentschler, H. C., and Marden, assignors.)
- Westinghouse Lamp Company. (See Rich, Malcolm N., assignor.)
- Westinghouse Lamp Company. (See Thomas, Thomas P., assignor.)
- Westinghouse Lamp Company. (See Ulrey, Clayton T., assignor.)
- Westinghouse Lamp Company. (See Wadsten, Sten, assignor.)
- Westinghouse Lamp Company. (See Weeks, P. T., and Huffman, assignors.)
- Westinghouse Lamp Company. (See Whitmore, James B., assignor.)
- Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)
- Westinghouse Union Battery Company. (See Norris, P. E., and Aldrich, assignors.)
- Westinghouse Union Battery Company. (See Schlossnagel, Carl E., assignor.)
- Westlake, Albert, New York, N. Y. Bottle cap. 1,686,356; Oct. 2.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive trailer truck. 1,675,679; July 3.
- Westlin, Carl T. (See Hymans, F., and Westlin.)
- Westling, Andrew, assignor to Concrete Elevator Company, Minneapolis, Minn. Apparatus for removing grain doors. 1,690,262; Nov. 6.
- Westling, Carl J., assignor to Construction Machinery Company, Waterloo, Iowa. Loader for cement mixers. 1,661,244; Mar. 6.
- Westling Herman, Watertown, assignor to Cambridge Rubber Company, Cambridge, Mass. Overshoe. Des. 77,278; Dec. 18.
- Westling, Herman, Watertown, Mass. Overshoe. 1,691,894; Nov. 13.
- Westly, Jens, Kristiansand, assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Process in the employment of self-baking electrodes. 1,657,948; Jan. 31.
- Westly, Jens, Christiansand, assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Production of self-baking electrodes. 1,679,284; July 31.
- Westman, Adolf, A. J., Montreal, Quebec, Canada. Rotary valve for internal-combustion engines. 1,683,275; Sept. 4.
- Westman, Francis C., Toronto, Ontario, Canada. Ice-scoring machine. 1,666,868; Apr. 17.
- Westmoreland Chemical & Color Company, The. (See Stewart, Henry C., assignor.)
- Westmoreland, Ennes L., Ogden, Utah. Extensible chassis for automobiles. 1,678,411; July 24.
- Westmoreland Specialty Company. (See Becker, Fred C., assignor.)
- Weston, Calvin H., Tyrone, Pa. Nonskid chain for automobiles. 1,673,655; June 12.
- Weston, Charles W., Pampa, assignor of one-fourth to Z. Wilson, Hidalgo County, and one-half to F. E. Osborn, F. B. Freeland, and G. Griffin, McAllen, Tex. Serving counter. Des. 75,396; May 29.
- Weston, Charles W., Pampa, assignor of one-fourth to Z. Wilson, Hidalgo County, and one-half to F. E. Osborn, F. B. Freeland, and G. Griffin, McAllen, Tex. Wall-paper border. Des. 75,886; July 24.
- Weston, Edward B., assignor to The Weston Paper and Mfg. Co., Dayton, Ohio. Display rack. 1,667,913; May 1.
- Weston, Edward B., Dayton, Ohio, and W. G. Clark, Terre Haute, Ind., assignors to Weston Paper and Mfg. Co., Dayton, Ohio. Stripping paper. 1,680,711; Aug. 14.
- Weston, Edward F., Newark, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Multiplier. 1,660,285; Feb. 21.
- Weston Electrical Instrument Corporation. (See Carpenter, Grant, assignor.)
- Weston Electrical Instrument Corporation. (See Vawter, Charles E., assignor.)
- Weston Electrical Instrument Corporation. (See Weston, Edward E., assignor.)

- Weston, Frederick W., Chicago, Ill. Cooling-system control. 1,695,446; Dec. 18.
- Weston, Harmon L. (See Conkle, R. H., Clay, and Weston.)
- Weston, Julius S. (See Moss, L. N., and Weston.)
- Weston Paper and Mfg. Co., The. (See Weston, Edward B., assignor.)
- Weston Paper and Mfg. Co., The. (See Weston, E. B., and Clark, assignors.)
- Weston, Sidney F. (See Adams, Charles, Jr., assignor.)
- Weston, William S., Columbia, S. C. Gyratory crusher. 1,667,337; Apr. 24.
- Westphal, Frederick, New York, N. Y. Nonrefillable bottle. 1,693,879; Dec. 4.
- Westphalen, Leonard F., Chicago, Ill. Miniature arc lamp. 1,658,269; Feb. 7.
- Westrate, Matthew, Grand Rapids, Mich. Rotary tool mechanism. 1,662,992; Mar. 20.
- Westrich, Alphons L., Hawthorne, Calif. Wall construction. 1,666,635; Apr. 17.
- West Virginia Pulp Paper Company. (See Drewsen, Vigo, assignor.)
- Westwick, John W., sr., Galena, Ill. Furnace construction. 1,656,803; Jan. 17.
- Westwick, John W., sr., Galena, Ill. Furnace. 1,696,067; Dec. 18.
- Wetherbee, Herbert E., Cleveland, Ohio. Treating metaliferous sulphides. 1,674,491; June 19.
- Wetherbee, Herbert E., assignor of one-third to R. F. Grant and one-third to H. M. Hanna, Cleveland, Ohio. Treating and forming artificial fuels. 1,683,061; Sept. 4.
- Wetherbee, Herbert E. (See Grant, R. F., Richards, and Wetherbee.)
- Wetherbee, Herbert E., assignor of one-third to R. F. Grant and one-third to H. M. Hanna, Cleveland, Ohio. Treating and forming artificial fuel. 1,687,815; Oct. 16.
- Wetherbee, Herbert E., assignor of one-third to R. F. Grant and one-third to H. M. Hanna, Cleveland, Ohio. Treating artificial fuels. 1,696,511; Dec. 25.
- Wetmore, Earl P., Concord, Mich., assignor to The Ancoil-coal Burner Co., Toledo, Ohio. Method and apparatus for burning fuel. 1,693,880; Dec. 4.
- Wetmore, Laurence, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cementing device for bands. 1,656,877; Jan. 17.
- Wetmore, Laurence, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Distributing washers to the pins of heel molds. 1,662,019; Mar. 6.
- Wetmore, Laurence, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Shaping device. 1,665,870; Apr. 10.
- Wetmore, Miner P., assignor to The American Thermos Bottle Company, Norwich, Conn. Double-walled vacuum receptacle. 1,663,032; Mar. 20.
- Wetmore, Robert E. (See Morrow, P. K., and Wetmore.)
- Wettengel, George A., St. Louis, Mo. Device for preventing theft of automobiles on highways. 1,688,479; Oct. 23.
- Wettlauger, William H. (See Lamotke, Frederick, assignor.)
- Wettstein, Fritz, Summit, N. J., assignor to Ruths Accumulator Company, Inc., New York, N. Y. Steam-accumulator plant. 1,654,955; Jan. 3.
- Wettstein, Fritz, Toronto, Ontario, Canada, assignor to Aktiebolaget Vaporaccumulator, Stockholm, Sweden. Steam plant. 1,668,098; May 1.
- Wettstein, Karl, Brux, Czechoslovakia. Reinforced building element. 1,670,557; May 22.
- Wetzel, Edward A., Royal Oak, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa. Glass-runway construction for windows. 1,674,382; June 19.
- Wetzel, Lewis C., Windsor, Ontario, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Coin-controlled device. 1,656,459; Jan. 17.
- Wetzel, Lewis C., Windsor, Ontario, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,686,779; Oct. 9.
- Wetzel, Lewis C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,685,793; Oct. 2.
- Wetzell, Clare A., Sterling, Ill. Wheel bearing figure toy. Des. 75,887; July 24.
- Wetzell, Clare A., Sterling, Ill. Wheel bearing figure toy. Des. 75,888; July 24.
- Wetzell, Clare A., Sterling, Ill. Projecting figure wheel toy. 1,692,714; Nov. 20.
- Wetzler, Max, Brooklyn, N. Y. Clamp. 1,659,342; Feb. 14.
- Weyandt, Carl S., Pittsburgh, Pa., assignor to National Electric Manufacturing Company. System for vibrating industrial screens. 1,655,482; Jan. 10.
- Weyandt, Carl S., Pittsburgh, Pa., assignor to Central Electric Tool Company. Reciprocating electric motor. 1,678,278; July 24.
- Weyandt, Carl S., assignor to Central Electric Tool Company, Pittsburgh, Pa. Reciprocating motor. 1,680,311; Aug. 14.
- Weydert, Hubert J., Levallois-Perret, France. Shock absorber working with progressive compression. 1,679,698; Aug. 7.
- Weyer, Elliott R., Washington, Pa. Fermentation process. 1,696,022; Dec. 18.
- Wever, Frank M., Anderson, S. C. Acid-phosphate hot-dry excavator. 1,675,871; July 3.
- Weyer, George H. (See Weyer, William A., assignor.)
- Weyer, William A., Kansas City, assignor to G. H. Weyer, St. Joseph, Mo. Bottle. Des. 75,313; May 22.
- Weyl, Charles N., Philadelphia, Pa. Method and apparatus for taking synchronized radiograph exposures. 1,688,675; Oct. 23.
- Weyler, Ferdinand P. A., and H. Freed, Philadelphia, Pa. Electrical police signal. 1,683,274; Sept. 4.
- Weymann, Charles T. (See Walker, Albert H., assignor.)
- Weymann, Charles T., Paris, France. Close road-motor-vehicle body. 1,694,572; Dec. 11.
- Weymann, Charles T., Paris, France, assignor to Weymann's Motor Bodies (1925) Limited, London, England. Latch for carriage doors and the like. 1,690,655; Nov. 6.
- Weymann's Motor Bodies (1925) Limited. (See Weymann, Charles T., assignor.)
- Wezel, Walter. (See Schmid, R., and Wezel.)
- Whalen, James, Omaha, Nebr. Fluid-pole electric switch. 1,688,217; Oct. 16.
- Whalen, John, Jamaica, N. Y. Race-track barrier. 1,659,713; Feb. 21.
- Whalen, Milton W., Baltimore, Md. Hub-liner lubricator. 1,663,033; Mar. 20.
- Whalen, Nicholas D., assignor to E. C. Healy, Attleboro, Mass., doing as J. T. Healy & Son. Bracelet chain or similar article. Des. 76,510; Oct. 2.
- Whalen, William H., Los Angeles, Calif. Track sprinkler. 1,685,581; Sept. 25.
- Whaley, Emory G., assignor of one-half to F. E. Sackrider, Enid, Okla. Pressure-control device for use in coupling oil-well casing. 1,677,538; July 17.
- Whaley Engine Patents, Inc. (See Whaley, William B. S., assignor.)
- Whaley Engine Patents, Inc. (See Whaley, W. B. S., Muller, and Tursky, assignors.)
- Whaley, William B. S., New York, N. Y., assignor to Whaley Engine Patents, Inc. Apparatus for supplying liquid fuel to internal-combustion engines. 1,673,277; June 12.
- Whaley, William B. S., New York, C. A. Muller, Brooklyn, and C. M. Tursky, assignors of two-thirds to Whaley Engine Patents, Inc., New York, N. Y., and one-third to said Muller. Valve mechanism. 1,684,424; Sept. 18.
- Wharton, Edward R. (See McCarthy, Charles T., assignor.)
- Wharton, William, jr., & Company. (See Stürcke, Herman E., assignor.)
- Whatmough, Wilfred A., Finchley, England. Production of emulsions. 1,663,323; Mar. 20.
- Wheary, George H., assignor to Wheary Trunk Co., Racine, Wis. Baggage carrier. 1,682,056; Aug. 28.
- Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Baggage carrier. 1,682,057; Aug. 28.
- Wheary, George H., and M. Kurten, assignors to Wheary Trunk Co., Racine, Wis. Drawer-locking device. 1,686,194; Oct. 2.
- Wheary Trunk Co. (See Wheary, George H., assignor.)
- Wheary Trunk Co. (See Wheary, G. H., and Kurten, assignors.)
- Wheat, Frank B., Los Angeles, Calif. Sectional partition or panel structure. 1,671,560; May 29.
- Wheat, Frank B., Los Angeles, Calif. Sectional partition or panel structure. 1,671,561; May 29.
- Wheat, Frank B., Los Angeles, Calif. Sectional partition and panel structure. 1,681,074; Aug. 14.
- Wheatley, Robert L., Hammond, Ind., assignor of one-tenth to F. D. Wilson, Harvey, Ill. Material loader. 1,686,053; Oct. 2.
- Wheaton, A. W., Brass Works. (See Wheaton, Abram W., jr., assignor.)
- Wheaton, Abram W., jr., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Faucet wrench. 1,694,242; Dec. 4.
- Wheaton, Harold J., Lower Walton, near Warrington, England, assignor, by mesne assignments, to American Doucil Company, Philadelphia, Pa. Base-exchange compound and making it. 1,694,155; Dec. 4.
- Wheelan, Robert B., Brooklyn, N. Y. Loud speaker. 1,665,826; Apr. 10.
- Wheelan, Robert B., New York, N. Y. Loud-speaker unit. 1,692,600; Nov. 20.
- Wheeland, Jesse S., San Francisco, Calif. Radio wave switch. 1,679,192; July 31.
- Wheelbarger, Albert S. (See Ohmer, J. F., and Wheelbarger.)
- Wheelbarger, Albert S., assignor to Ohmer Fare Register Company, Dayton, Ohio. Paper-take-up mechanism. 1,688,444; Oct. 23.
- Wheeler, Arthur S., New York, N. Y., assignor, by mesne assignments, to Varityper, Incorporated. Escapement mechanism for typewriters. 1,656,460; Jan. 17.
- Wheeler, Bradley P., jr., Buffalo, N. Y. Core for hollow-wall construction. 1,665,573; Apr. 10.
- Wheeler, C. H., Manufacturing Company. (See Kothny, Gottfrank L., assignor.)
- Wheeler, Clarence E., and E. W. Goodlett, Allston, Mass. Auxiliary seat back. 1,673,433; June 12.
- Wheeler Condenser & Engineering Company. (See Heaton, Herman C., assignor.)
- Wheeler, Cottrell C., Forest Hills, N. Y. Liquid-fuel burner. 1,691,690; Nov. 13.
- Wheeler, Earl A., assignor to Standard Road Maintenance Company, Los Angeles, Calif. Road-working machine. 1,690,263; Nov. 6.

- Wheeler, Edmund B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Battery. 1,658,315; Feb. 7.
- Wheeler, Edmund B., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated conductor. 1,687,912; Oct. 16.
- Wheeler, Edmund B., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated wire. 1,689,311; Oct. 30.
- Wheeler, Edmund B., Midland Park, and J. C. Wright, Millburn, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Storage of dry cells and batteries. 1,680,656; Aug. 14.
- Wheeler, Geoffrey, London, England. Coloring the image on photographic plates, films, or the like. 1,693,500; Nov. 27.
- Wheeler, George E., assignor to The Burlington Separator Co., Burlington, Iowa. Churn. 1,695,404; Dec. 18.
- Wheeler, Harry J., Kansas City, Mo. Fuse plug. 1,678,412; July 24.
- Wheeler, Howard L., Nashua, N. H. Sash-actuating crank. 1,659,506; Feb. 14.
- Wheeler, Jacob, Johnsonburg, Pa. Bookholder. 1,674,582; June 19.
- Wheeler, John A., jr., West Medford, and R. F. Whitney, assignors to Whitney Machine Company, Winchester, Mass. Hide and leather working machine. 1,658,506; Feb. 7.
- Wheeler, John E., Dunedin, New Zealand. Manufacture of corner angles of roof gutters. 1,657,425; Jan. 24.
- Wheeler, John M. (See Speer, Harry P., assignor.)
- Wheeler, Lawrence N., Monrovia, Calif. Exhaust-gas water heater. 1,683,747; Sept. 11.
- Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Fuel-mixture forming and feeding system. 1,654,622; Jan. 3.
- Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Depth gauge for automobile fuel tanks. 1,658,067; Feb. 7.
- Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Fuel-feeding device for internal-combustion engines. 1,690,565; Nov. 6.
- Wheeler, Maude A. M. (See Mings, Maude A.)
- Wheeler, Robert C., assignor to Superior Engineering Company Limited, Toronto, Ontario, Canada. Fuel-oil-burning apparatus. 1,667,404; Apr. 24.
- Wheeler, Wellington B., El Segundo, Calif. Semirigid airship. 1,684,425; Sept. 18.
- Wheeler, William, Brooklyn, N. Y. Internal-combustion engine. 1,688,218; Oct. 16.
- Wheeler, William A. (See Dwyer, C. A., and Wheeler.)
- Wheeler, William H., assignor, by mesne assignments, to Fedco Number Plate Corporation, New York, N. Y. Identification device and producing same. 1,655,483; Jan. 10.
- Wheeler, William H., Glen Ridge, N. J., assignor, by mesne assignments, to Fedco Number Plate Corporation, New York, N. Y. Manufacturing automobile identification devices. 1,655,484; Jan. 10.
- Wheeler, William H., assignor to Fedco Number Plate Corporation, New York, N. Y. Identification device and making same. 1,656,928; Jan. 24.
- Wheeler, William H., San Diego, Calif. Speedometer mounting for vehicles. 1,692,601; Nov. 20.
- Wheeler, William I., Scottville, Ill. One-way brake. 1,656,577; Jan. 17.
- Wheeler, William I., Scottville, Ill. Making plowshares. 1,680,830; Aug. 14.
- Wheeler, William I., Scottville, Ill. Clutch mechanism. 1,695,355; Dec. 18.
- Wheeler, William I., Scottville, Ill. Transmission mechanism. 1,695,356; Dec. 18.
- Wheeler, William W., Jacksonville, Fla. Apparatus for treating vegetation. 1,669,435; May 15.
- Wheeling Engineering & Manufacturing Company. (See Williams, Stephen L., assignor.)
- Wheeling Stamping Company. (See Davis, Walter T., assignor.)
- Wheeling Stamping Company. (See Edwards, A. L., and McGinnis, assignors.)
- Wheeling Steel Corporation. (See Hazeltine, Benjamin P., assignor.)
- Wheeling Steel Corporation. (See Kielberg, Henry, assignor.)
- Wheeling Steel Corporation. (See Paff, George A., assignor.)
- Wheeling Steel Corporation. (See Rollason, Charles H., assignor.)
- Wheelock, Arthur C., Oakland, Calif. Adjustable pivot mounting for bed-supporting panels. 1,655,485; Jan. 10.
- Wheelock, Edward E. (See Faubert, H. W., and Wheelock.)
- Wheelock, Ernest O., Rockford, Ill. Micrometer gauge. 1,656,927; Jan. 24.
- Wheelock, Ernest O., Rockford, Ill. Snap gauge. 1,664,583; Apr. 3.
- Wheelwright, Thomas S., Richmond, Va. Making hollow steel bars. 1,668,705; May 8.
- Wheldon, William M., assignor to E. H. Angier, Framingham, Mass. Reinforcing the edges of strip material. 1,692,236; Nov. 20.
- Whelan, Howard J., Baltimore, Md. Oyster-opening machine. 1,683,113; Sept. 4.
- Whelan, James F., Philadelphia, Pa. Portable electric lamp. Des. 74,848; Apr. 3.
- Wheldon, George H. (See Hentschell, C. J. V., and Wheldon.)
- Whinnen, Eugene, Long Beach, Calif., assignor to Sullivan Machinery Company. Drilling apparatus. 1,690,469; Nov. 6.
- Whipple, Arden D., Oakland, Calif. Valve cap. 1,678,837; July 31.
- Whipple, Leland B., Rochester, N. Y. Cutter head for woodworking machines. 1,663,894; Mar. 27.
- Whipps, George W., Hopkins, Minn. Heater. 1,667,997; May 1.
- Whirdry Corporation. (See Dunham, George W., assignor.)
- Whisenant, John W., Los Gatos, Calif. Illuminated sign. 1,678,755; July 31.
- Whisk Razor Corporation, The. (See Aron, William P., assignor.)
- Whisk Razor Corporation, The. (See Gahagan, H. I., and Aron, assignors.)
- Whisler, Chauncey P., Kenmore, assignor to The Rubber Products Company, Barberton, Ohio. 1,675,395; July 3.
- Whisler, John, Ottumwa, Iowa. Saw-setting tool. 1,659,419; Feb. 14.
- Whistler, David B., Dayton, Ohio. Window or the like. 1,659,507; Feb. 14.
- Whistler, David B., Dayton, Ohio. Window. 1,663,870; Mar. 27.
- Whistler, David B., Dayton, Ohio. Window and the like. 1,672,359; June 5.
- Whitacre-Greer Fireproofing Company, The. (See Bornsenberger, Emil E., assignor.)
- Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Dynamo-electric machine. 1,684,253; Sept. 11.
- Whitaker, Joseph P. (See Fielding, John, assignor.)
- Whitaker, Uncas A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 1,681,563; Aug. 21.
- Whitaker, William D., Elkins Park, Pa. Mop. 1,676,880; July 10.
- Whitaker, William T., Alkins Park, Pa. Holder for mops. 1,677,741; July 17.
- Whitaker, William T., Greenville, S. C. Harness strap. 1,678,544; July 24.
- Whitaker, William T., assignor of sixty-six and two-thirds per cent to F. M. Burnett and thirty-three and one-third per cent to T. A. Baugh and F. M. Burnett, Greenville, S. C. Picker-stick check. 1,660,245; Feb. 21.
- Whitby, George S., Montreal, Quebec, Canada, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Substituted thiumar polysulphides and making the same. 1,681,717; Aug. 21.
- Whitcomb, Alonzo W., Worcester, Mass. Rotary compressor. 1,667,615; Apr. 24.
- Whitcomb, Harris M., Albany, Wis. Attachment for lathes. 1,691,320; Nov. 13.
- Whitcomb, Hiram B., Camden, N. J. Wind-direction indicator. 1,670,488; May 22.
- Whitcomb, Louie E. (See Rice, G. L., and Whitcomb.)
- Whitcomb, Louis K., jr., and N. Vanderkief, Chicago, Ill. Hydraulic gate. 1,682,206; Aug. 28.
- Whitcomb, William H. (See Chandler, Daniel L., assignor.)
- White, Alfred E., Pasadena, Calif. Radio equipment. 1,683,748; Sept. 11.
- White, Alfred H., Ann Arbor, Mich. Neutralizing the alkalinity of water. 1,693,065; Nov. 27.
- White, Alfred H., Ann Arbor, Mich. Purifying the water used for steam-boiler purposes. 1,693,066; Nov. 27.
- White, Alfred H., Ann Arbor, Mich. Making fuel gas. 1,689,940; Oct. 30.
- White, Alfred N., Los Angeles, Calif. Automatic braking device for automobiles. 1,687,913; Oct. 16.
- White, Alvah C. (See Finch, Paul R., assignor.)
- White, Arthur, Sheboygan Falls, Wis. Wheeled toy. 1,658,068; Feb. 7.
- White, Beverly, assignor of one-half to C. M. Bender, Chicago, Ill. Towel holder. 1,663,107; Mar. 20.
- White, Birdora H., Detroit, Mich. Buckel. 1,670,395; May 22.
- White Brass Castings Co. (See De Cardy, Fred, assignor.)
- White, Charles C., Chicago, Ill. Disappearing bed. 1,662,594; Mar. 13.
- White, Charles D., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Loud-speaker cabinet. Des. 74,205; Jan. 3.
- White, Charles D., Norwich, Conn. Thread guard and spinning-ring holder. 1,660,462; Feb. 28.
- White, Charles E., assignor to Deere & Company, Moline, Ill. Covering wheel for planters. 1,681,023; Aug. 14.
- White, Charles F., Detroit, Mich. Sandpaper holder. 1,691,418; Nov. 13.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Extension rim for the drive wheels of planters, etc. 1,660,461; Feb. 28.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,670,393; May 22.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,670,394; May 22.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Trash cleaner. 1,680,031; Aug. 7.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Tandem-disk harrow. 1,685,110; Sept. 25.

- White, Charles H., assignor to Deere & Company, Moline, Ill. Scraper. 1,685,385; Sept. 25.
- White, Charles L., St. Louis, Mo. Signaling device for automobiles. 1,675,203; June 26.
- White, Christena R., Asheville, N. C. Hair-waving device. 1,670,427; May 22.
- White, Clarence B., Montclair, assignor to Vivatex Processes, Inc., Lodi, N. J. Mineral dyeing. 1,686,540; Oct. 9.
- White, Clarence J., Peoria, assignor, by mesne assignments, to Heinz Floral Rack Co., Chicago, Ill. Floral rack. 1,689,988; Oct. 30.
- White, Clarence W., North Bennington, Vt. Juvenile vehicle. 1,655,174; Jan. 3.
- White, Clarence W., North Bennington, Vt. Vehicle holster. 1,656,461; Jan. 17.
- White, Clarence W., North Bennington, Vt. Vehicular wheel. 1,669,223; May 8.
- White, Clyde L., assignor to The Willys-Overland Company, Toledo, Ohio. Control mechanism. 1,654,848; Jan. 3.
- White, David, Company. (See Rothweiler, Charles O., assignor.)
- White, D'Orsay M., assignor to Motor Industries, Inc., Chicago, Ill. Drive wheel and hub. 1,657,054; Jan. 24.
- White, D'Orsay M., assignor to Motor Industries, Inc., Chicago, Ill. Driving wheel. 1,657,329; Jan. 24.
- White, D'Orsay M., assignor to Motor Industries, Inc., Chicago, Ill. Pressed wheel. 1,660,660; Feb. 28.
- White, Edward A., Lewiston, Idaho. Sizing apparatus. 1,668,665; May 8.
- White, Edward A., Lewiston, Idaho. Fruit-cleaning apparatus. 1,676,306; July 10.
- White, Edward A., Lewiston, Idaho. Motion storage apparatus. 1,684,853; Sept. 18.
- White, Edward A., Lewiston, Idaho. Sizing apparatus. 1,685,207; Sept. 25.
- White, Edward A., Lewiston, Idaho. Fruit-drying machine and method. 1,691,874; Nov. 13.
- White, Edward A., Lewiston, Idaho. Fruit-cleaning mechanism. 1,694,675; Dec. 11.
- White, Edwin C., Baltimore, Md. Organic compound of mercury and producing same. 1,692,237; Nov. 20.
- White, Edwin H., New York, N. Y. Method and construction for storing motor vehicles. 1,683,937; Sept. 11.
- White, Edwin L. (See Taylor, A. H., and White.)
- White, Ernest C., assignor to Electric Outlet Company, Inc., New York, N. Y. Electrical connecting and supporting device. 1,655,929; Jan. 10.
- White, Ernest C., New York, N. Y., assignor of one-half to R. F. Fisher, Philadelphia, Pa. Electric-lighting fixture. 1,685,620; Sept. 25.
- White, Everett H., St. Paul, Minn. Thermostat. 1,689,542; Oct. 30.
- White, Francis. (See White, Harry and F., and Munsell.)
- White, Francis, et al. (See White, Harry and F., and Munsell, assignors.)
- White, Frank C., Meriden, Conn., assignor, by mesne assignments, to Simplex Player Action Company Incorporated, New York, N. Y. Player piano. 1,682,651; Aug. 28.
- White, Frank C., Meriden, Conn., assignor, by mesne assignments, to Simplex Player Action Company, Incorporated, New York, N. Y. Adjustable player attachment for pianos. 1,682,877; Sept. 4.
- White, Fred C., assignor to Dorado Club Beverage Co., Los Angeles, Calif. Combined bottle display and statuette. Des. 76,593; Oct. 9.
- White, Fred H., Toledo, Ohio. Indicator device. 1,694,048; Dec. 4.
- White Fuel Oil Engineering Corporation. (See McDonald, James, assignor.)
- White, George A., Jackson, Mich. Signaling device. Des. 74,584; Feb. 28.
- White, George A., Jackson, Mich. Signaling device. Des. 74,585; Feb. 28.
- White, George A., and W. Sparks, assignors to The Sparks-Withington Company, Jackson, Mich. Signaling device. 1,691,321; Nov. 13.
- White, Harold E., Anniston, assignor to Federal Abrasives Company, Birmingham, Ala. Production of silicon carbide and calcium carbide. 1,660,144; Feb. 21.
- White, Harold E., Anniston, assignor to Federal Abrasives Company, Birmingham, Ala. Electric furnace for producing silicon carbide. 1,684,611; Sept. 18.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,675,396; July 3.
- White, Harold E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Magnetic thermal relay. 1,675,680; July 3.
- White, Harry, et al. (See White, Harry and F., and Munsell, assignors.)
- White, Harry and F., and T. S. Munsell, assignors to F. White and H. White, Akron, Ohio. Well screen. 1,656,550; Jan. 17.
- White, Harry B., Canton, Ohio, assignor to The Hoover Company. Suction cleaner. 1,671,562; May 29.
- White, Hedley B. (See Hockley, H. R., and White.)
- White, Henry, jr., Buffalo, N. Y. Antirattler for doors and windows. 1,695,872; Dec. 18.
- White, Henry, jr., Buffalo, N. Y. Holder for windshield wipers. 1,687,412; Oct. 9.
- White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Floor and ceiling construction. 1,669,111; May 8.
- White, Herbert E., assignor to The Truscon Steel Company, Youngstown, Ohio. Fastening means for metal-roof decking. 1,681,830; Aug. 21.
- White, Howard L., New York, N. Y. Brush. 1,671,334; May 29.
- White, Ira C., Brownsville, Ark. Poultry roost. 1,665,290; Apr. 10.
- White, Isaac D., assignor of one-half to C. M. Zink, Clinton, Ind. Traffic signal. 1,656,687; Jan. 17.
- White, J. J., Manufacturing Company. (See White, Joseph J., assignor.)
- White, Jacob B., Columbus, Ohio. Bedspring brace. 1,688,257; Oct. 16.
- White, James C., assignor of one-half to W. S. White and one-half to M. T. White, Sewickley, Pa. Doll head. 1,662,691; Mar. 13.
- White, James F. (See Dawson, A. T., Buckham, and White.)
- White, James S., Chicago, Ill. Golf bag. 1,676,592; July 10.
- White, Jesse M., Philadelphia, Pa. Wire-stripping machine. 1,666,277; Apr. 17.
- White, Jesse M., Philadelphia, Pa. Battery connector. 1,677,312; July 17.
- White, John. (See Wall, Arthur W., assignor.)
- White, John, Edinburgh, Scotland. Driving mechanism for paper and other machines. 1,683,374; Sept. 4.
- White, John A. (See Russell, R. C., White, and Hayden.)
- White, John F., Chicago, Ill. Animal-racing appliance. 1,654,672; Jan. 3.
- White, John F., assignor to White Products Company, Chicago, Ill. Sealing cap for automobile radiators. 1,662,909; Mar. 20.
- White, John F., assignor to White Products Company, Chicago, Ill. Automobile radiator cap. 1,662,910; Mar. 20.
- White, John F., assignor to White Products Company, Chicago, Ill. Radiator cap. 1,662,911; Mar. 20.
- White, John F., assignor to White Products Company, Chicago, Ill. Automobile radiator cap. 1,665,004; Apr. 3.
- White, John F., assignor to White Products Company, Chicago, Ill. Theft-preventing device. 1,678,174; July 24.
- White, John F., assignor to White Products Company, Chicago, Ill. Waterproof sheet structure. 1,694,523; Dec. 11.
- White, John H., Cranford, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Permanent magnet and making the same. 1,675,872; July 3.
- White, John S. (See Russell, R. R., and White.)
- White, John W., Detroit, Mich. Axle and bearing therefor. 1,684,652; Sept. 18.
- White, John W., Buffalo, N. Y. Wheel. 1,686,479; Oct. 2.
- White, John W., Buffalo, N. Y. Fuel pump. 1,696,825; Dec. 25.
- White, Joseph A., assignor to The Moore & White Company, Philadelphia, Pa. Rotary screen. 1,668,579; May 8.
- White, Joseph H., assignor of one-half to H. H. Harbin, Florence, S. C. Combined bumper and safety appliance. 1,664,654; Apr. 3.
- White, Joseph J., assignor to J. J. White Manufacturing Company, Providence, R. I. Ring or similar article of manufacture. Des. 74,904; Apr. 10.
- White, Joseph J., assignor to J. J. White Manufacturing Company, Providence, R. I. Ring or similar article of manufacture. Des. 74,905; Apr. 10.
- White, Joseph J., assignor to J. J. White Manufacturing Company, Providence, R. I. Ring or similar article of manufacture. Des. 74,906; Apr. 10.
- White, Joseph J., assignor to J. J. White Manufacturing Company, Providence, R. I. Ring or similar article of manufacture. Des. 74,907; Apr. 10.
- White, Joseph J., assignor to J. J. White Manufacturing Company, Providence, R. I. Ring or similar article of manufacture. Des. 74,908; Apr. 10.
- White, Joseph J., assignor to J. J. White Manufacturing Company, Providence, R. I. Ring or similar article of manufacture. Des. 74,909; Apr. 10.
- White, Joseph V., Chicago, Ill. Machine for making book covers. 1,691,691; Nov. 13.
- White, L. Q., Shoe Company. (See White, Loring Q., assignor.)
- White, Loring Q., Palm Beach, Fla., assignor to L. Q. White Shoe Company, Bridgewater, Mass. Insole. 1,662,624; Mar. 13.
- White, Louis A., Brooklyn, N. Y. Indicating mechanism. 1,696,512; Dec. 25.
- White Luggage Co. Inc. (See Walinsky, Ossip J., assignor.)
- White, Mary T., et al. (See White, James C., assignor.)
- White, Morris, Inc. (See Walinsky, Ossip J., assignor.)
- White Motor Company. (See Church, Harold D., assignor.)
- White Motor Company, The. (See Churcher, William B., assignor.)
- White Motor Company, The. (See Foulitz, W. T., and Wood, assignors.)
- White Motor Company, The. (See Goode, Gilbert C., assignor.)
- White Motor Company, The. (See Howell, James W., assignor.)

- White Motor Company, The. (See Jehle, Ferdinand, assignor.)
- White Motor Company, The. (See Kinney, L. W., and Bierman, assignors.)
- White Motor Company, The. (See Schron, Christy, assignor.)
- White Motor Company, The. (See Smith, George W., jr., assignor.)
- White, Muerk E., High Point, assignor of one-half to G. W. Fleming, Clinton, N. C. Cushion. 1,680,963; Aug. 14.
- White, Ole M., Clear Lake, Wis. Stone-hauling device. 1,691,597; Nov. 13.
- White, Paul H., Indianapolis, Ind. Cotton picker. 1,684,981; Sept. 18.
- White, Phillip A., Long Island City, N. Y. Securing means for demountable rims. 1,686,778; Oct. 9.
- White Pine Sash Company. (See Edmond, Oscar G., assignor.)
- White Products Company. (See White, John F., assignor.)
- White, Raymond E., assignor to Winslow Safety High Pressure Boiler Co., Chicago, Ill. Pressure-governed circuit controller. 1,667,914; May 1.
- White, Raymond E., assignor to Steam Vehicle Corporation of America, Newton, Mass. Water-level indicator. 1,681,452; Aug. 21.
- White, Raymond E., assignor to Tubal Boiler Company, Chicago, Ill. Liquid-fuel burner and control mechanism therefor. 1,684,079; Sept. 11.
- White, Raymond E., assignor to Tubal Boiler Company, Chicago, Ill. Boiler construction. 1,685,888; Sept. 25.
- White, Raymond R., assignor to White Showers, Inc., Detroit, Mich. Bearing support. 1,657,732; Jan. 31.
- White, Richard P., Chicago, Ill. Bail ear. 1,665,828; Apr. 10.
- White, Richard P., Chicago, Ill. Bail ear for vessels. 1,665,829; Apr. 10.
- White, Rollin H., Cleveland Heights, Ohio. Lubricating system. 1,693,214; Nov. 27.
- White, Rollin H., Cleveland Heights, Ohio. Propelling means for crawling tractors. 1,693,215; Nov. 27.
- White, Roy A. (See Hamilton, G. H., and White.)
- White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
- White, S. S., Dental Manufacturing Company, The. (See Eberly, Norman E., assignor.)
- White, S. S., Dental Manufacturing Company, The. (See Hollowell, Clifton C., assignor.)
- White, S. S., Dental Manufacturing Company, The. (See Hawksworth, Frank G., assignor.)
- White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Auxiliary transmission. 1,676,758; July 10.
- White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Transmission gear. 1,689,180; Oct. 23.
- White, Samuel O., and R. S. Plexico, assignors to Warner Gear Company, Muncie, Ind. Automobile brake. 1,663,785; Mar. 27.
- White Sewing Machine Corporation. (See Hillix, Foster F., assignor.)
- White Sewing Machine Corporation. (See Stevens, Clarence E., assignor.)
- White, Showers, Inc. (See Nelson, Bert J., assignor.)
- White Showers, Inc. (See White, Raymond R., assignor.)
- White, Starley, Stuttgart, Ark. Well seal. 1,682,543; Aug. 28.
- White, Stephen M. (See Tinker, Herbert R., assignor.)
- White, Thomas D., assignor to R. J. Graham, Belleville, Ontario, Canada. Hydraulic jack. 1,667,759; May 1.
- White, Thomas K., Huron, S. Dak. Rolling winch. 1,670,428; May 22.
- White, Thomas U., Pittsburgh, and J. E. Gardner, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Supervisory control system. 1,695,908; Dec. 18.
- White, Tilman, Jersey City, N. J., assignor to Permax Corporation of America. Automatic valve control. 1,660,306; Feb. 21.
- White, Walter C., Pittsburgh, Pa. Fluid-conveying apparatus. 1,680,831; Aug. 14.
- White, Warren, B., North Abington, Mass. Making tackless McKay shoes. 1,669,961; May 15.
- White, William, Plainville, Mass. Portable driving stand. 1,671,801; May 29.
- White, William C., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,675,585; July 3.
- White, William C., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,675,586; July 3.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Bar chair. 1,659,795; Feb. 21.
- White, William E., Chicago, Ill. Bar clip. 1,677,066; July 10.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Caging. 1,679,193; July 31.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Road-strip support. 1,688,906; Oct. 23.
- White, William E., assignor to Kalman Steel Company, Chicago, Ill. Support for road strips. 1,688,907; Oct. 23.
- White, William H., Copeland, Kans. Tractor lighting device. 1,665,122; Apr. 3.
- White, William J., assignor of one-half to W. H. Gilbert and one-half to V. G. Foft, San Francisco, Calif. Razor-blade holder. 1,683,853; Sept. 11.
- White, William K., Cleveland, Ohio. Receptacle. 1,689,217; Oct. 30.
- White, William M., Milwaukee, Wis. Centrifugal pump. 1,655,830; Jan. 10.
- White, William M., Milwaukee, Wis. Diffuser for hydraulic machines. 1,655,829; Jan. 10.
- White, William M., Milwaukee, Wis. Guide vane. 1,685,260; Sept. 25.
- White, William M., Milwaukee, Wis. Hydraulic rotor. 1,670,558; May 22.
- White, William M., Milwaukee, Wis. Hydraulic turbine. 1,685,261; Sept. 25.
- White, William W., assignor to Standard Fibre Company, Kennett Square, Pa. Tool box for automobiles. 1,684,002; Sept. 11.
- White, Winifred S., et al. (See White, James C., assignor.)
- White and Wyckoff Manufacturing Company. (See Toepfert, Henry J., assignor.)
- White & Wyckoff Manufacturing Company. (See Toepfert, H. J., and Prentice, assignors.)
- Whited, Burns L., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working machine. 1,677,159; July 17.
- Whited, Edmund W., and C. R. Hodges, Pittsburgh, Pa. Toy. 1,671,755; May 29.
- Whiteford, Grover C., Cleveland, Ohio. Door-lock striker plate. 1,660,825; Feb. 28.
- Whitehead, Arthur S. (See Wright, W. J., and Whitehead.)
- Whitehead Brothers Company. (See Hanley, Henry B., assignor.)
- Whitehead & Hoag Company, The. (See Arnold, Frank J., assignor.)
- Whitehead & Kales. (See Greenwald, H. A., and Howe, assignors.)
- Whitehead & Kales Company. (See Spousta, John, assignor.)
- Whitehead and Kales Company Incorporated. (See Warner, James T., assignor.)
- Whitehead and Kales, Inc. (See Rainsford, Thomas F., assignor.)
- Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 75,086; May 1.
- Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 75,816; July 17.
- Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 76,335; Sept. 11.
- Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 77,342; Dec. 25.
- Whitehead, Richard H., assignor to The New Haven Clock Co., New Haven, Conn. Clock case. Des. 77,343; Dec. 25.
- Whitehead, T. C. (See Heideman, Fred J., assignor.)
- Whitehead, Thomas C. (See Greenwald, Harold A., assignor.)
- Whitehead, Thomas C. (See Heideman, Fred J., assignor.)
- Whitehead, Thomas C. (See Rainsford, Thomas F., assignor.)
- Whitehead, Thomas C. (See Rainsford, T. F., and Whitehead.)
- Whitehead, Thomas C., Detroit, Mich. Cooling system for refrigerating apparatus. 1,660,184; Feb. 21.
- Whitehead, Thomas C., Detroit, Mich. Shoe-blackening stand. 1,662,288; Mar. 13.
- Whitehead, Thomas C., Detroit, Mich. Expansion valve. 1,662,289; Mar. 13.
- Whitehead, Thomas C., Detroit, Mich. Lubricating system. 1,672,360; June 5.
- Whitehead, Thomas C., Detroit, Mich. Electrical mercury control for refrigeration pumps. 1,678,661; July 31.
- Whitehead, Thomas C., and F. J. Heideman, Detroit, Mich.; said Heideman assignor to said Whitehead. Pump-valve assembly. 1,659,343; Feb. 14.
- Whitehead, Thomas C., Detroit, Mich. Brine tank. 1,685,794; Oct. 2.
- Whitehead, Thomas C., Detroit, Mich. Oil extractor. 1,693,738; Dec. 4.
- Whitehorn, Homer A., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuit. 1,672,968; June 12.
- Whitehouse, John N., New York, N. Y. Method of and apparatus for making celluloid tubes. 1,661,451; Mar. 6.
- Whitehouse, John N., assignor to Markon Mfg. Co., Inc., New York, N. Y. Sleeping doll. 1,663,324; Mar. 20.
- Whitehouse, John R. (See Mix, E. S., and Whitehouse.)
- Whitehouse, John T., assignor to The Van Dorn Iron Works, Co., Cleveland, Ohio. Jail-door-locking mechanism. 1,658,148; Feb. 7.
- Whitehouse, John T., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail-door-locking mechanism. 1,665,243; Apr. 10.
- Whitehurst, F. W., et al. (See Sherrod, Robert L., assignor.)
- Whitehurst Printing & Binding Company. (See Zepf, William G., assignor.)
- Whiteley, George H., jr., York, Pa., assignor to The Dentists' Supply Company. Molding artificial teeth. 1,680,312; Aug. 14.

- Whiteley, James, North Tonawanda, N. Y. Amusement apparatus. 1,668,620; May 8.
- Whiteley, Robert H., Oak Park, Ill., assignor to himself as trustee. Lubricating device. 1,695,750; Dec. 18.
- Whitelock, James W., and J. W. Case, La Habra, Calif. Adjustable bearing. 1,681,204; Aug. 21.
- Whiteman, Owen E. (See Owen, L. R., and Whiteman.)
- Whitener, Ernest K., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Snubbing device. 1,669,920; May 15.
- Whitescarver, Charles T., and G. Bendixen, New York, N. Y. Spreader tie for concrete wall forms. 1,665,649; Apr. 10.
- Whiteside, Howard A., Rye, N. Y. Shaving brush and soap outfit. 1,686,055; Oct. 2.
- Whiteside, Robert B., Los Angeles, Calif. Container. Des. 75,087; May 1.
- Whiteside, Sidney B., New York, N. Y. Ice-cream dipper. 1,675,776; July 3.
- Whitesides, Walter L., Long Beach, Calif. Toilet-paper holder. 1,662,140; Mar. 13.
- Whitesitt, Edgar C., San Bernardino, Calif., assignor to Stickney Expansion Drill & Manufacturing Company, Coeur d'Alene, Idaho. Drill bit. 1,664,235; Mar. 27.
- Whitin Machine Works. (See Crockett, Frank L., assignor.)
- Whitin Machine Works. (See Magrath, George H., assignor.)
- Whitin Machine Works. (See Owen, Henry A., assignor.)
- Whitin Machine Works. (See Schimek, Joseph F., assignor.)
- Whiting, Charles A., Franklin, Mass., assignor to Whiting & Davis Company. Producing ornamental mesh fabric. 1,678,966; July 31.
- Whiting & Cook, Inc. (See O'Connor, James J., jr., assignor.)
- Whiting Corporation. (See Coffey, Oscar L., assignor.)
- Whiting Corporation. (See Schumann, Otto R., assignor.)
- Whiting & Davis Company. (See Lynds, Fred H., assignor.)
- Whiting & Davis Company. (See Soderstrom, Oscar, assignor.)
- Whiting & Davis Company. (See Whiting, Charles A., assignor.)
- Whiting, Donald F., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-current transmission. 1,672,995; June 12.
- Whiting, Donald F., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system. 1,673,031; June 12.
- Whiting, Donald F., and J. Blanchard, assignors to Western Electric Company, Incorporated, New York, N. Y. Testing electron tubes. 1,668,748; May 8.
- Whiting, Donald F., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling circuits of different impedance characteristics. 1,691,098; Nov. 13.
- Whiting, Frank M., & Company. (See Malinowski, Harry A., assignor.)
- Whiting, George E., Brooklyn, N. Y. Condenser attachment. 1,659,755; Feb. 21.
- Whiting-Patterson Co. (See Labram, Alfred, assignor.)
- Whiting-Patterson Company. (See Pitts, William B., assignor.)
- Whiting-Patterson Co. (See Wagner, Louis, assignor.)
- Whiting, Phineas S., Royal Oak, Mich. Tool container for tire carriers. 1,694,634; Dec. 11.
- Whiting, William G., Vancouver, British Columbia, Canada. Mold. 1,692,913; Nov. 27.
- Whitley, Clarence A., Keno, Oreg. Can punch and seal. 1,670,701; May 22.
- Whitley, James B., Hemet, Calif. Locking cap for fuel tanks. 1,687,601; Oct. 16.
- Whitley, John H., Stantonburg, N. C. Cotton-seed conveyor. 1,689,706; Oct. 30.
- Whitley, William P., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Athletic guard. 1,688,676; Oct. 23.
- Whitling, Oliver C. (See Wells, L. F., and Whitling.)
- Whitlock Coil Pipe Company, The. (See Jacobs, George T., assignor.)
- Whitlock, Ralph G., Los Angeles, Calif. Printing press. 1,666,188; Apr. 17.
- Whitlow, Jidy W., Comanche, Okla. Incubator. 1,662,139; Mar. 13.
- Whitlow, Walter G., Roanoke, Va. Circuit breaker. 1,681,756; Aug. 21.
- Whitman, Floyd E. (See Graf, G. B., and Whitman.)
- Whitman, Harold C., Bedford, N. Y. Blanket. 1,677,260; July 17.
- Whitman, John F., Brooklyn, N. Y. Combined swimming pool and amphitheater. 1,657,598; Jan. 31.
- Whitman, Philip L., Halifax, Nova Scotia, Canada. Dial attachment for clocks. 1,676,000; July 3.
- Whitman, Stephen F., & Son, Inc. (See Greenwood, George W., assignor.)
- Whitmore, Horace G., Chicago, Ill. Awning. 1,681,757; Aug. 21.
- Whitmore, James B., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Machine for manufacturing stems for tipliss lamps. 1,695,834; Dec. 18.
- Whitmore, Max C., assignor to The Standard Register Company, Dayton, Ohio. Filing cabinet. 1,669,886; May 15.
- Whitmore, Wilbur W., Denver, Colo. Electric traffic signal. 1,677,942; July 24.
- Whitmore, William B., Orange, N. J. Sound reproducer. 1,672,796; June 5.
- Whitnall, Jesse B., assignor to Northern Conveyor & Mfg. Co., Milwaukee, Wis. Combined shaker screen and conveyor. 1,661,781; Mar. 6.
- Whitney, Anton, Radisson, Wis. Metal crosstie for railroad use. 1,687,049; Oct. 9.
- Whitney, Carl E., et al., executors. (See Schweinert, Maximilian C.)
- Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)
- Whitney, Eddy R., Philadelphia, Pa., assignor, by mesne assignments, to Walker Vehicle Company, Chicago, Ill. Chassis for motor vehicles. 1,692,603; Nov. 20.
- Whitney, F. A., Carriage Company. (See Shaw, Harold F., assignor.)
- Whitney, F. A., Company. (See Shaw, Harold F., assignor.)
- Whitney, Fred A., Leominster, Mass. Toilet-paper holder. 1,683,641; Sept. 11.
- Whitney, Frederick S., New York, N. Y. Smoking pipe. 1,659,287; Feb. 14.
- Whitney, Gilbert C., New York, N. Y. Train-indication system. 1,693,739; Dec. 4.
- Whitney, George W., New York, N. Y. Cigarette case. 1,666,520; Apr. 17.
- Whitney, Harry L., and R. E. Wyant, Toledo, Ohio. Beehive inspection and elevating apparatus. 1,658,957; Feb. 14.
- Whitney, Horace E., assignor to Dover Stamping & Manufacturing Company, Cambridge, Mass. Pail. 1,677,222; July 17.
- Whitney, Loren L. (See Hedgecock, W. C., and Whitney.)
- Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forging fulcrums. 1,656,929; Jan. 24.
- Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forging brake-beam fulcrums. 1,656,930; Jan. 24.
- Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Forming turnbuckles. 1,689,218; Oct. 30.
- Whitney, Lyman F., Boston, and W. E. Whitney, Newton, assignors, by mesne assignments, to Rajet Company, Boston, Mass. Impregnated material and treating the same. 1,682,652; Aug. 28.
- Whitney Machine Company. (See Wheeler, J. A., jr., and Whitney, assignors.)
- Whitney Metal Tool Company. (See Jensen, John, assignor.)
- Whitney Mfg. Company, The. (See Belcher, Warren J., assignor.)
- Whitney Mfg. Company, The. (See Chapman, John C., assignor.)
- Whitney Mfg. Co., The. (See Dow, Richard F., assignor.)
- Whitney Mfg. Co., The. (See Sturtevant, Harold E., assignor.)
- Whitney, Ralph H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Roll for paper-making machines and making same. 1,660,538; Feb. 28.
- Whitney, Robert F. (See Wheeler, J. A., jr., and Whitney.)
- Whitney, Wiley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,665,338; Apr. 10.
- Whitney, William E. (See Whitney, L. F. and W. E.)
- Whitney, Willis R., Niskayuna, N. Y., assignor to General Electric Company. Composite metal article. 1,685,657; Sept. 25.
- Whitridge, John C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler shank and yoke connection. 1,684,209; Sept. 11.
- Whitsel, Robert L., South Chicago, Ill. Cigar and cigarette holder. 1,685,182; Sept. 25.
- Whitsett, Cameron A., Chicago, assignor, by mesne assignments, to The Clymer Manufacturing Company, Rockford, Ill. Spotlight. 1,657,141; Jan. 24.
- Whitson, John, New York, N. Y. Cabinet for sound-reproducing mechanism. Des. 76,651; Oct. 16.
- Whitt, Frances C., et al. (See Cox, Cary S., assignor.)
- Whittaker, Arthur, Windsor, Ontario, Canada. Wall-type electric heater. 1,688,168; Oct. 16.
- Whittaker, Croymen M., Cheadle Hulme, assignor to Courtaulds Limited, London, England. Manufacture and production of artificial silk. 1,670,919; May 22.
- Whittall, M. J., Associates, Ltd. (See Grosvenor, J. E., and Picking, assignors.)
- Whittall, M. J., Associates. (See Bauer, Marius A., assignor.)
- Whittemore, Herbert A., Newcastle, Calif. Fruit-car brace. 1,694,026; Dec. 4.
- Whitten, Frank A. (See Hawkes, A. G., and Whitten.)
- Whitten, Frank A. (See Walker, H., and Whitten.)
- Whitten, Frank A., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Valve-operating mechanism. 1,685,582; Sept. 25.
- Whitten, Frank A., Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich. Frame construction. 1,690,351; Nov. 6.
- Whitten, Herbert W. (See Glaser, J. P., Julien, and Whitten.)

- Whittier, Elmer S., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for melting paraffin. 1,696,826; Dec. 25.
- Whittier, Harry L., Grand Rapids, assignor, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Refrigerator water-cooling coil. 1,672,837; June 5.
- Whittier, Walter H., Grand Rapids, assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerator. 1,688,908; Oct. 23.
- Whittier, Walter H., Grand Rapids, Mich., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerator. 1,688,909; Oct. 23.
- Whittier, Walter H., and H. C. Leonard, Grand Rapids, assignors, by mesne assignments, to Electric Refrigeration Corporation, Detroit, Mich. Flue construction for refrigerators. 1,672,836; June 5.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Resistance unit. 1,662,771; Mar. 13.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Electrically-operated thermostat. 1,678,872; July 24.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Rheostat. 1,687,357; Oct. 9.
- Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Switch mechanism. 1,692,604; Nov. 20.
- Whittingham, Allen R., Detroit, Mich. Door buffer. 1,694,297; Dec. 4.
- Whittlesey, John E., Cleveland, Ohio. Mast and pulley structure. 1,657,187; Jan. 24.
- Whittlesey, John E., Cleveland, Ohio. Airship. 1,671,802; May 29.
- Whoolery, Donald A. (See Jones, C. E., and Whoolery.)
- Whorff, Frederick E., Mill Valley, assignor of one-fourth to W. R. Whorff, San Francisco, Calif. Dehydrating device. 1,686,500; Oct. 2.
- Whorff, William R. (See Whorff, Frederick E., assignor.)
- Whyms, Lee (See Ries, H. C., and Whyms.)
- Whyte, James C. (See Sloate, A. C., and Whyte.)
- Whyte, Thomas G., Lynn, Mass., assignor to General Electric Company. Constant-current transformer. 1,672,669; June 5.
- Wiard, John B., Lynn, assignor to H. C. Dodge, Incorporated, South Boston, Mass. Dynamo-electric machine. 1,679,457; Aug. 7.
- Wiard, Roy R., et al. (See Voss, George C., assignor.)
- Wiberg, Oscar A., Finspong, Sweden. Turbine. 1,669,797; May 15.
- Wiberg, Oscar A., Finspong, Sweden. Radial-flow turbine. 1,695,751; Dec. 18.
- Wiberg, Peter E., East Orange, assignor to Art Wire and Stamping Company, Newark, N. J. Lingerie clasp. 1,664,716; Apr. 3.
- Wiberg, Peter E., East Orange, assignor to Art Wire and stamping Company, Newark, N. J. Wire feeding and cutting machine. 1,664,717; Apr. 3.
- Wible, Lloyd M., Chicago, Ill. Baseball game. 1,672,478; June 5.
- Wicaco Screw & Machine Works, Inc. (See Lawser, Charles W., assignor.)
- Wichert, Alfred, Mannheim-Neustheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Pneumatic control apparatus. 1,677,575; July 17.
- Wichert, Alfred, Mannheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electrical coupling. 1,687,074; Oct. 9.
- Wichert, Alfred, Mannheim-Neustheim, Germany, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Connection for electrical conductors. 1,693,359; Nov. 27.
- Wichtendahl, Rudolf, Hanover, Germany. Variable chain drive. 1,662,037; Mar. 6.
- Wicke, A. C., Manufacturing Company. (See Morrow, John J., assignor.)
- Wicke, Carl, New York, N. Y. Radio aerial support. 1,691,864; Nov. 13.
- Wickelund, Johann, Blumenthal, Germany. Railway signal. 1,658,316; Feb. 7.
- Wickenden, Leonard. (See Okell, S. A. W., and Wickenden.)
- Wickenden, Leonard, Flushing, assignor to J. J. Naugle, Brooklyn, N. Y. Invertase preparation and preparing and utilizing the same. 1,689,607; Oct. 30.
- Wickenden, Thomas H. (See Merica, P. D., and Wickenden.)
- Wickers, Barney C., Lebanon, Ind. Shoehorn. 1,690,516; Nov. 6.
- Wickes Brothers. (See Floeter, Frederick S., assignor.) Company, Kansas City, Mo. Multioffice telephone system. 1,689,543; Oct. 30.
- Wickham, Oliver. (See Newman, B., and Wickham.)
- Wickland, Algot A., Chicago, Ill. Pulverized-fuel mixer. 1,680,964; Aug. 14.
- Wickner, Axel, Chicago, Ill. Chuck for hand tools. 1,664,236; Mar. 27.
- Wicks, John, assignor to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,664,011; Mar. 27.
- Wicks, John, assignor, by mesne assignments, to Automatic Electric Inc., Oak Park, Ill. Telephone system. 1,665,489; Apr. 10.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,667,405; Apr. 24.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Measured-service telephone system. 1,667,915; May 1.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Measured-service telephone system. 1,673,131; June 12.
- Wicks, John, Oak Park, Ill., assignor to Reserve Holding Company, Kansas City, Mo. Switching mechanism. 1,674,421; June 19.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Connector-switch circuits. 1,675,312; June 26.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,676,469; July 10.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Toll-service trunking system. 1,677,876; July 17.
- Wicks, John, Oak Park, assignor by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,681,913; Aug. 21.
- Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,682,100; Aug. 28.
- Wickstrom, Charles A., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel. 1,672,969; June 12.
- Wickwire Spencer Steel Company. (See Johnston, George M., assignor.)
- Wico Electric Company. (See Brown, P., and Hendrickson, assignors.)
- Wico Electric Company. (See Louis, Terrence G., assignor.)
- Widden, Evan R. (See Maloney, Stephen F., assignor.)
- Widdows, Anna M., Akron, Ohio. Hair-cutting comb. 1,662,373; Mar. 13.
- Widdows, Anna M., Akron, Ohio. Hair-bobbing comb. 1,671,094; May 22.
- Widerstand Aktiengesellschaft für Elektro-Wärme-Technik. (See Penzold, Wilhelm, assignor.)
- Widescope Camera Company. (See McInnis, Walter J., assignor.)
- Widman, Frank J., Oak Park, Ill. Tool. 1,663,225; Mar. 20.
- Widmann, Eugene A., Brooklyn, N. Y., and F. D. Lewis, West Orange, N. J., assignors, by mesne assignments, to Pathe Phonograph & Radio Corporation. Radio receiving apparatus. 1,679,194; July 31.
- Widmann, Eugene A., Brooklyn, N. Y., and F. D. Lewis, West Orange, N. J., assignors, by mesne assignments, to Pathe Phonograph & Radio Corporation. Radio attachment for talking machines. 1,684,933; Sept. 18.
- Widmer Compressor Inc. (See Thomas, Joseph R., assignor.)
- Widmer, Emil, Zurich, Switzerland. Cell-packing system for expedition and conservation of eggs. 1,673,961; June 19.
- Widmer, Gustav. (See Gams, A., and Widmer.)
- Widmer, Harry A., assignor of one-half to A. Lewis (Finsbury) Limited, London, England. Fastener. 1,667,644; Apr. 24.
- Widmer, Howard G., Brooklyn, assignor to Arkell Safety Bag Company, New York, N. Y. Process and mechanism for producing stretchable paper. 1,676,759; July 10.
- Widmyer, Robert G., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Signal device. 1,679,011; July 31.
- Widuch, Adam, assignor of one-sixth to W. Silwa and one-sixth to S. Hayduk, Michigan City, Ind. Automatic railway gate. 1,668,440; May 1.
- Wiebe, Sigurd J., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Underfeed stoker. 1,691,949; Nov. 20.
- Wieberg, Joseph. (See Luettkemeyer, J. A., and Wieberg.)
- Wiebler, George, Fort Madison, Iowa, H. B. Wiebler, Chicago, Ill., and W. T. Wiebler, Davenport, Iowa, assignors of fifty-five per cent to B. M. Cheney, Chicago, Ill. Rail support. 1,687,275; Oct. 9.
- Wiebler, Harry B. (See Wiebler, George, H. B., and W. T.)
- Wiebler, Walter T. (See Wiebler, George, H. B., and W. T.)
- Wiedeke, Gustav, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube and flue expander. 1,680,922; Aug. 14.
- Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)
- Wiedemaier, Arthur A., et al. (See Staples, Charles F., assignor.)
- Wiederhold, Oscar, Philadelphia, Pa. Light for shaving and the like. 1,680,076; Aug. 7.
- Wiederhold, Oscar, Philadelphia, Pa. Radiant for heaters and the like. 1,683,375; Sept. 4.
- Wiedmaier, Arthur A., assignor of one-half to L. M. Field, Cleveland, Ohio. Variable-speed-transmission mechanism. 1,687,075; Oct. 9.
- Wiedman, George P., North Tonawanda, N. Y. Automobile body construction. 1,671,457; May 29.
- Wiedmer, Jakob. (See Trachsel, F., Wiedmer, and Zigerli.)
- Wiegand, Albert P. (See Wiegand, Edwin L., and A. P.)
- Wiegand, Edwin L., Dormont Borough, Pa. Heavy-duty electric heater. 1,678,838; July 31.

- Wiegand, Edwin L., Dormont Borough, and A. P. Wiegand, Crafton, assignors to E. L. Wiegand Company, Pittsburgh, Pa. Producing electrical heating elements. 1,669,385; May 8.
- Wiegand, Edwin L., Company. (See Wiegand, Edwin L. and A. P., assignors.)
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Potential-control apparatus. 1,672,290; June 5.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Resistance control apparatus. 1,678,028; July 24.
- Wiegand, Henry J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Resistance-control device. 1,678,892; July 31.
- Wiegand, Henry J., Milwaukee, and H. N. Packard, Wauwatosa, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controllable resistance device. 1,680,189; Aug. 7.
- Wiegand, Hugo, Thuringia, Germany. Eye carrier and eyelid for dolls' eyes. 1,670,999; May 22.
- Wiegand, William, Cedar Bluffs, Nebr. Seed-corn butt and tipper. 1,658,958; Feb. 14.
- Wiegel, Albert, Cassel, Germany. Sleeve holder. 1,692,527; Nov. 20.
- Wiegert, Rudolf H., Magdeburg, Germany. Gas-tight sealing of shafts. 1,681,075; Aug. 14.
- Wieghardt, Paul, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Platen printing press. 1,663,363; Mar. 20.
- Wieghardt, Paul, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Lead-cable press. 1,689,572; Oct. 30.
- Wieghardt, Paul, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Vertical lead-cable press. 1,689,573; Oct. 30.
- Wiegner, Simon P., C. W. Davidson, and H. R. Gordon, Los Angeles, Calif. Signal switch for vehicles. 1,683,852; Sept. 11.
- Wiekert, Heye, jr., Emden, Ill. Card game. 1,658,751; Feb. 7.
- Wiel, Eli H., assignor to Buckingham & Hecht, San Francisco, Calif. Shoe or boot. 1,665,763; Apr. 10.
- Wielage, Marcus F., Miami, Fla. Soldering device. 1,662,945; Mar. 20.
- Wieland, Max, Berlin-Tempelhof, Germany. Manufacture of bichromate-glue printing plates for hand printing or press deep printing. 1,692,528; Nov. 20.
- Wiener, Lawrence F., Burlington, Wis. Milk strainer. 1,695,306; Dec. 18.
- Wieneke, Richard F. (See Smith, W. R., and Wieneke.)
- Wiener, Elizabeth, New York, N. Y. Whisk-broom holder. Des. 77,344; Dec. 25.
- Wiener, Max L., Newark, N. J. Bus-body sill. 1,675,074; June 26.
- Wier, Harry A., Dallas, Tex. Vapor tower. 1,664,237; Mar. 27.
- Wier, Stuart A., Dallas, Tex. Steam-cleaning method and apparatus. Re17,021; July 3.
- Wiersma, Henry P., Zeeland, Mich. Artificial bait. 1,670,174; May 15.
- Wiese, Ernest P., Lincoln, Nebr. Clevis. 1,675,681; July 3.
- Wiese, L. F. (See Holst, John C., assignor.)
- Wiese, Otto C., Newton, Mass. Corset. 1,685,510; Sept. 4.
- Wiesenfeld, Hattie M., executrix. (See Wiesenfeld, Joseph.)
- Wiesenfeld, Joseph, deceased, Baltimore, Md.; H. M. Wiesenfeld, executrix. Saddle girth. 1,678,373; July 24.
- Wiesenthal, Maximilian. (See Schäfer, Richard, assignor.)
- Wiesman, Jerome, Denver, Colo. Apparatus for cleaning oil wells. 1,658,697; Feb. 7.
- Wietzel, Gustav, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of pure carbon monoxide. 1,695,130; Dec. 11.
- Wietzel, Gustav, and F. Stoenewer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of dry gases. 1,682,588; Aug. 28.
- Wiggert, John F., Lead, S. Dak. Automatic electric control device. 1,659,582; Feb. 21.
- Wiggin, John D., Montclair, and M. M. Remmes, Belleville, assignors to H. B. Wiggin's Sons Company, Bloomfield, N. J. Composition of matter and mold made therefrom and method of casting pottery in the mold. 1,690,708; Nov. 6.
- Wiggin, Polly, Inc. (See Davis, S., and La Fon, assignors.)
- Wiggins, Edward J., assignor, by mesne assignments, to Electrical Research Laboratories, Inc., Chicago, Ill. Condenser. 1,666,922; Apr. 24.
- Wiggin's H. B., Sons Company. (See Wiggin, J. D., and Remmes, assignors.)
- Wiggins, John H., Bartlesville, Okla. Liquid-storage tank. 1,660,021; Feb. 21.
- Wiggins, John H., Bartlesville, Okla. Floating deck for liquid-storage tanks. 1,662,225; Mar. 13.
- Wiggins, John H., Bartlesville, Okla. Liquid-storage tank. 1,668,792; May 8.
- Wiggins, John H., Bartlesville, Okla. Meter. 1,669,315; May 8.
- Wiggins, John H., Bartlesville, Okla. Gas holder. 1,683,005; Sept. 4.
- Wiggins, John H., Chicago, Ill. Adjustable swing pipe for liquid-storage tanks. 1,668,793; May 8.
- Wigginton, George P., Kalamazoo, Mich., assignor to Office Equipment Patents Corporation, New York, N. Y. Sheet or card holder. 1,661,519; Mar. 6.
- Wigginton, George P., Kalamazoo, Mich., assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Binder. 1,686,780; Oct. 9.
- Wigglesworth, Harry H. (See Allsop, T., and Wigglesworth.)
- Wigglesworth, Harry H. (See Sibson, W. W., and Wigglesworth.)
- Wigglesworth, Harry H., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,690,439; Nov. 6.
- Wight, Samuel A., and E. H. McFarland, Detroit, Mich. Window construction. 1,658,317; Feb. 7.
- Wight, Thomas, Kansas City, Mo. Coping seal. 1,681,758; Aug. 21.
- Wightman & Hough Company. (See Hough, Herbert D., assignor.)
- Wightman, Merle J., West New Brighton, assignor to Domestic Stoker Company, New York, N. Y. Stoker. 1,691,619; Nov. 13.
- Wignall, Harry. (See Payman, J. B., and Wignall.)
- Wihlfahrt, Julius E., New York, N. Y. Apparatus for making dough. 1,669,962; May 15.
- Wikander, Oscar R. (See Bell, F. B., and Wikander.)
- Wike, George F., Milwaukee, Wis. Tire-building machine. 1,667,135; Apr. 24.
- Wike, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,659,583; Feb. 21.
- Wike, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Web-guiding mechanism. 1,680,190; Aug. 7.
- Wike, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Device for inserting bags. 1,689,845; Oct. 30.
- Wike, George F., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire-building machine. 1,693,419; Nov. 27.
- Wikoff, Thomas S., Plainfield, N. J. Universal joint. 1,670,175; May 15.
- Wikstrom, Frank G., assignor to Hadwik Mfg. Co. Inc., Brooklyn, N. Y. Closure. 1,690,804; Nov. 6.
- Wilber, Carl L., assignor to Jefferson Forge Products Company, Detroit, Mich. Apparatus for forming wheels. 1,685,513; Sept. 25.
- Wilberg, Henry A., Valley City, N. Dak. Seed planter and packer. 1,695,165; Dec. 11.
- Wilbur, Samuel P., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Engine regulator. 1,673,855; June 19.
- Wilbur, Samuel P., Toledo, Ohio, assignor, by mesne assignments, to U S L Battery Corporation. Hydrometer device. 1,696,618; Dec. 25.
- Wilcolator Company, The. (See Fonseca, Edward L., assignor.)
- Wilcolator Company, The. (See Twombly, Willard I., assignor.)
- Wilcox, Edgar M., Hammond, Ind. Switch mechanism. 1,671,175; May 29.
- Wilcox, Frederick C., Keene, N. H. Radio phone holder or similar article. Des. 74,528; Feb. 21.
- Wilcox, George, Riverside, Calif., assignor to California Canning Machinery Co. Preheater. 1,664,055; Mar. 27.
- Wilcox, Harry C., assignor to Pressed Steel Tank Company, West Allis, Wis. Barrel, method of and machine for making the same. 1,689,468; Oct. 30.
- Wilcox, Lewis T., Peekskill, N. Y. Stove leg. Des. 76,170; Aug. 21.
- Wilcox, Lewis T., Peekskill, N. Y. Oil stove. 1,657,652; Jan. 31.
- Wilcox, Lewis T., Peekskill, N. Y. Stove. 1,679,556; Aug. 7.
- Wilcox, Lewis T., assignor to Wilcox Patents Corporation, Peekskill, N. Y. Oven. 1,668,749; May 8.
- Wilcox, Lewis T., assignor to Wilcox Patents Corporation, Peekskill, N. Y. Range. 1,679,555; Aug. 7.
- Wilcox, Martin J., Portland, Oreg. Tire patch. 1,655,001; Jan. 3.
- Wilcox Patents Corporation. (See Wilcox, Lewis T., assignor.)
- Wilcox Products Corporation. (See McDonald, Charles B., assignor.)
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making commutator segments and the like. 1,690,917; Nov. 6.
- Wilcox-Rich Corporation. (See Rich, George R., assignor.)
- Wilcox, Roy F., & Co., et al. (See Bewley, Claude G., assignor.)
- Wilcox, William A., assignor to Band-Bound Box Company, Seattle, Wash. Box and manufacture thereof. 1,671,622; May 29.
- Wild, Charles H., Baltimore, Md., assignor to Burt Machine Company, Incorporated. Carton-closing machine. 1,654,566; Jan. 3.

- Wild, Charles H., Baltimore, Md., assignor to Burt Machine Company, Incorporated. Can-labeling-machine pick-up cement heater. 1,675,397; July 3.
- Wild, Henry W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip-stick container. 1,695,625; Dec. 18.
- Wild, Wilhelm. (See Gaus, W., and Wild.)
- Wild, Wilhelm, and C. Beck, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Production of alkali-metal nitrates. 1,674,077; June 19.
- Wild, William, H. P. Wessels, and E. B. Enochsen, Johannesburg, Transvaal, South Africa; said Wild assignor to said Wessels and Enochsen. Water heater. 1,671,001; May 22.
- Wilde, Albert. (See Dunkel, R., and Wilde.)
- Wilde, Mifflin H., Martinsburg, W. Va. Pump. 1,667,179; Apr. 24.
- Wilden, Albert, Cologne, Germany. Identity card holder. 1,682,259; Aug. 28.
- Wilder, Joel O., Jr., Berkeley, Calif. Dental impression device. 1,687,914; Oct. 16.
- Wilder, Laurence R., New York, N. Y. Ceramic product and producing the same. 1,680,832; Aug. 14.
- Wilder, Ralph E. (See Madden, J. P., and Wilder.)
- Wilder-Strong Implement Company, The. (See Knapp, Walter H., assignor.)
- Wildern, George R., Detroit, Mich. Valve. 1,693,945; Dec. 4.
- Wildhaber, Ernest. (See Candee, A. H., and Wildhaber.)
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,655,080; Jan. 3.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing hypoid gears. 1,673,540; June 12.
- Wildhaber, Ernest, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 1,676,419; July 10.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,685,441; Sept. 25.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing curved tooth gearing. 1,693,686; Dec. 4.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing gears. 1,693,687; Dec. 4.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Gear. 1,693,740; Dec. 4.
- Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Gear. 1,694,028; Dec. 4.
- Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Forming hobs. 1,659,226; Feb. 14.
- Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 1,667,299; Apr. 24.
- Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Grinding helicoidal surfaces. 1,659,227; Feb. 14.
- Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Forming hobs. 1,669,887; May 15.
- Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 1,676,371; July 10.
- Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Generating bevel gears. 1,686,054; Oct. 2.
- Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Hobbing threads. 1,688,768; Oct. 23.
- Wildhaber, Ernest, Brooklyn, assignor to Gleason Works, Rochester, N. Y. Gearing. 1,694,027; Dec. 4.
- Wildhaber, Ernest, and A. H. Candee, assignors to Gleason Works, Rochester, N. Y. Producing bevel gears. 1,685,442; Sept. 25.
- Wildhaber, Ernest, and J. Gstyr, Rochester, N. Y. Differential mechanism. 1,683,938; Sept. 11.
- Wilding, Sidney W. (See Grainge, H. J., and Wilding.)
- Wildman Mfg. Co. (See Ballard, George L., assignor.)
- Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
- Wildman Mfg. Co. (See Pigeon, Albert M., assignor.)
- Wildman Mfg. Co. (See Richter, Wolfgang D., assignor.)
- Wildrick, Meade, Savannah, Ga., assignor, by mesne assignments, to The Sesame Company, Hartford, Conn. Lock. 1,656,882; Jan. 17.
- Wildt & Company Limited. (See Wildt, E., and Holmes, assignors.)
- Wildt, Edwin. (See Peuckert, Friedrich H., assignor.)
- Wildt, Edwin, and H. H. Holmes, assignor to Wildt & Company Limited, Leicester, England. Knitting machine. 1,670,791; May 22.
- Wilensky, Hermione M., Atlanta, Ga. Pack of cards. Des. 74,462; Feb. 14.
- Wilcs, Everett R., Barnsdall, Okla. Treating petroleum products. 1,684,426; Sept. 18.
- Wiley, Andrew J., Boise, Idaho. Metal base for timber poles. 1,665,995; Apr. 10.
- Wiley, Roy E. (See Mensing, C. E., and Wiley.)
- Wiley, Samuel, Metuchen, N. J. Aeroplane flare or signal. 1,683,939; Sept. 11.
- Wiley, Samuel, Metuchen, N. J. Illuminating aero bomb or flare. 1,683,940; Sept. 11.
- Wiley, Wallace K., Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electric sign. 1,657,705; Jan. 31.
- Wiley, Wallace K., Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Electric sign. 1,673,962; June 19.
- Wiley, William, Galveston, Tex. Tire heater. 1,661,984; Mar. 6.
- Wiley, William R., Mount Clemens, Mich. Built-up piston. 1,665,830; Apr. 10.
- Wiley, William R., Mount Clemens, Mich. Making gland nuts. 1,685,262; Sept. 25.
- Wilford, Maurice, Paris, France, assignor to General Electric Company. Electric motor-control system and apparatus. 1,672,670; June 5.
- Wilford, Charles G. (See Paddock, S. D., and Wilford.)
- Wilford, Charles G., Los Angeles, Calif. Jar or similar container. Des. 74,335; Jan. 24.
- Wilford, Edward B., Merion, Pa., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Dental chair. 1,694,243; Dec. 4.
- Wilford, William F., Fort Benton, Mont. Cable terminal for storage batteries. 1,658,752; Feb. 7.
- Wilgus, John F., Casstown, Ohio. Cultivator. 1,667,367; Apr. 24.
- Wilhelm, Fred C., Minneapolis, Minn. Laundry machine. 1,661,646; Mar. 6.
- Wilhelm, Friedrich. (See Sautermeister, C., and Wilhelm.)
- Wilhelm, Herman, New York, N. Y. Boudoir slipper. Des. 75,757; July 10.
- Wilhelm, Herman, New York, N. Y. Shoe. Des. 77,845; Dec. 25.
- Wilhelm, Howard H., Jefferson City, Mo. Dispensing container. 1,685,183; Sept. 25.
- Wilhelm, John H., Long Island City, assignor to Markon Manufacturing Co. Inc., New York, N. Y. Eye for toy figures. 1,658,471; Feb. 7.
- Wilhelm, John H., Long Island, assignor to Markon Manufacturing Co., Inc., New York, N. Y. Crier. 1,695,675; Dec. 18.
- Wilhelm, Ottmar, assignor to the firm; Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Adjusting the proportion of color to thinning agent in connection with intaglio printing machines. 1,678,091; July 24.
- Wilhelm, Ottmar, assignor to Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany. Intaglio printing machine. 1,681,603; Aug. 21.
- Wilhelm, Robert M. (See Bast, F. J., and Wilhelm.)
- Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device. 1,684,752; Sept. 18.
- Wilhelm, Theodor, Zurich, Switzerland. Stopper for bottles. 1,693,569; Nov. 27.
- Wilhelm, Wilson A., Vernon, Tex. Oil grate and mat. 1,665,123; Apr. 3.
- Wilhelm, Dirk F., Doorwerth, Netherlands, assignor of one-half to Morgan & Wright, Detroit, Mich., and one-half to The B. F. Goodrich Company, New York, N. Y. Vulcanizing the protective cover or tread part on to the carcass of a tire and apparatus therefor. 1,668,032; May 1.
- Wilhelm, Christian. (See Johanson, G. H., and Wilhelm.)
- Wilke, Alfred, assignor of one-fourth to K. H. Wilke, one-fourth to F. R. Wilke, and one-fourth to R. F. T. Wilke, Albany, N. Y. Adjustable gear and cylinder interlock. 1,655,748; Jan. 10.
- Wilke, F. Richard, et al. (See Wilke, Alfred, assignor.)
- Wilke, Karl H., et al. (See Wilke, Alfred, assignor.)
- Wilke, Robert F. T., et al. (See Wilke, Alfred, assignor.)
- Wilkening Manufacturing Co. (See Wuerfel, William, assignor.)
- Wilkes, Clarence H., Gloversville, N. Y. Post-type sewing machine. 1,670,920; May 22.
- Wilkes, Clarence H., and G. E. Calhoun, assignors to A-Kee-Na Products Company, Incorporated, Amsterdam, N. Y. Shears. 1,660,286; Feb. 21.
- Wilkes, Clarence H., and G. E. Calhoun, assignors to A-Kee-Na Products Company, Incorporated, Amsterdam, N. Y. Shears. 1,662,772; Mar. 13.
- Wilkes, Don Q., Pueblo, Colo. Brake-testing device for automobiles. 1,669,584; May 15.
- Wilkes, Frederic, Wilkensburg, Pa. Method of and apparatus for separating oil from water. 1,661,453; Mar. 6.
- Wilkes, Frederick C. D., and F. K. Flynn, assignors to Luce Cane Harvester Corporation, New York, N. Y. Conveyor-chain guide for sugar-cane harvesters. 1,669,272; May 8.
- Wilkes, Frederick C. D., and F. K. Flynn, Watertown, Wis., assignors, by mesne assignments, to Luce Cane Harvester Corporation, New York, N. Y. Separator plow for cane harvesters and the like. 1,688,137; Oct. 16.
- Wilkes, Samuel G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 74,245; Jan. 10.
- Wilkes, Samuel G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Coffeepot or similar article. Des. 74,849; Apr. 3.
- Wilkes, William D., Brooklyn, N. Y., assignor to Paxford Barrel & Crate Corporation. Hoop fastening. 1,655,032; Jan. 3.
- Wilkes, William H., New York, N. Y., assignor to National Advertising Corporation, St. Louis, Mo. Coupon bank deposit book. 1,665,574; Apr. 10.

- Wilkie, Lorne A., Windsor, Ontario, Canada. Flowerpot holder. 1,676,124; July 8.
- Wilkie, Warren, and A. D. Webb, assignors to Parke, Davis & Company, Detroit, Mich. Manufacturing gelatin capsules for use as bottle caps. 1,657,982; Jan. 31.
- Wilking, Alphonse P. M., Belmont, Mass. Internal-combustion engine. 1,662,553; Mar. 13.
- Wilkins, George H., Brockton, assignor to Geo. E. Keith Company, Campello, Mass. Shoe creaser. 1,692,481; Nov. 20.
- Wilkins, William, Oakland, Calif. Sanitary garbage can. 1,678,839; July 31.
- Wilkinson, Arthur W., Easton, Penn. Applying device. 1,655,719; Jan. 10.
- Wilkinson, Eltoft W. (See Chapman, G. A., and Wilkinson.)
- Wilkinson, Eltoft W., Queens Village, assignor to Minerals Separation North American Corporation, New York, N. Y. Treatment of fine coal. 1,667,277; Apr. 24.
- Wilkinson, Francis C. W., Taplow, England, assignor to Crane Packing Company, Chicago, Ill. Packing for use particularly with moving machine or engine parts. 1,669,030; May 8.
- Wilkinson, Gordon O. (See Brown, H. W., and Wilkinson.)
- Wilkinson, Guy C., and P. E. Geldhof, assignors to Syracuse Washing Machine Corporation, Syracuse, N. Y. Ironing machine. 1,669,798; May 15.
- Wilkinson, John J. and M. A., Owego, N. Y. Chair. 1,687,406; Apr. 24.
- Wilkinson, Michael A. (See Wilkinson, John J. and M. A.)
- Wilkinson, Thomas H., Cranford, N. J., assignor to G. H. Frommann, Concord, N. Y. Display device. 1,678,967; July 31.
- Wilkinson, Zeno C., assignor to Youngstown Pressed Steel Co., Warren, Ohio. Stove. 1,691,692; Nov. 13.
- Wilks, Anna, and E. Scheier, New York, N. Y. Container for cosmetics. 1,665,077; Apr. 3.
- Will, Anthony J., and D. A. Feldman, assignors to The August Maag Company of Baltimore, Baltimore, Md. Bake pan. 1,666,363; Apr. 17.
- Will, C. H., Motors Corporation. (See Will, Carl H., assignor.)
- Will, Carl H., assignor to C. H. Will Motors Corporation, Minneapolis, Minn. Antifrosting device for windows. 1,694,676; Dec. 11.
- Will, Carl H., assignor to C. H. Will Motors Corporation, Minneapolis, Minn. Antifrosting device for windows. 1,694,677; Dec. 11.
- Will, Doris G., Fort Wayne, Ind. Sterilizing apparatus. 1,672,592; June 5.
- Will, John G., Canon City, Colo. Steam-boiler construction. 1,686,056; Oct. 2.
- Will, Richard, New York, N. Y. Boiler dust door. 1,674,492; June 19.
- Williamette Iron and Steel Works. (See Eastham, Joseph S., assignor.)
- Williamette Iron and Steel Works. (See Spain, Gail E., assignor.)
- Willans, Peter W., Towcester, England, and A. Stanley, Broomfield, near Chelmsford, England, assignors to Radio Corporation of America. Tuning device for radio receiving sets. 1,679,459; Aug. 7.
- Willard, Alfred R., East Cleveland, assignor to Willard Storage Battery Co., Cleveland, Ohio. Automatic feed mechanism. 1,688,369; Oct. 23.
- Willard, Arthur M., Chicago, Ill. Seal press. 1,658,823; Feb. 14.
- Willard, Clarence G., assignor to The Mine and Smelter Supply Company, Denver, Colo. Mill. 1,690,497; Nov. 6.
- Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Bobbin-cleaning attachment for filling-replenishing looms. 1,657,426; Jan. 24.
- Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Self-contained latching mechanism for intermittent-thread-cutting templates. 1,658,012; Jan. 31.
- Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Latching mechanism for intermittent thread-cutting templates. 1,667,466; Apr. 24.
- Willard, Hobart H., Ann Arbor, and M. Green, assignors to Parker Rust-Proof Company, Detroit, Mich. Rust-proofing material and making the same. 1,660,661; Feb. 28.
- Willard, James A., Greensboro, N. C. Yarn director for knitting machines. 1,675,627; July 3.
- Willard, James C. (See Parent, Raymond C., assignor.)
- Willard Storage Battery Company. (See Codney, Arthur O., assignor.)
- Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
- Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
- Willard Storage Battery Company. (See Nightingale, Robert J., assignor.)
- Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
- Willard Storage Battery Co. (See Willard, Alfred R., assignor.)
- Willard, Theodore A., Cleveland Heights, Ohio. Storage-battery separator and producing the same. 1,671,335; May 29.
- Willard, Theodore A., Cleveland Heights, Ohio. Motor attachment for motion-picture cameras. 1,691,419; Nov. 13.
- Willard, Theodore A., Cleveland, Ohio, and F. S. McCullough, Wilkinsburg, Pa. Rectification of alternating currents. 1,682,000; Aug. 28.
- Willard, Waldo W. (See Hewlett, E. M., and Willard.)
- Willcox, Frederick H., assignor to Freyn Engineering Company, Chicago, Ill. Method and apparatus for the control of combustion. 1,680,833; Aug. 14.
- Willcox, Frederick H., assignor to Freyn Engineering Company, Chicago, Ill. Blast-furnace construction. 1,685,208; Sept. 25.
- Willcox, Frederick H., assignor to Freyn Engineering Company, Chicago, Ill. Steam plant. 1,690,389; Nov. 6.
- Wille, Henry V., Philadelphia, Pa. Welding cast iron. 1,660,246; Feb. 21.
- Willens, George, Chicago, Ill. Advertising device. 1,656,029; Jan. 10.
- Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Gear pump. 1,660,287; Feb. 21.
- Willers, George E., assignor to A. D. Cook, Inc., Lawrenceburg, Ind. Lubricating device for pumps. 1,667,760; May 1.
- Willett, Benedict E., Dayton, Ohio. Foldable table. 1,684,653; Sept. 18.
- Willett, Benedict E., assignor to J. T. Dietz, Dayton, Ohio. Display stand. 1,687,962; Oct. 16.
- Willett, Charles G. (See Nelson, Ralph L., assignor.)
- Willettts, Paul G., Berlin, assignor to Hartford-Empire Company, Hartford, Conn. Composite glass-feeder implement. 1,696,661; Dec. 25.
- Willey, Alonzo, Stockton, Calif. Ground checker. 1,692,879; Nov. 27.
- Willey, Claude S., Detroit, Mich. Sign and mounting the same. 1,687,602; Oct. 16.
- Willey, Frank O., deceased; R. E. Willey, administrator, Indianapolis, Ind. Combination padlock. 1,668,441; May 1.
- Willey, George H., deceased; J. Willey, administratrix, assignor to Willey-Noyes Manufacturing Company, Somerville, Mass. Circuit closer. 1,672,107; June 5.
- Willey, Janet, administratrix. (See Willey, George H.)
- Willey-Noyes Manufacturing Company. (See Willey, George H., assignor.)
- Willey, Rolla E., administrator. (See Willey, Frank O.)
- Willheim, Arpad, Passaic, N. J. Process and apparatus for treating fabrics. 1,682,453; Aug. 28.
- Willhide, Glenn O., Baltimore, Md. Fuel feeder. 1,674,536; June 19.
- Willi, Frederick D., assignor to The Hump Hairpin Manufacturing Company, Chicago, Ill. Hairpin-box machine. 1,682,819; Sept. 4.
- Willi, Frederick D., assignor, by mesne assignments, to S. H. Goldberg, Chicago, Ill. Process and apparatus for nesting partition blanks. 1,682,878; Sept. 4.
- Williams, Albert F. (See Rodgers, E. L., and Williams.)
- Williams, Alfred L., Philadelphia, Pa. Pump, engine, and the like. 1,679,592; Aug. 7.
- Williams, Albert R. (See Allfree, E. H., and Williams.)
- Williams Alloy Products Company. (See Williams, Edward M., assignor.)
- Williams, Andrew J., Havre, Mont. Weed cutter and ballast shaper. 1,671,849; May 29.
- Williams, Arthur, Grand Rapids, assignor, by mesne assignments, to Covell-Hanchett Co., Big Rapids, Mich. Power-transmission mechanism. 1,672,014; June 5.
- Williams, Arthur, Grand Rapids, assignor, by mesne assignments, to Covell-Hanchett Co., Big Rapids, Mich. Sliding clutch. 1,672,015; June 5.
- Williams, Arthur H. T., Portland, Oreg. Container. 1,668,179; May 1.
- Williams, Benjamin. (See Manderson, Oswald G., assignor.)
- Williams, Bessie S. (See Scott, Morse P., assignor.)
- Williams, Bill C. (See Privott, J. H., and Williams.)
- Williams, Carl, San Francisco, Calif. Automobile side bumper. 1,679,195; July 31.
- Williams, Charles, and F. Francois, assignors of one-third to E. Bozonier, Oakland, Calif. Wood-preserving composition. 1,690,390; Nov. 6.
- Williams, Charles E., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 1,664,718; Apr. 3.
- Williams, Charles E., assignor to General Motors Corporation, Detroit, Mich. Thermostatically-controlled choker for carburetors. 1,679,999; Aug. 7.
- Williams, Charles E., assignor to The Lilley Company, Columbus, Ohio. Lodge or fraternal paraphernalia. 1,690,656; Nov. 6.
- Williams, Charles F., Stoneham, Mass. Engraving machine. 1,692,103; Nov. 20.
- Williams, Charles H. (See Green, T. L., and Williams.)
- Williams, Charles L., Utica, N. Y. Pump. 1,663,964; May 27.
- Williams, Chester I., Grand Rapids, Mich. Concrete-form construction or the like. 1,680,923; Aug. 14.
- Williams, Clarence E., assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 1,662,177; Mar. 13.
- Williams, Clarence H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Lock. 1,674,936; June 26.
- Williams, Clarence J., San Francisco, assignor to C. G. Burbank, Oakland, Calif. Hairpin for bobbed hair. 1,681,271; Aug. 21.
- Williams, Clark C., Ascot, near Brisbane, Queensland, Australia. Golf bag. 1,680,354; Aug. 14.

- Williams Company, The. (See Robbins, William H., assignor.)
- Williams, D. T., Valve Company, The. (See Ernst, Harry J., assignor.)
- Williams, David A. (See Roemer, H. A., and Williams.)
- Williams, Dayton L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Breaker applying device. 1,665,831; Apr. 10.
- Williams, Dayton L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Marking device. 1,691,748; Nov. 13.
- Williams, Dick B., assignor to J. W. Leslie, trustee, Chicago, Ill. Shelling device for cracked nuts. 1,672,443; June 5.
- Williams, E. J., et al. (See Shaffer, William D., assignor.)
- Williams, E. R. (See Fry, Byron G., assignor.)
- Williams, Earl, Los Angeles, Calif. Slide trombone. 1,661,147; Feb. 28.
- Williams, Edward, assignor to Williams Welding & Manufacturing Company, Charleroi, Pa. Furnace door. 1,690,606; Nov. 6.
- Williams, Edward B., assignor of one-half to T. L. Ramey, Cornelia, Ga. Hanger or singletree. 1,655,301; Jan. 3.
- Williams, Edward M., Elyria, Ohio. Piston. 1,686,357; Oct. 2.
- Williams, Edward M., assignor to Williams Alloy Products Company, Elyria, Ohio. Making piston rings. 1,695,787; Dec. 18.
- Williams, Edward R., assignor to Vulcan Mold and Iron Company, Latrobe, Pa. Ingot mold. 1,672,479; June 5.
- Williams, Edward T., Shoemakersville, Pa. Brake-testing device. 1,657,812; Jan. 31.
- Williams, Elmo H., Pearl Harbor, Hawaii. Device for improving stance in connection with the game of golf. 1,677,261; July 17.
- Williams, Ernest. (See Searing, H. R., and Williams.)
- Williams, Ernest A., Cincinnati, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat-fitting machine. 1,662,259; Mar. 13.
- Williams, Ernest P. (See Webb, W. E., and Williams.)
- Williams Foundry & Machine Company, The. (See Williams, Herbert L., assignor.)
- Williams, Frank E., Kansas City, Mo. Sole-cementing machine. 1,680,924; Aug. 14.
- Williams, Frank E., assignor to Polar Electric Refrigerator Corporation, St. Louis, Mo. Refrigerating apparatus. 1,661,452; Mar. 6.
- Williams, Frank E., assignor to Polar Electric Refrigerator Corporation, St. Louis, Mo. Refrigerating apparatus. 1,662,353; Mar. 13.
- Williams, Frederick L., Denver, Colo. Machine for electrical resistance welding of sheet-metal pipe. 1,689,374; Oct. 30.
- Williams, Frederick L., and G. F. Kraft, Kansas City, Mo. Slot machine. 1,679,458; Aug. 7.
- Williams, G. H., Company. (See Buoy, Chester D., assignor.)
- Williams, G. H., Company. (See Harrington, Edward L., assignor.)
- Williams, George A., and R. E. Hill, assignors to Williams Sealing Corporation, Decatur, Ill. Capping machine. 1,691,875; Nov. 13.
- Williams, George K., Port Pirie, South Australia, Australia. Apparatus for use in refining of lead bullion and similar operations. 1,687,187; Oct. 9.
- Williams, George K., Port Pirie, South Australia, Australia. Refining of lead bullion containing other metals. 1,687,188; Oct. 9.
- Williams, George T., Akron, Ohio. Washer-applying device. 1,672,593; June 5.
- Williams, Harold E., Carthage, Mo. Awning for vehicles. 1,681,831; Aug. 21.
- Williams, Harold I. (See Roth, Joseph, assignor.)
- Williams, Harold W., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. Re16,947; May 1.
- Williams, Harold W., East Pittsburgh, and D. G. Boozer, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control apparatus. 1,693,631; Dec. 4.
- Williams, Harrison R., Chicago, Ill. Paper-making machine. 1,695,873; Dec. 18.
- Williams, Harry, Detroit, Mich. Lock. 1,666,078; Apr. 17.
- Williams, Harry M., Dayton, Ohio. Heat-resisting alloy. 1,690,352; Nov. 6.
- Williams, Harry M., assignor to General Motors Research Corporation, Dayton, Ohio. Bearing composition. 1,661,245; Mar. 6.
- Williams, Harry M., assignor to General Motors Research Corporation, Dayton, Ohio. Coating molds and product thereof. 1,662,854; Mar. 13.
- Williams, Harry R. (See Williams, Robert W. and H. R., and Elliott.)
- Williams, Harvey D., Wallingford, Conn., assignor to Security Trust Company, Detroit, Mich. Machine for cutting gear teeth. 1,656,506; Jan. 17.
- Williams, Henry B. (See Ladd, J. W., Williams, and Jordan.)
- Williams, Henry B., assignor to John W. Ladd Co., Detroit, Mich. Bottle-washing machine. 1,678,796; July 31.
- Williams, Henry B., assignor to John W. Ladd Co., Detroit, Mich. Bottle cooler. 1,693,995; Dec. 4.
- Williams, Herbert H. (See Murray, T. E., jr., and Williams.)
- Williams, Herbert H., assignor to T. E. Murray, Brooklyn, N. Y. Manufacturing spoke articles. 1,674,537; June 19.
- Williams, Herbert H., assignor to T. E. Murray, Brooklyn, N. Y. Production of axle housings. 1,689,989; Oct. 30.
- Williams, Herbert H., assignor to T. E. Murray, Brooklyn, N. Y. Making hubs. 1,693,067; Nov. 27.
- Williams, Herbert L., assignor to The Williams Foundry & Machine Company, Akron, Ohio. Vulcanizer head. 1,688,570; Oct. 23.
- Williams, Howard E., Round Lake, assignor to Biltrite Collar Company, New York, N. Y. Fold collar. 1,671,563; May 29.
- Williams, Hugh G., Granville, N. Y. Method of and apparatus for automatically splitting or cleaving slate blocks. 1,654,770; Jan. 3.
- Williams, Inez, Washington, D. C. Buffet or breakfast car. 1,689,900; Oct. 30.
- Williams, Isaac N., Foltz, Ind. Nail holder. 1,688,445; Oct. 23.
- Williams, Israel, Lima, Ohio. Airship. 1,688,769; Oct. 23.
- Williams, J. H., Company. (See Spencer, Philip L., assignor.)
- Williams, James C., assignor to Dalton Hosiery Mills, Dalton, Ga. Seamless hosiery. 1,669,591; May 15.
- Williams, James E., Denver, Colo. Whiffletree. 1,665,244; Apr. 10.
- Williams, James E., Spring City, Pa. Shoe. 1,687,915; Oct. 16.
- Williams, James M., Sanford, Fla. Automatic folding crossing gate. 1,694,298; Dec. 4.
- Williams, James T., Hillside, N. J. Envelope and assembly thereof. 1,675,289; June 26.
- Williams, Jessie E., Perry, Okla. Basket cart. 1,665,151; Apr. 3.
- Williams, John A., and E. Lequornik, Richmond Hill, N. Y. Electric heater. 1,691,749; Nov. 13.
- Williams, John D., Niles, Ohio. Machine for piling sheets, plates, and the like. 1,688,219; Oct. 16.
- Williams, John D., Niles, Ohio. Roll polisher. 1,689,656; Oct. 30.
- Williams, John D., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Electrical and instrument cord. 1,688,605; Oct. 23.
- Williams, John F. (See Osburn, Robert A., assignor.)
- Williams, John F., assignor of one-third to C. J. Roberts and one-fifteenth to L. C. Jackson, Buffalo, N. Y. Process to determine the alcohol and the color in alcoholic liquids. 1,689,901; Oct. 30.
- Williams, John F., assignor of one-third to C. J. Roberts and one-fifteenth to L. C. Jackson, Buffalo, N. Y. Formula for test reagents to determine the alcohol and the color in alcoholic liquids. 1,689,902; Oct. 30.
- Williams, John H., Westwood, Calif. Knife. Des. 74,850; Apr. 3.
- Williams, John H., Westwood, Calif. Knife. Des. 75,197; May 15.
- Williams, John H., Toronto, Ontario, Canada. Electric cooking and heating apparatus. 1,664,584; Apr. 3.
- Williams, John J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Closure cap for glass containers. 1,668,180; May 1.
- Williams, John and J. Philadelphia, Pa. Piston rings and making same. 1,689,608; Oct. 30.
- Williams, John P., Bayside, assignor to Duplex Electric Company, New York, N. Y. Air-vent means for vaults. 1,666,673; Apr. 17.
- Williams, John S., Brisbane, Queensland, Australia. Adjustable fastener for hinged structures. 1,680,965; Aug. 14.
- Williams, John S. and S. P., Brisbane, Queensland, Australia. Casement-window fastener and the like. 1,673,611; June 12.
- Williams, John W., Buffalo, N. Y. Muffler. 1,682,316; Aug. 28.
- Williams, Joseph A., and A. G. Karkau, assignors to The K-W Ignition Corporation, Cleveland, Ohio. Ignition apparatus. 1,683,376; Sept. 4.
- Williams, Judson. (See Williams, John and J.)
- Williams, Kl. (See Monroe, K. P., and Williams.)
- Williams, Leonard P., Newark, N. J. Anchor. 1,666,805; Apr. 17.
- Williams, Lewis W., East Orange, N. J., assignor, by mesne assignments, to Central Union Trust Company of New York, trustee. Filter. 1,671,958; May 29.
- Williams, Liebeskind, Philadelphia, Pa. Composition of matter. 1,662,625; Mar. 13.
- Williams, Lloyd M. and P. J., San Francisco, Calif. Accelerator pedal. Des. 74,206; Jan. 3.
- Williams, Louis, Seattle, Wash. Wall radiator. 1,662,993; Mar. 20.
- Williams, Louis N. D., Ogontz, Pa., assignor to Scott & Williams, Incorporated, New York, N. Y. Mechanism for uniting knitted webs. 1,685,795; Oct. 2.
- Williams, Martin L., South Bend, Ind. Vertical grinding machine. 1,659,228; Feb. 14.
- Williams, Martin L., South Bend, Ind. Grinding machine. 1,674,673; June 26.
- Williams, Martin L., Mishawaka, Ind. Grinding machine. 1,674,672; June 26.

- Williams, Mulford M., assignor to A. N. Prentice, Oakland, Calif. Animated-display device. 1,696,827; Dec. 25.
- Williams, Myrl J., Chicago, Ill., assignor to The Washburn Company, Worcester, Mass. Support. 1,676,372; July 10.
- Williams, Noble W., assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet. Des. 74,463; Feb. 14.
- Williams, Noble W., assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet. Des. 75,758; July 10.
- Williams, Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)
- Williams, Ormsby P., sr., South Gate, Calif. Ventilating foot covering. 1,660,698; Feb. 28.
- Williams, Oscar. (See Cooke, M. W., and Williams.)
- Williams, Owen Manufacturing Company. (See Williams, Robert W. and H. R., and Elliott, assignors.)
- Williams, Paul F., and J. Rah, assignors to G. & W. Electric Specialty Company, Chicago, Ill. Switch mechanism. 1,656,407; Jan. 17.
- Williams, Percy J. (See Williams, Lloyd M. and P. J.)
- Williams, Percy Q., Cincinnati, Ohio. Leer conveyor mechanism. 1,660,463; Feb. 28.
- Williams, Percy Q., assignor to The Owens Bottle Company, Toledo, Ohio. Glassware-annealing leer. 1,695,788; Dec. 18.
- Williams, Perl E., et al. (See Smyser, Elmer D., assignor.)
- Williams, Peter E., and H. D. Akins, Walla Walla, Wash. Clear-vision device. 1,672,635; June 5.
- Williams, Ralph, Richmond, Victoria, Australia. Centrifugally molding concrete and other pipes. 1,670,013; May 15.
- Williams, Ralph T., assignor to Roth Brothers & Co., Chicago, Ill. Exit-lighting system. Re16,917; Mar. 27.
- Williams, Ralph T., assignor to Roth Brothers & Co., Chicago, Ill. Exit-lighting system. 1,677,696; July 17.
- Williams, Reaf F., St. Louis, Mo. Glare shield. 1,660,981; Feb. 28.
- Williams, Robert L. (See Dorsey, H. G., and Williams.)
- Williams, Robert L., Newton, assignor to Submarine Signal Corporation, Boston, Mass. Submarine sound reception. 1,671,262; May 29.
- Williams, Robert L., Newton, assignor to Submarine Signal Corporation, Boston, Mass. Method and apparatus for measuring distance. 1,677,943; July 24.
- Williams, Robert L., Newton, assignor to Submarine Signal Corporation, Boston, Mass. Method and apparatus for distance and direction measurement. 1,677,944; July 24.
- Williams, Robert L., Newton, assignor to Submarine Signal Corporation, Boston, Mass. Method and apparatus for sound transmission. 1,677,945; July 24.
- Williams, Robert L., Newton, Mass., assignor to Submarine Signal Company, Portland, Me. Magnetophone. 1,681,963; Aug. 28.
- Williams, Robert L., Newton, assignor to Submarine Signal Corporation, Boston, Mass. Method and apparatus for sound producing. 1,689,574; Oct. 30.
- Williams, Robert R., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated conductor. 1,685,386; Sept. 25.
- Williams, Robert R., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating conductor. 1,689,312; Oct. 30.
- Williams, Robert T., Los Angeles, Calif. Variable condenser. 1,678,840; July 31.
- Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Thermostatic regulator. 1,671,915; May 29.
- Williams, Robert T., assignor to H. M. Sheer Company, Quincy, Ill. Stove head. 1,671,916; May 29.
- Williams, Robert W. and H. R., Brooklyn, and I. Elliott, New York, N. Y., assignors to Williams Oven Manufacturing Company, Owen. 1,664,443; Apr. 3.
- Williams, Roger, assignor to Lazote Inc., Wilmington, Del. Producing hydrogen. 1,673,032; June 12.
- Williams, Rowland T. D., Hobart, and S. W. Ross, Cambridge, near Hobart, Tasmania, assignors to Electrolytic Zinc Company of Australia Limited, Melbourne, Australia. Recovery of zinc from ores. 1,672,016; June 5.
- Williams, Ruskin, Woodstock, N. Y. Bench. Des. 74,851; Apr. 3.
- Williams, Samuel A., Waukegan, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Smoke jack. 1,664,473; Apr. 3.
- Williams, Samuel B. Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. 1,672,970; June 12.
- Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 1,681,510; Aug. 21.
- Williams, Samuel E., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 1,696,261; Dec. 25.
- Williams Sealing Corporation. (See Barroll, Henry E., assignor.)
- Williams Sealing Corporation. (See Hill, Roland E., assignor.)
- Williams Sealing Corporation. (See Williams, G. A., and Hill, assignors.)
- Williams, Sidney P. (See Williams, John S. S. P.)
- Williams, Stephen L., Martins Ferry, Ohio, assignor to Wheeling Engineering & Manufacturing Company, Wheeling, W. Va. Apparatus for die-casting valve stems. 1,670,559; May 22.
- Williams, Theron H., Chicago, Ill. Shock absorber. 1,681,205; Aug. 21.
- Williams, Theron H., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,679,460; Aug. 7.
- Williams, Thomas F., Keyport, assignor to I. M. Upperco, Deal, N. J. Oil burner. 1,689,064; Oct. 23.
- Williams Tool Corporation. (See Hall, Leslie S., assignor.)
- Williams, Walter C., Wilkes-Barre, Pa. Ventilator. 1,672,291; June 5.
- Williams, Walter J., Woodhaven, N. Y. Cardcase. 1,656,615; Jan. 17.
- Williams, Walter J., Woodhaven, N. Y. Automatic film developing, fixing, and drying machine. 1,670,673; May 22.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Automatic draft regulator. 1,658,783; Feb. 7.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Oil burner. 1,658,784; Feb. 7.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Thermal safety control mechanism. 1,659,536; Feb. 14.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Fuel-burning device. 1,664,276; Mar. 27.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Domestic oil burner. 1,664,339; Mar. 27.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Safety control device. 1,669,386; May 8.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Oil-burner control. 1,679,331; July 31.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Safety control mechanism for fuel-feeding devices. 1,691,002; Nov. 6.
- Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Ignition device for liquid-fuel burners. 1,691,003; Nov. 6.
- Williams Welding & Manufacturing Company. (See Christy, Bayard H., assignor.)
- Williams Welding & Manufacturing Company. (See Williams, Edward, assignor.)
- Williams, William E. (See Blair, O. M., and Williams.)
- Williams, William E., Long Beach, Calif. Gas furnace. 1,659,900; Feb. 21.
- Williams, William E., Wilmette, Ill. Railway-car roof. 1,663,871; Mar. 27.
- Williams, William E., Wilmette, Ill. Steel roof for railway box cars. 1,671,002; May 22.
- Williams, William E., Wilmette, Ill. Anticreep rail anchor. 1,689,003; Oct. 23.
- Williams, William E., Wilmette, Ill. Railway-box-car carline. 1,696,427; Dec. 25.
- Williams, William E., Wilmette, Ill. Carrier used in making book and other matches. 1,696,743; Dec. 25.
- Williams, William E., Wilmette, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Concave demountable-rim disk wheel. 1,654,849; Jan. 3.
- Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Gelatin pad roll and spindle therefor. 1,662,448; Mar. 13.
- Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Spindle for gelatin rolls. 1,667,916; May 1.
- Williams, William E., Wilmette, assignor to Ditto, Incorporated, Chicago, Ill. Machine for copying by the hactograph principle. 1,667,917; May 1.
- Williams, William E., Wilmette, Ill., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Disk wheel using demountable rim. 1,672,239; June 5.
- Williams, William E., Wilmette, assignor to Ditto Incorporated, Chicago, Ill. Gelatin-roll spindle. 1,672,510; June 5.
- Williams, William G., Flushing, assignor to Waddell & Hardesty, New York, N. Y. Attachment for cables of lift bridges. 1,673,383; June 12.
- Williams, William M., assignor to B. F. Gump Co., Chicago, Ill. Coffee-cutting machine. 1,682,454; Aug. 28.
- Williams, William R. (See Davey, P. H., and Williams.)
- Williams, William W., Lubbock, Tex. Cotton distributor. 1,693,188; Nov. 27.
- Williams, Willie T., Nashville, Tenn. Condiment holder. 1,674,233; June 19.
- Williams, Winfield, Centerville, Calif. Glare shield. 1,674,538; June 19.
- Williamson, Adolph, Minneapolis, Minn. Automobile turn signal. 1,675,075; June 26.
- Williamson, Alva, San Bernardino, Calif. Tilting device for vehicles. 1,692,715; Nov. 20.
- Williamson, Arba G., Carnegie, assignor to Pittsburgh Train Control Company, Pittsburgh, Pa. Track-circuit system. 1,664,382; Mar. 27.

- Williamson, Arba G., Carnegie, assignor to Pittsburgh Train Control Company, Pittsburgh, Pa. Track-circuit system. 1,683,222; Sept. 4.
- Williamson, Arba G., Carnegie, assignor to Pittsburgh Train Control Company, Pittsburgh, Pa. Traffic-controlling system. 1,695,131; Dec. 11.
- Williamson, Charles D., Fort Worth, Tex. Bib construction for overalls. 1,683,511; Sept. 4.
- Williamson, Earle, Chicago, Ill. Temporary type-page lock. 1,682,698; Aug. 28.
- Williamson, Edwin O., assignor to The Eastern Machine Screw Corporation, New Haven, Conn. Thread-correcting device. 1,683,114; Sept. 4.
- Williamson, Floyd M. (See Williamson, Pearl H. and F. M.)
- Williamson, Floyd M., assignor to Williamson & Frederikson Manufacturing Company, Detroit, Mich. Latch. 1,670,527; May 22.
- Williamson & Frederikson Manufacturing Company. (See Williamson, Floyd M., assignor.)
- Williamson & Frederikson Manufacturing Company. (See Williamson, Pearl H. and F. M., assignors.)
- Williamson Heater Company, The. (See De Camp, Ellis O., assignor.)
- Williamson, Henry M., Oak Park, Ill. Oscillograph. 1,657,292; Jan. 24.
- Williamson, Henry M., assignor to Johnson-Williamson Laboratories, Incorporated, Chicago, Ill. Translator of electrical energy. 1,667,021; Apr. 24.
- Williamson, Henry M., Chicago, Ill., assignor to Johnson-Williamson Laboratories, Incorporated. Electrical receiver. 1,691,099; Nov. 13.
- Williamson, Herbert C., and B. M. Stubblefield, Youngstown, Ohio. Rotary grizzly screen. 1,679,593; Aug. 7.
- Williamson, Herbert E., San Francisco, Calif. Washing machine. 1,686,480; Oct. 2.
- Williamson, James S., Beaman, Mo. Cooker. 1,672,742; June 5.
- Williamson, John A. (See Glomstead, E. E., and Williamson.)
- Williamson, Pearl H. and F. M., assignors to Williamson & Frederikson Manufacturing Company, Detroit, Mich. Window. 1,671,055; May 22.
- Williamson, R., & Company. (See Ohm, Albert J. D., assignor.)
- Williamson, R., & Company. (See Williamson, Richard, assignor.)
- Williamson, Richard, assignors to R. Williamson & Company, Chicago, Ill. Lighting-fixture shade. Des. 76,213; Aug. 28.
- Williamson, Robert B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing. 1,671,056; May 22.
- Williamson, Roy C., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Power lift for road machines. 1,690,391; Nov. 6.
- Williamson, Ward S., Rock Falls, Ill. Self-cleaning rake. 1,686,781; Oct. 9.
- Williamson, Wilbur W., et al. (See Cabrera, Charles T., assignor.)
- Williamson, William C., Brooklyn, assignor to Briggs Bituminous Composition Company, Inc., New York, N. Y. Flooring for refrigerator railway cars. 1,658,270; Feb. 7.
- Williamson, William P., Ludlow, Mass., assignor to Ludlow Manufacturing Associates, trustees. Strand detector and detainer. 1,675,010; June 26.
- Williamsport Mirror & Glass Company. (See Schlegel, Robert A., assignor.)
- Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,660,662; Feb. 28.
- Willis, Bernard D., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Rotary line switch. 1,669,031; May 8.
- Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,672,971; June 12.
- Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone trunk circuits. 1,682,101; Aug. 28.
- Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multi-office telephone system. 1,682,158; Aug. 28.
- Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multi-office telephone system. 1,682,159; Aug. 28.
- Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,686,306; Oct. 2.
- Willis, Charles C., Framingham Center, assignor to Denison Manufacturing Company, Framingham, Mass. Crepe-paper festoon. 1,659,584; Feb. 21.
- Willis, Glenn H., assignor to J. L. Snyder, Akron, Ohio. Playing ball. 1,656,462; Jan. 17.
- Willis, Harry L., assignor to Union Special Machine Company, Chicago, Ill. Thread cutter for sewing machines. 1,684,612; Sept. 18.
- Willis, John D., Oakland, Calif. Electric motor. 1,674,383; June 19.
- Willis-Jones Machinery Co. (See Willis, Rex C., assignor.)
- Willis, Orvis C. (See Cox, O., and Willis.)
- Willis, Oscar D., and L. C. Withrow, Huntington, W. Va. Combination furniture. 1,673,656; June 12.
- Willis, Rex C., Seattle, Wash. Valve-seat reamer. 1,693,129; Nov. 27.
- Willis, Rex C., assignor to Willis-Jones Machinery Co., Inc., Seattle, Wash. Method and apparatus for reseating valves. 1,667,918; May 1.
- Williston, Belvin T., Somerville, Mass., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Valve. 1,673,058; June 12.
- Williston, Belvin T., Somerville, Mass., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. High-pressure gate valve. 1,686,057; Oct. 2.
- Williston, Samuel H., Maracaibo, Venezuela. Side-wall sampler. 1,683,642; Sept. 11.
- Willits, Guy V., Indianapolis, Ind. Rotary fan. 1,657,983; Jan. 31.
- Willits, Leland R., Atlantic City, N. J. Battery water-level indicator. 1,694,609; Dec. 11.
- Willk, Alexandre, Paris, France. Folding powder-puff device. 1,658,542; Feb. 7.
- Willmann, Joseph, Derby, Conn. Freezing ice cream. 1,666,804; Apr. 17.
- Willmott, James D., Camden, N. J., assignor to Horn Surgical Company, Philadelphia, Pa. Therapeutic garment. 1,659,934; Feb. 21.
- Willners, John A., Philadelphia, assignor to Penn Utility Company, Conshohocken, Pa. Locking device for closures. 1,695,405; Dec. 18.
- Willoughby, Claude V., near Mount Washington, assignor to H. T. Colling Company, Cincinnati, Ohio. Fishing device. 1,670,275; May 15.
- Willoughby Sausage Company. (See Kourim, Williams, assignor.)
- Willoughby, Victor. (See Joy, R. W., and Willoughby.)
- Willoughby, Victor. (See Thompson, J. D., and Willoughby.)
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Refrigerator car. 1,665,387; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Hopper car. 1,665,388; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Brake-rod jaw. 1,665,389; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 1,665,390; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 1,665,391; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Car roof. 1,665,392; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Brake mechanism. 1,665,393; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 1,665,394; Apr. 10.
- Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Insulated tank car. 1,685,111; Sept. 25.
- Willrich, Edgar G., Los Angeles, Calif. Pump-operating mechanism. 1,666,227; Apr. 17.
- Wills, Charles M., Atlantic City, N. J., assignor to The American Transom Co. Inc., Philadelphia, Pa. Ventilator. 1,674,186; June 19.
- Wills, Charles M., Atlantic City, N. J., assignor to The American Transom Co. Inc., Philadelphia, Pa. Flexible ventilator. 1,677,910; July 24.
- Wills, Harold A., Plainfield, N. J. Railroad crosstie. 1,668,181; May 1.
- Wills, Harold A., Plainfield, N. J. Railroad crosstie. 1,696,662; Dec. 25.
- Wilsea, Jasper B., Rochester, N. Y. Paper-conditioning apparatus. 1,660,901; Feb. 28.
- Wilsea, Louis F., Rochester, N. Y. Delivery mechanism. 1,666,984; Apr. 24.
- Willshaw, Harry, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Vulcanizing apparatus. 1,693,835; Dec. 18.
- Willson, Ethelred A. (See Creed, F. G., and Willson.)
- Willson Goggles Inc. (See Shindel, Harry E., assignor.)
- Willson Products, Inc. (See Shindel, Harry E., assignor.)
- Willson, William H., Los Angeles, Calif. Fireworks and blank for making the same. 1,667,180; Apr. 24.
- Willys-Overland Company, The. (See Boughton, Solon J., assignor.)
- Willys-Overland Company, The. (See Edwards, Henry J., assignor.)
- Willys-Overland Company, The. (See Fisher, Walter S., assignor.)
- Willys-Overland Company, The. (See Grimm, George E., assignor.)
- Willys-Overland Company, The. (See Huntington, Edward E., assignor.)
- Willys-Overland Company, The. (See Knight, Charles Y., assignor.)
- Willys-Overland Company, The. (See Rhoads, Harry E., assignor.)
- Willys-Overland Company. (See Wagner, Henry A., assignor.)
- Willys-Overland Company, The. (See White, Clyde L., assignor.)

- Willmanns, Christopher, Indianapolis, Ind. Smoker's stand. Des. 74,995; Apr. 24.
- Wilmington, Valdemar, assignor to G. Koefoed, Copenhagen, Denmark. Device for mixing amalgam for tooth fillings and stoppings. 1,677,697; July 17.
- Wilmot Engineering Company. (See Wilmot, George W., assignor.)
- Wilmot, George W., assignor to Wilmot Engineering Company, Hazleton, Pa. Attachment for chairs. 1,685,112; Sept. 25.
- Wilmot, Ruth, assignor to R. H. Macy & Co., Inc., New York, N. Y. Box-wrapping paper. Des. 76,866; Sept. 18.
- Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Switch-box cover. Des. 76,275; Sept. 4.
- Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Thermostatically-actuated switch. 1,674,078; June 19.
- Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Mechanical movement. 1,685,113; Sept. 25.
- Wilsdorf, Hans. (See Perret, Georges, assignor.)
- Wilsley, Irven H., assignor to J. B. Tuthill, Chicago, Ill. Rotary machine. 1,660,464; Feb. 28.
- Wilshusen, August E., Kokomo, Ind. Governor. 1,671,756; May 29.
- Wilson, Albert, Chicago, Ill. Type-composition-binding frame. 1,666,674; Apr. 17.
- Wilson, Albert A., Chicago, Ill. Type bearer. 1,691,693; Nov. 13.
- Wilson, Alfred E., Bromley, England. Filling of joint boxes for electric cables and apparatus therefor. 1,690,657; Nov. 6.
- Wilson, Alfred E., Bromley, England. Filling of joint boxes for electric cables. 1,690,658; Nov. 6.
- Wilson, Alfred R., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Saddle and center joint cap. 1,664,444; Apr. 3.
- Wilson, Arthur L., Hammond, Ind., assignor to Westinghouse Electric & Manufacturing Company. High-speed radiotransmitter. 1,669,502; May 15.
- Wilson, C. R., Body Company. (See Breneman, Paul E., assignor.)
- Wilson, Carl, Chillicothe, Ohio. Cultivator attachment. 1,661,985; Mar. 6.
- Wilson, Cecelia C., Oakland, Calif. Sanitary seat for invalid chairs. 1,691,620; Nov. 13.
- Wilson, Charles E., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Switch. 1,678,893; July 31.
- Wilson, Charles E., and A. Toelle, Anderson, Ind., assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition-coil mounting. 1,690,353; Nov. 6.
- Wilson, Charles E., and H. Huenerkopf, Bridgeport, Conn., assignors to General Electric Company. Metal-tubing machine. 1,683,223; Sept. 4.
- Wilson, Charles F. (See Barrett, Paul D., assignor.)
- Wilson, Charles H., Pelham, N. Y. Water barrier for windows and the like. 1,683,377; Sept. 4.
- Wilson, Charles H., and C. J. Brown, North Pelham, N. Y. Electrical controller and recorder. 1,690,517; Nov. 6.
- Wilson, Charles T., Company. (See Giesecke, William E., assignor.)
- Wilson, Charles W., Renton, Wash. Faucet. 1,659,796; Feb. 21.
- Wilson, Charles W., Renton, Wash. Faucet. 1,659,797; Feb. 21.
- Wilson, Claud. (See Dennis, D. B., and Wilson.)
- Wilson, David, Spokane, Wash. Nut lock. 1,657,949; Jan. 31.
- Wilson, Douglas A., Peoria, assignor to Rowe Manufacturing Company, Galesburg, Ill. Fence-making machine. 1,663,786; Mar. 27.
- Wilson, E. E., et al. (See Hansen, Jakobi, assignor.)
- Wilson, Edgar H., Stowe Township, Allegheny County, assignor to Taylor-Wilson Manufacturing Company, McKees Rocks, Pa. Feeding and discharging mechanism for metal-working apparatus. 1,659,848; Feb. 21.
- Wilson, Edgerton R. (See Shears, S. S., and Wilson.)
- Wilson, Edgerton R., Peterboro, Ontario, Canada, and S. S. Shears, Brooklyn, N. Y.; said Wilson assignor to said Shears. Vehicle spring. 1,678,662; July 31.
- Wilson, Edward A., Jackson Heights, N. Y., assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Towel. Des. 75,455; June 5.
- Wilson, Edward A., Jackson Heights, N. Y., assignor to W. H. & A. E. Margerison & Co., Philadelphia, Pa. Towel. Des. 75,456; June 5.
- Wilson, Edward P. (See Neal, S. G., Astle, and Wilson.)
- Wilson, Edward, assignor to National Pump and Compressor Company, St. Louis, Mo. Valve. 1,679,012; July 31.
- Wilson, Edwin B., Forest Hills, assignor to Design Laboratories, Incorporated, New York, N. Y. Adjustable frame for effigies. 1,660,735; Feb. 28.
- Wilson, Edwin B., Forest Hills, assignor to Design Laboratories, Incorporated, New York, N. Y. Lamp shade. 1,665,617; Apr. 10.
- Wilson, Edwin B., Forest Hills, N. Y. Ornamental object. 1,665,618; Apr. 10.
- Wilson, Edwin B., Forest Hills, assignor to Design Laboratories, Incorporated, New York, N. Y. Christmas-tree ornament. 1,695,307; Dec. 18.
- Wilson, Edwin W., assignor of one-half to F. T. Boydston, Chicago, Ill. Pencil. 1,663,742; Mar. 27.
- Wilson, Elbert B., East Orange, N. J., assignor to Gold Car Heating & Lighting Company, Brooklyn, N. Y. Protected thermometric electric-circuit closer. 1,655,119; Jan. 3.
- Wilson, Elihu C., Los Angeles, Calif. Automatic pipe tongs. 1,660,853; Feb. 28.
- Wilson, Ellis L., San Anselmo, Calif. Adjustable lock. 1,661,454; Mar. 6.
- Wilson, Emery J., Cleveland, assignor to The Thew Shovel Company, Lorain, Ohio. Endless-track-propelled vehicles. 1,673,541; June 12.
- Wilson, Emery J., Cleveland, assignor to The Thew Shovel Company, Lorain, Ohio. Drag-line arrangement. 1,691,100; Nov. 13.
- Wilson, Ernest L., West Croydon, England. Curtain-suspension device. 1,658,271; Feb. 7.
- Wilson Fastener Company, The. (See Wilson, Frank E., assignor.)
- Wilson, Frank, sr., assignor to A. W. Reboul, Los Angeles, Calif. Rail and tie clamp. 1,665,575; Apr. 10.
- Wilson, Frank, sr., assignor to A. W. Reboul, Los Angeles, Calif. Rail and tie clamp. 1,669,436; May 15.
- Wilson, Frank E., assignor to The Wilson Fastener Company, Cleveland, Ohio. Garter buckle. 1,687,816; Oct. 16.
- Wilson, Frank E., assignor to The Wilson Fastener Company, Cleveland, Ohio. Garter buckle. 1,687,817; Oct. 16.
- Wilson, Frank J., Nelson, Nebr. Welder's table and clamp. 1,672,996; June 12.
- Wilson, Frank N., Webster Groves, Mo. Loading machine. 1,656,616; Jan. 17.
- Wilson, Fred D. (See Wheatley, Robert L., assignor.)
- Wilson, Fred D. (See Wilson, Horace E. and F. D.)
- Wilson, Frederick A., London, England. Apparatus for the manufacture of roofing tiles. 1,695,132; Dec. 11.
- Wilson, Frederick E., Buffalo, N. Y. Septic tank. 1,655,639; Jan. 10.
- Wilson, George E., Omaha, Nebr. Dispensing receptacle for powdered and granular materials. 1,691,261; Nov. 13.
- Wilson, George F. (See Gammeter, J. R., Shook, and Wilson.)
- Wilson, George H. (See Henderson, J. W., and Willson.)
- Wilson, George H., Louisville, Ky. Tobacco pipe. 1,664,340; Mar. 27.
- Wilson, George W., assignor of one-half to J. R. Townsend, Los Angeles, Calif. Railway crossing. 1,686,541; Oct. 9.
- Wilson, Guy K. (See Smith, E. F., and Wilson.)
- Wilson, H. A., Company, The. (See Lepow, Max, assignor.)
- Wilson-Haffenden, James, London, England. Hand iron. 1,677,065; July 10.
- Wilson, Harry T., Easton, Pa. Holder. 1,695,166; Dec. 11.
- Wilson, Henry W., New York, N. Y. Locked radiator filler cap. 1,672,921; June 12.
- Wilson, Henry W., assignor to J. W. Wood Elastic Web Company, Stoughton, Mass. Elastic fabric. 1,672,186; June 5.
- Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Handle construction. 1,692,013; Nov. 20.
- Wilson, Hiram S., Chillicothe, Ohio. Buffer for locomotives. 1,658,179; Feb. 7.
- Wilson, Hiram W., Coyle, Okla. Gate. 1,654,850; Jan. 3.
- Wilson, Horace R. and F. D. Harvey, Ill. Road grader. 1,676,938; July 10.
- Wilson, Horace S., Chicago, Ill. Moving window display. 1,673,929; June 19.
- Wilson-Hurd Company. (See Henderson, Edwin L., assignor.)
- Wilson, Ira G., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic system for testing repeaters. 1,690,213; Nov. 6.
- Wilson, J. S., Corporation. (See Fairhurst, John T., assignor.)
- Wilson Jack, Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Brake-beam safety hanger. 1,685,474; Sept. 25.
- Wilson, James. (See Hinger, J. A., Mayer, and Wilson.)
- Wilson, James, Great Falls, Mont. Rotary plow. 1,692,282; Nov. 20.
- Wilson, James C., Winnipeg, Manitoba, Canada. Heat economizer. 1,684,049; Sept. 11.
- Wilson, James E., Linton, Ind., Track bend for slide rails. 1,659,178; Feb. 14.
- Wilson, James H., Detroit, Mich. Burning iron. 1,656,256; Jan. 17.
- Wilson, James H., Ottawa, Ontario, Canada. Horse collar. 1,658,112; Feb. 7.
- Wilson, James L., and T. G. Vicars, Pineville, Ky. Pipe patch. 1,679,236; July 31.
- Wilson, James M., Newark, N. Y., assignor to Amplitone Company, Inc., New York, N. Y. Telephone receiver. 1,665,078; Apr. 3.
- Wilson, John, Pawtucket, R. I. Tobacco-pipe ventilator. 1,664,146; Mar. 27.
- Wilson, John A., Windsor, Ontario, Canada. Goggles. 1,676,760; July 10.
- Wilson, John A., Elizabeth, assignor to Duratex Corporation, Newark, N. J. Flexible covering material and making the same. 1,685,893; Oct. 2.

- Wilson, John H., Co. (See Cowen, Arthur, assignor.)
 Wilson, John H., Burkburnett, Tex. Winch. 1,670,330; May 22.
 Wilson, John H., Burkburnett, Tex. Tractor extension frame. 1,673,612; June 12.
 Wilson, John W. (See Petersen, J. H. D., and Wilson.)
 Wilson-Jones Company. (See Carpenter, Charles C., assignor.)
 Wilson-Jones Loose Leaf Company. (See Newman, George W., assignor.)
 Wilson, Joseph B., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,675,477; July 3.
 Wilson, Kentner L., Miller, S. Dak. Ice-cream container. 1,693,420; Nov. 27.
 Wilson, Leon T., East Orange, N. J., assignor to American Telephone and Telegraph Company. Insulator. 1,678,663; July 31.
 Wilson, Louis, Brooklyn, assignor to B. L. Nicholes & Co. Inc., New York, N. Y. Powder-distributing machine. 1,659,179; Feb. 14.
 Wilson Manufacturing Company. (See Penta, Patrick W., assignor.)
 Wilson, Mary I., et al. (See Hansen, Jakobi, assignor.)
 Wilson, Mary R. H., Alexandria, La. Hair-waving device. 1,682,455; Aug. 28.
 Wilson, Mirza J., Kenmore, Ohio. Bumper. 1,692,482; Nov. 20.
 Wilson, Montgomery, et al. (See Smith, Luther, assignor.)
 Wilson, Omar M. (See McLaren, Arthur F., assignor.)
 Wilson, Onnolee M., Wilton, Conn. Extension side for pans. 1,694,958; Dec. 11.
 Wilson, Prescott C., Brooklyn, N. Y. Traveling sail-securing device. 1,695,673; Dec. 18.
 Wilson, Prescott C., Brooklyn, N. Y. Traveler slide for sail attachments. 1,695,674; Dec. 18.
 Wilson, Ralph B., Pittsburgh, Pa. Double-sliding reversible window. 1,686,589; Oct. 9.
 Wilson, Ralph E., Dallas, Tex. Cotton-separating machine. 1,680,712; Aug. 14.
 Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Lipstick holder. 1,680,755; Aug. 14.
 Wilson, Raymond C., assignor to International Motor Company, New York, N. Y. Resilient coupling. 1,668,134; May 1.
 Wilson, Raymond C., assignor to International Motor Company, New York, N. Y. Seat. 1,693,770; Dec. 4.
 Wilson, Robert, Seanon, Pa. Rubber valve for plunger pumps. 1,657,984; Jan. 31.
 Wilson, Robert A., assignor to The Guiberson Corporation, Dallas, Tex. Rod joint. 1,671,458; May 29.
 Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Breather bag. 1,669,183; May 8.
 Wilson, Robert E., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Distilling hydrocarbon oils. 1,676,610; July 10.
 Wilson, Robert H., et al. (See Chinn, Neil M., assignor.)
 Wilson, Robert J., Seattle, Wash. Crank-pin refinishing tool. 1,660,539; Feb. 28.
 Wilson, Scott L., Dinuba, Calif. Bolt. 1,675,777; July 3.
 Wilson-Snyder Manufacturing Company. (See Shimer, John M., assignor.)
 Wilson, Stanton D., St. Louis, Mo. Light globe. Des. 76,444; Sept. 25.
 Wilson, Stephen G., Philadelphia, Pa. Polishing device. 1,677,742; July 17.
 Wilson, Theodora B., et al. (See Chinn, Neil M., assignor.)
 Wilson, Thomas F., and W. Albright, Seattle, Wash. Barrel grip. 1,657,100; Jan. 24.
 Wilson, Walter J. (See Osburn, Sylvester V., assignor.)
 Wilson Welder & Metals Company. (See Churchward, Alexander, assignor.)
 Wilson-Western Sporting Goods Company. (See Greer, Thomas, assignor.)
 Wilson-Western Sporting Goods Company. (See Hiltentheil, Albert F., assignor.)
 Wilson-Western Sporting Goods Co. (See Levinson, David, assignor.)
 Wilson-Western Sporting Goods Company. (See Turner, Archibald J., assignor.)
 Wilson, William B., Chicago, Ill. Multiple-map holder. 1,671,214; May 29.
 Wilson, William E., Mason City, Iowa, and H. G. Lykken, Minneapolis, Minn. Tunnel-kiln fire box. 1,662,912; Mar. 20.
 Wilson, William G., West New Brighton, N. Y. Lead-pipe seal. 1,682,879; Sept. 4.
 Wilson, William H., assignor to Vermont Spool & Bobbin Co., Burlington, Vt. Spool for Axminster looms. 1,683,224; Sept. 4.
 Wilson, William R. (See Perdue, Henry C., assignor.)
 Wilson, William W., Los Angeles, G. C. Deakins, Anaheim, and R. R. Shull, Long Beach, Calif. Pump valve. 1,687,745; Oct. 16.
 Wilson, William W., Los Angeles, Calif. Rod elevator. 1,690,709; Nov. 6.
 Wilson, Winfred E., Los Angeles, Calif. Arched rib. 1,654,625; Jan. 3.
 Wilson, Wylie G., Elizabeth, N. J. Reciprocating valve. Re17,022; July 3.
 Wilson, Wylie G., Jersey City, N. J. Valve. 1,671,139; May 29.
 Wilson, Wylie G., Jersey City, N. J. Valve. 1,671,140; May 29.
 Wilson, Zack, et al. (See Weston, Charles W., assignor.)
 Wilt, Frank E., Zanesville, Ohio. Hydrant. 1,671,803; May 29.
 Wilt, Frank E., Zanesville, Ohio. Gas vent for gas stoves. 1,695,308; Dec. 18.
 Wilt, Harry H., et al. (See Crown, William F., assignor.)
 Wiltse Appliance Company. (See Wiltse, Sumner, assignor.)
 Wiltse, Sumner, Detroit, Mich., assignor to Wiltse Appliance Company. Fuel-supply system for internal-combustion engines. 1,694,805; Dec. 11.
 Wiltzie, Oliver E., Troy, N. Y. Adjustable releasing device. 1,677,009; July 10.
 Wimsatt, Genevieve B., Washington, D. C. Teacup. Des. 75,596; June 19.
 Wimsatt, Genevieve B., Washington, D. C. Saucer. Des. 75,597; June 19.
 Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Control shutter for engine radiators. 1,660,145; Feb. 21.
 Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Control shutter for engine radiators. 1,660,146; Feb. 21.
 Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Ventilator for closed vehicles. 1,680,966; Aug. 14.
 Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Control shutter for engine radiators. 1,682,716; Aug. 28.
 Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Oil-change recorder. 1,689,181; Oct. 23.
 Winans, Wesley G., Detroit, Mich. Garage-door holder. 1,658,824; Feb. 14.
 Winchell, Thomas R., Portland, Me. Reinforcing metal corner for cleated cases. 1,672,108; June 5.
 Winchester Repeating Arms Company. (See Beebe, Herbert F., assignor.)
 Winchester Repeating Arms Company. (See Cahill, Gerald, assignor.)
 Winchester Repeating Arms Company. (See Charles, Clifford S., assignor.)
 Winchester Repeating Arms Company. (See Humeston, Frederick L., assignor.)
 Winchester Repeating Arms Company. (See Kelley, George H., assignor.)
 Winchester Repeating Arms Company. (See Staples, Henry W., assignor.)
 Winckler, Aage E., Milwaukee, Wis. Fuel injector for internal-combustion engines. 1,691,172; Nov. 13.
 Winckler, Aage E., Milwaukee, Wis. Combustion chamber for internal-combustion engines. 1,691,173; Nov. 13.
 Winckler, Aage E., Milwaukee, Wis. Internal-combustion engine. 1,691,174; Nov. 13.
 Winckler, Aage E., Milwaukee, Wis. Fuel-feeding mechanism for internal-combustion engines. 1,691,175; Nov. 13.
 Winckler, Aage E., Milwaukee, Wis. Lubricating system for internal-combustion engines. 1,691,322; Nov. 13.
 Windberger, Othmar, Wiener-Neustadt, Austria. Underframe for automobile vehicles. 1,694,112; Dec. 4.
 Windeknecht, Carl A., Berlin, Germany. Building. 1,663,473; Mar. 20.
 Winder, Charles F., Hollywood, Calif., assignor to The Symphonæa Co. Organ. 1,654,626; Jan. 3.
 Winder, Thomas M., and W. R. Morrow, Independence, Kans. Oil-well torpedo. 1,686,481; Oct. 2.
 Windle, Randolph T., New York, N. Y. Trigger lock for firearms. 1,686,482; Oct. 2.
 Windle, Thomas. (See Luscombe, J. T., and Windle.)
 Window Glass Machine Company. (See Casselman, Elbridge J., assignor.)
 Windsor, Walter E., et al. (See Tansill, Charles M., assignor.)
 Wine-Dip Company, The. (See Fiorita, Anthony R., assignor.)
 Wine Railway Appliance Company. (See Pratt, Lucius S., assignor.)
 Wine Railway Appliance Company. (See Wine, William E., assignor.)
 Wine, William E., Toledo, Ohio. Side bearing. 1,655,486; Jan. 10.
 Wine, William E., Toledo, Ohio. Side bearing. 1,655,487; Jan. 10.
 Wine, William E., Toledo, Ohio. Railway car. 1,658,584; Feb. 7.
 Wine, William E., Toledo, Ohio. Hopper-door lock. 1,658,585; Feb. 7.
 Wine, William E., Toledo, Ohio. Ventilated freight car. 1,660,736; Feb. 28.
 Wine, William E., Toledo, Ohio. Car-door mechanism. 1,662,651; Mar. 13.
 Wine, William E., Toledo, Ohio. Side bearing. 1,664,445; Apr. 3.
 Wine, William E., Toledo, Ohio. Car-door lock. 1,668,347; May 1.
 Wine, William E., Toledo, Ohio. Car-door-locking device. 1,682,946; Sept. 4.
 Wine, William E., Toledo, Ohio. Door mechanism for railway cars. 1,686,590; Oct. 9.
 Wine, William E., Toledo, Ohio. Hopper-car-door frame. 1,686,591; Oct. 9.

- Wine, William E., Toledo, Ohio. Slope sheet for freight cars. 1,691,792; Nov. 13.
- Wine, William E., Toledo, Ohio. Slope sheet and making the same. 1,691,793; Nov. 13.
- Wine, William E., Toledo, Ohio. Ventilated freight car. 1,692,238; Nov. 20.
- Wine, William E., assignor to Wine Railway Appliance Company, Toledo, Ohio. Freight car. 1,661,863; Mar. 6.
- Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Traction wheel. 1,666,036; Apr. 10.
- Wine, William E., and J. W. Promenschenkel, assignors to The Tractor Grip Wheel Company, Toledo, Ohio. Traction wheel. 1,666,037; Apr. 10.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve gear. 1,658,318; Feb. 7.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve-controlling mechanism. 1,658,319; Feb. 7.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Making drill steel. 1,668,442; May 1.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Loading mechanism. 1,679,143; July 31.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Furnace. 1,679,145; July 31.
- Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Drill-forging mechanism. 1,680,252; Aug. 7.
- Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company, Boston, Mass. Forging machine. 1,679,125; July 31.
- Winer, Jesse S., Sturgis, Mich. Register. 1,691,835; Nov. 13.
- Winfree, Douglas E. (See Sumpter, B. F., Winfree, and Robards.)
- Wing, William E. (See Gilbreath, F. E., and Wing.)
- Wingen, Christian. (See Nicholson, William A., assignor.)
- Wingfield, Grover L., Sandstone, W. Va. Trap. 1,687,963; Oct. 16.
- Wingler, August, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, New York, N. Y. Isoamyl ester of the di-iodide of behenic acid and producing same. 1,688,100; Oct. 16.
- Wingler, August, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Isobutyl ester of the di-iodide of behenic acid and preparing same. 1,688,169; Oct. 16.
- Wingquist, Sven G., Gottenborg, Sweden. Hydraulic coupling and change-speed gear. 1,673,542; June 12.
- Wingquist, Sven G., Gottenborg, Sweden. Hydraulic change-speed gear. 1,677,996; July 24.
- Winkel, George R., assignor to N. E. Henderson & Son, Incorporated, Philadelphia, Pa. Lighting fixture. Des. 75,993; Aug. 7.
- Winkelmann, Henry F., Billings, Mont. Concrete-pipe joint. 1,668,666; May 8.
- Winkler, Alfred and M. Dünnebieber, Neuwied, Germany. Apparatus for withdrawing and folding sheets from a stack of sheets. 1,674,187; June 19.
- Winkler, Carl, Bern, Switzerland. Core for molds for casting curved stereotypes. 1,655,349; Jan. 3.
- Winkler, Carl, Bern, Switzerland. Mantle of molds for casting stereotype plates. 1,669,316; May 8.
- Winkler, Carl, Bern, Switzerland. Machine for casting stereotype plates. 1,686,429; Oct. 2.
- Winkler, Carl, Bern, Switzerland. Machine for casting curved stereotypes. 1,694,299; Dec. 4.
- Winkler, Fritz, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Manufacturing fuel gas. 1,687,118; Oct. 9.
- Winkler, Joseph F., Philadelphia, Pa. Compressor. 1,661,148; Feb. 28.
- Winkler, Louis E., and F. C. Koch, Wichita, Kans. Bubble tower. 1,686,542; Oct. 9.
- Winkler, Louis G., assignor to Parts Corporation, Indianapolis, Ind. Countersinking holes in metal. 1,695,476; Dec. 18.
- Winkler, Max O., Victoria, British Columbia, Canada. Silencing device for rattling sash windows. 1,674,079; June 19.
- Winkler, Moses H., Meridian, Miss. Ten-yard line. 1,684,566; Sept. 18.
- Winkler, Moses H., Meridian, Miss. Indicator. 1,687,276; Oct. 9.
- Winkler, Xaver, assignor to the Firm E. Holtzman & Cie. A-Ges., Weisenbachfabrik, Germany. Wood grinder. 1,691,101; Nov. 13.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pounding machine. 1,672,187; June 5.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel press. 1,683,115; Sept. 4.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,689,609; Oct. 30.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. 1,690,186; Nov. 6.
- Winkley, Erastus E., Lynn, and H. A. Davenport, Brockton, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 1,667,761; May 1.
- Winkley, Erastus E., and F. V. Hart, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe-pressing machine. 1,685,387; Sept. 25.
- Winkley, Frank D., Chicago, Ill., assignor to The Bassick Manufacturing Co. Lubricating system. 1,658,217; Feb. 7.
- Winn, Adelbert D., Toronto, Ontario, Canada. Buckle overshoe. 1,691,219; Nov. 13.
- Winn, E. L. (See Tobener, William H., assignor.)
- Winn, Luke R., Sioux City, Iowa. Calipers. 1,692,014; Nov. 20.
- Winn, Sidney B., Lapeer, Mich. Vertical support for semitrailers. 1,660,663; Feb. 28.
- Winn, Sidney B., Lapeer, Mich. Tractor trailer combination. 1,660,944; Feb. 28.
- Winn, Sidney B., Lapeer, Mich. Spring-supported coupler pin. 1,660,945; Feb. 28.
- Winn, Sidney B., Lapeer, Mich. Coupling. 1,660,946; Feb. 28.
- Winn, Sidney B., Lapeer, Mich. Oscillatory coupling pin for tractor trailer combination. 1,660,947; Feb. 28.
- Winn, Sidney B., Lapeer, Mich. Tractor trailer combination. 1,660,948; Feb. 28.
- Winn, Sidney B., Lapeer, Mich. Leg-elevating mechanism. 1,660,949; Feb. 28.
- Winn, Sperry H., Seattle, Wash. Boiler fitting. 1,689,575; Oct. 30.
- Winner, Glenn B. (See Buchanan, G. H., Winner, and Tucker.)
- Winning, Robert K., assignor to Clum Manufacturing Company, Milwaukee, Wis. Rotary switch. 1,671,389; May 29.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Friction detent. 1,671,390; May 29.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Light-dimming switch. 1,678,686; July 31.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Co., Milwaukee, Wis. Control mechanism. 1,695,938; Dec. 18.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Dash switch. 1,695,939; Dec. 18.
- Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Electric switch. 1,695,940; Dec. 18.
- Winning, Robert K., Wauwatosa, and J. R. Thorp, West Allis, assignors to Clum Manufacturing Co., Milwaukee, Wis. Permutation lock. 1,655,002; Jan. 3.
- Winninghoff, Wilford J. (See Mailey, R. D., and Winninghoff.)
- Winninghoff, Wilford J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Shipping case. 1,658,622; Feb. 7.
- Winninghoff, Wilford J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Anode spacer. 1,661,589; Mar. 6.
- Winninghoff, Wilford J., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Thermostatic electric switch. 1,695,261; Dec. 11.
- Winogradoff, Alexander, assignor to Inecto, Inc., New York, N. Y. Dyeing fur. 1,660,826; Feb. 28.
- Winogradoff, Alexander, assignor to Inecto, Inc., New York, N. Y. Dyeing fibers. 1,677,508; July 17.
- Wingquist, Andrew T., Aberdeen, Wash. Counter pencil. 1,659,901; Feb. 21.
- Wingquist, Roy A., St. Paul, Minn. Peeling and coring knife. 1,674,271; June 19.
- Winsboro, William A., Los Angeles, Calif., assignor to J. A. Greathouse, Lamp. Des. 75,889; July 24.
- Winship, Boit & Co. (See Hatfield, Percy W., assignor.)
- Winship, Boit & Co. (See Winship, Charles N., assignor.)
- Winship, Charles N., assignor to Winship, Boit & Co., Wakefield, Mass. Undergarment. 1,688,910; Oct. 23.
- Winship, Emory. (See Marcum, Arthur I., assignor.)
- Winship, Emory. (See Rayburn, Alden G., assignor.)
- Winsinger, Otto F. (See Tarkington, B. G., and Winsinger.)
- Winslow, Charles A., Vallejo, Calif. Liquid-level indicator. 1,657,330; Jan. 24.
- Winslow, Charles A., Vallejo, and E. J. Hall, Berkeley, Calif. Oil filter. 1,659,902; Feb. 21.
- Winslow, Charles A., Vallejo, and E. J. Hall, Berkeley, Calif. Oil cleaner. 1,671,391; May 29.
- Winslow, Charles A., Vallejo, and E. J. Hall, Berkeley, Calif. Air cleaner. 1,691,536; Nov. 13.
- Winslow, Edward N., Shaker Heights, Ohio. Signal mechanism. 1,694,573; Dec. 11.
- Winslow, Elbert R., Gibson, Nebr. Moving-picture-machine attachment. 1,658,149; Feb. 7.
- Winslow Safety High Pressure Boiler Co. (See White, Raymond E., assignor.)
- Winslow, Samuel, Skate Manufacturing Company, The. (See Copeland, Eugene A., assignor.)
- Winslow, Sewell E., Bridgeport, Conn., assignor, by mesne assignments, to Consolidated Ashcroft Hancock Company, New York, N. Y. Alloy. 1,683,749; Sept. 11.
- Winslow, William, Fairbury, Ill. Thrashing-machine weighing apparatus. 1,659,288; Feb. 14.

- Winsor, Irwin B., Kansas City, Mo. Oil-well pump. 1,673,856; June 19.
- Winsor, Roy J., Bucyrus, Ohio. Tractor extension frame. 1,669,364; May 8.
- Winsor, Roy J., Bucyrus, Ohio. Steering device. 1,695,219; Dec. 11.
- Winstead, Martin A., J. D. Reid, and W. C. Moody, Lundell, Ark. Antichoke roll agitator. 1,687,964; Oct. 16.
- Winston, Charles A. (See Oberbeck, Joseph W., assignor.)
- Winston, Robert. (See Jaschun, Herman, assignor.)
- Winston, William J. (See Mitts, P. S., and Winston.)
- Winter, August P., assignor, by mesne assignments, to S. C. Clow, Minneapolis, Minn. Grate for dump pits. 1,676,307; July 10.
- Winter, Charles. (See Jensen, L., and Winter.)
- Winter, Christian, Oskaloosa, Iowa. Fence post. 1,689,610; Oct. 30.
- Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Supervisory control system. 1,669,112; May 8.
- Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Synchronizing device. 1,680,756; Aug. 14.
- Winter, John, Goshen, Ind. Map case. 1,688,677; Oct. 23.
- Winter, Joseph W., Penfield, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Electric welding mechanism. 1,681,604; Aug. 21.
- Winterhalter, Wilhelm, Frankfurt-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Dyeing with vat and azo dyestuffs. 1,678,580; July 24.
- Winters, Alexander F., and B. R. Crampton, Grand Rapids, Mich. Hinge. Des. 75,537; June 12.
- Winters, Alexander F., and B. R. Crampton, Grand Rapids, Mich. Reversible latch. 1,659,849; Feb. 21.
- Winters, Alexander F., Grand Rapids, Mich. Cupboard latch. 1,676,593; July 10.
- Winters & Crampton Mfg. Co., The. (See Crampton, Basil R., assignor.)
- Winters & Crompton Manufacturing Company. (See Geske, Carl, assignor.)
- Winters, David L., Los Angeles, Calif. Attachment for spark plugs. 1,689,707; Oct. 30.
- Winters, Douglas M., Mill Creek, Ill. Revolving fan. 1,670,056; May 15.
- Winters, Jacob J. (See Palmer, J. A., and Winters.)
- Winters, Stryker & Crampton. (See Crampton, Basil R., assignor.)
- Winther Company, The. (See Jensen, Thorvald, assignor.)
- Winthrop Chemical Company. (See Bochrühl, M., and Ehrhart, assignors.)
- Winthrop Chemical Company. (See Bockmühl, M., and Schwarz, assignors.)
- Winthrop Chemical Company. (See Bockmühl, M., Schwabe, and Ehrhart, assignors.)
- Winthrop Chemical Company. (See Günzler, H., and Neubert, assignors.)
- Winthrop Chemical Company. (See Hahl, H., and Kropp, assignors.)
- Winthrop Chemical Company. (See Hahl, Hans, assignor.)
- Winthrop Chemical Company. (See Kropp, Walter, assignor.)
- Winthrop Chemical Company. (See Osvald, Gösta, assignor.)
- Winthrop Chemical Company. (See Schranz, K., and Lutter, assignors.)
- Winthrop Chemical Company. (See Schulemann, W., and Meisenburg, assignors.)
- Winthrop Chemical Company. (See Wingler, August, assignor.)
- Winton, John T., Odessa, Tex. Metallic window sash. 1,666,839; Apr. 17.
- Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Nonreversing means for pump heads. 1,663,226; Mar. 20.
- Wintroath, John A., assignor to Peerless Pump Company, Los Angeles, Calif. Oil-tube water seal. 1,677,262; July 17.
- Wintsch, Max T., assignor to The Lowell-Wintsch Automatic Train Control Corp., Lancaster, Pa. Automatic train-control apparatus. 1,685,894; Oct. 2.
- Wintzer, Rudolf, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Power plant. 1,673,476; June 12.
- Wintzer, Rudolf, Shorewood, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Compressor and scavenger for Diesel engines. 1,668,099; May 1.
- Wintzer, Rudolf, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Counterbalancing system for engines. 1,692,914; Nov. 27.
- Winzer, Charles B., Balham, London, England. Apparatus for carbonization. 1,678,687; July 31.
- Wire, Wesley M., Newberg, Oreg. Chain-pull double-socket lamp plug. 1,682,947; Sept. 4.
- Wirebound Patents Company. (See Bauwens, Seraphine F., assignor.)
- Wirebonds Patents Company. (See Ludlow, Edward H., assignor.)
- Wirebonds Patent Company. (See Steele, Roscoe, assignor.)
- Wirebonds Patents Company. (See Thompson, Osceola C., assignor.)
- Wirebonds Patents Company. (See Westin, Charles J., assignor.)
- Wired Radio, Inc. (See Crossley, A., and Rudolph, assignors.)
- Wired Radio, Inc. (See Crossley, Alfred, assignor.)
- Wired Radio, Inc. (See Culver, Charles A., assignor.)
- Wired Radio, Inc. (See Davis, Thomas M., assignor.)
- Wired Radio, Inc. (See Duncan, Robert D., jr., assignor.)
- Wired Radio, Inc. (See Duncan, R. D., jr., Isler, and Barone, assignors.)
- Wired Radio, Inc. (See Gebhard, Louis A., assignor.)
- Wired Radio, Inc. (See Hanson, Malcolm P., assignor.)
- Wired Radio, Inc. (See Hund, August, assignor.)
- Wired Radio, Inc. (See Mears, Joseph A., assignor.)
- Wired Radio Inc. (See Meyer, R. B., and Young, assignors.)
- Wired Radio, Inc. (See Mirick, Carlos B., assignor.)
- Wired Radio, Inc. (See Mirick, C. B., and Crossley, assignors.)
- Wired Radio, Inc. (See Nicolson, Alexander M., assignor.)
- Wired Radio, Inc. (See Owens, Raymond B., assignor.)
- Wired Radio, Inc. (See Ruhmer, Ernst, assignor.)
- Wired Radio, Inc. (See Taylor, A. H., and White, assignors.)
- Wired Radio, Inc. (See Taylor, Albert H., assignor.)
- Wired Radio, Inc. (See Trogner, A. M., and Davis, assignors.)
- Wired Radio, Inc. (See Trogner, Arthur M., assignor.)
- Wired Radio, Inc. (See Weiller, Paul G., assignor.)
- Wired Radio, Inc. (See Worrall, Robert H., assignor.)
- Wired Radio, Inc. (See Young, Leo C., assignor.)
- Wireless Specialty Apparatus Company. (See Hoyt, Reginald H., assignor.)
- Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
- Wireless Specialty Apparatus Company. (See Priess, William H., assignor.)
- Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)
- Wiremold Company, The. (See Frederickson, Otto A., assignor.)
- Wire Transmitting Corporation. (See Pearne, F. D., and Gotsch, assignors.)
- Wirfs, E. J., Organization, Inc. (See Wirfs, Edward J., jr., assignor.)
- Wirfs, Edward J., assignor to E. J. Wirfs Organization, Incorporated, St. Louis, Mo. Gasket. 1,683,941; Sept. 11.
- Wirfs, Edward J., jr., Glendale, assignor to E. J. Wirfs Organization, Inc., St. Louis, Mo. Gasket. 1,657,733; Jan. 31.
- Wirfs, Edward J., jr., Glendale, assignor to E. J. Wirfs Organization, Inc., St. Louis, Mo. Gasket. 1,683,942; Sept. 11.
- Wirfs, Edward J., jr., Glendale, assignor to E. J. Wirfs Organization, Inc., St. Louis, Mo. Gasket. 1,695,073; Dec. 11.
- Wirkkala, Oscar A., Deming, Wash. Choker-hook rigging. 1,675,778; July 3.
- Wirkkala, Oscar A., Deming, Wash. Bull hook. 1,685,473; Sept. 25.
- Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Selective change-speed mechanism with two reverse gears. 1,678,029; July 24.
- Wirt Company. (See Leopold, Robert P., assignor.)
- Wirt, Van A., Chicago, Ill., assignor to Visible Records Equipment Company. Loose-leaf binder. 1,663,430; Mar. 20.
- Wirt, Zebulon, Omaha, Nebr. Refrigerating apparatus. 1,694,156; Dec. 4.
- Wirth, Armin, Zurich, assignor to the firm August Sauter Waagenfabrik, Ebingen, Wurt, Switzerland. Precision beam balance. 1,674,937; June 26.
- Wirth, John, New York, N. Y. Combination ladder step and support. 1,658,753; Feb. 7.
- Wirth, Louis E., assignor to A. M. Hanauer, Pittsburgh, Pa. Mechanism for picking and separating cotton from foreign material. 1,670,674; May 22.
- Wirth, Max, Brooklyn, N. Y. Clothes-hanging device. 1,692,880; Nov. 27.
- Wirtz, Franklin H. (See Shaffer, G. A., and Wirtz.)
- Wirtz, Ernest, assignor to Aktiengesellschaft A. G. Brown Boveri & Cie., Baden, Switzerland. Electric furnace. 1,673,543; June 12.
- Wirtz, Ernst, A. Haller, and K. Kuntze, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Controller construction. 1,687,999; Oct. 16.
- Wisbauer, Howard, Buffalo, N. Y. Rope clip. 1,683,512; Sept. 4.
- Wisconsin Alumni Research Foundation. (See Steenbock, Harry, assignor.)
- Wisconsin Knife Works, Inc. (See Weaver, Frank R., assignor.)
- Wisdom, Clarence N., et al. (See Keefer, Sylvester A., assignor.)
- Wise, Allen S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,671,500; May 29.
- Wise, Allen S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Laundry machine. 1,675,398; July 3.

- Wise, Allen S., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Centering drive for washing machines. 1,686,718; Oct. 9.
- Wise, Allen S., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Wringer. 1,680,403; Aug. 14.
- Wise, Allen S., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Ironing machine. 1,686,058; Oct. 2.
- Wise, C. H., et al. (See Ewig, John M., assignor.)
- Wise, Charles E., Philadelphia, Pa. Locking valve for gas burners. 1,689,657; Oct. 30.
- Wise, Charles S., University City, Mo. Well screen. 1,674,384; June 19.
- Wise, Edmund M., Cincinnati, Ohio, assignor to Wadsworth Watch Case Company, Dayton, Ky. Making metal articles. 1,689,810; Oct. 30.
- Wise, Frederick, C., and W. Greenwood, London, England, assignors to Alfred Dunhill of London, Inc., New York, N. Y. Flint lighter. Re16,930; Apr. 10.
- Wise Furnace Company, The. (See Wise, Wilbert G., assignor.)
- Wise, George A., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa. Straightening machine. 1,688,480; Oct. 23.
- Wise, John T. (See Mitchell, L. W., and Wise.)
- Wise, Leslie M., McKeesport, Pa. Paint. 1,604,341; Mar. 27.
- Wise-McClung Corporation. (See Adams, Thomas O., assignor.)
- Wise-McClung Corporation. (See Wise, W. J., and Adams, assignors.)
- Wise, O. B. (See Day, James A., assignor.)
- Wise, Robert T., et al. (See Moore, Samuel, assignor.)
- Wise, Solomon, Cleveland, Ohio. Snubber. 1,689,903; Oct. 30.
- Wise, Solomon, Cincinnati, Ohio. Lock. 1,696,829; Dec. 25.
- Wise, Wilbert G., assignor to The Wise Furnace Company, Akron, Ohio. Furnace. 1,658,364; Feb. 7.
- Wise, William J., and T. O. Adams, assignors, by mesne assignments, to Wise-McClung Corporation, New Philadelphia, Ohio. Brush for vacuum cleaners. 1,663,365; Mar. 20.
- Wise, William J., and T. O. Adams, assignors, by mesne assignments, to Wise-McClung Corporation, New Philadelphia, Ohio. Switch plug. 1,689,511; Oct. 30.
- Wiseman, Albenus B., Grand Rapids, Mich. Electrical connector. 1,679,067; July 31.
- Wishart, Harold W. and W., assignors to Climax Engineering Company, Clinton, Iowa. Discharge valve. 1,660,588; Feb. 28.
- Wishart, John O., Milwaukee, Wis. Centrifugal casting machine. 1,690,354; Nov. 6.
- Wishart, William. (See Wishart, Harold W. and W.)
- Wishart, William, Clinton, Iowa, assignor to National Refrigeration Corporation, Beloit, Wis. Fluid compressor. 1,661,399; Mar. 6.
- Wishmeier, Charles H., near Indianapolis, assignor to Habig Manufacturing Company, Indianapolis, Ind. Two-way adjustable window. 1,691,559; Nov. 13.
- Wisner, Georges, Clichy, France. Lubrication of mechanism. 1,672,922; June 12.
- Wiss, J., & Sons Co. (See Rauh, Frederic H., assignor.)
- Wissman, William F., Hamilton, Ohio. Serving tray. 1,659,344; Feb. 14.
- Wissmar, Joseph. (See Ferree, M., and Wissmar.)
- Wiswell, Frederick G., deceased; M. G. Wiswell, administratrix, Seattle, Wash. Wire-gauging mechanism. 1,658,272; Feb. 7.
- Wiswell, Margaret G., administratrix. (See Wiswell, Frederick G.)
- Wiswell, Ozro N. (See Allen, S. E., and Wiswell.)
- Witbro, Alexander W. (See Cannard, W. H., and Witbro.)
- Witham, Carl A., Minneapolis, Minn. Bag of paper or other flexible material. 1,665,576; Apr. 10.
- Witham, George S., jr., Hudson Falls, N. Y. Moisture-controlling device. Re16,990; June 5.
- Witham, George S., jr., Hudson Falls, N. Y. Moisture-indicating and recording. Re17,049; July 24.
- Witham, George S., jr., Hudson Falls, N. Y. Paper-making machine. 1,662,226; Mar. 13.
- Witham, George S., jr., Hudson Falls, N. Y. Beating engine. 1,692,602; Nov. 20.
- Witham, George S., jr., Hudson Falls, N. Y. Apparatus for controlling the drying operation in paper machines. 1,694,849; Dec. 4.
- Witham, George S., sr., Hudson Falls, N. Y., assignor to Ramar Syndicate, Inc., Norfolk, Va. Wood-splitting machine. 1,691,102; Nov. 13.
- Witherell, Eugene R., and J. J. Clark, Framingham, Mass. Hobbyhorse. 1,675,399; July 3.
- Witherow, William P., assignor, by mesne assignments, to Colonial Trust Company, trustee, Pittsburgh, Pa. Making axle blanks. 1,656,846; Jan. 17.
- Witherow, William P., assignor, by mesne assignments, to Colonial Trust Company, trustee, Pittsburgh, Pa. Method and apparatus for die rolling. 1,656,847; Jan. 17.
- Witherow, William P., assignor, by mesne assignments, to Colonial Trust Company, trustee, Pittsburgh, Pa. Rolling mill. 1,657,331; Jan. 24.
- Witherow, William P., assignor, by mesne assignments, to Colonial Trust Company, trustee, Pittsburgh, Pa. Making ring-gear blanks. 1,670,758; May 22.
- Witherspoon, Lillian, San Francisco, Calif. Facial appliance. 1,668,794; May 8.
- Withrow, Leo C. (See Willis, O. D., and Withrow.)
- Withrow, Robert B. (See Sperti, G., Norris, Withrow, and Schneider.)
- Withrow, Samuel P., Cincinnati, Ohio. Elevator for underground garages. 1,660,465; Feb. 28.
- Withycombe, Robert M., Sydney, New South Wales, Australia. Manufacturing brushes. 1,665,152; Apr. 3.
- Withycombe, Robert M., Sydney, New South Wales, Australia. Fountain brush for automobiles. 1,665,153; Apr. 3.
- Withycombe, Robert M., Sydney, New South Wales, Australia. Support for yieldable dentures. 1,665,154; Apr. 3.
- Withycombe, Robert M., Sydney, New South Wales, Australia. Making rubber brushes. 1,678,545; July 24.
- Withycombe, Robert M., Sydney, New South Wales, Australia. Artificial denture. 1,696,068; Dec. 18.
- Witkus, William J., Maspeth, N. Y. Drawing device. 1,676,226; July 3.
- Witmer, Victor M., Milwaukee, Wis. Joist. 1,657,849; Jan. 31.
- Witmer, Victor M., Milwaukee, Wis. Machine for bending bars. 1,695,836; Dec. 18.
- Witt, Carl J., Sao Paulo, Brazil. Wall hook. 1,687,413; Oct. 9.
- Witt, Milton, Buffalo, N. Y. Vacuum cleaner. 1,689,811; Oct. 30.
- Witt, Murray, Brooklyn, N. Y. Ornament for automobile radiators or the like. Des. 75,669; June 26.
- Witt, Murray, Brooklyn, assignor, by mesne assignments, to Atlas Manufacturing Corporation, New York, N. Y. Sign for automobiles. 1,666,545; Apr. 17.
- Witt, Samuel E., Chicago, Ill. Loud-speaking receiver. 1,664,012; Mar. 27.
- Witroff, Edward, St. Louis, Mo. Hat. 1,678,859; June 19.
- Wittek, Herbert, Beuthen, Germany. Separating the neutral oils in tars, tar oils, and pitches from acid constituents. 1,674,710; June 26.
- Wittek, Hermann, Itzehoe-Sude Holstein, Germany, assignor to P. Stock, Elkhart, Ind. Extension table. 1,657,706; Jan. 31.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,661,743; Mar. 6.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture mechanism. 1,676,594; July 10.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Optical unit for cameras. 1,676,595; July 10.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Spring motor. 1,676,596; July 10.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Lens attachment for photographic apparatus. 1,688,370; Oct. 23.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Diaphragm-adjusting mechanism for cameras. 1,689,268; Oct. 30.
- Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing objective mount for cameras. 1,690,607; Nov. 6.
- Wittmann, Theodore. (See Fisher, John J., assignor.)
- Wittgenberg, Edward H., La Crosse, Wis. Bottle-cleaning brush. 1,680,713; Aug. 14.
- Wittgenberg, Lester, New Rochelle, N. Y., assignor to The Barrett Company. Spraying device. 1,658,320; Feb. 7.
- Witter, Claude A., Philadelphia, Pa. Making tire molds. 1,674,753; June 26.
- Witter, Lawrence O., administrator. (See Witter, Osborne R.)
- Witter, Lawrie L., Brookline, Mass. Wheeled figure toy. 1,659,306; Feb. 14.
- Witter, Osborne R., deceased, Swampscott, Mass.; L. O. Witter, administrator of said Osborne R. Witter. Window ventilator. 1,681,206; Aug. 21.
- Witter, Willis D. (See Epps, F. A., Boniface, and Witter.)
- Witter, Willis D., and J. A. Harte, Utica, N. Y., assignors, by mesne assignments, to American La France and Foamite Corporation. Motor fire apparatus. 1,694,574; Dec. 11.
- Withhaeger, August, Bristol, Conn. Elastic arm band and garter. 1,657,427; Jan. 24.
- Witliers, Nick. (See Dunkelberger, H. E., and Witters.)
- Wittig, Auguste, Eckernforde, Germany. Chamber pot. 1,677,223; July 17.
- Witkopp, Edwin E., assignor of forty per cent to J. S. Szarat, Chicago, Ill. Tire and rim construction. 1,658,623; Feb. 7.
- Witthiff, Theodore H., Cleveland, Ohio. Lifting jack. 1,658,586; Feb. 7.
- Witthiff, Theodore H., Cleveland, Ohio. Furniture brace and tensioning device. 1,687,189; Oct. 9.
- Wittlinger, Richard, Goppingen, Germany. Knife. 1,694,999; Dec. 11.
- Wittmaak, Harold S., Erie, Pa. Playing piece. 1,683,643; Sept. 11.
- Wittman, Hugo, Buffalo, N. Y. Building block and wall construction. 1,671,501; May 29.
- Wittman, John, Hamilton, Ohio. Drain cover. 1,659,307; Feb. 14.
- Wittmer, Russell J. (See Robinson, D., and Wittmer.)

- Wittstein, Herman L., New Haven, Conn. Pencil sharpener. Des. 74,336; Jan. 24.
- Witzel, Earl R., assignor to Kohler Company, Kohler, Wis. Large automatic generating plant. 1,661,208; Mar. 6.
- Witzel, Henry H., Mitchell, S. Dak. Automobile head lamp. 1,685,690; Sept. 25.
- Woberman, Theodore H., Whittier, Calif. Roller bit. 1,668,100; May 1.
- Wodtke, Gerhard. (See Schwarzkopf, E., and Wodtke.)
- Wodtke, Hans V., Buffalo, assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Electrical cable. 1,686,782; Oct. 9.
- Woerfel, Rudolph A., and H. Knopp, Sawyer, Wis. Anti-rattling device. 1,692,239; Nov. 20.
- Woerner, Leo, St. Louis, Mo. Furnace baffle. 1,674,080; June 19.
- Woeste, Louis B., assignor of one-half to W. A. Stephens, Cincinnati, Ohio. Myriad reflector. 1,662,554; Mar. 13.
- Woge, Conrad, New York, N. Y. Kit for sewing outfits or the like. 1,676,066; July 3.
- Wohl, David. (See Wohl, Jerome I., assignor.)
- Wohl, Jerome I., Chicago, Ill., assignor to D. Wohl, Gary, Ind. Combination container an de cooler. 1,681,076; Aug. 14.
- Wohler, Gustave F. W., St. Paul, Minn. Automobile radiator-cap ornament. Des. 74,207; Jan. 3.
- Wohlhieter, Joseph W., Irvington, N. J., assignor to Keystone Stamping Corporation. Mopstick head. 1,685,796; Oct. 2.
- Wojciechowski, Edward, Aberdeen, Wash. Universal bottle heater. 1,662,555; Mar. 13.
- Wojciechowski, Frank M., North Attleboro, assignor to Marathon Company, Attleboro, Mass. Vanity case. 1,688,301; Oct. 26.
- Wojnewski, Tytus J., Macomb, Ill., and J. Jachtyl, Kosciusko, Tex. Tubular saw. 1,669,273; May 8.
- Wojtasiewicz, Kazmer, Cleveland, Ohio. Comb-cleaning device. 1,668,580; May 8.
- Wolcott, Edson R., Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 1,654,771; Jan. 3.
- Wolcott, Edson R., Los Angeles, Calif., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Manufacture of hydrochloric acid. 1,691,452; Nov. 13.
- Wolcott, Frank E., Manufacturing Co., The. (See Frank, Hugo, assignor.)
- Wolcott, Frank E., Manufacturing Co., The. (See Wolcott, Frank E., assignor.)
- Wolcott, Frank E., West Hartford, Conn., assignor to The Frank E. Wolcott Manufacturing Co. Electrical heater. Des. 74,996; Apr. 24.
- Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Beardsley & Wolcott Mfg. Co. Heating appliance. 1,681,142; Aug. 14.
- Wolcott, Irving L., and W. H. Grant, Cleveland, Ohio; said Grant assignor to said Wolcott. Pressure gauge. 1,692,860; Nov. 20.
- Woldert, Alex, Company. (See Gradick, Wiley N., assignor.)
- Woldt, Henry, Brillion, Wis. Hand truck. 1,679,107; July 31.
- Wolf, Albert, et al. (See Wolf, Howard A., assignor.)
- Wolf, Benjamin, et al. (See Wolf, Howard A., assignor.)
- Wolf Brothers. (See Wolf, Howard A., assignor.)
- Wolf, Clarence, et al. (See Wolf, Howard A., assignor.)
- Wolf Company, The. (See Stoner, Charles M., assignor.)
- Wolf, Donald L., and R. G. Keil, Denison, Iowa. Radio central-station system. 1,658,825; Feb. 14.
- Wolf, Edgar A. (See McDonald, Harry W. and C., Wolf, and Stanek.)
- Wolf, Edwin, et al. (See Wolf, Howard A., assignor.)
- Wolf, Elias, et al. (See Wolf, Howard A., assignor.)
- Wolf, Frank, New York, N. Y. Arch support. 1,687,916; Oct. 16.
- Wolf, Frank F., assignor to Onkes & Burger Co., Cataugaus, N. Y. Nozzle. 1,670,675; May 22.
- Wolf, Franz, New York, N. Y. Marking or cutting device. 1,666,479; Apr. 17.
- Wolf, George, G. m. b. H. (See Loock, Günther, assignor.)
- Wolf, Howard, et al. (See Wolf, Howard A., assignor.)
- Wolf, Howard A., Elkins Park, assignor to E., B., C., L., and A. Wolf, copartners trading and doing business as Wolf Brothers, Philadelphia, Pa. Envelope. 1,675,011; June 26.
- Wolf, Howard A., Elkins Park, assignor to E., B., C., L., and A. Wolf, Philadelphia, Pa., copartners trading as Wolf Brothers. Envelope and separable handle therefor. 1,675,439; July 3.
- Wolf, Howard A., Elkins Park, assignor, by mesne assignments, to H., B., E., L., and A. Wolf, copartners, doing business as Wolf Brothers, Philadelphia, Pa. Paper bag. 1,695,568; Dec. 18.
- Wolf, Jacques, Basel, Switzerland. Shutter mechanism for photographic apparatus. 1,694,113; Dec. 4.
- Woli, James N., Burgettstown, Pa. Safety guard. 1,670,946; May 22.
- Wolf, John, Chicago, Ill., assignor, by mesne assignments, of one-half to Latham Machinery Company and one-half to F. J. Greene, Racine, Wis. Stitching machine. 1,692,017; Nov. 20.
- Wolf, John, and E. Leschhorn, Chicago, Ill., assignors to Latham Machinery Company. Stitching machine. 1,692,016; Nov. 20.
- Wolf, John M., Devils Lake, N. Dak. Hay-baling device. 1,691,865; Nov. 13.
- Wolf, Leonard P., Burlington, Wis. Sectional harrow. 1,689,759; Oct. 30.
- Wolf, Louis, et al. (See Wolf, Howard A., assignor.)
- Wolf, Morris J. (See Fletcher, Howard C., assignor.)
- Wolf, Oswald P. E., and B. Hewitt, Matheson, Ontario, Canada. Rope-climbing apparatus. 1,668,182; May 1.
- Wolf, Otto R., River Forest, assignor to The Tribune Company, Chicago, Ill. Printing press. 1,661,209; Mar. 6.
- Wolf, Paul C., Elmhurst, N. Y. Roof shingle. 1,659,903; Feb. 21.
- Wolf, Philippe, Paris, France. Washing apparatus for coals. 1,666,189; Apr. 17.
- Wolf, Philippe, Paris, France. Washing apparatus for coals. 1,682,820; Sept. 4.
- Wolf, Robert E., Chicago, Ill. Control knob and indicator. 1,692,605; Nov. 20.
- Wolf Safety Lamp Co. of America, Inc. (See Anglada, Domingo, assignor.)
- Wolf, Thomas, Union City, N. J. Reclining couch. 1,683,513; Sept. 4.
- Wolf, Walter F., New York, N. Y. Combined bookholder and pocketbook. Des. 75,202; May 22.
- Wolf, Walter F., New York, N. Y. Loose-leaf binder. 1,695,220; Dec. 11.
- Wolfe, Archie R., Summit, N. J. Radio or radiophone receiving-set demonstrator. 1,663,743; Mar. 27.
- Wolfe, Archie R., Summit, N. J. Multipole multibranch electric switch. 1,692,065; Nov. 20.
- Wolfe, Arthur W., assignor of one-half to The Diamond Ray Light Company, Chicago, Ill. Projecting apparatus. 1,667,278; Apr. 24.
- Wolfe, Charles H., and E. E., Los Angeles, Calif. Garment-pattern-drafting square. 1,663,895; Mar. 27.
- Wolfe, Clinton L., and J. A. Faurot, New York, N. Y. Speak-hole fixture. 1,671,690; May 29.
- Wolfe, Clinton L., Brooklyn, and J. A. Faurot, New York, N. Y. Automatic door closing and locking device. 1,690,264; Nov. 6.
- Wolfe, Ethel E. (See Wolfe, Charles H. and E. E.)
- Wolfe, Frank, et al. (See McMurtrie, W. B., and Gover, assignors.)
- Wolfe, F. W. (See Heymann, Bruno, assignor.)
- Wolfe, George N., assignor to Sidway-Topliff Company, Washington, Pa. Frame for a velocipede. Des. 76,511; Oct. 2.
- Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Transition car coupling. 1,661,246; Mar. 6.
- Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Draft connection for car couplings. 1,679,801; Aug. 7.
- Wolfe, Joel B., Fruitland, Wash. Stringed-instrument player. 1,691,506; Nov. 13.
- Wolfe, Otto L., San Francisco, Calif. Rotary chair. 1,695,725; Dec. 18.
- Wolfe, Walter G., trustee. (See Wolfe, W. G., and Bell, assignors.)
- Wolfe, Walter G. (See Bell, L., and Wolfe.)
- Wolfe, Walter G., Greenwood, and L. Bell, West Newton; said Bell assignor to W. G. Wolfe, trustee, Greenwood, Mass. Method of and apparatus for separating certain rays. 1,657,776; Jan. 31.
- Wolfe, Warren, E., Los Angeles, Calif. Building. Des. 77,141; Dec. 4.
- Wolfe, William, Ebensburg, Pa. Mouthpiece for horns. 1,666,228; Apr. 17.
- Wolfe, William, Alsace Township, assignor of one-half to F. W. Shipe, Temple, Pa. Folding paper box. 1,672,183; June 5.
- Wolfe, Wallace V., Glen Ridge, assignor to Western Electric Company, Incorporated, New York, N. Y. Power-line signaling. 1,678,133; July 24.
- Wolfer, Paul C., Wellesley, Mass. Last. 1,688,065; Oct. 16.
- Wolfer, Paul C., Everett, Mass. Making boots and shoes. 1,693,535; Nov. 27.
- Wolfermann, Carl E., New York, N. Y. Collapsible seat. 1,656,931; Jan. 24.
- Wolff, Aaron H., New York, N. Y. Gas heater. 1,686,358; Oct. 2.
- Wolff, Carl H., assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic switch mechanism. 1,663,325; Mar. 20.
- Wolff, Carl H., assignor, to Wagner Electric Corporation, St. Louis, Mo. Short-circuiting mechanism. 1,695,789; Dec. 18.
- Wolff, Frederick W. J., San Francisco, Calif. Hat guard. 1,685,263; Sept. 25.
- Wolff, Friedrich, Berlin, Germany. Safety device for gas plants. 1,669,317; May 8.
- Wolff, Friedrich, Berlin, Germany. Regulating device for gas and air mixing plants, gas-delivery plants, and the like. 1,675,966; July 3.
- Wolff, George F., assignor to Sager Metal Weather Strip Co., Chicago, Ill. Metal weather strip. 1,674,754; June 26.
- Wolff, George F., assignor to Sager Metal Weatherstrip Co., Chicago, Ill. Metal weather strip. 1,674,755; June 26.
- Wolff, Gustav. (See Rudolph, W., and Wolff.)
- Wolff, Hans. (See Henkel, E., and Wolff.)

- Wolff, Hans, F. Koref, and F. Skaupy, Berlin, Germany, assignors to General Electric Company. Electric incandescent lamp. 1,655,488; Jan. 10.
- Wolff, Harry S., New Rochelle, N. Y. Stocking. Des. 76,171; Aug. 21.
- Wolff, Herbert, Polzig, assignor to Progress Gesellschaft für Textilmaschinen mit beschränkter Haftung, Nuremberg, Germany. Crank-shaft mechanism for the slay of looms. 1,678,233; July 24.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 74,768; Mar. 20.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 74,769; Mar. 20.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 76,652; Oct. 16.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 76,653; Oct. 16.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 76,844; Nov. 6.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radiocabinet. Des. 77,211; Dec. 11.
- Wolff, Max, Coney Island, N. Y. Confection-making machine. 1,687,702; Oct. 16.
- Wolff, Norman, New York, N. Y. Stocking. Des. 75,397; May 29.
- Wolff, Oscar M., Chicago, Ill. Meat cooker. 1,687,415; Oct. 9.
- Wolff, Wallace B., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,674,385; June 19.
- Wolff, Walther, Copenick, Berlin, Germany, assignor to General Electric Company. Method and apparatus for testing telephone circuits. 1,695,000; Dec. 11.
- Wolfram, Arthur, and H. Greune, Höchst-on-the-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Bz-methyl benzantrones and preparing the same. 1,695,622; Dec. 18.
- Wolfson, Jones J., Flint, Mich. Vehicle tire. 1,654,567; Jan. 3.
- Wolfson, Sidney L., assignor to The Cuno Engineering Corporation, Meriden, Conn. Electric lighter for cigars, cigarettes, etc. 1,686,546; Apr. 17.
- Wolkowich, Natalie, Worcester, Mass. Strainer. 1,694,088; Dec. 4.
- Wolke, Joseph A., Philadelphia, Pa., assignor to Union Bag and Paper Corporation, New York, N. Y. Method of and apparatus for making curled wire. 1,689,093; Oct. 23.
- Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Photographic shutter. 1,663,326; Mar. 20.
- Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Lens mount. 1,687,818; Oct. 16.
- Wollensak, Arthur C., A. Jacobs, and P. C. Baldus, assignors to Sterling Motor Truck Company, Milwaukee, Wis. Brake. 1,676,761; July 10.
- Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
- Wollenweber, Paul F., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Ignition device. 1,669,888; May 15.
- Wollheim, Seidner & Hitzgrath, Inc. (See Vetterling, Franz, assignor.)
- Wollheim, Walter E. (See Morse, A. W., and Wollheim.)
- Wollin, Karl, Berlin-Charlottenburg, and E. Smolczyk, Biesdorf-Süd, near Berlin, Germany. Device for indicating admixtures to gases and liquids. 1,676,125; July 3.
- Wollman, Harry P., Washington, D. C. Air compressor. 1,677,539; July 17.
- Wolman, Karl H., Berlin-Grunewald, Germany. Wood-preserving composition. 1,656,804; Jan. 17.
- Wolock, Morris, Chicago, Ill. Shoe box. Des. 75,891; July 24.
- Wolochojian, Harry J., Providence, R. I. Handle protector. 1,662,994; Mar. 20.
- Wolpert, Robert B., Minneapolis, Minn. Billiard cue. 1,688,911; Oct. 23.
- Wolski, Paul. (See Jantsch, G., and Wolski.)
- Wolstenholme, Frederick S., Richmond, Va. Bulletin board. 1,667,091; Apr. 24.
- Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lamp standard. Des. 75,890; July 24.
- Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lighting fixture. Des. 76,172; Aug. 21.
- Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lighting fixture. Des. 76,173; Aug. 21.
- Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lamp. Des. 76,276; Sept. 4.
- Wolters, Carl F., Marietta, Ohio, assignor, by mesne assignments, to Remington Rand Inc., New York, N. Y. Drawer support for articles of furniture. 1,686,783; Oct. 9.
- Wolters, Eric E. (See Brainard, G. C., Fitch, and Wolters.)
- Wolters, Gustav O., Villigst, near Schwerte, Germany. Regenerative coke oven. 1,690,805; Nov. 6.
- Woltjes, William F. J., Long Beach, Calif. Combination tent construction. 1,673,657; June 12.
- Woltz, Albert M. (See Holmes, W. T., Woltz, and Reymann.)
- Woltz, Albert M., Baltimore, Md., assignor, by mesne assignments, to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Shelving structure. 1,671,176; May 29.
- Woltz, Albert M., Baltimore, Md., assignor, by mesne assignments, to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Shelf support. 1,673,384; June 12.
- Woltz, Albert M., Baltimore, Md., assignor, by mesne assignments, to Grand Rapids Store Equipment Corporation, Grand Rapids, Mich. Division-board support. 1,676,373; July 10.
- Wolverine Bumper & Specialty Company. (See Hammond, Milton B., assignor.)
- Wolverine Trailer Corporation. (See Byron, Orra E., assignor.)
- Wolverton, Clair C., Indianapolis, Ind. Buckle. 1,662,840; Mar. 20.
- Wömpner, Fritz, Geroldsdgrun, near Nuremberg, assignor to the firm A. W. Faber, Stein, near Nuremberg, Germany. Magnifying device for slide rules. 1,667,449; Apr. 24.
- Wondolowski, Julius, New York, N. Y. Radio loud speaker. Des. 74,208; Jan. 3.
- Wonders, Clara J., et al. (See Farmer, John F., assignor.)
- Wonders, William, et al. (See Farmer, John F., assignor.)
- Wood, A. J. (See Daniels, M., and Wood.)
- Wood, Albert B., New Orleans, La. Centrifugal pump. 1,654,907; Jan. 3.
- Wood, Alexander P., Schenectady, assignor of two-sevenths to V. W. Appel, New York, N. Y. Collapsible tube. 1,666,402; Apr. 17.
- Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Stator construction for dynamo-electric machines. 1,669,113; May 8.
- Wood, Alfred P., assignor of forty-nine one-hundredths to F. L. Murray, Minneapolis, Minn. Storage battery. 1,687,416; Oct. 9.
- Wood, Andrew C., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Mileage-period-indicating odometer and reset means. 1,658,069; Feb. 7.
- Wood, Andrew C., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Limited-range spotlight. 1,691,420; Nov. 13.
- Wood, Andrew T., San Francisco, Calif. Clothespin. 1,684,721; Sept. 18.
- Wood, Basil, Manchester, England. Collar stud. 1,662,483; Mar. 13.
- Wood, Benjamin, New York, N. Y. Bottle-sealing device. 1,664,147; Mar. 27.
- Wood, Campbell. (See Blackmore, Lloyd, assignor.)
- Wood, Campbell, Detroit, Mich. Display device. 1,670,702; May 22.
- Wood, Cecil W., Hedgesville, W. Va. Fruit gatherer. 1,680,925; Aug. 14.
- Wood, Centa, Atlantic City, N. J. Medical irrigation apparatus. 1,658,754; Feb. 7.
- Wood, Charles A., Clay Center, Kans. Mold. 1,695,001; Dec. 11.
- Wood, Charles D., Walnut Park, assignor to Los Angeles, Chemical Company, Los Angeles, Calif. Making calcium polysulphide. 1,685,895; Oct. 2.
- Wood, Charles N. and W. E., Sacramento, Calif. Beet topper. 1,666,636; Apr. 17.
- Wood Conversion Company. (See Davis, Edwin W., assignor.)
- Wood Conversion Company. (See Weiss, Howard F., assignor.)
- Wood Conversion Company. (See Ziska, Adam, jr., assignor.)
- Wood, De Witt D. (See Schirmer, C. W., and Wood.)
- Wood, Edward K., Wilmington, Calif., assignor to W. Melville, Washington, D. C. Amusement apparatus. 1,656,805; Jan. 17.
- Wood, Edward L. (See Wood, George B., assignor.)
- Wood, Edward L., Detroit, Mich. Dumping-body hoist. 1,680,834; Aug. 14.
- Wood, Ernest B., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Direct humidity recorder. 1,689,313; Oct. 30.
- Wood, Frank H., and F. C. Barnard, Ithaca, N. Y. Engine. 1,696,071; Dec. 18.
- Wood, Frank S., and H. P., Boston, Mass. Electric refrigerator. 1,673,860; June 19.
- Wood, Frank T., Brookline, Mass., assignor to American Bank Note Company, New York, N. Y. Check book. 1,670,396; May 22.
- Wood, Frank W., Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Electrical order telegraph instrument. 1,659,180; Feb. 14.
- Wood, Franz J., Des Moines, Iowa. Water-heater attachment for furnaces. 1,665,520; Apr. 10.
- Wood, Franz J., Des Moines, Iowa. Thrashing machine. 1,682,207; Aug. 28.
- Wood, Frederick H., Chicago, Ill. Lock and seal for screws. 1,677,607; July 17.
- Wood, Frederick H., assignor to L. B. Wood, Chicago, Ill. Circulating air past the heating surfaces of warm air furnaces for heating buildings which provides fresh air and ventilation. 1,695,262; Dec. 11.
- Wood, Frederick P., assignor to Simplex Paper Corporation, Adrian, Mich. Fiber board and making the same. 1,689,812; Oct. 30.

- Wood, Frederick W. (See Bent, Q., Barnhart, and Wood.)
- Wood, George, Seattle, Wash., assignor, by mesne assignments, to The Gerrard Company, Inc., San Francisco, Calif. Box-strapping tool. 1,689,904; Oct. 30.
- Wood, George B., assignor of one-half to E. L. Wood, Detroit, Mich. Can or similar receptacle. Des. 74,464; Feb. 14.
- Wood, Glendon T., Philadelphia, Pa. Carton. 1,683,116; Sept. 4.
- Wood, Harold P. (See Wood, Frank S., and H. P.)
- Wood, Harrie P., Leonia, N. J. Wrapper-pasting device. 1,661,210; Mar. 6.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding roll for paper-folding machines. 1,668,135; May 1.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Casting printing plates without risers. 1,673,857; June 19.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for casting stereotype plates without risers. 1,673,858; June 19.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-roll-changing plant. 1,678,894; July 31.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Throw-out mechanism for printing-press delivery. 1,678,895; July 31.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Knife box for cutting cylinders. 1,678,896; July 31.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Core for stereotype-plate-casting boxes. 1,682,160; Aug. 28.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotyping plant. 1,682,161; Aug. 28.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder. 1,684,901; Sept. 18.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Cooler for stereotype printing plates. 1,686,784; Oct. 9.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic multiple plate-casting machine. 1,687,414; Oct. 9.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Device for preventing smutting of printed products. 1,689,708; Oct. 30.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folding and cutting couple for folding machines. 1,694,300; Dec. 4.
- Wood, Howard P. (See Schirmer, C. W., and Wood.)
- Wood, Hugh C., San Francisco, Calif. Drilling machine. 1,667,022; Apr. 24.
- Wood Hydraulic Hoist & Body Company. (See Barrett, Edward R., assignor.)
- Wood, J. W., Elastic Web Company. (See Wilson, Henry W., assignor.)
- Wood, James A., Toledo, Ohio, assignor to Lique-Gas Company, Erie, Pa. Burner. 1,696,069; Dec. 18.
- Wood, James A., Toledo, Ohio, assignor to Lique-Gas Company, Erie, Pa. Valve. 1,696,070; Dec. 18.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Refrigerating machine. 1,665,871; Apr. 10.
- Wood, James P., Bastrop, Tex. Attachment for pivot polishers. 1,667,231; Apr. 24.
- Wood, James P., Bastrop, Tex. Pivot polisher. 1,667,232; Apr. 24.
- Wood, John, Manufacturing Company. (See Winter, Joseph W., assignor.)
- Wood, John H. P., Albany, N. Y. Automatic temperature regulator. 1,695,309; Dec. 18.
- Wood, John M. (See Foulitz, W. T., and Wood.)
- Wood, John M., Pawtucket, assignor to Franklin Process Company, Providence, R. I. Dyeing machine. 1,659,967; Feb. 21.
- Wood, John P. N., East Winterhaven, Fla. Fire-pot mold. 1,665,650; Apr. 10.
- Wood, John R., Hatboro, Pa., assignor to New Process Multi-Castings Company, Newark, N. J. Mold-making machine. 1,672,047; June 5.
- Wood, John R., Hatboro, Pa., assignor to New Process Multi-Castings Company, Newark, N. J. Mold-making machine. 1,672,048; June 5.
- Wood, John R., Hatboro, Pa., assignor to New Process Multi-Castings Company, Newark, N. J. Mold shell. 1,676,199; July 3.
- Wood, John R., Hatboro, Pa., assignor to New Process Multi-Castings Company, Newark, N. J. Pouring shell for pipe molds. 1,676,200; July 3.
- Wood, John R., Hatboro, Pa., assignor to The New Process Multi-Castings Company Incorporated, Newark, N. J. Molding machine. 1,676,201; July 3.
- Wood, John W., Christchurch, New Zealand. Direction indicator for motor cars and other vehicles. 1,664,148; Mar. 27.
- Wood, Jonathan T., Chatham, Ontario, Canada. Instep-arch support. 1,696,786; Dec. 25.
- Wood, Joseph D., Wollaston, assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Protective apparatus and system. 1,696,289; Dec. 25.
- Wood, Joseph E., assignor of one-half to W. A. Scott, Chicago, Ill. Vehicle spring construction. 1,659,798; Feb. 21.
- Wood, Larry, Calgary, Alberta, Canada. Eyeshade. 1,659,229; Feb. 14.
- Wood, Lettie B. (See Wood, Frederick H., assignor.)
- Wood, Makinley G., Denver, Colo. Two-cycle internal-combustion engine. 1,658,698; Feb. 7.
- Wood, Manton A. (See Hotz, John P., assignor.)
- Wood, Marshall C., Cortland, and G. B. French, Truxton, N. Y. Table top. Des. 75,538; June 12.
- Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)
- Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
- Wood, Orval R., Seattle, Wash. Carrying case and portfolio. 1,689,416; Oct. 30.
- Wood, Peirce M. (See Merseles, H. R., and Wood.)
- Wood, Robert T., Niagara Falls, N. Y., assignor to American Magnesium Corporation. Magnesium primary cell. 1,696,873; Dec. 25.
- Wood, Robert W., Appleton, Wis. Exerciser. 1,686,890; Oct. 9.
- Wood, Rodney J., Dayton, Ohio. Filing cabinet. 1,685,011; Sept. 18.
- Wood, Sidney C., Brooklyn, assignor of one-half to Wallace E. J. Collins, Huntington, Long Island, N. Y. Sanitary syringe nozzle. 1,676,308; July 10.
- Wood, Stanley O., assignor to The Kenova Box Company, Kenova, W. Va. Crate. 1,692,915; Nov. 27.
- Wood, Strand K., Hutchinson, Kans. Car-identifying means. 1,671,392; May 29.
- Wood, Straud K., Hutchinson, Kans. Combined hasp and seal for box cars. 1,663,068; Mar. 20.
- Wood, T. J., et al. (See Beck, Matthias A., assignor.)
- Wood, Teresa M., Spokane, Wash. Combined folding cupboard and transporting chest. 1,655,884; Jan. 10.
- Wood, Truman K., Los Angeles, Calif. Cigarette-butt extinguisher. 1,659,756; Feb. 21.
- Wood, Vera L., et al., trustees. (See Coppus, Frans H. C., May 15.)
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Pulverized-fuel burner. 1,676,511; July 10.
- Wood, Wilfred R., London, England, assignor to International Combustion Engineering Corporation, New York, N. Y. Fuel-pulverizing system. 1,686,719; Oct. 9.
- Wood, William D., San Francisco, Calif. Switching device. 1,679,109; July 31.
- Wood, William E. (See Wood, Charles N. and W. E.)
- Wood, William G., assignor to American Woodlite Corporation, San Francisco, Calif. Headlight control. 1,660,699; Feb. 28.
- Wood, William G., assignor to American Woodlite Corporation, San Francisco, Calif. Condensing reflector. 1,679,108; July 31.
- Wood, William H., South Euclid, Ohio. Manufacture of headlights. Re17,155; Dec. 4.
- Wood, William H., South Euclid, Ohio. Manufacture of headlights. 1,668,706; May 8.
- Wood, William H., South Euclid, Ohio. Automobile lamp. 1,678,092; July 24.
- Wood, William H., South Euclid, Ohio. Vehicle headlight. 1,678,093; July 24.
- Wood, William H., South Euclid, Ohio. Vehicle headlight. 1,686,543; Oct. 9.
- Wood, William H., South Euclid, Ohio. Respirator. 1,686,592; Oct. 9.
- Wood, William H., South Euclid, Ohio. Vehicle headlight. 1,686,593; Oct. 9.
- Woodall-Duckham (1920) Limited. (See Krall, Reginald F., assignor.)
- Woodall-Duckham (1920) Limited. (See Reber, James W., assignor.)
- Woodard, Rufus T., Oakland, Calif. Cement mantel. Re17,060; Aug. 7.
- Woodard, William E., Forest Hills, N. Y. Locomotive rod mechanism. 1,662,595; Mar. 13.
- Woodard, William E., Forest Hills, N. Y. Locomotive. 1,662,841; Mar. 20.
- Woodard, William E., Forest Hills, N. Y. Locomotive equalizing mechanism. 1,663,227; Mar. 20.
- Woodard, William E., Forest Hills, N. Y. Locomotive auxiliary cylinder-port arrangement. 1,676,067; July 3.
- Woodard, William E., Forest Hills, N. Y. Locomotive. 1,683,750; Sept. 11.
- Woodbridge, Joseph L., Philadelphia, Pa. Separator for the electrodes of electrolytic cells. 1,666,762; Apr. 17.
- Woodbridge Joseph L., Philadelphia, Pa. Storage battery. 1,691,794; Nov. 13.
- Woodbury, Robert W., assignor to Lucey Manufacturing Corporation of Tennessee, Chattanooga, Tenn. Hoisting drum. 1,690,151; Nov. 6.
- Woodcock, Reginald B. (See Gouldbourn, J., and Woodcock.)
- Woodcock, Reginald B. (See Ricks, F., and Woodcock.)
- Woodcock, Reginald B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,689,846; Oct. 30.
- Woodcock, Roy B., Winnipeg, Manitoba, Canada. Mixing and supercharging device for internal-combustion engines. 1,657,055; Jan. 24.

- Woodcraft Company, The. (See Allemeier, Henry, assignor.)
- Woodford, Frank E., Chicago, Ill. Regulating traffic. 1,659,904; Feb. 21.
- Woodford, Gregory S., Los Angeles, Calif. Cylinder-forming machine. 1,658,543; Feb. 7.
- Woodford, Joe C., Oskaloosa, Iowa. Apparatus for supplying air under pressure. 1,664,719; Apr. 3.
- Woodford, Joe C., Oskaloosa, Iowa, assignor of one-half to V. D. Barker, Oak Park, Ill. Apparatus for supplying air under pressure. 1,655,003; Jan. 3.
- Woodhead, Harry, and C. W. Storer, Cleveland, Ohio. Hollow bracing unit. 1,666,278; Apr. 17.
- Woodhead, Horace G., assignor to B. F. Gump Co., Chicago, Ill. Cereal-cutting machine. 1,688,770; Oct. 23.
- Woodhead, Robert, Hopewell, Va., assignor to V. D. Simons, Chicago, Ill. Cooking wood chips by the alkaline process of pulp manufacture. 1,687,076; Oct. 9.
- Woodhouse, George, Butte, Mont. Visible index system. 1,680,355; Aug. 14.
- Woodhull, Llewellyn S. (See Evans, B. V., and Woodhull.)
- Woodhull, Samuel T., Winchester, assignor to The Amrad Corporation, Medford, Mass. Electrolytic cell. 1,695,989; Dec. 18.
- Woodin, Ernest C., Chicago, Ill. Internal-combustion engine. 1,672,594; June 5.
- Woodin, William H., Jr., Plainfield, N. J. Combination sink unit. 1,676,717; July 10.
- Wooding, Benjamin F., Montclair, N. J. Automatic train-control system. 1,679,390; Aug. 7.
- Woodings, Emanuel, Oakmont, assignor to Woodings Forge & Tool Company, Verona, Pa. Rail anchor. 1,667,407; Apr. 24.
- Woodings Forge & Tool Company. (See Woodings, Emanuel, assignor.)
- Woodley, Reuben G., Shamrock, Tex. Washing device. 1,675,012; June 26.
- Woodley, William T., Raleigh, N. C. Umbrella. 1,693,536; Nov. 27.
- Woodling, Miner D., Kansas City, Mo. Vehicle washing tank. 1,694,197; Dec. 4.
- Woodman, Leo K. (See Smith, John O., assignor.)
- Woodman, Mark G., assignor of one-third to D. G. Fisher and one-third to V. F. Shantz, Chicago, Ill. Manufacture of iron. 1,677,420; July 17.
- Woodman, Walter S., Stoke-on-Trent, England, assignor to Meakin & Ridgway, Inc., New York, N. Y. Plate or similar article. Des. 74,465; Feb. 14.
- Woodman, Walter S., Macclesfield, England, assignor to Meakin & Ridgway, Inc., New York, N. Y. Plate or similar article. Des. 75,759; July 10.
- Woodmansee, Clay G., Los Angeles, Calif. Orifice valve. 1,662,374; Mar. 18.
- Woodrow, Oliver B., Newton, assignor to Woodrow Washing Machine Company, Pella, Iowa. Caster-locking device. 1,658,273; Feb. 7.
- Woodrow, Oliver B., Newton, assignor to Woodrow Washing Machine Company, Pella, Iowa. Gearing mechanism for washing machines. 1,658,274; Feb. 7.
- Woodrow Washing Machine Company. (See Woodrow, Oliver B., assignor.)
- Woodruff, Asa A., Philadelphia, Pa. Ejector. 1,692,916; Nov. 27.
- Woodruff, Charles W., Columbus, Ohio. Thermoelectric generator. 1,664,720; Apr. 3.
- Woodruff, Charles W., Columbus, Ohio. Removing static. 1,686,998; Oct. 9.
- Woodruff & Edwards Co. (See Klopstein, Ernest, assignor.)
- Woodruff, Henry S., Schenectady, N. Y. Smoothing iron. 1,678,310; July 24.
- Woodruff, John C., G. Park, and W. J. Bannister, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Catalyst for synthetic methanol production. 1,695,447; Dec. 18.
- Woodruff, Joseph W., Elizabeth, N. J. Pump. 1,689,269; Oct. 30.
- Woodruff, Joseph W., Elizabeth, N. J. Pump. 1,689,270; Oct. 30.
- Woodruff, L. D., et al. (See Moore, Clifton E., assignor.)
- Woodruff, Shelley G., Inglewood, Calif. Rotary disk eccentric bit. 1,681,651; Aug. 21.
- Woodruff, W. Warren, Swarthmore, Pa. Protective device. 1,666,923; Apr. 24.
- Woods, Arthur R. T., London, England. Apparatus for launching, lowering, and raising boats. 1,678,928; July 31.
- Woods Brothers Construction Co. (See Howard, Marshall, assignor.)
- Woods Brothers Corporation. (See Pringle, Wayne, assignor.)
- Woods, Charles L., Alton, Ill. Boat. 1,683,276; Sept. 4.
- Woods, Floyd F. (See Weiner, E. M. R., and Woods.)
- Woods, Frank C., Cleveland, Ohio. Gaff hook. 1,686,889; Oct. 9.
- Woods, Frank E. (See Baldwin, E. F., and Woods.)
- Woods, John E., Brookline, assignor to Clifford Manufacturing Co., Boston, Mass. Water control. 1,680,235; Aug. 7.
- Woods, Lella P., administratrix. (See Woods, Norman E.)
- Woods, Leonard, St. Louis, Mo. Garment supporter. 1,661,590; Mar. 6.
- Woods, Leonard G., Pittsburgh, Pa. Road strip. 1,666,612; Apr. 17.
- Woods, Leonard G., Pittsburgh, Pa. Road strip. 1,666,613; Apr. 17.
- Woods, Leonard G., Pittsburgh, Pa. Junction for metal bars. 1,666,614; Apr. 17.
- Woods, Norman E., deceased, Paterson, N. J.; L. P. Woods, administratrix. Motor. 1,684,210; Sept. 11.
- Woods, Oliver E. C., Toronto, Ontario, Canada. Oil-burning heater. 1,683,644; Sept. 11.
- Woods, R. M. (See Richeson, Sanford E., assignor.)
- Woods, Sophie L. (See Crawford, George S., assignor.)
- Woods, Sophie L. (See Perry, Hubert M., assignor.)
- Woods, Walter T., assignor to U. S. Tool Company, Long Beach, Calif. Mounting for cutters of rotary well-drilling disk bits. 1,684,462; Sept. 18.
- Woods, William J., assignor to Corning Glass Works, Corning, N. Y. Method of and apparatus for making tubing. 1,670,947; May 22.
- Woods, William P., assignor to James R. McWane, Birmingham, Ala. Metal bending and straightening machine. 1,659,181; Feb. 14.
- Woodsome, John O., Newton, Mass. Double-wall Venturi steam fitting. 1,662,095; Mar. 13.
- Woodsome, Millard, assignor of fifty-one one-hundredths to J. D. Canary, Littleton, Colo. Vaporizer for internal-combustion engines. 1,663,931; Mar. 27.
- Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermostatic control device. 1,662,556; Mar. 13.
- Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace-control system. 1,673,544; June 12.
- Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,677,313; July 17.
- Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,686,059; Oct. 2.
- Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Tubular heater and making the same. 1,667,879; May 1.
- Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Heating unit. 1,680,404; Aug. 14.
- Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,691,365; Nov. 13.
- Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Incased heating unit. 1,693,421; Nov. 27.
- Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,695,874; Dec. 18.
- Woodson, William C., Jr., Brooklyn, N. Y. Method of and apparatus for checking the connections of watt-hour meters to the instrument transformers and to the line. 1,670,792; May 22.
- Woodstock Typewriter Company. (See Hokanson, Otto A., assignor.)
- Woodstock Typewriter Company. (See Youngberg, Conrad D., assignor.)
- Woodward, Arthur A., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Lubrication of single-sleeve engines. 1,684,463; Sept. 18.
- Woodward, Arthur A., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Sleeve-principle engine lubrication. 1,686,720; Oct. 9.
- Woodward & Cochey Manufacturing Company. (See Strout, Lester B., assignor.)
- Woodward, George, Newark, N. J. Wire-gripping mechanism. 1,660,111; Feb. 21.
- Woodward, George E., Boston, Mass. Conveyor. 1,659,968; Feb. 21.
- Woodward, Harry C., et al. (See Becker, Joseph, assignor.)
- Woodward, Herbert S., Carbondale, Pa. Sifter. 1,664,841; Apr. 3.
- Woodward, Irving C., Syracuse, N. Y. Wheel puller. 1,670,560; May 22.
- Woodward, Kenneth N., trustee. (See Bobbs, Arthur L., assignor.)
- Woodward, Richard C., assignor to McEvoy Wireless Well Strainer Corporation, Los Angeles, Calif. Perforating casings. 1,693,011; Nov. 27.
- Woodward, Thomas S., Leetonia, Ohio. Book end or similar article. Des. 74,707; Mar. 13.
- Woodward, Thomas S., Leetonia, Ohio. Book end or similar article. Des. 74,955; Apr. 17.
- Woodward-Wanger Company. (See Duryea, Paul G., assignor.)
- Woodworth, Clarence B., Jackson, Calif. Poultry and rabbit cage. 1,667,998; May 1.
- Woodworth, Philip B., et al. (See Sweet, Andrew T., assignor.)
- Woodworth, Roy V., assignor to Western Supplies Co., St. Louis, Mo. Cutting die. 1,684,934; Sept. 18.
- Woofter, Herbert A., Kenton, Ohio, assignor to Swift Electric Welder Company, Detroit, Mich. Switch. 1,675,683; July 3.
- Woolard, William F., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Oil-refining still and making the same by electric-arc welding. 1,655,930; Jan. 10.

- Woodbridge, John, assignor of one-half to L. W. Farr, Childress, Tex. Cotton gin. 1,692,362; Nov. 20.
- Wooley, Lew C., Bisbee, Ariz. Signal. 1,670,176; May 15.
- Woolever, Harry E., Crystal Beach, Ontario, Canada, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-print drier. 1,668,995; May 8.
- Woof, Pearl R., Oklahoma City, Okla. Collapsible bucket. 1,680,191; Aug. 7.
- Woolfenden, Henry L., Detroit, Mich. Bathtub. 1,677,160; July 17.
- Woolley, Isaiah W., assignor of one-half to F. Henderson, Charlotte, N. C. Tying device. 1,668,033; May 1.
- Woolsey, Charles A., Minneapolis, Minn. Crate. 1,665,245; Apr. 10.
- Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Balancing pneumatic tires. 1,692,145; Nov. 20.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,657,293; Jan. 24.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,659,621; Feb. 21.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,660,982; Feb. 28.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Carburetor. 1,665,395; Apr. 10.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,665,396; Apr. 10.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,682,821; Sept. 4.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Mixture-forming means for internal-combustion engines. 1,684,902; Sept. 18.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,687,917; Oct. 16.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,687,918; Oct. 16.
- Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Valve-operating mechanism. 1,695,726; Dec. 18.
- Woolston, Louis F. (See Otis, A. N. and Woolston.)
- Woolwine, George. (See Rose, B. E. and Woolwine.)
- Woop, William, Farmingdale, N. Y. Flexible window frame and sash construction. 1,690,518; Nov. 6.
- Wooster, Stanton H., Washington, D. C. Propeller. 1,674,674; June 26.
- Wooten, Marion F., L. R. Bivins, and R. M. Nicholas, assignors to Richmond Beverage Machine Corporation, Richmond, Va. Cup-dispensing mechanism. 1,660,247; Feb. 21.
- Wooten, Wesley M. (See Manley, Jason B., assignor.)
- Wooton, James A., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,696,223; Dec. 25.
- Wootton, Ernest A., Maynooth, Ontario, Canada. Sheaf shocker. 1,689,094; Oct. 23.
- Woyenaka, Keizo, Tokyo, Japan, and T. Okochi, Clifton, N. J., assignors to Takamine Ferment Company, New York, N. Y. Producing diastatic product. 1,680,926; Aug. 14.
- Woracek, Anthony L., New York, N. Y. Fixed dial for a universal standard-time clock face. Des. 75,398; May 29.
- Worcester Bilt-Rite Company. (See Arey, Ralph G., assignor.)
- Worcester Electric Supply Company. (See Parent, Joseph V., assignor.)
- Worcester Steel Products Company. (See Fraser, Warren F., assignor.)
- Worden, Ira L., Wichita, Kans. Automobile antiglare shield. 1,695,357; Dec. 18.
- Wordingham, George, Milwaukee, Wis. Garment container. 1,666,434; Apr. 17.
- Work, Samuel D., Minerva, Ohio. Locomotive-cylinder cock. 1,678,581; July 24.
- Workman, Ellison E., et al. (See Jackson, William S., assignor.)
- Workman, Ellison E. (See Robinson, Edward A., assignor.)
- Workman, Peter, jr. (See Russell, S. G., and Workman.)
- Work Meters Limited. (See Sutherland, William C., assignor.)
- World Bestos Corporation. (See Heany, John A., assignor.)
- Worley & Co. (See Worley, John, jr., assignor.)
- Worley, George L., Akron, Ohio. Band for use with tractors or the like. 1,693,833; Dec. 4.
- Worley, John, jr., assignor to Worley & Co., Los Angeles, Calif. Sectional shelving. 1,660,898; Feb. 28.
- Worms, Jacques, Paris, France, assignor to The J. G. Brill Company, Philadelphia, Pa. Car truck. 1,692,606; Nov. 20.
- Worms, Jean P. (See Escaich, A., and Worms.)
- Worobjew, Wladimir, Charkow, Russia. Manufacture of models, moldings, and casts for medical purposes. 1,658,150; Feb. 7.
- Worrall, Robert H., Washington, D. C. assignor to Wired Radio, Inc., New York, N. Y. Crystal-calibrator apparatus. 1,673,173; June 12.
- Wörsching, Richard, Starnberg, Germany. Antislipping device for stands and the like. 1,679,461; Aug. 7.
- Worth, Clemens S., Los Angeles, Calif., assignor, by mesne assignments, to E. G. Burghard. Piston ring. 1,669,365; May 8.
- Worth, Joseph. (See Judd, R. M., Taylor, and Worth.)
- Worthen, Walter E., West Hollywood, Calif. Latch. 1,693,912; Dec. 4.
- Worthington, Charles C., Dunfield, N. J. Gang lawn-mowing machine. 1,654,568; Jan. 3.
- Worthington, Charles C., Dunfield, N. J. Lawn mower. 1,664,721; Apr. 3.
- Worthington, Charles C., Dunfield, N. J. Lawn-mower cutter drive. 1,670,645; May 22.
- Worthington, Edward B. (See Grant, R. F., Worthington, and Jacobus.)
- Worthington, Edward B., assignor to The M. A. Hanna Company, Cleveland, Ohio. Burning pulverulent fuels. 1,670,276; May 15.
- Worthington, Everett, Chicago, Ill., assignor to Brandes Laboratories, Inc., Newark, N. J. Radiocabinet. Des. 76,512; Oct. 2.
- Worthington, Everett, Chicago, Ill., assignor to Brandes Laboratories, Inc., Newark, N. J. Loud-speaker cabinet. Des. 76,513; Oct. 2.
- Worthington, Everett, Chicago, Ill., assignor to Brandes Laboratories, Inc., Newark, N. J. Radiocabinet. Des. 76,514; Oct. 2.
- Worthington, Everett, Chicago, Ill., assignor to Brandes Laboratories, Inc., Newark, N. J. Radiocabinet. Des. 76,515; Oct. 2.
- Worthington, Everett, assignor to Brandes Laboratories, Inc., Newark, N. J. Radiocabinet. Des. 77,210; Dec. 11.
- Worthington, James P., assignor of one-half to L. J. Mildren, Ponca City, Okla. Oil-well pump. 1,693,101; Nov. 27.
- Worthington, James P., assignor of one-half to L. J. Mildren, Ponca City, Okla. Oil-well pump. 1,693,102; Nov. 27.
- Worthington, James R., East Croydon, assignor to said Worthington and Creed & Company Limited, Croydon, England. Telegraphic receiving apparatus. 1,682,162; Aug. 28.
- Worthington, John R., Penfield, N. Y. Roll holder. 1,687,819; Oct. 16.
- Worthington Pump and Machinery Corporation. (See Aborn, George P., assignor.)
- Worthington Pump and Machinery Corporation. (See Barrett, Charles G., assignor.)
- Worthington Pump and Machinery Corporation. (See Czock, Jacob H., assignor.)
- Worthington Pump and Machinery Corporation. (See Dorer, Oscar H., assignor.)
- Worthington Pump and Machinery Corporation. (See Fleming, Willis M., assignor.)
- Worthington Pump and Machinery Corporation. See Gage, Walter C., assignor.)
- Worthington Pump and Machinery Corporation. (See Goodman, William, assignor.)
- Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
- Worthington Pump and Machinery Corporation. (See La-waezcek, Franz, assignor.)
- Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
- Worthington Pump and Machinery Corporation. (See Riesner, Michael, assignor.)
- Worthington Pump and Machinery Corporation. (See Spillmann, Max, assignor.)
- Worthington Pump and Machinery Corporation. (See Spillman, M., and Dorer, assignors.)
- Worthington, Richard C., and H. Milner, Blackpool, England. Variable-speed gear. 1,680,714; Aug. 14.
- Worthington, Wayne H., Battle Creek, Mich., assignor to Advance-Rumely Company, La Porte, Ind. Recleaner. 1,669,686; May 15.
- Worthington, Wayne H., Battle Creek, Mich., assignor to Advance-Rumely Company, La Porte, Ind. Thrashing machine. 1,689,314; Oct. 30.
- Worton, Samuel G. (See Diehl, A. N., and Worton.)
- Worton, Samuel G., Duquesne, Pa. Hot rolling. 1,689,512; Oct. 30.
- Worton, Samuel G., Duquesne, Pa. Rolling. 1,689,544; Oct. 30.
- Wosse, Karl B. (See Frederickson, Holger E., assignor.)
- Woudhuysen, Jacques, and G. Ory, Paris, France. Viscosimeter. 1,685,896; Oct. 2.
- Woytych, Raymond M. (See Kempton, H. E., Gallimore, and Woytych.)
- Woytych, Raymond M., Fond du Lac, Wis., assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Work holder. 1,695,752; Dec. 18.
- Wrabek, Frank M., Le Sueur Center, Minn. Milking machine. 1,682,001; Aug. 28.
- Wragg, Charles A., assignor of one-half to L. H. Crook, Washington, D. C. Propeller. 1,684,567; Sept. 18.
- Wragg, John G., New London, Conn. Thermostatic control device for water heaters. 1,660,776; Feb. 28.
- Wrape, Harold J. (See Maescher, Albert, assignor.)
- Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Valve structure. 1,689,095; Oct. 28.

- Wray, Charles F., Rochester, N. Y., and M. Blickman, Weehawken, N. J., assignors to S. Blickman, M. Blickman, and H. Blickman. Measuring faucet. 1,689,096; Oct. 23.
- Wreesmann, Ferdinand, Munich, Germany. Centrifugal liquid atomizer. 1,655,932; Jan. 10.
- Wrenn, Henry B. P., deceased, Cleveland, Ohio; O. P. Moon, administrator, assignor to A. M. Hahn, Aurora Hills, Va. Cable support. 1,692,104; Nov. 20.
- Wrentmore, Ernest L., deceased, Warren, Ohio; (Mrs.) M. V. Wrentmore, administratrix. Internal-combustion engine. 1,665,521; Apr. 10.
- Wrentmore, Maude V., administratrix. (See Wrentmore, Ernest L.)
- Wright, Albert E. and A. G., San Francisco, Calif. Checking tag. 1,679,699; Aug. 7.
- Wright, Albert G. (See Wright, Albert E. and A. G.)
- Wright, Arthur, Upper Montclair, and F. W. Young, Verona, N. J. Filtration apparatus. 1,691,950; Nov. 20.
- Wright-Austin Company. (See Kuhn, Wilfred H., assignor.)
- Wright, Bartley J., et al. (See McCollum, James H. K., assignor.)
- Wright, Charles, Evanston, Ill. Safety gate. 1,686,430; Oct. 2.
- Wright, Charles F., Akron, Ohio, assignor to The Diamond Match Company, New York, N. Y. Mechanism for assembling match strips. 1,675,440; July 3.
- Wright, Charles F., Akron, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making matches from sheet material. 1,684,165; Sept. 11.
- Wright, Charles R., assignor to Macomb Manufacturing Company, Macomb, Ill. Chair or the like. Des. 76,845; Nov. 6.
- Wright, Clair G., Kansas City, Mo. Waistband. 1,672,017; June 5.
- Wright, Clair G., Kansas City, assignor to Ely & Walker Dry Goods Company, St. Louis, Mo. Garment. 1,689,469; Oct. 30.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Mast-elevating mechanism for portable pulling machines. 1,661,591; Mar. 6.
- Wright, Clyde S., and J. R. Mahan, assignors to The National Supply Company, Toledo, Ohio. Coordinated brake and clutch mechanism. 1,680,715; Aug. 14.
- Wright & Ditson-Victor Co. (See Koewade, Edward E., assignor.)
- Wright, E. T., & Co. (See Donovan, Alfred F., assignor.)
- Wright, Earl D., South Chicago, Ill. Reheating continuous furnace hearth. 1,674,147; June 19.
- Wright, Earl D., Chicago, Ill. Roll jack. 1,674,148; June 19.
- Wright, Edward A., Fresno, Calif. Bathtub attachment. 1,683,430; Sept. 4.
- Wright, Ernest, Arch Creek, Fla. Propagating box. 1,665,124; Apr. 3.
- Wright, Frank F., Aurora, Ill. Eaves trough. 1,693,103; Nov. 27.
- Wright, George M., Chesterfield, England, assignor to Radio Corporation of America. Radio signaling system. 1,681,564; Aug. 21.
- Wright, George M., London, England, assignor to Radio Corporation of America. Directional aerial. 1,687,746; Oct. 16.
- Wright, Harry J., and G. Shirk, Waynesburg, Pa. Transmission stand. 1,667,616; Apr. 24.
- Wright, Henry D. (See Bird, B. G., and Wright.)
- Wright, Henry F., Huntington, Calif. Gauge and recorder. 1,679,285; July 31.
- Wright, Henry H., assignor to M. S. Wright Company, Worcester, Mass. Brush. 1,681,453; Aug. 21.
- Wright, James A., Montreal, Quebec, Canada. Spring suspension. 1,686,195; Oct. 2.
- Wright, James A., Montreal, Quebec, Canada. Rear-axle assembly. 1,694,049; Dec. 4.
- Wright, James C. (See Wheeler, E. B., and Wright.)
- Wright, James H., Valley Park, Mo. Boat. Des. 75,670; June 26.
- Wright, John H., Larchmont, assignor to Zonite Products Company, New York, N. Y. Antiseptic preparation. 1,676,309; July 10.
- Wright, John K., Detroit, Mich. Auto top and cover. 1,679,886; Aug. 7.
- Wright, John K., Denver, Colo. Trunk, foldable bed-supporting structure, and canopy. 1,693,012; Nov. 27.
- Wright, Kirk K., Buffalo, N. Y. Motor support for bottle-washing machines. 1,661,592; Mar. 6.
- Wright, Lawrence B., A. B. Yates, and A. A. Lease, Lead, S. Dak. Instrument for surveying bore holes. 1,684,337; Sept. 11.
- Wright, Lenis H., Los Angeles, Calif. Aerostatic sign. 1,658,275; Feb. 7.
- Wright, Lewis A., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,692,881; Nov. 27.
- Wright, M. S., Company. (See Gleason, Clifford J., assignor.)
- Wright, M. S., Company. (See Wright, Henry H., assignor.)
- Wright Manufacturing Company. (See Sheeley, Earl, assignor.)
- Wright, Maurice J., Boise, Idaho. Register dust cover. 1,694,098; Dec. 4.
- Wright & McGill Company. (See Wright, S. M., and McGill, assignors.)
- Wright, McKay, Seattle, Wash. Radioantenna. 1,684,003; Sept. 11.
- Wright, Morris S., Worcester, Mass. Electric switch. 1,677,509; July 17.
- Wright, Norman L., Mount Vernon, N. Y. Radiator ornament. 1,666,806; Apr. 17.
- Wright, Parvin. (See Gerrard, A. J., and Wright.)
- Wright, Parvin, Chicago, Ill. Box-strapping machine. 1,677,911; July 24.
- Wright, Parvin, assignor to Alec J. Gerrard, Chicago, Ill. Bundle of tie wires. 1,674,311; June 19.
- Wright, Paul D., Edgewood Borough, Pa. Stock-level indicator. 1,662,484; Mar. 13.
- Wright, Raymond W., Indianapolis, Ind. Lining for steel box cars. 1,656,688; Jan. 17.
- Wright, Richard H. (See Dalton, John T., assignor.)
- Wright, Robert K. (See Vauclair, J. L., Wright, and Transue.)
- Wright, Robert L., deceased, Los Angeles, Calif.; W. C. Wright, administrator. Aircraft. 1,693,557; Nov. 27.
- Wright Rubber Products Company. (See Healy, Leon J. D., assignor.)
- Wright, Stanley M., and A. D. McGill, assignors to Wright and McGill Company, Denver, Colo. Fishing fly. 1,657,734; Jan. 31.
- Wright, Stanton M. (See Wright, Walter L. and S. M.)
- Wright, Stephen E., Los Angeles, Calif. Tobacco pipe. 1,696,372; Dec. 25.
- Wright, Sumner B. (See Nyquist, H., and Wright.)
- Wright, Sumner B., South Orange, N. J., assignor to American Telephone and Telegraph Company. Measuring balance of electrical networks. 1,675,441; July 3.
- Wright, Theodore P., Port Washington, and W. Wait, Jr., Garden City, N. Y., assignors to Curtiss Aeroplane & Motor Co., Inc. Rudder-operating mechanism for aircraft. 1,694,496; Dec. 11.
- Wright, Thomas B., Cincinnati, Ohio. Making receptacles. 1,689,097; Oct. 23.
- Wright, Wallace C., Brookfield, N. H., assignor to Harding Engineering Company, East Boston, Mass. Slicking hides. 1,660,022; Feb. 21.
- Wright, Wallace C., Brookfield, N. H., assignor to Harding Engineering Company, East Boston, Mass. Slicking hides. 1,660,023; Feb. 21.
- Wright, Wallace C., Brookfield, N. H., assignor to American Shoe Machinery Company, East Boston, Mass. Automatic moisture control. 1,677,856; July 17.
- Wright, Walter L., Santa Monica, Calif. Motion-picture apparatus. 1,688,607; Oct. 23.
- Wright, Walter L., Santa Monica, and S. M. Wright, Los Angeles, Calif. Optical system. 1,688,606; Oct. 23.
- Wright, Warren C., Chicago, Ill. Flush valve. 1,665,832; Apr. 10.
- Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Hood cap for bottles and the like. 1,656,806; Jan. 17.
- Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container-closure disk and the production and application thereof. 1,657,950; Jan. 31.
- Wright, Wilbur L., Fulton, and J. L. Dolphin, Syracuse, assignors to Oswego Falls Corporation, Fulton, N. Y. Capping machine. 1,665,079; Apr. 3.
- Wright, Wilbur L., and L. D. Pierce, assignors to Oswego Falls Corporation, Fulton, N. Y. Container-closure disk and the production and application thereof. 1,657,985; Jan. 31.
- Wright, William, Chicago, assignor to E. P. Smith, Springfield, Ill. Connecting bar. 1,657,875; Jan. 31.
- Wright, William, Chicago, assignor to E. P. Smith, Springfield, Ill. Brake-gear housing. 1,669,921; May 15.
- Wright, William, assignor to Midway Railway Equipment Co., Chicago, Ill. Pipe-hanger anchor and the like. 1,685,039; Sept. 18.
- Wright, William, Chicago, Ill., assignor to E. P. Smith, Springfield, Ill. Combined cheek plate and draft-key anchor. 1,687,533; Oct. 16.
- Wright, William, Chicago, Ill., assignor to E. P. Smith, Springfield, Ill. Brake-gear mounting. 1,687,534; Oct. 16.
- Wright, William, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,695,727; Dec. 18.
- Wright, William J., and A. S. Whitehead, Seattle, Wash. Flat-fold binder device. 1,691,537; Nov. 13.
- Wright, Willie C., administrator. (See Wright, Robert L.)
- Wrighton, William J., Southbridge, assignor to American Optical Company, Worcester, Mass. Goggles. 1,688,446; Oct. 23.
- Wright's Automatic Tobacco Packing Machine Company. (See Fischer, Louis, assignor.)
- Wrobel, S., Slipper Co. (See Wrobel, Simon, assignor.)
- Wrobel, S., New York, N. Y. Boudoir slipper. Des. 77,346; Dec. 25.
- Wuchert, George H., assignor to The American Hardware Corporation, New Britain, Conn. Doorcheck. 1,674,756; June 26.
- Wuerfel, William, assignor to Wilkening Manufacturing Co., Philadelphia, Pa. Spring and making same. 1,668,297; May 1.
- Wuest, Andrew, Rochester, N. Y. Liquid filter. 1,693,741; Dec. 4.

- Wuest, Joseph, and F. Ludwig, assignors to The Heekin Can Company, Cincinnati, Ohio. Vessel closure. 1,674,675; June 26.
- Wulf, Joseph H., Tell City, Ind. Safety guard for ripsaws. 1,681,832; Aug. 21.
- Wulf, Fred, Vega, S. Dak. Handle. 1,687,190; Oct. 9.
- Wulff, Peter, Starnberg, and B. Wendt, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfurt-on-the-Main, Germany. Light-sensitive silver halide emulsions and making the same. 1,696,830; Dec. 25.
- Wulftange, John A., Hamilton, Ohio. Grille. 1,657,908; Jan. 31.
- Wulftange, John A., Hamilton, Ohio. Corn popper. 1,660,540; Feb. 28.
- Wulkan, Eugene, Vienna, Austria, assignor to Haberland Manufacturing Company, Allwood, N. J. Making cold swelling starch. 1,677,314; July 17.
- Wullenwaber, William, administrator. (See Meyer, Gustav A.)
- Wullum, Gerhard, Chicago, Ill. Cuff button. 1,661,520; Mar. 6.
- Wummel, William A., assignor to Motor Products Corporation, Detroit, Mich. Windshield. 1,656,267; Jan. 17.
- Wunder, Milton B., assignor to Milton B. Wunder Company, Philadelphia, Pa. Lamp shade. Des. 76,214; Aug. 28.
- Wunder, Milton B., Company. (See Wunder, Milton B., assignor.)
- Wunderlich, Conrad, McKeesport, Pa. Mold for ingot molds. 1,670,331; May 22.
- Wunderlich, Curt E. (See Schmidt, M. A., and Wunderlich.)
- Wunderlich, Herbert E., St. Paul, Minn. Grain shocker. 1,692,882; Nov. 27.
- Wunsch, Felix, assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical measuring apparatus. 1,665,897; Apr. 10.
- Wupper, Benjamin F., Chicago, Ill. Dispensing device. 1,674,149; June 19.
- Wurdack, Arthur, Normandy, Mo. Chair. 1,691,262; Nov. 13.
- Wurdack Electric Manufacturing Company. (See Wurdack, William, jr., assignor.)
- Wurdack, Isabelle K., Normandy, Mo. Foldable table. 1,669,799; May 15.
- Wurdack, Isabelle K., Normandy, Mo. Chair. 1,695,790; Dec. 18.
- Wurdack, Wm., Electric Mfg. Co. (See Wurdack, William, assignor.)
- Wurdack, William, assignor to Wm. Wurdack Electric Mfg. Co., St. Louis, Mo. Electric switch. 1,673,383; June 12.
- Wurdack, William, jr., assignor to Wurdack Electric Manufacturing Company, St. Louis, Mo. Electric snap switch. 1,694,899; Dec. 11.
- Wurflein, Peter E., Vineland, N. J. Drying process and apparatus. 1,675,076; June 26.
- Wurflein, Peter E., Vineland, N. J. Drying process and apparatus. 1,675,077; June 26.
- Wurlitzer, Rudolph, Manufacturing Company, The. (See Battner, Stephen, assignor.)
- Wurlitzer, Rudolph, Manufacturing Company, The. (See Graf, John E., assignor.)
- Wurlitzer, Rudolph, Manufacturing Company, The. (See Lockwood, Louis S., assignor.)
- Wurlitzer, Rudolph, Mfg. Co. (See Mayer, J. T., Levis, and Schum, assignors.)
- Wurst, Walter, Berlin, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method and arrangement for transferring signals between moving vehicles and roadbeds. 1,661,744; Mar. 6.
- Wurzbach, Hugh E., and L. H. Wadsworth, Magna, assignors to Selector Corporation, Salt Lake City, Utah. Method and apparatus for selecting metal checks. 1,693,104; Nov. 27.
- Wurzer, Joseph, Carroll, Iowa. Draft equalizer. 1,677,608; July 17.
- Wussow, Reinhard, Charlottenburg, near Berlin, Germany. Dry cooling of coke. 1,661,211; Mar. 6.
- Wüstendörfer, Philipp, Furth, Germany. Somersaulting toy. 1,695,310; Dec. 18.
- Wuthnow, Verland E., Dillon, Kans. Motor-vehicle hood latch. 1,685,475; Sept. 25.
- Wyant, Ross E. (See Whitney, H. L., and Wyant.)
- Wyatt, De Witt H., Columbus, Ohio. Visible toaster. 1,656,848; Jan. 17.
- Wyatt, Edyth P., Denver, Colo. Rug or similar article. Des. 76,737; Oct. 30.
- Wyatt, James H. (See Scott, W. M., and Wyatt.)
- Wyatt, James R., Camden, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Induction furnace having unidirectional circulation. Re16,967; May 15.
- Wyatt, James R., Camden, N. J., assignor to The Ajax Metal Company, Philadelphia, Pa. Furnace lining and making same. 1,688,220; Oct. 16.
- Wyatt, Joseph W., Redcar, England. Electric-lamp holder. 1,683,514; Sept. 4.
- Wyborne, Charles R., Wilbur, Wash. Feathering paddle wheel. 1,658,624; Feb. 7.
- Wyche, George W., Arcadia, Calif. Subsoil plow. 1,689,065; Oct. 23.
- Wydler, Hermann, Bern, assignor to Sausser S. A., Soleure, Switzerland. Safety device for liquid-measuring apparatus. 1,687,417; Oct. 9.
- Wydom, Herbert H., Boston, assignor to Hood Rubber Company, Watertown, Mass. Combined sole and heel. Des. 75,457; June 5.
- Wykes, Ernest, Humboldt, Iowa. Oil-burning stock-tank heater. 1,690,659; Nov. 6.
- Wykes, Hunter. (See Chouinard, Oscar, assignor.)
- Wyko Projector Corporation. (See Brewster, Percy D., assignor.)
- Wylie, Garvin R., Washington, and J. A. Harrison, Parnassus, Pa. Educational game. 1,670,703; May 22.
- Wylie, Garvin R., Washington, and J. A. Harrison, Parnassus, Pa. Educational game. 1,670,704; May 22.
- Wyllie, Robert, South Franklin, Mass. Cow-tail holder. 1,667,578; Apr. 24.
- Wyman, Charles O., Anoka, Minn. Differential. 1,686,431; Oct. 2.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Blow-out device. 1,678,205; July 24.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electrical apparatus. 1,679,142; July 31.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling apparatus. 1,683,225; Sept. 4.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Grounding mechanism. 1,689,098; Oct. 23.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Electric controlling device. 1,696,744; Dec. 25.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Fuse mechanism. 1,696,745; Dec. 25.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,696,746; Dec. 25.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Interlocking mechanism. 1,696,747; Dec. 25.
- Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling apparatus. 1,696,748; Dec. 25.
- Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
- Wyman-Gordon Co. (See Larcher, Albert J., assignor.)
- Wyman-Gordan Company. (See Oldson, John A., assignor.)
- Wyrfel, Samuel P., assignor to The Arrow Electric Company, Hartford, Conn. Guard for foot presses. 1,653,151; Feb. 7.
- Wysocki, John M. (See Germer, E. G., Walbridge, and Wysocki.)
- Wysong, Maxwell W., North Plainfield, assignor of one-half to H. C. Poole, Newark, N. J. Universal joint. 1,679,700; Aug. 7.
- Wysong, Maxwell W., North Plainfield, assignor of one-half to H. C. Poole, Newark, N. J. Butt welding tubular articles. 1,679,701; Aug. 7.
- Wysong, Maxwell W., North Plainfield, assignor of one-half to H. C. Poole, Newark, N. J. Core for flash butt welding. 1,679,702; Aug. 7.
- Wysong, Maxwell W., North Plainfield, assignor of one-half to H. C. Poole, Newark, N. J. Universal tandem joint. 1,686,196; Oct. 2.
- Wyss, Julius, Watertown, Mass., assignor to New England Spun Silk Corporation, New York, N. Y. Stop motion for yarn-twisting machines. 1,665,006; Apr. 3.
- Xippas, Socrates A., Buffalo, N. Y. Electric-fan casing. Des. 74,337; Jan. 24.
- Xippas, Socrates A., Buffalo, N. Y. Signal box. Des. 76,555; Oct. 16.
- Xippas, Socrates A., Buffalo, N. Y. Heating device for air-circulating fans. 1,691,421; Nov. 13.
- Xippas, Socrates A., Pittsburgh, Pa. Electric fan. 1,695,002; Dec. 11.
- Yablick, Max, Newark, N. J., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Flutter valve. 1,680,757; Aug. 14.
- Yablick, Max, Newark, N. J. Making silica gel. 1,687,919; Oct. 16.
- Yacoubyan, Vahan P., New York, N. Y. Safety razor. 1,690,608; Nov. 6.
- Yager, George L. (See Yager, Ralph C. and G. L.)
- Yager, Harvey J., Seattle, Wash. Collapsible and portable core form. 1,685,012; Sept. 18.
- Yager, Ralph C. and G. L., assignors to Yager Sheet Metal Company, Oakland, Calif. Louver ventilator. 1,677,421; July 17.
- Yager, Ralph C., assignor to Yager Sheet Metal Co., Oakland, Calif. Illuminated house-number device. 1,689,315; Oct. 30.
- Yager Sheet Metal Company. (See Yager, Ralph C. and G. L., assignors.)
- Yager Sheet Metal Co. (See Yager, Ralph C., assignor.)
- Yagle, Theodore E., Philadelphia, Pa. Motion-picture projector. 1,667,645; Apr. 24.
- Yahraus, John et al., trustees. (See Balnojan, Peter, assignor.)
- Yake, David H., Los Angeles, assignor of one-half to O. Scott, Whittier, Calif. Safety dog for trucks and cars. 1,663,327; Mar. 20.
- Yale, Charlotte L. and E. P. Vance, Tryon, N. C. Figure toy. Des. 75,994; Aug. 7.

- Yale Electric Corporation. (See Casella, Secondo L., assignor.)
- Yale Electric Corporation. (See Reinhardt, Otto K., assignor.)
- Yale Electric Corporation. (See Stimson, Frank G., assignor.)
- Yale, Frank H., Alameda, assignor of one-half to C. B. Sovig, San Francisco, Calif. Spraying machine. 1,694,806; Dec. 11.
- Yale & Towne Manufacturing Company, The. (See Cummins, Norman W., assignor.)
- Yale & Towne Manufacturing Company, The. (See Heyer, Frederic K., assignor.)
- Yale & Towne Manufacturing Company, The. (See Jackson, A. C., and Kroll, assignors.)
- Yale & Towne Manufacturing Company, The. (See Kroll, Waldemar, assignor.)
- Yale & Towne Manufacturing Company, The. (See Lach, Joseph S., assignor.)
- Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)
- Yale and Towne Manufacturing Company, The. (See Maxwell, Maxwell C., assignor.)
- Yale & Towne Manufacturing Company, The. (See Norton, Lewis C., assignor.)
- Yale & Towne Manufacturing Company, The. (See Potter, Robert S., assignor.)
- Yale & Towne Manufacturing Company, The. (See Soley, Frank, assignor.)
- Yale, Walter S., Maywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Jointing sheaths for cores. 1,656,258; Jan. 17.
- Yamamoto, Ototaro N., Los Angeles, Calif. Card game. 1,694,029; Dec. 4.
- Yamanaka, Saburo, Los Angeles, Calif. Polishing pad. 1,690,960; Nov. 6.
- Yamamoto, Shozo, Osaka-Fu, Japan. Producing lipase. 1,687,050; Oct. 9.
- Yancey, Sterling R. (See Schauman, K. O., Yancey, and Mifsud.)
- Yancey, Thornton M., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-working apparatus. 1,691,103; Nov. 13.
- Yanchenko, Basil J., New York, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Press compensator. 1,667,831; May 1.
- Yanchenko, Basil J., New York, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Power press. 1,688,066; Oct. 16.
- Yanochowski, George A., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Switch. 1,666,763; Apr. 17.
- Yanss, George W., Bridgeport, Conn., assignor to American Chain Company, Inc. Rear-fender guard. 1,672,511; June 5.
- Yanss, George W., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper bracket. 1,680,927; Aug. 14.
- Yanss, George W., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile bumper bracket. 1,680,928; Aug. 14.
- Yaraus, Morris E., Cambridge, Mass. Indoor parlor miniature football game. 1,680,356; Aug. 14.
- Yardley, Charles F., Larchmont, N. Y. Rail anchor. 1,678,664; July 31.
- Yardley, Charles F., Larchmont, N. Y. Rail anchor. 1,686,544; Oct. 9.
- Yarnall, David R., assignor to Yarnall-Waring Company, Philadelphia, Pa. Indicating and recording nonreturn valve. 1,675,523; July 3.
- Yarnall-Waring Company. (See Chase, Lyle G., assignor.)
- Yarnall-Waring Company. (See Yarnall, David R., assignor.)
- Yarrow, Harold E., Glasgow, Scotland. Water-tube boiler. 1,657,951; Jan. 31.
- Yarrow, Harold E., Glasgow, Scotland. Economizer for water-tube boilers. 1,676,126; July 3.
- Yarwood, William A., Buffalo, N. Y. Automatic stoker. 1,682,002; Aug. 28.
- Yarwood, William A., Buffalo, N. Y. Stoker. 1,696,587; Dec. 25.
- Yanss, George W., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile fender guard. 1,694,198; Dec. 4.
- Yates-American Machine Company. (See Johnson, Wallace D., assignor.)
- Yates-American Machine Company. (See Turcott, David, assignor.)
- Yates-American Machine Company. (See Young, Earl R., assignor.)
- Yates, Arthur B. (See Wright, L. B., Yates, and Lease.)
- Yates, Arthur T., assignor to Buffalo Forge Company, Buffalo, N. Y. Rolling attachment for bending machines. 1,673,477; June 12.
- Yates, James W., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Program device. 1,670,793; May 22.
- Yates, James W., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 1,689,905; Oct. 30.
- Yates Lumber Company. (See Allen, Charles H., assignor.)
- Yates, Luther L. (See Reynolds, Damian L., assignor.)
- Yates, Nathaniel, jr., assignor to F. A. Neider Company, Augusta, Ky. Apparatus for forming double-headed nails. 1,667,338; Apr. 24.
- Yates, Nina G., Kansas City, Mo. Hat. Des. 74,209; Jan. 3.
- Yates, P. B., Machine Company. (See Lane, Franklin L., assignor.)
- Yates, Richard W., Kansas City, Mo. Laundry drier. 1,664,098; Mar. 27.
- Yates, Robert P., et al. (See Mason, Charles T., assignor.)
- Yates, Sheldon S., Englewood, N. J., assignor to Chicle Development Company, New York, N. Y. Jelutong product and making the same. 1,685,797; Oct. 2.
- Yawman & Erbe Manufacturing Co. (See Duffield, David W., assignor.)
- Yeager, Fay A., assignor to J. R. M. Knudsen, Muskegon, Mich. Window construction. 1,676,597; July 10.
- Yeager, Fay A., assignor to Joachim R. M. Knudsen, Muskegon, Mich. Window-glass clip. 1,688,953; Oct. 23.
- Yeager, Henry J., Lancaster, Pa. Electrolytic apparatus. 1,658,872; Feb. 14.
- Yeandle, William H., Torreón, Mexico, assignor to Intercontinental Rubber Company, Wilmington, Del. Recovery of rubber. 1,695,676; Dec. 18.
- Yeaton, Alton F., assignor to The Star Drilling Machine Company, Akron, Ohio. Drilling machine. 1,683,006; Sept. 4.
- Yeaton, George A., assignor of one-half to W. Esalhorst, Aberdeen, Wash. Choker hook. 1,669,152; May 8.
- Yehle, William E., New York, N. Y. Water bag. 1,661,400; Mar. 6.
- Yeker, Otto T., Evansville, Ind. Self-cleaning spark plug. 1,657,599; Jan. 31.
- Yellow Cab Manufacturing Company. (See Daubner, George H., assignor.)
- Yellow Coach Manufacturing Company. (See Rackham, George J., assignor.)
- Yells, Frederick W., Geneva, N. Y. Loading bracket for vehicles. 1,689,375; Oct. 30.
- Yells, Frederick W., Geneva, N. Y. Vehicle loading device. Yentis, Louis. (See Simon, A., and Yentis.)
- Yeomans, Alfred M. (See Clark, L. R., and Yeomans.) 1,689,417; Oct. 30.
- Yeomans, Lucien I., Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Low-conductivity mold for centrifugal casting machines. 1,678,929; July 31.
- Yerger, Will, West Philadelphia, Pa. Trimmer. 1,665,155; Apr. 3.
- Yerges, Amelia N., executrix. (See Yerges, Frank L.)
- Yerges, Frank L., deceased, Fremont, Ohio; A. N. Yerges, executrix, assignor to The Yerges Manufacturing Company, Fremont, Ohio. Bias buffer. 1,669,224; May 8.
- Yerges Manufacturing Company, The. (See Yerges, Frank L., assignor.)
- Yerk, Henry H. (See Baumberger, W. J., and Yerk.)
- Yerk, Henry H., and W. J. Baumberger, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Work-supporting fixture. 1,658,826; Feb. 14.
- Yerk, Henry H., and W. J. Baumberger, Davenport, assignors to Micro Machine Company, Bettendorf, Iowa. Work support. 1,682,456; Aug. 28.
- Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Valve abutment. 1,658,424; Feb. 7.
- Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Valve-seat-grinding machine. 1,684,854; Sept. 18.
- Yerkes, John A., and R. H. Lemmon, Long Beach, Calif. Pump packer. 1,686,307; Oct. 2.
- Yerkes, Owen. (See Powell, Charles L., assignor.)
- Yerkey, Henry, Viola, Ill. Grinding machine. 1,667,064; Apr. 24.
- Yessler, G. Fred, assignor, by mesne assignments, to Knapp Electric Corporation, Port Chester, N. Y. Educational appliance. 1,664,842; Apr. 3.
- Yetter, Aaron E., Knoxville, Iowa. Pump. 1,661,986; Mar. 6.
- Ygger, Albert F. K., assignor to American Kron Scale Co., New York, N. Y. Recording mechanism for weighing scales. 1,672,141; June 5.
- Xingling, Charles R., Baltimore, Md. Musical-instrument support. 1,670,397; May 22.
- Yngve, Victor. (See Hendry, W. F., and Yngve.)
- Yngve, Victor, South Orange, N. J., and C. G. Birdsall, Elmhurst, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Depolarizing mix for dry cells. 1,656,091; Jan. 10.
- Yngve, Victor, South Orange, N. J., and W. E. Vail, assignors, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry-cell lining. 1,670,604; May 22.
- Yngve, Victor, Lakewood, Ohio. Making bleach liquor as by-product in salt purification. 1,683,431; Sept. 4.
- Yoas, Harvey L., Du Bois, Pa. Advertising device. 1,683,117; Sept. 4.
- Yoder, Arthur T., Mosinee, Wis. Cylinder paper-making machine. 1,664,722; Apr. 3.
- Yoder, Carl M., assignor to The Yoder Company, Cleveland, Ohio. Metal-working machine. 1,668,298; May 1.
- Yoder Company, The. (See Dix, Clarence A., assignor.)
- Yoder Company, The. (See Sheldon, William O., assignor.)
- Yoder Company, The. (See Trafelet, Robert, assignor.)
- Yoder Company, The. (See Yoder, Carl M., assignor.)

- Yoder, Guldin G., Boyertown, Pa. Hat holder. 1,658,152; Feb. 7.
- Yoder, Homer P., et al. (See Shay, James M., assignor.)
- Yoder, Howard D. (See McClymont, B. W., and Yoder.)
- Yoder, Joseph D., assignor to Cochrane Corporation, Philadelphia, Pa. Apparatus for treating water for boiler feed and other purposes. 1,655,033; Jan. 3.
- Yoder, Lester. (See Dox, A. W., and Yoder.)
- Yoerg, Leon M., assignor, by mesne assignments, to American Writing Paper Company, Incorporated, Holyoke, Mass. Paper-making machine. 1,695,448; Dec. 18.
- Yohns, Paul, assignor, by mesne assignments, to The Butterick Publishing Company, New York, N. Y. Method and apparatus for transferring colors. 1,672,512; June 5.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall-bracket electric fixture. Des. 75,314; May 22.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier. Des. 75,315; May 22.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier. Des. 75,316; May 22.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Ceiling-plate electric fixture. Des. 75,941; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Fixture for ceiling lights. Des. 75,942; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier. Des. 75,943; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Fixture for ceiling lights. Des. 75,944; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier plate. Des. 75,945; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier. Des. 75,946; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall-bracket electric fixture. Des. 75,947; July 31.
- Yokel, Frank, Cleveland, Ohio, assignor, by mesne assignments, to Markel Electric Products, Inc., Buffalo, N. Y. Heating unit for electric heaters. Des. 76,654; Oct. 16.
- Yokoyama, Yoshimatsu. (See Kawamura, Kojiro, assignor.)
- Yonehiro, Hatsuzuchi, Honolulu, Hawaii. Burner. 1,666,807; Apr. 17.
- Yont, Charles A., and J. A. Flint, Denver, Colo., assignors, by mesne assignments, to R. E. Starkey. Fluid-vending machine. 1,673,305; June 12.
- Yordon, John C., Queens Village, assignor to Laminated Shim Company, Inc., Long Island City, N. Y. Making shims. 1,686,999; Oct. 9.
- York, Albert C. (See Burton, A., and York.)
- York, Allen B., assignor to M. L. Bruce, Sandpoint, Idaho. Puncturing machine. 1,665,764; Apr. 10.
- York Ice Machinery Corporation. (See Bergdoll, John G., assignor.)
- York Ice Machinery Corporation. (See Shipley, Thomas, assignor.)
- York, J. W., & Sons. (See Johnson, Alfred J., assignor.)
- York Safe and Lock Co. (See Sioberg, Charles F., assignor.)
- Yosgatt, Apar, Hoboken, N. J. Sole clamp. 1,684,427; Sept. 18.
- Yoshikawa, Hiroshi, Tokyo, Japan. Lead alloy. 1,681,272; Aug. 21.
- Yoshinaga, Gengiro, Los Angeles, Calif. Automobile bumper. 1,690,961; Nov. 6.
- Yost, Clarence L., and L. C. Brown, Kanorado, Kans. Bearing for drill disks. 1,685,897; Oct. 2.
- Yost, John W., Newport News, Va. Automobile direction signal. 1,660,983; Feb. 28.
- Yost, Winfield H., Montreal, Quebec, Canada. Draft rigging. 1,654,569; Jan. 3.
- Young, Albert H., Victoria, British Columbia, Canada. Music holder. 1,675,834; July 3.
- Young, Allan M. (See Mann, N. E., and Young.)
- Young, Arthur, et al., administrators. (See Deppé, W. P., and Summers.)
- Young, Arthur L., Brokaw, Wis. Lighting system for automobiles. 1,675,239; June 26.
- Young, Arthur L., Providence, R. I. Blank-bending machine. 1,684,903; Sept. 18.
- Young, Arthur W., and M. E. Louth, assignors to Udylyte Process Company, Kokomo, Ind. Cadmium-plating bath. 1,692,240; Nov. 20.
- Young, Carl L., and A. B. Robertson, Amarillo, Tex. Boat-propulsion means. 1,688,513; Oct. 23.
- Young, Charles B., Pittsburgh, Pa. Store-front construction. 1,689,611; Oct. 30.
- Young, Charles E., Shenandoah, Iowa. Glove. 1,658,113; Feb. 7.
- Young, Charles E., Rochester, Minn. Button. 1,696,133; Dec. 18.
- Young, Charles F., and E. M. Ries, assignors to The Stewart Iron Works Company, Covington, Ky. Dumping device. 1,662,653; Mar. 13.
- Young, Charles J., Schenectady, N. Y., assignor to General Electric Company. Photo-electric photometer. 1,672,671; June 5.
- Young, Charles J., Schenectady, N. Y., assignor to General Electric Company. Photo-electric photometer. 1,672,672; June 5.
- Young, Charles O., Elmhurst, N. Y., assignor to Carbide & Carbon Chemical Corporation. Making ethylene glycol monoalkyl ethers. 1,696,874; Dec. 25.
- Young, Charles P. (See Mount, F. R., and Young.)
- Young, Clarence H., Boston, Mass. Receptacle. 1,682,028; Aug. 28.
- Young, Clarence H., Boston, Mass. Truck. 1,691,621; Nov. 13.
- Young, Clarence H., Boston, Mass. Shoe stick. 1,695,702; Dec. 18.
- Young, Earl R., assignor to Yates-American Machine Company, Beloit, Wis. Sanding machine. 1,684,464; Sept. 18.
- Young, Ervin A., Wadsworth, Ohio. Bottle-nipple perforator. 1,688,258; Oct. 16.
- Young, Forrest J., Torrance, Calif., assignor to The National Supply Company, Toledo, Ohio. Casing swab. 1,695,406; Dec. 18.
- Young, Forrest R. (See Payne, H. T., and Young.)
- Young, Frank L., Windsor, Conn. Combination tool. 1,656,269; Jan. 17.
- Young, Frank W. (See Wright, A., and Young.)
- Young, Frank W., Crown Point, Ind. Ornamenting flower pots. 1,689,418; Oct. 30.
- Young, Fred M., Racine, Wis. Radiator. 1,694,696; Dec. 11.
- Young, Fred M., assignor to Perflex Corporation, Racine, Wis. Radiator. 1,689,271; Oct. 30.
- Young, Fred M., assignor to Perflex Corporation, Racine, Wis. Sectional radiator. 1,695,519; Dec. 18.
- Young, Harlan A., and A. T. Shakeshaft, Topeka, Kans. Seesaw. 1,662,875; Mar. 20.
- Young, Harvey L., assignor to J. R. Gammeter, Akron, Ohio. Electrical connection and making the same. 1,665,246; Apr. 10.
- Young, Heber, Bowling Green, Ky. Wire rack. 1,673,132; June 12.
- Young, Henry R., Muskegon, Mich. Piston for internal-combustion engines. Re17,159; Dec. 11.
- Young, Henry S., Wilkingsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-track circuit apparatus. 1,664,446; Apr. 3.
- Young, Henry S., Wilkingsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,687,920; Oct. 16.
- Young, Henry S., Wilkingsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway switches. 1,694,050; Dec. 4.
- Young, Henry S., Wilkingsburg, and R. M. Gilson, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway-crossing signals. 1,688,912; Oct. 23.
- Young, Homer W. (See Patterson, C. T., and Young.)
- Young, Hugh, Mirando City, Tex. Leverage vice. 1,665,247; Apr. 10.
- Young, Hugh E., Chicago, Ill., assignor of one-half to E. S. Taylor. Garage. 1,667,467; Apr. 24.
- Young, Idus G., Bristow, Okla. Tractor construction. 1,675,013; June 26.
- Young Iron Works. (See Hansen, Arthur E., assignor.)
- Young, James H., et al. (See Peterson, John A., assignor.)
- Young, James H., Pittsburgh, and W. H. Miller, Wilkingsburg, assignors to H. H. Robertson Company, Pittsburgh, Pa. Glazing construction. 1,666,764; Apr. 17.
- Young, James N., New York, N. Y. Toilet kit. 1,670,177; May 15.
- Young, John. (See Replogle, Harry H., assignor.)
- Young, John C. (See McDonald, A., and Smith.)
- Young, John C., New Galilee, Pa. Releaseable dumping body securing means. 1,674,583; June 19.
- Young, John D., et al. (See Davis, Robert R., assignor.)
- Young, John H., and W. G. Frink, Middletown, assignors to The Borden Company, New York, N. Y. Apparatus for feeding sheet metal and the like. 1,689,760; Oct. 30.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,665,577; Apr. 10.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,684,722; Sept. 18.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Hooked and lapped side seam for tubular bodies and making the same. 1,685,384; Sept. 25.
- Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 1,689,612; Oct. 30.
- Young, L. A., Company. (See Hagen, Walter, assignor.)
- Young, L. A., Company, The. (See Link, Albert C., assignor.)
- Young, L. A., Industries. (See Falls, William A., assignor.)
- Young, L. A., Industries, Inc. (See Ziller, Corban H., assignor.)
- Young, Lafayette, Alton, Ill., assignor to Laclede Steel Company, St. Louis, Mo. Rest bar and guide box for metal-rolling mills. 1,692,788; Nov. 20.
- Young, Lafayette, Alton, Ill., assignor to Laclede Steel Company, St. Louis, Mo. Magnetic colling device. 1,692,789; Nov. 20.

- Young, Lee C., assignor, by mesne assignments, to Western Wire Products Company, St. Louis, Mo. Pipe-vise stand. 1,695,311; Dec. 18.
- Young, Leo C. (See Meyer, R. B., and Young.)
- Young, Leo C. (See Taylor, A. H., and Young.)
- Young, Leo C., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Radio telegraph keying system. 1,683,118; Sept. 4.
- Young, Leonard A., Detroit, Mich. Golf ball. Des. 75,198; May 15.
- Young, Leonard A., Detroit, Mich. Golf ball. 1,656,408; Jan. 17.
- Young, Lorin W., New York, N. Y. Floor lamp. Des. 75,142; May 8.
- Young, Marie E. (See Young, Walter, assignor.)
- Young, Marvin S., Scarsdale, and A. Novick, Flushing, N. Y., said Novick assignor to said Young. Combination inflow-controlling and fluid-discharge means. 1,682,544; Aug. 28.
- Young, Maynard N., Healdsburg, and D. C. Patteson, Geyserville, Calif. Casing-drilling machine. 1,693,013; Nov. 27.
- Young, Melvin G., North Cambridge, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Method and apparatus for contacting films. 1,675,743; July 3.
- Young, Niels, Frankfurt-on-the-Main, Germany. Degasification of coal. 1,664,723; Apr. 3.
- Young Pump Company. (See Dunham, Clayton A., assignor.)
- Young, Ralph P. (See Kramer, Henry W., assignor.)
- Young, Raymond L., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Apparatus for and method of splicing multiply thread. 1,675,400; July 3.
- Young, Robert, New York, N. Y. Attachment for spectacles. 1,681,964; Aug. 28.
- Young, Samuel, San Francisco, Calif. Smoking stand. Des. 75,948; July 31.
- Young, Samuel, San Francisco, Calif. Smoking stand. Des. 75,949; July 31.
- Young, Samuel, San Francisco, Calif. Smoking set. Des. 76,110; Aug. 14.
- Young, Simeon A., Los Angeles, Calif. Filament switch. 1,669,437; May 15.
- Young, Thomas. (See Pagenhart, Benjamin F., assignor.)
- Young, Thomas, Enfield, England. Sound amplifier. 1,693,771; Dec. 4.
- Young, Walter, assignor to M. E. Young, Los Angeles, Calif. Concentrator. 1,659,935; Feb. 21.
- Young, William B., assignor to F. H. Hague, London, England. Hinge. 1,693,169; Nov. 27.
- Young, William C., assignor to Postum Company, Incorporated, Battle Creek, Mich. Packer and feeder for carton blanks. 1,689,272; Oct. 30.
- Young, Willis G., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Electric switch. 1,661,352; Mar. 6.
- Youngberg, Conrad D., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter. 1,677,315; July 17.
- Youngberg, Conrad D., assignor to Woodstock Typewriter Company, Woodstock, Ill. Case-shift mechanism for typewriters. 1,695,520; Dec. 18.
- Youngblood, David F., San Antonio, Tex. Pneumatic cage for prisons, vaults, and the like. 1,665,651; Apr. 10.
- Youngblood, David F., San Antonio, Tex. Speaking device. 1,672,593; June 5.
- Youngblood, Paul W., Los Angeles, Calif. Taking composite motion pictures. 1,669,963; May 15.
- Youngerman, Edgar, Des Moines, Iowa. Detachable anti-slipping means. 1,656,968; Jan. 24.
- Younghusband, James L., Chicago, Ill. Dorine for loose powder. 1,665,007; Apr. 3.
- Younghusband, James L., Chicago, Ill. Cosmetic container. 1,667,919; May 1.
- Youngstown Pressed Steel Company, The. (See Curtis, Lewis E., assignor.)
- Youngstown Pressed Steel Company, The. (See Galbreath, William W., assignor.)
- Youngstown Pressed Steel Co. (See Wilkinson, Zeno C., assignor.)
- Youngstown Steel Door Company, The. (See Barrows, Allan S., assignor.)
- Youngstown Steel Door Company. (See Barrows, Allan S., assignor.)
- Youngstown Steel Door Company, The. (See Hendricks, Harold H., assignor.)
- Younie, Lewis E., La Fayette, Calif. Digging implement. 1,688,771; Oct. 23.
- Younkman, John, and G. W. Hargett, Florence, Kans. Loading device. 1,658,873; Feb. 14.
- Yount, Horace J., Indianapolis, Ind. Micrometer caliper. 1,678,030; July 24.
- Yount, Willis H., assignor, by mesne assignments, to Monarch Foundry Company, Stockton, Calif. Tractor drive mechanism. 1,658,276; Feb. 7.
- Youtz, Merrill A., Chicago, Ill., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making lead alkyls. 1,658,544; Feb. 7.
- Ytterberg, Arle, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Suppressing high harmonics in commutating electric machines. 1,681,632; Aug. 21.
- Ytterberg, Arle, Ludvika, and A. Garde, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Intermittently-operating electric regulator. 1,657,056; Jan. 24.
- Ytterberg, Arle, Furuhall, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Limiting device for electric regulators. 1,663,674; Mar. 27.
- Yudowitch, Harry, now, by change of name, H. A. Newton, Brooklyn, N. Y. Edible fat. Re16,915; Mar. 20.
- Yuen, San D. J., New York, N. Y. Watch dial or similar article. Des. 76,445; Sept. 25.
- Yuill, John L. (See Fernbach, A., and Yuill.)
- Yuille, Nathaniel A., San Francisco, Calif. Dredger pipe line. 1,662,178; Mar. 13.
- Yuncok, John A., South Orange, N. J. Leading-in wire for evacuated containers and making same. 1,695,791; Dec. 18.
- Yurachek, Joseph L., Richmond, Va. Magazine holder. 1,655,004; Jan. 3.
- Yutz, William H. (See Carver, W. H., and Yutz.)
- Yutzler, Fred W., assignor to The Kent Company, Incorporated, Rome, N. Y. Floor machine. 1,675,078; June 26.
- Zabaljauregui, Justino, La Carlota, Occidental Negros, P. I. Shifting mechanism for headlights. 1,660,288; Feb. 21.
- Zabel, Charles, Coraopolis, assignor, by mesne assignments, to McDowell Manufacturing Company, Millvale, Pa. Mechanical toy or amusement device. 1,661,864; Mar. 6.
- Zabel, Charles, Coraopolis, assignor to McDowell Manufacturing Company, Millvale, Pa. Mechanical racing toy. 1,661,865; Mar. 6.
- Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Apparatus for cutting wire into lengths. 1,661,866; Mar. 6.
- Zabriskie, Charles L., New York, N. Y., assignor to Charles P. Rogers and Company (Inc.). Hydraulic jack. 1,673,386; June 12.
- Zabriskie, Charles L., New York, N. Y., assignor, by mesne assignments, to Rogers Products Co., Inc. Grease pump. 1,686,308; Oct. 2.
- Zabriskie, Charles L., New York, N. Y., assignor, by mesne assignments, to Rogers Products Co., Inc. Lubricating device. 1,686,309; Oct. 2.
- Zabriskie, Charles L., New York, N. Y., assignor, by mesne assignments, to Rogers Products Co., Inc. Lubricating device. 1,689,186; Oct. 23.
- Zabriskie, Edgar, et al. (See Rosentreter, Albert, J., as signor.)
- Zabriskie, Lester C. (See Drew, P., and Zabriskie.)
- Zacharias, August, Minneapolis, Minn. Ventilating system for stock buildings. 1,670,872; May 22.
- Zacharias, Karl, Philadelphia, Pa. Storage bin. 1,659,230; Feb. 14.
- Zachert, Arthur R., New Bedford, assignor to Atlas Tack Corporation, Fairhaven, Mass. Button. 1,673,033; June 12.
- Zachrisson, Ernst, Chicago, Ill. Lime-spreading machine. 1,663,787; Mar. 27.
- Zachs, William, et al. (See Hamiltonoff, Simon A., assignor.)
- Zack Wilson et al. (See Weston, Charles W., assignor.)
- Zadek, Arthur, New York, N. Y. Nursery-bath thermometer. 1,668,930; May 8.
- Zagorski, Johann, Frankfurt-on-the-Main, Germany, assignor, by mesne assignments, to American Luigi Corporation, New York, N. Y. Machine for making hollow tubes or conductors. 1,692,529; Nov. 20.
- Zahn, Karl. (See Kränzlein, G., Zahn, Ochwat, and Corell.)
- Zahn, Karl, and P. Ochwat, Höchst-on-the-Main, Germany, assignors to Gressell Dyestuff Corporation, New York, N. Y. Preparing derivatives of dibenzanthronyl. 1,675,014; June 26.
- Zahn, Karl, and W. Eckert, Höchst-on-Main, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Benzanthrone derivative and producing the same. 1,674,351; June 19.
- Zahn, Lawrence J. (See Mitchell, J. A., and Zahn.)
- Zahn, Lawrence J., Long Island City, assignor to International Postal Supply Company, Brooklyn, N. Y. Mail-marking machine. 1,680,313; Aug. 14.
- Zahoransky, Anton, Baden, Germany. Machine for treating brush stocks. 1,656,309; Jan. 17.
- Zähringer, Alexander, Stuttgart, Germany. Grinding machine. 1,678,413; July 24.
- Zaidan Hoin Rikagaku Kenkyujo. (See Suzuki, T., and Sakurai, assignors.)
- Zaiger, Louis, Lynn, Mass. Windshield wiper. 1,678,688; July 31.
- Zaiger, Max, Lynn, Mass. Tire-chain holder. 1,656,849; Jan. 17.
- Zaikowsky, Wladimir M., Pasadena, Calif., assignor to Standard Oil Development Company. Internal-combustion engine. 1,679,286; July 31.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,529; Feb. 21.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,530; Feb. 21.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,531; Feb. 21.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,532; Feb. 21.

- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,533; Feb. 21.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,534; Feb. 21.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,535; Feb. 21.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,770; Mar. 20.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,771; Mar. 20.
- Zaiser, William, Rockville Center, N. Y. Grand piano. Des. 74,772; Mar. 20.
- Zaiser, William, Rockville Center, N. Y. Grand-piano leg. Des. 74,773; Mar. 20.
- Zaiser, William, Rockville Center, N. Y. Grand-piano leg. Des. 74,774; Mar. 20.
- Zaiser, William, Rockville Center, N. Y. Grand-piano leg. Des. 74,775; Mar. 20.
- Zaiser, William, Rockville Center, N. Y., assignor to The Aeolian Company. Grand piano. Des. 76,336; Sept. 11.
- Zajac, Leopold, Milwaukee, Wis. Rotary compressor or motor. 1,675,524; July 3.
- Zallas, James, Detroit, Mich. Vehicle radiator cover. Des. 74,641; Mar. 6.
- Zalocco, Elisio, Seattle, Wash. Motor-vehicle lamp. 1,679,703; Aug. 7.
- Zalocostas, Andrianne, executrix. (See Zalocostas, Demetrius G.)
- Zalocostas, Demetrius G., deceased, by A. Zalocostas, Bondi, near Sydney, executrix, and J. Velissaropoulos, Bellevue Hill, near Sydney, executor, assignors to The Salt Production Syndicate Limited, Sydney, New South Wales, Australia. Extraction of salts from aqueous solutions. 1,684,935; Sept. 18.
- Zaluski, Tadeusz, Lwow, Poland. Bore-hole apparatus. 1,668,034; May 1.
- Zamboni, Frank J., Hynes, Calif., assignor to New Way Electric Company, Dover, Calif. Adjustable reaction resistance. 1,655,034; Jan. 3.
- Zamboni, Lawrence, assignor to B. H. Edwards, as trustee for Universal Safety Brake Company, Pasadena, Calif. Braking device. 1,671,879; May 29.
- Zanchi, Atrillo, Milan, Italy. Skein with the thread crossed in the form of a figure eight for the examination of the yarn and an apparatus for the production of the skein. 1,672,144; June 5.
- Zander, Leo M., Kansas City, Mo. Toy vehicle. 1,674,272; June 19.
- Zander, Walter E., assignor to Schletter & Zander, Inc., Philadelphia, Pa. Stocking. Des. 75,143; May 8.
- Zander, Walter E., Philadelphia, assignor to Schletter & Zander, Inc., Frankford, Philadelphia, Pa. Stocking. Des. 76,730; Oct. 23.
- Zane, Daniel F., Steubenville, Ohio. Tobacco pipe. 1,690,609; Nov. 6.
- Zaner-Bloser Company, The. (See Bloser, Parker Z., assignor.)
- Zangerle, Augustus J., Buffalo, and W. J. Zangerle, Mount Morris, N. Y. Sign. 1,680,581; Aug. 14.
- Zangerle & Peterson Company. (See Anderson, Otto A., assignor.)
- Zangerle, William J. (See Zangerle, Augustus J. and W. J.)
- Zantow, Henry C., Madison, Wis. Adjustable pencil eraser. 1,671,393; May 29.
- Zanzerle & Peterson Company. See Anderson, Otto A., assignor.)
- Zareko, Walter, Natural Bridge, N. Y. Merchandise-display device. 1,684,433; Sept. 18.
- Zarou Bros. (See Zarou, Salim G., assignor.)
- Zarou, Salim G., Brooklyn, assignor to Zarou Bros., New York, N. Y. Textile fabric or similar article of manufacture. Des. 76,446; Sept. 25.
- Zarracina, Isidro R., Valladolid, Spain. Carburetor. 1,672,923; June 12.
- Zarth, Henry F., assignor to American Range Corporation, Shakopee, Minn. Range. Des. 74,536; Feb. 21.
- Zarth, Henry F., assignor to American Range Corporation, Shakopee, Minn. Range. Des. 75,760; July 10.
- Zaslaff, Harry T. (See Gates, Steve, assignor.)
- Zaun, George F., San Bernardino, Calif. Stairs. 1,664,724; Apr. 3.
- Zavitovsky, Emil, and C. J. Lins, assignors to McKane-Lins Company, Milwaukee, Wis. Corner piece for a trunk or similar article. Des. 76,727; Oct. 23.
- Zavitovsky, Emil, and C. J. Lins, assignors to McKane-Lins Company, Milwaukee, Wis. Corner piece for a trunk or similar article. Des. 76,728; Oct. 23.
- Zbinden, Ernst, assignor to Hasler A.-G. vormalts Telegraphenwerkstatte von G. Hasler, Bern, Switzerland. Lubricating apparatus for flanged wheels. 1,685,040; Sept. 18.
- Zbinden, Eugen, assignor to Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Internal-combustion-engine locomotive. 1,691,598; Nov. 13.
- Zearing, Robert M., jr. (See Tittle, Walter, assignor.)
- Zearing, Robert M., jr. (See Zearing, Robert M., jr., assignor.)
- Zearing, Robert M., jr., and C. J. Ottenthal, assignors to R. M. Zearing, jr., Philadelphia, Pa. Dispensing device. 1,670,178; May 15.
- Zeder, James C., assignor to Chrysler Corporation, Detroit, Mich. Oil filter. 1,658,827; Feb. 14.
- Zedler, Robert J., Yonkers, N. Y. Display device. 1,686,359; Oct. 2.
- Zeger, Georges E., Montreuil, France, assignor, by mesne assignments, to du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Manufacture of plastic compounds. 1,685,443; Sept. 25.
- Zeh, Edmund W., Newark, N. J. Adjusting apparatus for power presses. 1,655,120; Jan. 3.
- Zeh, Edward A., Clifton, N. J. Decorating glassware and article produced thereby. 1,656,260; Jan. 17.
- Zeh, Ludwig. (See Duisberg, W., Hentrich, and Zeh.)
- Zeidler Economy Spring Pad Co. (See Zeidler, William A., assignor.)
- Zeidler, William A., New York, N. Y. Balanced-toggle valve. 1,681,966; Aug. 28.
- Zeidler, William A., assignor to Zeidler Economy Spring Pad Co., Inc., New York, N. Y. Pad for mangle rollers, ironing boards, and the like. 1,681,965; Aug. 28.
- Zeigler, Benjamin F., jr., assignor to The Guilberson Corporation, Dallas, Tex. Swab cup. 1,659,066; Feb. 14.
- Zeilenga, Harry, Homewood, Ill. Platform for disk harrows. 1,656,551; Jan. 17.
- Zeindhofer, Anton, Vienna, Austria, assignor to Groove Lock Co., Inc., New York, N. Y. Receptacle. 1,695,477; Dec. 18.
- Zeiser, Earl A., Cincinnati, Ohio. Infant's auto carrier. 1,664,958; Apr. 3.
- Zeiss, Carl. (See Graves, Basil, assignor.)
- Zeiss, Carl. (See Meyer, Franz, assignor.)
- Zeiss, Carl, a firm. (See Villiger, W., and Bauersfeld, assignor.)
- Zeiss, firm: Carl. (See Scheid, J. F., and Tonndorf, assignors.)
- Zeiss, firm: Carl. (See Steinle, Adolf, assignor.)
- Zeiss, firm: Carl. (See Van Albada, Lieuwie E. W., assignor.)
- Zeiss, firm: Carl. (See von Gruber, Otto, assignor.)
- Zeiss, firm: Carl. (See Wandersleb, Ernst.)
- Zeiss, firm: Carl. (See Wandersleb, Ernst, assignor.)
- Zeiss, firm: Carl. (See Bauersfeld, W., and Schmidt, assignors.)
- Zeiss, firm of Carl. (See Henker, Otto, assignor.)
- Zeiss, firm of Carl. (See Kabisus, Walter, assignor.)
- Zeiss, firm of Carl. (See Steinle, Adolf, assignor.)
- Zeiss-Jkon Aktiengesellschaft. (See Goldberg, E., and Nowicki, assignors.)
- Zeitinger, Anthony F., St. Louis, Mo. Inking mechanism. 1,675,442; July 3.
- Zeiter, Albert L., Bronson, Mich., assignor to Westinghouse Electric and Manufacturing Company. Lamp bracket. Des. 75,671; June 26.
- Zeiter, Hugo A., Luxemburg, Wis. Device for lifting comb frames used in beehives. 1,669,641; May 15.
- Zeitlin, Herbert, assignor to Bright Automatic Machine Co., Inc., New York, N. Y. Battery-cup machine. 1,657,101; Jan. 24.
- Zeitz, Hugo C. (See Street, James A., assignor.)
- Zelberglet, Abraham N., Oakland, Calif. Adjustable mounting for bench tool and the like. 1,667,504; Apr. 24.
- Zelenka, Edward J., Minneapolis, Minn. Bearing for centrifugal extractors. 1,685,347; Sept. 25.
- Zelger, Georges E., Montreuil, France, assignor, by mesne assignments, to Du Pont-Pathe Film Manufacturing Corporation, Wilmington, Del. Manufacture of plastic compounds. 1,685,444; Sept. 25.
- Zelstoffsabrik Waldhof. (See Soyes, Friedrich, assignor.)
- Zelkowitz, Herman L. (See Zelkowitz, Nathan and H. L., and Bravman.)
- Zelkowitz, Nathan and H. L., and B. Bravman, Wilkes-Barre, Pa. Dispensing device. 1,696,787; Dec. 25.
- Zell, David H., Inc. (See Punzak, Joseph F., assignor.)
- Zell, David H., Inc. (See Sandkuhl, Edmund H., assignor.)
- Zell, David H., Brooklyn, N. Y. Coin bank. Des. 74,910; Apr. 10.
- Zell, David H., Brooklyn, N. Y. Vanity case. Des. 75,399; May 29.
- Zeller, Isaiah N., New York, N. Y. Food product and preparing the same. 1,686,785; Oct. 9.
- Zeller, Isaiah N., Brooklyn, N. Y. Food product and making same. 1,686,786; Oct. 9.
- Zeller, Joseph V. (See Hlower, J. B., and Zeller.)
- Zellmann, Rudolf, Radebeul, and D. Lammering, Brunswick, assignors to Chemische Fabrik von Heyden, Radebeul-Dresden, Germany. Plant disinfectant and producing the same. 1,694,497; Dec. 11.
- Zellner, Henry G., Fort Myers, assignor to Zeltroicide Chemical Corporation, Lakeland, Fla. Composition for treating fruit. 1,696,703; Dec. 25.
- Zellner, Henry G., Fort Myers, assignor to Zeltroicide Chemical Corporation, Lakeland, Fla. Composition for treating fresh fruits and vegetables. 1,696,704; Dec. 25.
- Zellstoffabrik Waldhof. (See Clemm, Hans, assignor.)
- Zellstoffabrik Waldhof. (See Hangleiter, C., and Schneider, assignors.)
- Zelov, Victor I., Rosemont, Pa. Fluid-pressure-operated vehicle brake. 1,662,096; Mar. 13.
- Zelt, Elmer J., Fort Wayne, Ind., assignor to General Electric Company. Terminal block for current transformers. 1,667,617; Apr. 24.
- Zeltroicide Chemical Corporation. (See Zellner, Henry G., assignor.)
- Zeman, Anton, Chicago, Ill. Internal-combustion engine. 1,695,792; Dec. 18.

- Zeman, Charles A., Manitowoc, Wis. Child's slide. 1,680,737; Feb. 28.
- Zeman, Edmund. (See Formánek, F., and Zeman.)
- Zendron, Benjamin, Craig, Colo. Planter. 1,695,074; Dec. 11.
- Zenith Radio Corporation. (See Hansen, Christian W., assignor.)
- Zenith Radio Corporation. (See Vasselli, Anthony J., assignor.)
- Zenker, Oscar E., assignor to Reliance Fireproof Door Co., Brooklyn, N. Y. Metal door and the like. 1,696,373; Dec. 25.
- Zenkner, Arthur, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Rotary condenser. 1,672,856; June 5.
- Zennoek, Jonathan, Munich, Germany, and E. Knopp, New York, N. Y. Tone receiver for undamped oscillations. 1,690,918; Nov. 6.
- Zentner, Karl, Frankfurt-on-the-Main, Germany. Apparatus for kneading and forming amalgams. 1,694,524; Dec. 11.
- Zeolite Engineering Co. (See Kenney, William J., assignor.)
- Zepf, William G., assignor to Whitehurst Printing and Binding Company, Troy, N. Y. Gumming machine. 1,661,353; Mar. 6.
- Zerbe, Lewis E. (See Timbs, E., and Zerbe.)
- Zerbe, Lewis E., Moneta, Calif. Flexible coupling. 1,657,773; Jan. 31.
- Zerbe, Lewis E., Moneta, Calif., and M. T. Archer, Pittsburgh, Pa. Differential-gear mechanism. 1,667,181; Apr. 24.
- Zerk, Oscar, now by judicial change of name O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,672,972; June 12.
- Zerk, Oscar, now by judicial change of name, Oscar Ulysses Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,679,512; Aug. 7.
- Zerk, Oscar, now by judicial change of name, Oscar Ulysses Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,679,887; Aug. 7.
- Zerk, Oscar, now by judicial change of name O. U. Zerk, Chicago, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company. Automatic grease gun and the like. 1,684,080; Sept. 11.
- Zerk, Oscar, now by judicial change of name, O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating system. 1,688,571; Oct. 23.
- Zerk, Oscar, now by judicial change of name, O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to Alemite Manufacturing Corporation. Grease gun. 1,692,319; Nov. 20.
- Zerk, Oscar, now by judicial change of name, O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to Alemite Manufacturing Corporation. Lubricating apparatus. 1,692,320; Nov. 20.
- Zerk, Oscar, now by judicial change of name, O. U. Zerk, Cleveland, Ohio, assignor, by mesne assignments, to Alemite Manufacturing Corporation, Chicago, Ill. Grease gun. 1,695,627; Dec. 18.
- Zerk, Oscar U. (See Zerk, Oscar.)
- Zerk, Oscar U., Cleveland, Ohio, assignor to Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,655,213; Jan. 3.
- Zerk, Oscar U., Cleveland, Ohio, assignor to Bassick Manufacturing Company, Chicago, Ill. Lubricating apparatus. 1,679,888; Aug. 7.
- Zerk, Oscar U., Newark, N. J., assignor, by mesne assignments, to The Bassick Manufacturing Company. Automatic lubricant cup. 1,689,613; Oct. 30.
- Zerk, Oscar U., Chicago, Ill. Tripot. 1,672,596; June 5.
- Zerk, Oscar U., Chicago, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating-dispensing apparatus. 1,676,626; July 10.
- Zernentsh, Joseph M., Buffalo, N. Y. Cap. Des. 74,406; Feb. 7.
- Zernik, Franz, Wurzburg, Germany. Light filter. 1,688,259; Oct. 16.
- Zerweck, Werner. (See Herz, R., and Zerweck.)
- Zerweck, Werner. (See Herz, R., Schulte, and Zerweck.)
- Zetterlund, Carl, Chicago, Ill. Hoisting apparatus. 1,688,170; Oct. 16.
- Zica, John, Lackawanna, assignor of one-half to J. Pudaloff, Niagara Falls, N. Y. Digging, lifting, and conveying apparatus. 1,666,869; Apr. 17.
- Zick, Walter F., Alhambra, Calif. Gas heating stove. 1,664,277; Mar. 27.
- Zidell, William I., Los Angeles, Calif. Chromatic-scale keyboard. 1,680,582; Aug. 14.
- Zido, Stephen, Richmond Hill, N. Y. Toilet-paper-roll-securing device. 1,664,278; Mar. 27.
- Zieharth, Frederick A., Delano, Minn. Fence construction. 1,666,765; Apr. 17.
- Zieburts, Henry C., Cleveland Heights, Ohio. Clothespin. 1,679,196; July 31.
- Ziegler, Arthur W., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Current-balloasting device. 1,690,566; Nov. 6.
- Ziegler, Charles E., Pittsburgh, Pa. Umbilical clamp tool. 1,683,119; Sept. 4.
- Ziegler, Gustav, assignor to A. Hch. Rietzschel G. m. b. H., Munich, Germany. Photographic camera. 1,682,260; Aug. 28.
- Ziegler, Harold B., Duncan, Okla. Draw works. 1,663,431; Mar. 20.
- Ziegler, Walter R., Riverside, N. J. Hosiery carton. 1,690,883; Nov. 6.
- Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding display card. 1,664,585; Apr. 3.
- Ziemmerman, Henry, assignor to Chicago Card Board Company, Chicago, Ill. Display dispenser. 1,678,094; July 24.
- Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding-shelf display card. 1,633,007; Sept. 4.
- Ziepl, Sebastian. (See Lemansky, A., and Ziepl.)
- Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train-carried receiver for automatic train-control systems. 1,655,005; Jan. 3.
- Zierdt, Conrad H., Rosedale, Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train-carried receiver for automatic train-control systems. 1,655,006; Jan. 3.
- Zierdt, Conrad H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,679,013; July 31.
- Zifferer, Lothar R., Columbia, Pa. Toggle bolt. 1,656,409; Jan. 17.
- Zifferer, Lothar R., Columbia, Pa. Toggle bolt. 1,658,959; Feb. 14.
- Ziganeck, Ferdinand, and W. E. Mettler, Detroit, Mich. Window construction. 1,663,932; Mar. 27.
- Zigerli, Paul. (See Trachsel, F., Wiedmer, and Zigerli.)
- Ziler, Corban H., Carthage, Mo., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wire-spring-making machine. 1,682,949; Sept. 4.
- Zilinear, August, New York, N. Y. Lamp shade. 1,659,420; Feb. 14.
- Zilky, Louis C. (See Stoddard, E. R., and Zilky.)
- Zillger, Arno, Narberth, assignor to Music Master Corporation, Philadelphia, Pa. Adjusting the antenna of radio apparatus. 1,666,480; Apr. 17.
- Zilliox, John, assignor to Park Metalware Company, Orchard Park, N. Y. Wire coupler. 1,677,376; July 17.
- Zilliox, John, Orchard Park, N. Y. Multiple-bit tool. 1,689,376; Oct. 30.
- Zim Manufacturing Company. (See Berkman, Herbert A., assignor.)
- Zimits, Michael, Brooklyn, N. Y. Racking mechanism for knitting machines. 1,669,032; May 8.
- Zimmer, Carl, Scranton, Pa. Device for waving hair. 1,667,920; May 1.
- Zimmer, Ernest B., assignor to Liberty Gauge & Instrument Company, Cleveland, Ohio. Electric toaster. 1,662,652; Mar. 13.
- Zimmer, Jacob W., Cleghorn, Iowa. Fountain brush. 1,668,931; May 8.
- Zimmer, Samuel B., Los Angeles, Calif. Control hinge. 1,670,921; May 22.
- Zimmerer, Frederick J., jr., assignor to The Russell Manufacturing Company, Middletown, Conn. Elastic garter webbing. Des. 74,640; Mar. 6.
- Zimmerer, Frederick J., jr., assignor to The Russell Manufacturing Company, Middletown, Conn. Elastic fabric. Des. 77,212; Dec. 11.
- Zimmerli, Adolph, New Brunswick, N. J. Concentrating formaldehyde solutions. 1,662,179; Mar. 13.
- Zimmerli, Adolph, New Brunswick, N. J., assignor, by mesne assignments, to Acetol Products, Inc. Apparatus for producing glass substitutes. 1,677,576; July 17.
- Zimmerli, Gottlieb, Aarburg, Switzerland. Wetting and degreasing agent. 1,672,292; June 5.
- Zimmerling, Otto E., Wauwatosa, Wis. Bowling-ball-polishing attachment for pin trimming and polishing machines. 1,694,900; Dec. 11.
- Zimmerman, Albert L., assignor to N. S. Amstutz, Valparaiso, Ind. Battery-terminal tongs. 1,674,612; June 19.
- Zimmerman, Arthur C., Dayton, Ohio. Treatment of magnesium and magnesium alloys to inhibit corrosion. 1,677,667; July 17.
- Zimmerman, Arthur G., Schenectady, N. Y., assignor to General Electric Company. Sound-reproducing device. 1,689,513; Oct. 30.
- Zimmerman, Earl W., Syracuse, N. Y. Roller for conveyers. 1,695,075; Dec. 11.
- Zimmerman, Emil C., assignor to Q & C Company, New York, N. Y. Insulated rail joint. 1,683,432; Sept. 4.
- Zimmerman, Ernest R. (See Frank, M., and Zimmerman.)
- Zimmerman, Frances C., Cincinnati, Ohio. Glue dissolver and converter. 1,667,339; Apr. 24.
- Zimmerman, Frank D., and E. M. Pyle, Jerome, Pa. Circuit controller. 1,664,534; Apr. 3.
- Zimmerman, Harry C., Washington, D. C. Trail connection for gun carriages. 1,654,908; Jan. 3.
- Zimmerman, Harry C., Washington, D. C. Mount for guns. 1,667,182; Apr. 24.
- Zimmerman, Harry C., Washington, D. C. Draft coupling. 1,680,236; Aug. 7.

- Zimmerman, Harry C., Washington, D. C. Brake mechanism. 1,683,515; Sept. 4.
- Zimmerman, Harry G., Philadelphia, Pa. Trap cover and clamp. 1,688,171; Oct. 16.
- Zimmerman, Henry A., assignor of one-half to M. M. Wall, Logansport, Ind. High-pressure grease gun. 1,661,521; Mar. 6.
- Zimmerman, Herman. (See Frank, M., and Zimmerman.)
- Zimmerman, Herman F., Los Angeles, Calif. Dowel. 1,669,847; May 15.
- Zimmerman, Jacob, assignor to Paramount Knitting Mills, Philadelphia, Pa. Sweater. 1,662,731; Mar. 13.
- Zimmerman, Paul G., and B. V. Korvin-Kroukovsky, Keyport, N. J., assignors, by mesne assignments, to Healey-Aeromarine Bus Company, Inc. Folding top for flying boats. 1,682,027; Aug. 28.
- Zimmerman, Rufus E. (See O'Brien, T., and Zimmerman.)
- Zimmerman, Victor, Holyoke, Mass. Game. 1,667,450; Apr. 24.
- Zimmerman, Walter J. (See Harlan, H. C., and Zimmerman.)
- Zimmerman, William J., Knoxville, Tenn. Cloth pattern. 1,678,756; July 31.
- Zimmermann, Fred D., and C. Wells, Mount Clare, Nebr., said Wells assignor to said Zimmermann. Automatic all-weather-strip. 1,677,067; July 10.
- Zimmermann, Lillie, Fond du Lac, Wis. Card game. 1,677,010; July 10.
- Zimmermann, William F., Maplewood, N. J. Shaping machine with variable-power traverse. 1,685,659; Sept. 25.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Crank-pin lock nut and guard. 1,659,714; Feb. 21.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Rail clamp with concentrated control. 1,660,367; Feb. 28.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Shaping machine having constant power traverse. 1,665,398; Apr. 10.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Adjustable spindle bearing for hobbing machines. 1,676,310; July 10.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Cross-rail guard. 1,676,311; July 10.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Hobber with quickly-dismountable arbor support. 1,687,921; Oct. 16.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Spindle-carriage guide and adjustment. 1,689,614; Oct. 30.
- Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Eccentric vise. 1,690,611; Nov. 6.
- Zimmermann, William F., Maplewood, and H. Hauser, Irvington, assignors to Gould & Eberhardt, Newark, N. J. Shaper feed mechanism with stationary control. 1,689,615; Oct. 30.
- Zimmermann, William F., Maplewood, and D. V. Waters, Hillsdale, assignors to Gould & Eberhardt, Newark, N. J. Movable and stationary feed control for shaping machine work tables. 1,690,610; Nov. 6.
- Zimmermann, William F., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 1,691,599; Nov. 13.
- Zimmermann, William F., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Support for implement retainers. 1,691,694; Nov. 13.
- Zimniewicz, Anthony, New York, N. Y., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Paper-cutting mechanism. 1,660,950; Feb. 28.
- Zimniewicz, Anthony, New York, N. Y., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Rotary cutter. 1,663,788; Mar. 27.
- Zindel, Ernst, assignor to the firm: Schärer-Nussbaumer & Co., Erlenbach, Switzerland. Pirn winder. 1,659,127; Feb. 14.
- Zindel, Henry, Hammononton, N. J. Ring. 1,656,807; Jan. 17.
- Zinzall, Antoinette, New York, N. Y. Square for designing garment patterns. 1,667,646; Apr. 24.
- Zinis, Fred, Washington, D. C. Necktie holder. 1,660,738; Feb. 28.
- Zink, Clyde M. (See White, Isaac D., assignor.)
- Zink, Fred W., assignor to Kales Stamping Company, Detroit, Mich. Support for rear-view mirrors. 1,691,323; Nov. 13.
- Zinke, Alois, and K. Funke, Graz, Austria, assignors to F. Bensa, Genoa, Italy. Manufacture of highly-chlorinated perylenes. 1,681,077; Aug. 14.
- Zinn, Manuel K. (See French, N. R., and Zinn.)
- Zinn, Reinhold, Cleveland, Ohio. Combination scraper and joiner. 1,682,545; Aug. 28.
- Zins, Hubert, Wabasso, Minn. Veterinary obstetrical forceps. 1,687,418; Oct. 9.
- Zins, Hubert, Wabasso, Minn. Veterinary obstetrical forceps. 1,690,044; Oct. 30.
- Zlock, Edward J., Rockford, Ill. Device for holding stockings on forms. 1,666,840; Apr. 17.
- Zlock, Edward J., Rockford, Ill. Apparatus for drying and shaping knitted articles. 1,692,430; Nov. 20.
- Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Heating unit and making same. 1,655,720; Jan. 10.
- Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Portable electric cooker. 1,663,744; Mar. 27.
- Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric terminal construction. 1,693,881; Dec. 4.
- Zipkes, Maximilian. (See Horn, S., and Zipkes.)
- Zipper, Emil and W., Vienna, Austria. Divided rim. 1,689,273; Oct. 30.
- Zipper, Walter. (See Zipper, Emil and W.)
- Zisch, George J., Newark, N. J. Whistle. Des. 76,516; Oct. 2.
- Zisch, George J., Newark, N. J. Integral housing for rotary pumps and associated parts. 1,675,079; June 26.
- Zisch, George J., Newark, N. J. Instantaneous electric water heater. 1,692,321; Nov. 20.
- Ziser, George J. (See Chappell, M. L., Ziser, and Moyer.)
- Ziska, Adam, Jr., Milwaukee, Wis., assignor, by mesne assignments, to Wood Conversion Company, Cloquet, Minn. Press. 1,690,152; Nov. 6.
- Zitkowski, Emil C., San Fernando, P. I. Comparator. 1,675,967; July 5.
- Zitscher, Arthur. (See Laska, A. L., and Zitscher.)
- Zitscher, Arthur. (See Laska, L., and Zitscher.)
- Zitzmann, George, New York, N. Y., assignor to Automatic Motor Control Corporation. Engine-testing gauge. 1,683,710; Sept. 11.
- Zöbelein, August, Nuremberg, Germany. Conveying device. 1,671,917; May 29.
- Zöbelein, August, Nuremberg, Germany. Conveying device. 1,671,918; May 29.
- Zoda, Salvatore, Trenton, N. J. Skim gate. 1,657,952; Jan. 31.
- Zogbaum, Ferdinand. (See Field, J. C., and Zogbaum.)
- Zohe, Ludwig A., Syracuse, N. Y. Liquid container, nursing bottle. 1,695,076; Dec. 11.
- Zoia, Hector G., Cleveland, Ohio. Apparatus for maintaining temperature of foods prior to service. 1,672,636; June 5.
- Zollinger, Ezra J., Logan, Utah. Carburetor. 1,663,872; Mar. 27.
- Zollman, John G., Chicago, Ill. Calculating device. 1,691,104; Nov. 13.
- Zomnir, Joseph E., Springfield, Mass., assignor to The Diamond Match Company, Chicago, Ill. Card matches. 1,658,321; Feb. 7.
- Zomnir, Joseph E., and C. L. Pfersch, Springfield, Mass., assignors to The Diamond Match Company, Chicago, Ill. Match-making machine. 1,666,547; Apr. 17.
- Zonite Products Company. (See Wright, John H., assignor.)
- Zook, David F., Evanston, Ill. Oil purifier. 1,680,716; Aug. 14.
- Zook, John E., Kansas City, Mo. Window washer. 1,666,190; Apr. 17.
- Zorger, William H., Champaign, Ill. Automobile-headlight lens. 1,674,460; June 19.
- Zork, David, Chicago, Ill. Extension table. 1,665,833; Apr. 10.
- Zorn, John B., Kansas City, Mo. Duster and wash stick. 1,681,967; Aug. 28.
- Zorn, Werner, Berlin, Germany. Direction indicator. 1,659,850; Feb. 21.
- Zoss Ladder Works. (See Schulzke, Richard F., assignor.)
- Zottoli, Frank M., Boston, Mass. Tidewater system. 1,683,277; Sept. 4.
- Zouck, George H., Orange, N. J., assignor to Franklin Railway Supply Company. Locomotive booster apparatus. 1,654,909; Jan. 3.
- Zouri Drawn Metals Company. (See Nelson, Charles G., assignor.)
- Zubat, Joseph. (See Spencer, L. M., and Zubat.)
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer drive on propeller shafts. 1,662,557; Mar. 13.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Lighting means for instrument assemblies. 1,668,521; May 1.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Lighting means for instrument panels. 1,668,522; May 1.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer-drive gear. 1,668,750; May 8.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Instrument assembly. 1,671,919; May 29.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Instrument-dial illumination. 1,671,920; May 29.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Thermostatic control for speedometers. 1,672,189; June 5.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Illuminated instrument panel. 1,675,628; July 3.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Flexible shaft connection. 1,680,000; Aug. 7.
- Zubat, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,690,355; Nov. 6.

- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Clutch-shifting mechanism for odometers. 1,690,356; Nov. 6.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Clock construction. 1,694,760; Dec. 11.
- Zubaty, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Connection of flexible shaft to speedometer. 1,694,761; Dec. 11.
- Zublin, John A. (See Sperry, R. A., Dickey, and Zublin.)
- Zublin, John A., Los Angeles, Calif. Sectional barrel for oil-well pumps. 1,663,228; Mar. 20.
- Zublin, John A., Los Angeles, Calif., and W. L. Borough, Fullerton, Calif.; said Borough assignor to said Zublin. Reciprocating pump with individual joints between plungers. 1,680,717; Aug. 14.
- Zubow, William, Chicago, Ill. Refrigerator latch. 1,662,449; Mar. 13.
- Zuck, Nicholas, Rochester, N. Y. Garment construction. 1,683,226; Sept. 4.
- Zucker, George L., East Orange, N. J. Weighing mechanism. 1,680,192; Aug. 7.
- Zucker, Theodore F., assignor, by mesne assignments, to University Patents, Inc., New York, N. Y. Obtaining certain remedial principles of oils. 1,678,454; July 24.
- Zuckerman, Adolph M., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Delivery mechanism. 1,635,804; Jan. 10.
- Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Intaglio printing machine. 1,688,843; Oct. 23.
- Zuckerman, Adolph M., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Delivery mechanism. 1,693,632; Dec. 4.
- Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for intaglio-printing machines. 1,695,793; Dec. 18.
- Zuckerman, Roscoe C., Stockton, Calif. Onion harvester. 1,671,263; May 29.
- Zuellig, Eugene, Hamilton, Ohio. Molding ring. 1,685,660; Sept. 25.
- Zukor, Arnold, New York, N. Y. Combined door fastener and alarm. 1,683,854; Sept. 11.
- Zukor, Arnold, and H. Irmscher, New York, N. Y. Combined door fastener and alarm. 1,695,077; Dec. 11.
- Zumbalen, Joseph H. (See Rose, Dalton K., assignor.)
- Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Refrigerating system with automatic control. 1,662,558; Mar. 13.
- Zumbro, Frank R., assignor to Frick Company, Waynesboro, Pa. Automatic control for refrigerating systems. 1,673,218; June 12.
- Zumbro, Frank R., and F. Shenton, assignors to Frick Company, Waynesboro, Pa. Automatic starter. 1,690,187; Nov. 6.
- Zumbühl, Jules, Basel, Switzerland. Transposing device for keyed instruments. 1,666,025; Apr. 10.
- Zundel, Eugene A., Chicago, Ill. Closet seat. 1,691,176; Nov. 13.
- Zurstadt, George J., and W. Abigt, Evansville, Ind. Parlor heater. Des. 74,466; Feb. 14.
- Zuschlag, Theodor, New York, N. Y., assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,665,683; Apr. 10.
- Zuschlag, Theodor, assignor to The Taumac Corporation, New York, N. Y. Method and apparatus for exploring subterranean strata. 1,676,847; July 10.
- Zuschlag, Theodor, assignor to The Taumac Corporation, New York, N. Y. Method and apparatus for locating ore bodies. 1,692,530; Nov. 20.
- Zusmer, Moses, Bronx, N. Y. Cutting machine. 1,668,257; May 1.
- Zvorikin, Jean, Paris, France. Spinning and twisting frame. 1,664,959; Apr. 3.
- Zwart, Klaas, Sheboygan Falls, Wis. Signal means for boiling liquids. 1,692,363; Nov. 20.
- Zweig, Charles, Wood River, Ill. assignor to Standard Oil Company, Whiting, Ind. Removal of petrolatum from oils. 1,694,090; Dec. 4.
- Zweig, Harry A., Chicago, Ill. Electric pollisher. 1,667,579; Apr. 24.
- Zweig, Joseph, Brooklyn, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lighting fixture. Des. 75,032; May 1.
- Zweig, Joseph, Brooklyn, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lighting fixture. Des. 75,817; July 17.
- Zweig, Joseph, Brooklyn, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Telephone cabinet. Des. 75,845; July 24.
- Zweig, Joseph, Brooklyn, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Lighting fixture. Des. 75,995; Aug. 7.
- Zweig, Joseph, Brooklyn, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Glass bowl. Des. 76,973; Nov. 20.
- Zweig, Joseph, Brooklyn, assignor to Metropolitan Lamp Co., Inc., New York, N. Y. Handle for smoking stands or similar articles. Des. 77,142; Dec. 4.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Table torchère or analogous article. Des. 74,289; Jan. 17.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Candlestick or analogous article. Des. 74,407; Feb. 7.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Candlestick or analogous article. Des. 74,408; Feb. 7.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Table ornament or analogous article. Des. 74,409; Feb. 7.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp panel or article of analogous nature. Des. 75,317; May 22.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Lamp panel or article of analogous nature. Des. 75,318; May 22.
- Zweig, Louis, Brooklyn, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Combined mirror frame and clock case. Des. 75,539; June 12.
- Zweibergk, Thorsten, London, England. Circuit making and breaking device. 1,666,675; Apr. 17.
- Zweigle, Gottlob, Reutlingen, Germany. Testing the quality of cotton fibers and the like. 1,681,605; Aug. 21.
- Zwiebel, Ambrose A., Wilkes-Barre, Pa. Umbrella. 1,678,414; July 24.
- Zwiebel, Carl. (See Jones, R. G., and Zwiebel.)
- Zwicky, Jean, London, England. Pump. 1,694,610; Dec. 11.
- Zwierzina, Alois J. (See Ackerman, E. L., and Zwierzina.)
- Zwilling, Bernhard, deceased; K. Zwilling, administratrix, New York, N. Y., assignor, by mesne assignments, to Tar & Petroleum Process Company, Chicago, Ill. Distilling coal. 1,656,617; Jan. 17.
- Zwilling, Klara, administratrix. (See Zwilling, Bernhard.)
- Zworykin, Vladimir K., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cathode construction for thermionic devices. 1,657,986; Jan. 31.
- Zworykin, Vladimir K., Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric cell. 1,677,316; July 17.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making resistance devices. 1,682,547; Aug. 28.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television system. 1,691,324; Nov. 13.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Television system. 1,689,847; Oct. 30.
- Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mercury-arc device. 1,696,023; Dec. 18.
- Zylstra, Jake, Sheldon, Iowa. Husking device. 1,670,225; May 15.

ALPHABETICAL LIST OF DISCLAIMERS

- Alexander, Clive M., New York, N. Y. Disclaimer filed by the patentee. No. 1,585,224; disclaimer filed June 28, 1928; v. 372; p. 522.
- Armstrong, Percy A. E., Loudonville, N. Y. Disclaimer filed by the patentee and the assignee, Ludlum Steel Company. No. 1,322,511; disclaimer filed Jan. 3, 1928; v. 366; p. 480.
- Belknap, Edwin D., East Orange, N. J. Disclaimer filed by the patentee, licensee, Rapid Addressing Machine Co., consenting. No. 1,256,509; disclaimer filed Jan. 27, 1928; v. 367; p. 235.
- Black, John C., Destrehan, La. Disclaimer filed by the assignee, Gasoline Products Company, Inc. No. 1,431,772; disclaimer filed Aug. 9, 1928; v. 374; p. 249.
- Brown, Ray M., Yonkers, N. Y. Disclaimer filed by the assignees, Howard L. Ingersoll, the Locomotive Booster Company, and Franklin Railway Supply Company (assignees not recorded). No. 1,380,848; disclaimer filed Aug. 29, 1928; v. 374; p. 706.
- Carlin, Samuel E., Chicago, Ill. Disclaimer filed by the assignee by mesne assignments, John T. Underwood. Nos. 1,208,287 and 1,208,288; disclaimers filed Oct. 29, 1925; v. 373; p. 522. (Two cases.)
- Carpenter, Warren W., Brooklyn, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,506,884; disclaimer filed Apr. 4, 1928; v. 370; p. 5.
- Chillas, Richard B., jr., Philadelphia, Pa. Disclaimer filed by the patentee, assignee, The Barrett Company, assenting. No. 1,612,572; disclaimer filed Apr. 26, 1928; v. 370; p. 516.
- Chisholm, Arron R., East Orange, N. J. Disclaimer filed by the patentee. No. 1,651,193; disclaimer filed Nov. 14, 1928; v. 377; p. 235.
- Coyle, Paul L., Pittsburgh, Pa. Disclaimer filed by the assignee by mesne assignments, The Colonial Trust Company, trustee. No. 1,597,955; disclaimer filed Mar. 28, 1928; v. 369; p. 236.

- Crews, Clarence M., Brooklyn, N. Y. Disclaimer filed by the assignee, Underwood Typewriter Company (by change of name Underwood Elliot Fisher Company). No. 1,565,550; disclaimer filed Apr. 19, 1928; v. 370; p. 251.
- Daine, Robert L., New York, N. Y. Disclaimer filed by the patentee, assignee, Trans-Lux Daylight Picture Screen Corporation, consenting. No. 1,664,772; disclaimer filed Aug. 11, 1928; v. 373; p. 762.
- Densmore, Albert A., Brookline, Mass. Disclaimer filed by the patentee. No. 1,483,872; disclaimer filed Feb. 24, 1928; v. 368; p. 264.
- Ellis, James R., Chevy Chase, D. C. Disclaimer filed by the assignee, The Liquid Carbonic Corporation. No. 1,441,672; disclaimer filed Oct. 28, 1928; v. 376; p. 274.
- Fink, Colin G., New York, N. Y. Disclaimer filed by the assignee by mesne assignments, United Chromium, Incorporated. No. 1,581,188; disclaimer filed June 20, 1928; v. 372; p. 255.
- Golding, Edwin I., New York, N. Y. Disclaimer filed by the assignee, Stehlé Fabrics Corporation. No. 1,655,387; disclaimer filed Feb. 10, 1928; v. 367; p. 704.
- Goodrum, Charles L., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. Nos. 1,480,202, 1,484,771, 1,506,899, 1,515,735, and 1,541,347; disclaimers filed Apr. 4, 1928; v. 370; p. 4; and No. 1,540,066; disclaimer filed May 24, 1928; v. 371; p. 6. (Six cases.)
- Greer, Butler F., San Francisco, Calif. Disclaimer filed by the patentee. No. 1,460,716; disclaimer filed Sept. 11, 1928; v. 375; p. 212.
- Grelek, William P. M., Lincoln, Nebr. Disclaimer filed by the assignee by mesne assignments, Grelek-Hovey Patent Company, with approval of licensee, Consolidated Products Co. Nos. 1,272,035 and 1,230,479; disclaimers filed Feb. 3, 1928; v. 367; p. 472. (Two cases.)
- Hall, Frank W., Port Arthur, Tex. Disclaimer filed by the assignee, The Texas Company. No. 1,562,550; disclaimer filed July 25, 1928; v. 373; p. 8.
- Herthel, Eugene C., Chicago, Ill., and Edward W. Isom, Locust Valley, N. Y. Disclaimer filed by the assignee, Sinclair Refining Company. No. 1,592,489; disclaimer filed Nov. 23, 1928; v. 377; p. 235.
- Hill, Calvin H., Oak Park, Ill. Disclaimer filed June 25, 1928; by the assignee by mesne assignments, Heywood-Wakefield Company. No. 1,290,557; disclaimer filed June 25, 1928; v. 372; p. 522.
- Hinrichsen, Edward E., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,507,116; disclaimer filed Apr. 4, 1928; v. 370; p. 5.
- Hinton, George B., Mexico, Mexico. Disclaimer filed by the patentee. No. 1,657,716; disclaimer filed Aug. 1, 1928; v. 373; p. 538.
- Hoffmann, Henry L., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,521,771; disclaimer filed May 24, 1928; v. 371; p. 6.
- Holliday, Robert L., New York, N. Y. Disclaimer filed by the assignee, Industrial Spray Drying Corporation. Reis. No. 16,749; disclaimer filed Oct. 9, 1928; v. 375; p. 722.
- Ingersoll, Howard L., White Plains, N. Y. Disclaimer filed by the patentee, and assignees (not recorded) Locomotive Booster Company and Franklin Railway Supply Company. No. 1,547,155; disclaimer filed Aug. 29, 1928; v. 374; p. 706.
- Irvine, Frank S., Huntington, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,541,356; disclaimer filed Jan. 11, 1928; v. 366; p. 866.
- Kadel, Byers W., Baltimore, Md. Disclaimer filed by the patentee, assignee, The Wine Railway Appliance Company, consenting. No. 1,434,953; disclaimer filed July 14, 1928; v. 373; p. 8.
- Kerr, Mark B., Rosebank, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,577,033; disclaimer filed Oct. 4, 1928; v. 375; p. 722.
- Kimmich, Elmer G., Akron, Ohio. Disclaimer filed by the patentee, assignee, The Goodyear Tire & Rubber Company, concurring. No. 1,673,515; disclaimer filed July 28, 1928; v. 373; p. 280.
- Lindsay, Harvey B., Oakland, Calif. Disclaimer filed by the assignee, Dry Zero Corporation. No. 1,504,936; disclaimer filed Oct. 29, 1928; v. 376; p. 274.
- Manzel, Charles W., Buffalo, N. Y. Disclaimer filed by the assignee, The Bassick Manufacturing Company. No. 1,459,662; disclaimer filed May 21, 1928; v. 371; p. 5.
- Matthies, William H., Hackensack, N. J. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,600,556; disclaimer filed Sept. 29, 1928; v. 375; p. 722.
- McQuarrie, James L., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,543,937; disclaimer filed Apr. 4, 1928; v. 370; p. 6.
- Miller, John M., Philadelphia, Pa. Disclaimer filed by the assignee, Atwater Kent Manufacturing Company, and John M. Miller, patentee. No. 1,639,414; disclaimer filed June 18, 1928; v. 372; p. 255.
- Mitchell, William, Milwaukee, Wis. Disclaimer filed by the assignee, Mitchell Mfg. Co. No. 1,215,569; disclaimer filed June 16, 1928; v. 372; p. 255.
- Muend, Charles J., Philadelphia, Pa. Disclaimer filed by the patentee, with the approval of Hajoca Corporation, successor to Haines, Jones & Cadbury Company, assignee of record, consenting. No. 1,605,457; disclaimer filed May 26, 1928; v. 371; p. 780.
- Munters, Carl G., and Baltzar C. von Platen, Dala-Jarna and Ystad, Sweden. Disclaimer filed by the assignee by mesne assignments, Electrolux Servel Corporation. No. 1,645,017; disclaimer filed Sept. 28, 1928; v. 375; p. 722.
- Murphy, Fred K., and Ray W. Retterer, Indianapolis, Ind. Disclaimer filed by the patentees. No. 1,621,804; disclaimer filed Oct. 6, 1928; v. 375; p. 722.
- Myers, Lewis C., and George F. Handley, Freeport and Glendale, N. Y. Disclaimer filed by the assignee, Royal Typewriter Company, Inc. No. 1,562,119; disclaimer filed Sept. 6, 1928; v. 375; p. 480.
- Myers, Philip A., Ashland, Ohio. Disclaimer filed by The F. E. Myers & Bro. Company, the patentee, Philip A. Myers, concurring. Nos. 1,385,141 and 1,393,306; disclaimers filed Oct. 12, 1928; v. 375; p. 961. (Two cases.)
- Ott, Albert J., and Conrad L. Ott, Detroit, Mich. Disclaimer filed by the assignee, American Grinder Company. No. 1,644,540; disclaimer filed May 14, 1928; v. 370; p. 1020.
- Polinkowsky, Lipa, Antwerp, Belgium. Disclaimer by the assignee, Western Electric Company, Incorporated. No. 1,541,388; disclaimer filed Apr. 4, 1928; v. 370; p. 6.
- Powell, Albert C., New York, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,577,076; disclaimer filed Apr. 4, 1928; v. 370; p. 6.
- Rohrbach, Adolph, Berlin-Charlottenburg, Germany. Disclaimer filed by the patentee. No. 1,559,912; disclaimer filed Jan. 12, 1928; v. 366; p. 695.
- Rubsam, Charles F., Cleveland, Ohio. Disclaimer filed by the assignee, Rubsam Corporation. No. 1,395,362; disclaimer filed Aug. 23, 1928; v. 374; p. 706.
- Sachs, Joseph, Hartford, Conn. Disclaimer filed by the patentee, Colts Patent Fire Arms Manufacturing Company, consenting and ratifying. Nos. 1,292,081 and 1,301,175; disclaimers filed Aug. 1, 1928; v. 373; p. 538. (Two cases.)
- Schunk, Carl T., Lakewood, Ohio. Disclaimer filed by the patentee, assignee, The Peerless Paper Box Manufacturing Company, concurring. No. 1,674,745; disclaimer filed Sept. 24, 1928; v. 375; p. 212.
- Selvig, John N., Chicago, Ill. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,471,010; disclaimer filed Apr. 4, 1928; v. 370; p. 4.
- Snyder, Howard E., Newton, Iowa. Disclaimer filed by the assignee by mesne assignments, The Maytag Company. No. 1,506,783; disclaimer filed Oct. 6, 1928; v. 375; p. 722.
- Steimer, Theodore C., deceased, by Charles M. Steimer, executor, Zanesville, Ohio. Disclaimer filed by the assignee by mesne assignments, Hartford-Empire Company. No. 1,663,925; disclaimer filed May 5, 1928; v. 370; p. 757.
- Taylor, Edward C., Longmeadow, and Charles H. Desautels, Springfield, Mass. Disclaimer filed by the assignee, The Fisk Rubber Company. No. 1,535,382; disclaimer filed Jan. 14, 1928; v. 367; p. 6.
- Thompson, George, Mount Vernon, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. No. 1,383,677; disclaimer filed Apr. 4, 1928; v. 370; p. 4.
- Troutman, Frank E., and Charles H. Christie, Butler, Pa. Disclaimer filed by the patentees. No. 1,610,184; disclaimer filed May 11, 1928; v. 370; p. 1020.
- Vincent, Jesse G., Detroit, Mich. Disclaimer filed by the assignee, Packard Motor Car Company. No. 1,448,682; disclaimer filed May 3, 1928; v. 371; p. 5.
- Williams, Samuel B., jr., Brooklyn, N. Y. Disclaimer filed by the assignee, Western Electric Company, Incorporated. Nos. 1,504,295 and 1,517,331; disclaimers filed Apr. 4, 1928; v. 370; p. 5; and No. 1,550,997; disclaimer filed May 24, 1928; v. 370; p. 6. (Three cases.)
- Willis, Bernard D., Oak Park, Ill. Disclaimer filed by the assignee by mesne assignments, Automatic Electric, Inc. No. 1,532,849; disclaimer filed Jan. 3, 1928; v. 366; p. 480.

ALPHABETICAL LIST OF INVENTIONS

- Abdominal appliance. F. J. Stuart. 1,668,743; Mar. 5.
Abdominal band. M. A. Fontaine. 1,661,720; Mar. 6.
Abdominal rupture, Polygonal device for. L. Haymond. 1,663,798; Mar. 27.
Abdominal support. D. C. Kellogg. 1,665,502; Apr. 10.
Abdominal support and jock strap. M. C. Benisch. 1,672,296; June 5.
Abrading apparatus. R. Roscoe. 1,679,376; Aug. 7.
Abrading apparatus. W. R. Sanders. 1,679,378; Aug. 7.
Abrading device. P. Sivertsen. 1,677,497; July 17.
Abrading graphite or similar material, Apparatus for. L. S. Watres. 1,685,892; Oct. 2.
Abrading machine. A. N. Emmons. 1,695,090; Dec. 11.
Abrasive and carrier, Combined. M. C. Hutto. 1,692,661; Nov. 20.
Abrasive article. R. P. Carlton. 1,686,898; Oct. 9.
Abrasive article. W. B. Wescott. 1,668,439; May 1.
Abrasive article and making the same. D. E. Webster. 1,655,396; Jan. 3.
Abrasive article and making the same. W. B. Wescott. 1,668,476; May 1.
Abrasive article and making the same, Reenforced. W. B. Wescott. 1,668,475; May 1.
Abrasive article and making the same, Rubber-bonded. D. E. Webster. 1,687,410; Oct. 9.
Abrasive articles, Manufacture of. D. E. Webster. 1,681,891; Aug. 21.
Abrasive composition. H. R. Power. 1,661,849; Mar. 6.
Abrasive-covered material and the like. G. A. Bergstrom. 1,657,784; Jan. 31.
Abrasive devices, Manufacture of. M. C. Hutto. 1,687,770; Oct. 16.
Abrasive paper or cloth. R. B. Manley. 1,683,623; Sept. 11.
Abrasive-resisting metal and making same. L. J. Barton. 1,662,357; Mar. 13.
Abrasive roll. D. C. Scott. 1,665,609; Apr. 10.
Abrasive scouring device, Metallic. R. B. Kingman. 1,683,357; Sept. 4.
Abrasive surface and making same. C. G. Fink and A. H. Kopp. 1,686,150; Oct. 2.
Abrasive wheel. G. O. Burlew. 1,692,329; Nov. 20.
Abrasive wheel. J. L. Howland. 1,678,596; July 24.
Abrasive wheel and making same, Rubber-bonded. P. Johanson and D. E. Webster. 1,676,190; July 3.
Absorbent-pad machine. G. Weiss. 1,680,268; Aug. 7.
Absorber. J. A. Campbell. 1,654,785; Jan. 3.
Absorbing mechanism, Jump-. B. A. Proctor. 1,666,307; Apr. 17.
Absorbing shocks, Device for. J. A. Stevens. 1,655,202; Jan. 3.
Absorption device, Moisture-. E. Schmidt. 1,675,228; June 26.
Accelerator. R. M. Henderson. 1,693,897; Dec. 4.
Accelerator. S. A. Keefer. 1,661,371; Mar. 6.
Accelerator and brake controller, Unitary. J. R. Vandivier. 1,671,797; May 29.
Accelerator and foot rest, Combined. G. N. Haller. 1,672,315; June 5.
Accelerator-controlling device. J. C. Shier. 1,662,211; Mar. 13.
Accelerator, Dry-pipe sprinkler-system. E. Tyden. 1,689,980; Oct. 30.
Accelerator for hardening phenol urea products. H. V. Potter and J. W. Crump. 1,667,675; Apr. 24.
Accelerator for motor vehicles. H. B. Cooper. 1,690,333; Nov. 6.
Accelerator, Vulcanization. H. O. Chute. 1,673,801; June 19.
Accelerator, Vulcanizing caoutchouc and product thereof. L. B. Sebrell. 1,676,838; July 10.
Accessory, Automotive. N. Bauml. 1,658,587; Feb. 7.
Accordion. A. Lanka. 1,680,052; Aug. 7.
Accordion. F. Nardone. 1,693,616; Dec. 4.
Accordion. R. Pancotti. 1,688,151; Oct. 16.
Accordion case. W. Romanoff. Des. 74,575; Feb. 28.
Accordion keyboard. F. Umbrico. 1,667,089; Apr. 24.
Accordion-locking means. F. Umbrico. 1,684,119; Sept. 11.
Account-finding machine. E. L. Reller and V. R. A. Stroh. 1,673,710; June 12.
Account-finding machine. E. L. Reller and V. R. A. Stroh. 1,679,008; July 31.
Accounting apparatus. L. A. Watters and E. L. Reller. 1,658,363; Feb. 7.
Accumulator, Adding and subtracting. N. W. Perkins and E. J. Ens. 1,679,265; July 31.
Accumulator plant. J. K. Ruths. 1,659,836; Feb. 21.
Acetaldehyde, Manufacture of. C. N. Hand. 1,696,479; Dec. 25.
Acetaldehyde, Manufacturing. H. S. Reid and W. C. Hovey. 1,687,228; Oct. 9.
Acetate of lead solutions or crystals out of pyroligneous acid, Manufacturing white. M. Klar. 1,678,256; July 24.
Acetone, Producing. K. Roka. 1,663,350; Mar. 20.
Acetyl cellulose, Saponification of primary solutions of. H. L. Barthélemy. 1,668,482; May 1.
Acetylene-distribution safety apparatus. W. Goerg. 1,674,172; June 19.
Acetylene-gas generator. A. Valentour. 1,684,979; Sept. 18.
Acetylene generator. E. M. Evleth. 1,667,346; Apr. 24.
Acetylene generator, Automatic. P. Dorsey. 1,672,606; June 5.
Acetylene lines, Protection of. J. L. Anderson. 1,677,225; July 17.
Acetylene-plant waste and the like, Preparing product from. D. M. Harrison. 1,688,542; Oct. 23.
Acid and acetates, Manufacture of acetic. P. A. and H. G. Smith. 1,679,994; Aug. 7.
Acid and its salts strongly absorbing ultra-violet rays, Producing a new. T. Suzuki and S. Sakurai. 1,684,562; Sept. 18.
Acid and making same, Auro mercapto carboxylic. W. Schoeller, and H. G. Allardt. 1,683,104; Sept. 4.
Acid and preparing same, Isobutyl ester of the diiodide of behenolic. A. Winger. 1,688,169; Oct. 16.
Acid and preparing the same, 1-methyl-2,5,6-trichloro-3-aminobenzene-4-sulphonic. H. Wagner and B. Vossen. 1,677,536; July 17.
Acid and pyruvic acid, Ester of salicylic. S. L. Summers. 1,689,696; Oct. 30.
Acid and soap derived from mineral oil and making same, Fatty. G. Alleman. 1,694,461; Dec. 11.
Acid, Apparatus for the manufacture of sodium sulphate and hydrochloric. E. V. Benjamin. 1,681,760; Aug. 21.
Acid, Aromatic sulphonic. F. Günther and A. Cantzler. 1,696,199; Dec. 25.
Acid, Arylarsonic. L. Thorp. 1,654,709; Jan. 3.
Acid by means of fermentation, Producing citric. J. Szűcs. 1,679,186; July 31.
Acid, Collecting phosphoric. B. G. Klugh. 1,659,146; Feb. 14.
Acid compositions, Preparing tannic. R. S. Paterson. 1,690,175; Nov. 6.
Acid-concentrating chamber. O. C. Trautmann. 1,695,619; Dec. 18.
Acid, Concentration of acetic. J. Duclaux. 1,660,418; Feb. 28.
Acid, Cyclopentenyl alkyl acetic. R. Adams. 1,677,123; July 17.
Acid, Determining gaseous carbonic. H. Schmick. 1,695,031; Dec. 11.
Acid esters and making same, Metal mercapto. W. Schoeller and H. G. Allardt. 1,689,866; Oct. 30.
Acid esters, Manufacture of hydroxy. H. W. Matheson and K. G. Blaikie. 1,682,347; Aug. 28.
Acid esters of polyglycerol, Producing abietic. E. M. Symmes. 1,696,337; Dec. 25.
Acid from acid sludges, Recovery of sulphuric. J. D. Ruys. 1,669,102; May 8.
Acid from ammonia, Production of nitric. L. H. Great-house. 1,692,298; Nov. 20.
Acid from sugar solutions, Removing hydrochloric. F. Koch. 1,678,819; July 31.
Acid into alcohol or ethers, Apparatus for the transformation of ethylsulphuric. M. Duchange. 1,674,891; June 26.
Acid, Making acetic. H. W. Matheson. 1,676,454; July 10.
Acid, Making and spinning derivatives of cellulose and formic. J. G. Jurling. 1,656,119; Jan. 10.
Acid, Making hydrofluoric. W. J. Harshaw and C. S. Parke. 1,665,588; Apr. 10.
Acid, Manufacture of arsenic. F. Ullmann and G. Tre-wendt. 1,677,257; July 17.
Acid, Manufacture of hydrochloric. E. R. Wolcott. 1,691,452; Nov. 13.
Acid, Manufacture of 2-hydroxy-3-bromo-5-pyridin arsonic. A. Binz and C. Rāth. 1,680,587; Aug. 14.
Acid, manufacture, Phosphoric. I. Hechenbleikner. 1,667,549; Apr. 24.
Acid, Manufacturing formic. G. H. Buchanan and J. L. Osborne. 1,666,437; Apr. 17.
Acid, Manufacturing sulphuric. W. A. Patrick and E. B. Miller. 1,683,694; Sept. 11.
Acid material, Solid. H. T. Leo. 1,686,703; Oct. 9.
Acid mixtures in steel drums, Storage and transportation of. J. H. Gravelle. 1,678,775; July 31.
Acid oils for lubricant stocks, Neutralizing treatment of. G. F. Olsen. 1,665,110; Apr. 3.
Acid or hydrochloric acid, Apparatus for the formation of nitric. G. Guadagni. 1,680,019; Aug. 7.
Acid, Preparing alkyl esters of abietic. A. C. Johnston. 1,682,280; Aug. 28.
Acid, Preparing 2-aminonaphthalene-3-carboxylic. E. Hotz and V. Lanz. 1,690,785; Nov. 6.

- Acid, Preparing purified phosphoric. J. Maxwell, P. C. Hoffmann, and C. E. McCoy. 1,688,822; Oct. 23.
- Acid process, Contact sulphuric. A. O. Jaeger. 1,675,308-9; June 26.
- Acid process, Contact sulphuric. A. O. Jaeger. 1,694,123; Dec. 4.
- Acid, Producing acetic. F. G. Rawling. 1,681,684; Aug. 21.
- Acid, Producing Commercial stearic. J. Starrels. 1,659,790; Feb. 21.
- Acid, Producing hydrocyanic. M. J. Brown and E. A. Harding. 1,680,662; Aug. 14.
- Acid, Producing phosphoric. H. Lang. 1,680,625; Aug. 14.
- Acid, Production of beta-naphthol-1-sulphonic. A. E. Parmelee. 1,662,396; Mar. 13.
- Acid, Production of citric. A. Fernbach and J. L. Yuill. 1,691,965-6; Nov. 20.
- Acid, Production of phosphoric. A. Noble. 1,695,558; Dec. 18.
- Acid proportioning and control system for sulphite mills. C. O. Sisler. 1,671,656; May 29.
- Acid resins obtained from the refining of mineral-oil derivatives into neutral bitumens, Working up. C. Sautermeister and F. Wilhelm. 1,677,731; July 17.
- Acid sludge and spent clay in oil-refining plants, Disposing of. J. M. Cory and F. H. Bunke. 1,682,369; Aug. 28.
- Acid-sludge emulsions, Separation of. E. W. Roth. 1,665,189; Apr. 3.
- Acid-sludge hydrolysis, Normal-pressure. E. W. Roth. 1,682,713; Aug. 28.
- Acid sludge, Hydrolysis of. E. W. Roth. 1,665,190; Apr. 3.
- Acid solutions, Concentrating lower-aliphatic. H. Dreyfus and C. I. Haney. 1,696,432; Dec. 25.
- Acid synthetically, Producing hydrochloric. W. Hirschkind and C. W. Schedler. 1,695,552; Dec. 18.
- Acidity or alkalinity of decomposed product or products by glutamic acid or its salts, Neutralizing. M. Fujil. 1,680,865; Aug. 14.
- Acids and making same, Compound of gall. A. Gams and P. Scheidegger. 1,677,554; July 17.
- Acids and making same, Derivatives of quinoline carboxylic. K. Miescher. 1,688,469; Oct. 23.
- Acids and making the same, Cellulose esters of fatty. H. T. Clarke and C. J. Malm. 1,668,944; May 8.
- Acids and preparing the same, Benzimide-azon-arsonic. W. Kolle, K. Streitwolf, and A. Fehrlé. 1,674,368; June 19.
- Acids and preparing the same, Monodiaz compounds of 1,4-diaminoanthraquinone-8-sulphonic. G. Kränzlein and F. Roemer. 1,690,021; Oct. 30.
- Acids, Apparatus for Concentrating. O. Mantius. 1,655,019; Jan. 3.
- Acids, Concentrating aqueous solutions of fatty. F. E. Lichtenthaeler. 1,660,756; Feb. 28.
- Acids, Continuous process for the dehydration of volatile fatty. E. Ricard. 1,668,380; May 1.
- Acids, Converting cyanaphthalene-sulphonic. R. Herz, F. Schulte, and W. Zerweck. 1,669,297; May 8.
- Acids, Converting cyanaphthalene sulphonic. R. Herz, F. Schulte, and W. Zerweck. 1,676,692; July 10.
- Acids, Converting cyanaphthalene sulphonic. R. Herz, F. Schulte, and W. Zerweck. 1,677,086; July 10.
- Acids, Cyclopentenyl-substituted aliphatic. R. Adams, C. R. Noller, and J. A. Arvin. 1,678,175; July 24.
- Acids, Esters of unsaturated. W. Minnich. 1,680,799; Aug. 14.
- Acids from petroleum hydrocarbons and product, Making organic. A. W. Burwell. 1,690,769; Nov. 6.
- Acids, Halogenides of aromatic oxamic. J. Haller. 1,685,698; Sept. 25.
- Acids, Manufacture of basic bismuth salts of aryl-arsinic. R. W. Stickings. 1,669,542; May 15.
- Acids, Manufacture of chlorides of aromatic ortho-hydroxy-carboxylic. E. B. Higgins. 1,684,273; Sept. 11.
- Acids, Manufacture of coeruleine sulphonic. W. Herzberg and G. Hoppe. 1,656,483; Jan. 17.
- Acids of aralkylated unsaturated fatty acids, Preparation of sulphonic. A. Thauss, G. Mauthe, and A. Glinther. 1,667,226; Apr. 24.
- Acids, Preparing nitropyridine arsinic. A. Binz and C. Râth. 1,675,402; July 3.
- Acids, Producing anthraquinone sulphonic. J. Thomas. 1,691,679; Nov. 13.
- Acids, Production of. E. E. Reid and C. E. Burke. 1,663,524; Mar. 20.
- Acids, Production of anthraquinone sulphonic. J. Thomas. 1,671,455; May 29.
- Acids, Production of derivatives of arsanilic. W. L. Lewis. 1,664,123; Mar. 27.
- Acids, Production of esters of aromatic. R. Adams and E. H. Volwiler. 1,676,470; July 10.
- Acids, Production of primary stibinic. F. Dunning and E. E. Reid. 1,682,269; Aug. 28.
- Acids, Reduction of arsonic. A. Binz and C. Râth. 1,667,238; Apr. 24.
- Acorn nuts, Making. C. W. Beck. 1,670,296; May 22.
- Acoustic apparatus. M. Weil. 1,696,784; Dec. 25.
- Acoustic device. O. E. Buckley. 1,696,265; Dec. 25.
- Acoustic device. E. Gerlach. 1,667,149; Apr. 24.
- Acoustic device. J. Hutt and G. H. Bird. 1,693,297; Nov. 27.
- Acoustic device. G. R. Lum. 1,670,777; May 22.
- Acoustic device. E. H. Smythe. 1,678,833; July 31.
- Acoustic device, Multiple. A. M. Nicolson. 1,688,744; Oct. 23.
- Acoustic diaphragm. C. Bieberger. 1,696,565; Dec. 25.
- Acoustic diaphragm. N. H. Holland. 1,689,030; Oct. 23.
- Acoustic diaphragm. H. G. Pape. 1,692,800; Nov. 20.
- Acoustic diaphragm. H. G. Pape. 1,693,727; Dec. 4.
- Acoustic diaphragm. J. Q. Slye and R. H. Coffren. 1,665,284; Apr. 10.
- Acoustic diaphragm and loud-speaker combination. N. Baldwin. 1,661,523; Mar. 6.
- Acoustic system. A. M. Nicolson. 1,684,408; Sept. 18.
- Acoustic unit, Preformed. M. C. and S. H. Rosenblatt. 1,671,208; May 29.
- Acoustical apparatus. H. Fletcher. 1,661,751; Mar. 6.
- Acoustical apparatus for telephonic communication. W. Rudolph. 1,692,868; Nov. 27.
- Acoustical device. J. J. Kuhn. 1,681,543; Aug. 21.
- Actuating mechanism for selective-control thermostat systems. C. L. Fortier. 1,675,213; June 26.
- Actuating mechanism or mechanical movement for pressing machines. E. Davis. 1,691,646; Nov. 13.
- Acyl amines, Manufacture of. R. B. Trusler. 1,656,252; Jan. 17.
- Acylamino flavantrones and making same. S. Thornley. 1,662,872; Mar. 20.
- Adapter and plug for cut-outs. W. P. Briggs. 1,675,637; July 3.
- Adapter, Universal. B. D. Horton. 1,680,787; Aug. 14.
- Adding and listing machine. G. D. Sundstrand. 1,694,362; Dec. 4.
- Adding and listing machine. O. J. Sundstrand. 1,694,803; Dec. 11.
- Adding attachment for typewriting machines. G. O. Degener. 1,688,805; Oct. 23.
- Adding machine. A. Ekman. 1,661,605; Mar. 6.
- Adding machine. M. Goshko. 1,657,923; Jan. 31.
- Adding machine. J. Pfeifer. 1,663,726; Mar. 27.
- Adding machine. L. C. Warner. 1,660,638; Feb. 28.
- Adding machine and cash register, Duplex. E. Kassner. 1,676,559; July 10.
- Adding machines and the like, Collating equipment for. R. L. Muller. 1,682,765; Sept. 4.
- Adding machines, Accumulator-control means of. G. J. Barrett. 1,681,567; Aug. 21.
- Adding machines, Automatic paper-straightening attachment for. C. M. Sinks. 1,654,946; Jan. 3.
- Adding machines, Make and break switch for. T. S. Bindschedler. 1,658,036; Feb. 7.
- Addressing device for printing presses for printing of fixed text with changeable address. H. Tockhorn. 1,666,952; Apr. 24.
- Addressing machine. H. P. Elliott. 1,694,619; Dec. 11.
- Addressing machine. E. D. Grady. 1,688,963; Oct. 23.
- Addressing machine. H. E. Hubbard. 1,677,344; July 17.
- Addressing machine. J. Krell. 1,655,791; Jan. 10.
- Addressing machine, Hand. J. S. Duncan and H. E. Hubbard. 1,665,583; Apr. 10.
- Addressing machine, Hand-operated. E. A. Geiger and A. Geiger. 1,696,760; Dec. 25.
- Addressing machines, Automatic selective attachment for. E. A. Geiger, A. F. Schraegle, and H. T. Jennings. 1,696,759; Dec. 25.
- Adhesive and making same, Composite. F. G. Okie. 1,659,611; Feb. 21.
- Adhesive-applying device. W. H. Baynard. 1,666,039; Apr. 10.
- Adhesive, Meltable. E. D. Lord. 1,684,873; Sept. 18.
- Adjustable bracket. G. A. McDonald. 1,680,560; Aug. 14.
- Adjustable coupling. M. D. Morris and E. G. Du Barry. 1,663,259; Mar. 20.
- Adjustable device. W. Brückel. 1,656,418; Jan. 17.
- Adjustable gauge. T. A. Hall. 1,672,488; June 5.
- Adjustable handle. H. Lewis. 1,658,383; Feb. 7.
- Adjustable-length tie. M. Schachter. 1,684,150; Sept. 11.
- Adjustable lock. H. H. Munson. 1,672,076; June 5.
- Adjustable lock. E. L. Wilson. 1,661,454; Mar. 6.
- Adjustable rack. S. W. Neldner. 1,657,226; Jan. 24.
- Adjustable seat. C. A. Anderson. 1,693,427; Nov. 27.
- Adjustable seat. J. M. Dorton. 1,677,434; July 17.
- Adjustable stand. G. B. Culbertson. 1,671,231; May 29.
- Adjustable table. J. A. Richards. 1,655,798; Jan. 10.
- Adjustable tie, One-piece. S. Semmel. 1,659,667; Feb. 21.
- Adjustable wrench. R. P. Kerfoot. 1,690,018; Oct. 30.
- Adjustable wrench. A. S. Pinkus. 1,693,347; Nov. 27.
- Adjustable wrench, Open-end. H. A. Mead. 1,655,432; Sept. 25.
- Adjusting and locking device. J. O. Gargan. 1,655,054; Jan. 3.
- Adjusting balances, Device for. H. M. H. Reufel. 1,671,127; May 29.
- Adjusting device. L. G. Pacent. 1,688,313; Oct. 16.
- Adjusting device for fan blades. E. C. Ringel. 1,689,083; Oct. 23.
- Adjusting mechanism, Automatic. E. J. Gould. 1,663,882; Mar. 27.
- Adjustment device, Precision. J. R. Gammeter and C. C. Cadden. 1,665,848; Apr. 10.
- Adsorptive material, Reactivation of. W. S. Bayliss. 1,654,629; Jan. 3.
- Advertisement and like device. C. H. Jarrett. 1,655,866; Jan. 10.
- Advertisement carrier. A. Deutschmeister. 1,677,022; July 10.

- Advertisement carrier. A. Deutschmeister. 1,682,167; Aug. 28.
- Advertising and display device. H. Broadley. 1,682,884; Sept. 4.
- Advertising and display device. C. A. Long, jr. 1,678,475 July 24.
- Advertising apparatus. G. H. Conners. 1,683,760; Sept. 11.
- Advertising apparatus, Revolving. M. J. Lewis. 1,670,816; May 22.
- Advertising cigar lighter. A. L. Jackson. Des. 77,318; Dec. 25.
- Advertising device. J. W. Ashworth. 1,656,367; Jan. 17.
- Advertising device. H. S. C. Bacon. 1,665,009; Apr. 3.
- Advertising device. F. E. Bessee. 1,673,137; June 12.
- Advertising device. H. L. Campbell. 1,684,534; Sept. 18.
- Advertising device. H. Frederick. 1,691,712; Nov. 13.
- Advertising device. E. F. Goeller. 1,685,157; Sept. 25.
- Advertising device. A. J. Hill and G. Purnell. 1,663,165; Mar. 20.
- Advertising device. J. J. Huber. 1,672,531; June 5.
- Advertising device. K. O. Leon. 1,667,210; Apr. 24.
- Advertising device. G. Marshall. 1,688,317; Oct. 16.
- Advertising device. E. H. McLaughlin. 1,670,630; May 22.
- Advertising device. O. F. Meadows. 1,691,204; Nov. 13.
- Advertising device. F. C. Meyers and H. S. Oberndorfer. 1,686,390; Oct. 2.
- Advertising device. W. C. Mordecai. 1,689,637; Oct. 30.
- Advertising device. R. L. Reichard. 1,665,894; Apr. 10.
- Advertising device. E. R. Rössler. 1,657,589; Jan. 31.
- Advertising device. R. M. Sherrill. 1,666,721; Apr. 17.
- Advertising device. P. F. Smith. 1,656,341; Jan. 17.
- Advertising device. W. K. Summerhayes, jr. 1,685,102; Sept. 25.
- Advertising device. R. Van Ausdall. 1,688,566; Oct. 23.
- Advertising device. G. Willens. 1,656,029; Jan. 10.
- Advertising device. H. L. Yoas. 1,683,117; Sept. 4.
- Advertising device, Airplane. L. Barker. 1,695,078; Dec. 11.
- Advertising device, Electrical. F. L. Robinson. 1,655,294; Jan. 3.
- Advertising device for cash registers. S. Russo. 1,686,345; Oct. 2.
- Advertising device for dispensing machines. J. E. Kenkel. 1,688,278; Oct. 16.
- Advertising device, Rotatable. W. J. Tanner. 1,692,594; Nov. 20.
- Advertising display form. F. A. Thompson. Des. 74,765; Mar. 20.
- Advertising handkerchief and radioscope, Combination. J. Shepard. 1,665,074; Apr. 3.
- Advertising light. H. P. Verdict. 1,665,426; Apr. 10.
- Advertising novelty. E. R. Johnson. 1,670,359; May 22.
- Advertising novelty. G. D. Kratz. 1,674,648; June 26.
- Advertising or display device. J. B. Carroll. 1,658,968; Feb. 14.
- Advertising pedestal. E. L. Post. Des. 76,703; Oct. 23.
- Advertising projecting and display apparatus, Automatic. A. S. Knott. 1,679,311; July 31.
- Advertising rack. L. Blackmore. 1,670,708; May 22.
- Advertising stand. R. W. Anderson. Re16,868; Feb. 7.
- Adzing machine, Tie. J. H. Mansfield. 1,672,652; June 5.
- Aerating and screening liquid, Apparatus for. F. B. Chappell. 1,666,164; Apr. 17.
- Aerial. G. R. Conrad. 1,676,524; July 10.
- Aerial apparatus. W. Dionne. 1,659,861; Feb. 21.
- Aerial bombardments, Gear for. R. Alkan and G. Lesourd. 1,656,850; Jan. 17.
- Aerial cables, Protecting. T. Varney. 1,671,659; May 29.
- Aerial device. J. Ostand. 1,663,723; Mar. 27.
- Aerial, Directional. G. M. Wright. 1,687,746; Oct. 16.
- Aerial, Loop. P. D. Morris. 1,688,875; Oct. 23.
- Aerial, Loop. T. Thrift. 1,685,652; Sept. 25.
- Aerial machine and means therefor, Inflating and driving an. C. L. Stokes. 1,677,308; July 17.
- Aerial mast or support. C. L. Dietrich. 1,661,930; Mar. 6.
- Aerial metal propellers, Manufacture of. J. Comte. 1,670,345; May 22.
- Aerial navigation. M. A. Richards. 1,667,987; May 1.
- Aerial signaling. E. Becker. 1,665,838; Apr. 10.
- Aerial support. E. H. Considine. 1,664,161; Mar. 27.
- Aerial system. F. Conrad. 1,691,338; Nov. 13.
- Aerial transportation. N. Tesla. 1,655,113; Jan. 3.
- Aerial transportation, Apparatus for. N. Tesla. 1,655,114; Jan. 3.
- Aerial vessels, Auxiliary power system for. M. Herzl. 1,663,802; Mar. 20.
- Aerials for wireless signaling. T. L. Eckesley. 1,686,963; Oct. 9.
- Aerials, Radiant-energy collector for. W. A. Rhodes and A. Bankoff. 1,666,834; Apr. 17.
- Aerofoil. H. D. Fowler. 1,670,852; May 22.
- Aerohelicopter. F. Formánek and E. Zeman. 1,687,198; Oct. 9.
- Aeronautical machine. J. R. Porter. 1,696,581; Dec. 25.
- Aeronautics. J. E. Pigeon. 1,684,240; Sept. 11.
- Aeroplane. N. Buie. 1,665,769; Apr. 10.
- Aeroplane. V. Cavalieri. 1,686,071; Oct. 2.
- Aeroplane. J. C. Elger. 1,684,087; Sept. 11.
- Aeroplane. M. Gallet and A. B. Anderson. 1,666,132; Apr. 17.
- Aeroplane. H. Grunewald. 1,679,356; Aug. 7.
- Aeroplane. S. Horn and M. Zipkes. 1,694,177; Dec. 4.
- Aeroplane. O. L. R. Jones. 1,680,523; Aug. 14.
- Aeroplane. E. A. Kauffman. 1,655,704; Jan. 10.
- Aeroplane. A. M. Kennedy. 1,681,642; Aug. 21.
- Aeroplane. P. G. Kluse. 1,696,404; Dec. 25.
- Aeroplane. G. A. Lund. 1,675,759; July 3.
- Aeroplane. H. Mathat. 1,668,416; May 1.
- Aeroplane. O. L. Middleton. 1,669,991; May 15.
- Aeroplane. L. Nagy. 1,678,523; July 24.
- Aeroplane. A. A. Nero. 1,665,713; Apr. 10.
- Aeroplane. G. Ploger. 1,659,744; Feb. 21.
- Aeroplane. G. W. Ray. 1,671,164; May 29.
- Aeroplane. G. Rickelmann. 1,693,159; Nov. 27.
- Aeroplane. W. F. Sloan. 1,669,495; May 15.
- Aeroplane. G. C. St. Louis. 1,685,888; Oct. 2.
- Aeroplane amplifier. S. E. Adair and B. Knapp. 1,667,300; Apr. 24.
- Aeroplane guiding light. W. F. Hendry. 1,664,170; Mar. 27.
- Aeroplane landing and launching device. O. Parker. 1,680,473; Aug. 14.
- Aeroplane, Metal. B. Bart. 1,674,941; June 26.
- Aeroplane propeller. H. B. Funck. 1,657,119; Jan. 24.
- Aeroplane, Safety. H. D. Blasl. 1,681,761; Aug. 21.
- Aeroplane, safety device. H. Bergmann. 1,692,108; Nov. 20.
- Aeroplane, Sea and land. S. Vitányi. 1,681,071; Aug. 14.
- Aeroplane, Speed. S. Nyakas. 1,674,177; June 19.
- Aeroplane wings with variable profile, Construction of flexible. U. Antoni. 1,690,765; Nov. 6.
- Aeroplanes with gas bombs, Bomber attachment for. A. F. and H. A. Nair. 1,690,791; Nov. 6.
- Aeroplanes with three centers of propulsion arranged in a triangle. S. F. W. Koolhoven. 1,679,038; July 31.
- Aeroplanes, Barrier shoe for. J. S. Fox. 1,674,771; June 26.
- Aeroplanes, Safety appliance for. W. C. Ward. 1,681,202; Aug. 21.
- Aeroplanes, Safety landing and take-off device for. J. B. Anderson. 1,664,844; Apr. 3.
- Aeroplanes, Stabilizing device for. F. Sikorski. 1,672,785; June 5.
- Aeroplanes, Wheel chock for. W. Wait, jr. 1,673,608; June 12.
- Aeroplanes while in flight, Apparatus for loading and unloading. F. F. Bradshaw. 1,654,957; Jan. 3.
- Aerostatic sign. L. H. Wright. 1,658,275; Feb. 7.
- Agglomerated or composite product, Manufacturing an. R. C. V. D. Casanovas, F. Schwartz, and E. Gil-Camporro. 1,656,169; Jan. 17.
- Aggremeter, Adjustable volume. A. J. Novelli. 1,657,761; Jan. 31.
- Agitator. W. R. Ellis. 1,678,425; July 24.
- Agitator. P. Jubien. 1,675,560; July 3.
- Agitator. P. Jubien and P. Naehner. 1,654,815; Jan. 3.
- Agitator. E. B. Nichols. 1,665,789; Apr. 10.
- Agitator. E. B. Nichols. 1,667,944; May 1.
- Agitator for chemically purifying oil. J. W. Kincaide. 1,678,225; July 24.
- Agitator for washing machines. A. W. Altorfer. 1,688,001; Oct. 16.
- Agricultural apparatus. H. I. Washburn. 1,690,761; Nov. 6.
- Agricultural carriage. G. J. W. Lauenstein. 1,687,618; Oct. 16.
- Agricultural implement. A. J. Auspitzer. 1,666,841; Apr. 17.
- Agricultural implement. O. M. Bullock. 1,662,052; Mar. 13.
- Agricultural implement. F. H. Gerdeman. 1,659,685; Feb. 21.
- Agricultural implement. L. L. Keller. 1,678,910; July 31.
- Agricultural implement. T. H. Lashley and W. R. Black. 1,688,851; May 8.
- Agricultural implement, Universal. J. E. Boda. 1,683,018-19; Sept. 4.
- Agricultural machine. E. Astola. 1,689,192; Oct. 30.
- Agricultural machine. C. P. Caulkins. 1,689,816; Oct. 30.
- Agricultural machine. A. Dick and J. A. Dirschauer. 1,689,550; Oct. 30.
- Agricultural machine. J. A. Dirschauer. 1,684,861; Sept. 18.
- Agricultural machine. H. H. Green. 1,696,299; Dec. 25.
- Agricultural machine, Automatic. E. E. Goucher. 1,696,352; Dec. 25.
- Agricultural machine, Interchangeable. F. Somogyi. 1,667,568; Apr. 24.
- Agriculture. A. J. Mason. 1,667,428; Apr. 24.
- Aiming of turrets comprising several guns, Device for the horizontal. R. de Courseulles. 1,694,843; Dec. 11.
- Air and electric brake, Combination. M. Beck. 1,682,824; Sept. 4.
- Air and fuel mixing device. H. M. Cogan. 1,688,613; Oct. 23.
- Air and gas cleaner. C. S. Hansard and A. E. Netzel. 1,691,971; Nov. 20.
- Air bag. H. C. Ries and L. Whyms. 1,672,955; June 12.
- Air-bag-inserting machine. C. W. Howlett. 1,654,880; Jan. 3.
- Air bag, Sectional. K. C. Benn. 1,685,900; Oct. 2.
- Air bag, Sectional. R. S. Burdette. 1,676,817; July 10.
- Air-bag stripper. R. W. Snyder. 1,683,736; Sept. 11.
- Air-blast classifier. A. H. Stebbins. 1,660,682; Feb. 28.

- Air blower for dental purposes. A. Lübke. 1,696,440; Dec. 25.
- Air brake. C. R. Bowen. 1,696,665; Dec. 25.
- Air brake. C. A. Campbell. 1,682,482; Aug. 28.
- Air brake. C. P. Farrell. 1,661,933; Mar. 6.
- Air brake. W. R. Howdon. 1,661,947; Mar. 6.
- Air brake. G. E. Oakley. 1,664,787; Apr. 3.
- Air-brake apparatus. S. G. Neal. Re17,026; July 10.
- Air-brake apparatus. S. G. Neal. Re17,028-9; July 10.
- Air-brake apparatus. S. G. Neal, W. Astle, and E. P. Wilson. Re17,027; July 10.
- Air-brake apparatus. D. H. Schwyer. 1,684,559; Sept. 18.
- Air-brake mechanism. C. N. F. Knapè. 1,665,928; Apr. 10.
- Air brake, Straight-. F. Kasantzeff. 1,657,400; Jan. 24.
- Air-brake system and automatic releasing valve therefor. L. S. Quates. 1,672,731; June 5.
- Air-brake systems, Automatic pressure retaining and sustaining valve for. W. B. Heiniger. 1,658,678; Feb. 7.
- Air chuck. H. Engelbert. 1,672,755; June 5.
- Air circulating and heating apparatus. P. R. Falk. 1,666,816; Apr. 17.
- Air circulating device for air ducts. H. G. McCaffrey. 1,677,974; July 24.
- Air classifier. A. H. Stebbins. 1,660,683-7; Feb. 28.
- Air classifier. A. H. Stebbins. 1,666,476-7; Apr. 17.
- Air cleaner. F. O. Catron. 1,694,116; Dec. 4.
- Air cleaner. R. R. Dollins. 1,664,670; Apr. 3.
- Air cleaner. F. A. Donaldson. 1,669,413; May 15.
- Air cleaner. H. A. Edgar. 1,693,479; Nov. 27.
- Air cleaner. J. Haase and O. Hibner. 1,670,660; May 22.
- Air cleaner. D. Head. 1,687,090; Oct. 9.
- Air cleaner. H. G. Kamrath. 1,694,784; Dec. 11.
- Air cleaner. C. F. Kettering. 1,690,341; Nov. 6.
- Air cleaner. D. G. Taylor. 1,664,333; Mar. 27.
- Air cleaner. C. A. Winslow and E. J. Hall. 1,691,536; Nov. 13.
- Air cleaner, Automobile. C. G. Hawley. 1,684,023; Sept. 11.
- Air-compressing mechanism. G. E. Hazard. 1,694,218; Dec. 4.
- Air compressor. R. D. Conklin. 1,694,583; Dec. 11.
- Air compressor. A. G. Larson. 1,655,616; Jan. 10.
- Air compressor. C. Overdorff and J. Juhasz. 1,661,958; Mar. 6.
- Air compressor, Gas-engine-driven. G. J. Rathbun. 1,657,177; Jan. 24.
- Air compressors, Control system for. W. S. H. Hamilton. 1,672,681; June 5.
- Air condenser, Multiple variable. C. Hardy. 1,657,259; Jan. 24.
- Air conditioner. D. Head. 1,695,426; Dec. 18.
- Air conditioner. W. B. Hodge. 1,660,164; Feb. 21.
- Air-conditioning apparatus. C. A. Bangert. 1,682,546; Aug. 28.
- Air-conditioning system. J. H. Bower. 1,678,101; July 24.
- Air-conditioning system. R. B. Crawford. 1,673,552; June 12.
- Air-conditioning system. C. A. Moore. 1,693,855; Dec. 4.
- Air-controlled purifier. W. S. Swell. 1,686,107; Oct. 2.
- Air-cooled block for lining walls. G. Rau. 1,684,329; Sept. 11.
- Air-cooled internal-combustion engine. R. L. Jackson. 1,658,166; Feb. 7.
- Air cooler. J. F. Baumgardner. 1,661,160; Mar. 6.
- Air cooler. D. J. Besse. 1,677,070; July 10.
- Air cooler. J. Price. 1,694,395; Dec. 11.
- Air-cooling system. J. W. Smith. 1,655,518; Jan. 10.
- Aircraft. A. A. Anderson. 1,685,014; Sept. 18.
- Aircraft. J. Bilbao. 1,682,263; Aug. 28.
- Aircraft. D. Doncheff. 1,661,327; Mar. 6.
- Aircraft. C. S. Hall. 1,667,002; Apr. 24.
- Aircraft. C. S. Hall. 1,676,549; July 10.
- Aircraft. C. S. Hall. 1,686,084; Oct. 2.
- Aircraft. C. S. Hall. 1,686,130; Oct. 2.
- Aircraft. C. S. Hall. 1,687,203; Oct. 9.
- Aircraft. K. Karish. 1,671,865; May 29.
- Aircraft. T. D. Kelly. 1,685,029; Sept. 18.
- Aircraft. H. E. Krammer. 1,672,163; June 5.
- Aircraft. A. Rees. 1,677,688; July 17.
- Aircraft. A. Rohrbach. 1,659,960-1; Feb. 21.
- Aircraft. R. L. Wright. 1,693,557; Nov. 27.
- Aircraft and airplane construction. W. Chalmers. 1,668,889; May 8.
- Aircraft and the like, Fitting for. C. W. Hall. 1,678,640; July 31.
- Aircraft, Balancing of. A. Flettner. 1,674,546; June 19.
- Aircraft, Combination seat and control mechanism for. W. Wait, Jr. 1,666,761; Apr. 17.
- Aircraft control. A. L. Fisher. 1,675,928; July 3.
- Aircraft, Controlling. A. H. G. Fokker and P. F. Sonnek. 1,662,306; Mar. 13.
- Aircraft covering. I. M. Jacobsohn and S. Truscott. 1,665,500; Apr. 10.
- Aircraft, Distribution of motors for. H. Farman. 1,653,362; Jan. 3.
- Aircraft landing and housing device. C. S. Hall. 1,681,637; Aug. 21.
- Aircraft, Lighter-than-air. B. N. Wallis and C. D. Burney. 1,661,206; Mar. 6.
- Aircraft, Mooring mast or mooring gear for lighter-than-air. B. N. Wallis. 1,664,188; Mar. 27.
- Aircraft motor. C. E. Quick. 1,676,667; July 10.
- Aircraft or the like, Propulsion means for. R. Nuttall. 1,694,602; Dec. 11.
- Aircraft pontoon apparatus. J. B. Anderson. 1,693,773; Dec. 4.
- Aircraft, Pressure, temperature, and volume indicating and controlling means for. C. S. Hall. 1,682,961; Sept. 4.
- Aircraft propeller. E. G. McCauley. 1,693,450; Nov. 27.
- Aircraft-propelling mechanism. C. S. Hall. 1,659,098; Feb. 14.
- Aircraft. Rudder-operating mechanism for. T. P. Wright and W. Wait, Jr. 1,694,496; Dec. 11.
- Aircraft station. F. W. Schwerdtfeger and H. Meierhans. 1,660,530; Feb. 28.
- Aircraft, Tail shaft for. A. H. G. Fokker. 1,683,965; Sept. 11.
- Aircraft, Undercarriage or landing gear for. J. de la Cierva. 1,682,894; Sept. 4.
- Aircraft with pusher screw. K. Tank and K. Frydag. 1,691,593; Nov. 13.
- Aircraft with rotative wings. J. de la Cierva. 1,673,232-3; June 12.
- Aircraft with rotative wings. J. de la Cierva. 1,678,935; July 31.
- Aircraft with rotative wings. J. de la Cierva. 1,682,893; Sept. 4.
- Aircraft with rotative wings. J. de la Cierva. 1,692,081-2; Nov. 20.
- Air cushion. F. Bronberger. 1,678,972; July 31.
- Air deflector, Cold-. J. W. Barnhart. 1,690,323; Nov. 6.
- Air deflector or distributor. T. Van Antwerp. 1,673,651; June 12.
- Air die. W. S. Pritchard. 1,687,309; Oct. 9.
- Air directioner, Tempered-. A. J. Janacek. 1,689,489; Oct. 30.
- Air-ejector apparatus. D. W. R. Morgan. 1,684,406; Sept. 18.
- Air-flow phenomena, Visualizing. E. N. Fales and F. W. Caldwell. 1,676,984; July 10.
- Air from suction boxes, Apparatus for withdrawing. M. Wenzel. 1,688,216; Oct. 16.
- Air gauge. A. E. Bronson. 1,663,540; Mar. 27.
- Air generator, Hot-. H. W. Allen. 1,682,102; Aug. 28.
- Air gun. C. F. Lefever. 1,686,702; Oct. 9.
- Air gun, Spring. C. F. Lefever. 1,686,752; Oct. 9.
- Air heater. H. Baetz. 1,655,214; Jan. 3.
- Air heater. H. Baetz. 1,684,330; Sept. 18.
- Air heater. L. A. Benner. 1,689,067; Oct. 23.
- Air heater. J. E. Bolling and E. Szekeley. 1,690,326; Nov. 6.
- Air heater. T. B. Dissett. 1,677,553; July 17.
- Air heater. H. F. Gauss. 1,671,188-9; May 29.
- Air heater. H. F. Gauss. 1,688,618; Oct. 23.
- Air heater. J. C. Hosch. 1,658,198; Feb. 7.
- Air heater. J. H. Hume. 1,686,614; Oct. 9.
- Air heater. W. L. Long. 1,694,351; Dec. 4.
- Air heater. M. Lürken. 1,668,537; May 1.
- Air heater. W. H. Owen. 1,673,992; June 19.
- Air heater, Electric. V. G. Vaughan. 1,695,870; Dec. 18.
- Air heater, Fin-type. O. W. Ott. 1,681,428; Aug. 21.
- Air heater, Plate. C. D. Mosher. 1,692,562; Nov. 20.
- Air heater, Regenerative. H. F. Gauss. 1,688,700; Oct. 23.
- Air-heating furnace. J. Mulder. 1,660,565; Feb. 28.
- Air heating, Method of and apparatus for forced-. G. T. Houghtby. 1,673,074; June 12.
- Air-hose-coupling safety device. J. L. Shultz. 1,661,635; Mar. 6.
- Air injector, Steam-actuated. L. E. Harter. 1,666,136; Apr. 17.
- Air inlet. S. Kauffman. 1,659,880; Feb. 21.
- Air in mines, Drying. K. Brunzel. 1,658,114; Feb. 7.
- Air in storage chambers, System for conditioning. C. A. Moore. 1,693,856; Dec. 4.
- Air intake, Suction. C. G. Hawley. 1,664,683; Apr. 3.
- Air moistener for internal-combustion engines. B. B. Briggs. 1,660,431; Feb. 28.
- Air or seaplane station. G. A. Uhl. 1,686,298; Oct. 2.
- Airplane. R. B. Beisel and W. L. Gilmore. 1,666,769; Apr. 17.
- Airplane. V. J. Burnelli. 1,662,915; Mar. 20.
- Airplane. A. H. G. Fokker. 1,681,331; Aug. 21.
- Airplane. C. W. Hall. 1,656,193; Jan. 17.
- Airplane. R. F. Hall. 1,664,295; Mar. 27.
- Airplane. C. J. Loisy. 1,695,114; Dec. 11.
- Airplane. W. Lenert. 1,696,493; Dec. 25.
- Airplane. R. G. Miller. 1,671,081; May 22.
- Airplane. B. Reichelt. 1,683,805; Sept. 11.
- Airplane. N. M. Sleeper. 1,665,480; Apr. 10.
- Airplane. E. H. Thompson. 1,662,406; Mar. 13.
- Airplane and zeppelin, Combination. W. F. Short. 1,677,150; July 17.
- Airplane-arresting hook. H. H. Haase and F. G. Arnold. 1,668,113; May 1.
- Airplane construction. J. F. Nordberg. 1,672,276; June 5.
- Airplane construction. C. H. Powell. 1,676,231; July 3.
- Airplane floats, Construction for. G. Loening. 1,684,187; Sept. 11.
- Airplane hangar. T. Ahlborn. Des. 75,199; May 22.
- Airplane landing hook. E. S. Campbell. 1,670,402; May 22.
- Airplane motor. E. A. Stalker. 1,656,245; Jan. 17.
- Airplane propeller. E. E. Cothran. 1,658,284; Feb. 7.
- Airplane-rudder control. H. A. Hicks. 1,655,698; Jan. 10.

- Airplane stabilizer. C. J. Smith. 1,667,224; Apr. 24.
Airplane strut terminal, Adjustable. J. C. Sanders. 1,695,611; Dec. 18.
Airplane wing. E. A. Stalker. 1,691,942; Nov. 20.
Airplane-wing structure. H. J. Le Pul. 1,693,449; Nov. 27.
Airplanes, Lateral control for. A. H. G. Fokker. 1,664,204; Mar. 27.
Airplanes, Safety apparatus for. W. H. Wenstrom. 1,681,562; Aug. 21.
Airplanes, Safety device for. R. L. Foskit. 1,657,209; Jan. 24.
Airplanes, Safety device for. A. Jost. 1,677,638; July 17.
Airplanes, Tail skid for. C. W. Dworack. 1,693,503; Nov. 27.
Airplanes, Tail-skid shoe for. J. F. Haberlin. 1,665,849; Apr. 10.
Air pockets in solid rubber, Forming. C. G. Fawkes. 1,673,974; June 19.
Air port, Sea. G. M. Sachs. 1,670,524; May 22.
Air preheater. R. A. Foresman. 1,660,788; Feb. 28.
Air preheater. P. Thomsen. 1,662,991; Mar. 20.
Air-pressure brake. E. Krehann. 1,677,033; July 10.
Air-pressure gauge. A. E. Carliss. 1,685,273; Sept. 25.
Air-pressure regulator. E. O. Schjolin. 1,668,517; May 1.
Air purifier. C. C. Farmer. 1,693,646-7; Dec. 4.
Air-purifying cartridge for breathing devices. A. B. Dräger. 1,654,925; Jan. 3.
Air register. C. Strachan and D. J. Irish. 1,665,800; Apr. 10.
Air-regulating device for automobile radiators. G. G. Marshall. 1,696,208; Dec. 25.
Air-regulating means for liquid-fuel furnaces. B. H. Noland. 1,685,031; Sept. 18.
Air separator. T. J. Sturtevant. 1,673,343; June 12.
Air-service equipment. T. M. Manson. 1,661,186; Mar. 6.
Airship. J. S. Abreu. 1,687,000; Oct. 9.
Airship. A. Bradford. 1,656,137; Jan. 10.
Airship. R. G. Donaldson. 1,690,773; Nov. 6.
Airship. A. J. Harpstrite. Des. 77,001; Nov. 27.
Airship. J. D. Langdon. 1,694,880; Dec. 11.
Airship. L. P. Lidback. 1,685,458; Sept. 25.
Airship. L. W. Mammen. 1,664,565; Apr. 3.
Airship. R. J. McLaughlin. 1,670,778; May 22.
Airship. W. V. N. Powelson and W. Travell. 1,656,236; Jan. 17.
Airship. V. C. Richmond and G. H. Scott. 1,690,878; Nov. 6.
Airship. H. Strobl. 1,682,025; Aug. 28.
Airship. B. N. Wallis. 1,666,112; Apr. 17.
Airship. J. E. Whittlesey. 1,671,802; May 29.
Airship. L. Williams. 1,688,769; Oct. 23.
Airship anchorage. W. Aubertin. 1,670,707; May 22.
Airship and nonsinkable sailing vessel for passenger service, Combined dirigible. M. Jelalian. 1,668,720; May 8.
Airship, Dirigible. A. Faber. 1,679,565; Aug. 7.
Airship, Dirigible. R. P. Fox. 1,681,848; Aug. 21.
Airship, Dirigible. R. P. Fox. 1,684,730; Sept. 18.
Airship, Gas-inflated. W. E. Dörr. 1,683,764; Sept. 11.
Airship, Gas-inflated. L. Dürr. 1,673,497; June 12.
Airship, Gas inflated. E. Lempertz. 1,665,886; Apr. 10.
Airship, Gas-supported. K. Siller. 1,679,550; Aug. 7.
Airship hull. K. Arnstein. 1,673,481; June 12.
Airship landing station. F. W. Schwerdtfeger. 1,666,354; Apr. 17.
Airship, Nonrigid. H. Naatz. 1,682,405; Aug. 28.
Airship, Rigid. K. Arnstein. 1,669,592; May 15.
Airship, Rigid. A. Ryan. 1,675,427; July 3.
Airship, Rigid. B. N. Wallis. 1,675,009; June 26.
Airship, Semirigid. W. B. Wheeler. 1,684,425; Sept. 18.
Airship with mixed sustentation. G. Tallei. 1,695,394; Dec. 18.
Airships, Constructing the hulls of. T. B. Slate. 1,681,790; Aug. 21.
Airships, Construction of. V. C. Richmond. 1,683,490; Sept. 4.
Airships, Construction of rigid. V. C. Richmond and G. H. Scott. 1,656,830; Jan. 17.
Airships, Gas cell for. K. Arnstein. 1,658,876; Feb. 14.
Airships, Gas cell for. E. Schoettel. 1,689,184; Oct. 23.
Airships, Gas cell for rigid. H. R. Liebert and E. Schoettel. 1,676,832; July 10.
Airships, Hull structure for rigid. K. Arnstein. 1,662,021; Mar. 6.
Air spring. R. L. Gruss. 1,692,035; Nov. 20.
Air spring. J. A. Heany. 1,694,821; Dec. 11.
Airspring with nonelastic fluid shock absorber. J. H. O'Neill. 1,685,077; Sept. 18.
Air stand. W. L. Phillips. 1,660,935; Feb. 28.
Air-supply system. O. L. Ingram. 1,684,031; Sept. 11.
Air testing and inflating means. E. H. McFarland. 1,666,861; Apr. 17.
Air-tight heater. S. Loafea. 1,692,180; Nov. 20.
Air to ice-making plants, Apparatus for supplying dehumidified. I. C. Jennings. 1,680,381; Aug. 14.
Air-trapping device for lubricating cups. W. B. Lynch. 1,675,036; June 26.
Air under pressure, Apparatus for supplying. J. C. Woodford. 1,664,710; Apr. 3.
Air-volume-controlling device for water-storage tanks, Automatic. A. Penn. 1,674,341; June 19.
Air washer and carburetor. H. McCornack. 1,661,540; Mar. 6.
Air-washer structure. A. H. Colbert. 1,686,144; Oct. 2.
Air waves for aural kinesitherapy, Utilizing. B. E. Eldred. 1,678,565; July 24.
Alarm: See—
Antitheft alarm. Low-water alarm.
Automobile alarm. Overflow alarm.
Burglar alarm. Railroad-crossing alarm.
Circuit alarm. Theft alarm.
Fire alarm. Vehicle alarm.
Alarm. S. Sotak, jr. 1,692,518; Nov. 20.
Alarm and control device. M. E. Fultz. 1,675,849; July 3.
Alarm and emergency supply for tank dispensing devices. G. Shearman. 1,671,552; May 29.
Alarm and signal mechanism for the detection of punctures or air-pressure changes in pneumatic tires. C. Potesio. 1,673,883; June 19.
Alarm and system involving the same, Pyrotechnic. H. C. Gammeter. 1,687,159; Oct. 9.
Alarm apparatus. S. E. Cheney. 1,691,378; Nov. 13.
Alarm bell, Arrangement for the better exhaust and use of the explosion of the motor gas in order to operate an. G. Nocito. 1,676,346; July 10.
Alarm circuit. J. F. Meyers. 1,682,049; Aug. 28.
Alarm device. H. Moeser. 1,687,876; Oct. 16.
Alarm device. W. C. Roe. 1,665,677; Apr. 10.
Alarm device. J. D. Schultz. 1,686,295; Oct. 2.
Alarm device for acoustic indication of air deficiency pneumatic tires, especially for automobiles. H. S. Christophersen. 1,655,132; Jan. 3.
Alarm device for alarm valves, Constant-. H. G. Carlson. 1,679,404; Aug. 7.
Alarm device for clocks in signaling systems. J. W. Bryce. 1,676,075; July 3.
Alarm device, Rotary. L. A. Grimes. 1,686,692; Oct. 9.
Alarm device, Theft-. M. Greene. 1,654,931; Jan. 3.
Alarm for automobiles. Z. A. Curtis. 1,694,842; Dec. 11.
Alarm for automobiles, Burglar. E. G. Schultz. 1,687,110; Oct. 9.
Alarm for mines, Pressure-fluctuating. R. C. Fagan. 1,666,282; Apr. 17.
Alarm gauge. O. W. Heise. 1,689,830; Oct. 30.
Alarm lock, Burglar-. W. J. Tyson. 1,659,502; Feb. 14.
Alarm mechanism. C. J. Lynch. 1,685,329; Sept. 25.
Alarm mechanism. A. C. Rowley. 1,661,050; Feb. 28.
Alarm or signal device operated by the flow of gas to burners. A. Goodstone. 1,671,578; May 29.
Alarm switch and door lock. A. Re. 1,674,570; June 19.
Alarm system. R. E. Joron. 1,684,032; Sept. 11.
Alarm system, Automobile theft-. H. C. Hay. 1,689,434; Oct. 30.
Alarm with variable intensity. R. C. Pierce. 1,691,081; Nov. 13.
Alarms, Circuit closer for electric. M. T. Cabral. 1,678,555; July 24.
Album for photos and their negatives and (or) for index cards and the like. F. Horváth, sr. 1,667,972; May 1.
Album, Phonograph-record. M. Nystrom. 1,683,479; Sept. 4.
Albumin preparations, Manufacturing. A. Busch. 1,688,228; Oct. 16.
Alcohol and its derivatives, Preparation of polymerized vinyl. W. O. Herrmann and W. Haehnel. 1,672,156; June 5.
Alcohol and the color in alcoholic liquids, Process to determine the. J. F. Williams. 1,689,901; Oct. 30.
Alcohol and the like, Dehydrating. W. K. Lewis. 1,676,700; July 10.
Alcohol, Apparatus for testing. H. F. Taylor. 1,674,416; June 19.
Alcohol by fermentation, Producing acetone and butyl. E. F. Pike and H. F. Smyth. 1,655,435; Jan. 10.
Alcohol-carboxylic-acid resin and making same, Water-resistant polyhydric. C. R. Downs and L. Weisberg. 1,667,197; Apr. 24.
Alcohol, Dehydrating. J. A. Steffens. 1,670,053; May 15.
Alcohol, Deodorizing isopropyl. C. S. Hudson. 1,657,505; Jan. 31.
Alcohol for carburants, Dehydration of. E. Ricard and H. Guinot. 1,659,958; Feb. 21.
Alcohol, Making acetone and butyl. G. W. Freiberg. 1,672,487; June 5.
Alcohol, Making isopropyl. G. O. Curme, Jr., and E. W. Reid. 1,695,249; Dec. 11.
Alcohol, Obtaining absolute. D. B. Keyes. 1,676,735; July 10.
Alcohol resins, Water-resistant carboxylic acid-polyhydric. C. R. Downs and L. Weisberg. 1,667,198; Apr. 24.
Alcoholates of compounds containing alcoholic hydroxyl groups, Preparing alkali-metal. C. Van Loon. 1,681,600; Aug. 21.
Alcohols, Making olefine. F. W. Lommen. 1,688,083; Oct. 16.
Aldehyde compounds of diamino-acridines and the novel product resulting therefrom, Manufacture of. G. W. Raiziss and B. C. Fisher. 1,670,740; May 22.
Aldehyde derivatives and products, Treating rubber with. S. M. Cadwell. 1,662,182; Mar. 13.
Aldehyde, Purification of butyric. C. Bogin. Re17,157; Dec. 11.
Aldehydes and in the manufacture thereof, Unsaturated. H. Rupe. 1,670,825; May 22.

- Aligning device. E. F. Maas. 1,691,772; Nov. 13.
Aligning device. G. R. Maupin. 1,677,837; July 17.
Aligning device, Table-leaf. A. J. Belrose. 1,682,210; Aug. 28.
Aligning pump liners within pump shells. L. P. Burgess. 1,690,399; Nov. 6.
Alignment indicator, Wheel-. H. A. Buckert and E. K. Hall. 1,686,895; Oct. 9.
Aliphatic aldehyde derivative of the condensation product of an aliphatic aldehyde and an aromatic primary amine and making same. C. O. North. 1,659,152; Feb. 14.
Aliphatic compounds, Manufacture of. W. Bader. 1,693,331; Nov. 27.
Alkali cellulose and cellulose ethers, Preparation of. L. Lilienfeld. 1,683,682; Sept. 11.
Alkali cyanides, Making. C. P. Davis and G. B. Frost. 1,672,449; June 5.
Alkali fusion. V. R. Kokatnur. 1,667,480; Apr. 24.
Alkali-metal compounds from silicates containing them, Production of. T. A. Edison. 1,678,246; July 24.
Alkali-metal hydroxides, Making. L. P. Curtin. 1,678,767; July 31.
Alkali-metal xanthates, Producing. R. B. Crowell and G. F. Breckenridge. Re16,866; Jan. 31.
Alkaline-earth-metal sulphides from alkaline-earth-metal sulphates, Obtaining. T. H. Lichtenberger and K. Flor. 1,667,423; Apr. 24.
Alkaline mixture containing oxysalt of arsenic and/or oxysalt of tin, Separation of ingredients from an. H. Harris. 1,674,642; June 26.
Alkaline salts of secondary and tertiary origin, Treating natural. A. Lambert. 1,660,561; Feb. 28.
Alkaloids and making same, Camphoric. W. Schoeller and H. Schotte. 1,672,000; June 5.
Alkaloids and making same, Derivative of cinchona. A. Rothmann. 1,660,178; Feb. 21.
Alkaloids, Obtaining. G. W. F. F. Knoth. 1,686,866; Oct. 9.
Alkyl compounds of lead, Preparing. C. A. Kraus and C. C. Callis. 1,694,268; Dec. 4.
Alkyl cumaranes and making same. H. Jordan. 1,679,664; Aug. 7.
Alkyl derivatives of diphenolisatine and making same. A. Blankart. 1,667,239; Apr. 24.
Alkyl ethers of 3'-nitro 4'-hydroxy ortho-benzoyl benzoic acid, Preparing. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,665,541; Apr. 10.
Alkyl Isoalkyl cyclohexanols, Making. W. Schoeller and H. Jordan. 1,696,782; Dec. 25.
Alkylation. C. A. Kraus and C. C. Callis. 1,690,075; Oct. 30.
Alkylation of carbazol. R. W. Hess and J. C. Siemann. 1,662,061; Mar. 13.
Alloy. G. H. Bender. 1,685,975; Oct. 2.
Alloy. M. G. Corson. 1,667,966; May 1.
Alloy. M. G. Corson. 1,671,408; May 29.
Alloy. R. S. Dean and W. E. Hudson. 1,674,958; June 26.
Alloy. R. Franks and B. E. Field. 1,684,131; Sept. 11.
Alloy. J. A. Gann. 1,688,043; Oct. 16.
Alloy. A. G. C. Gwyer, and H. W. C. Phillips. 1,657,389; Jan. 24.
Alloy. A. G. C. Gwyer and H. W. L. Phillips. 1,676,856; July 10.
Alloy. N. V. Hybinette. 1,675,708; July 3.
Alloy. W. F. Stoodly. 1,671,384; May 29.
Alloy. F. Visintainer. 1,680,577; Aug. 14.
Alloy. S. E. Winslow. 1,683,749; Sept. 11.
Alloy, Aluminum-base. R. S. Archer. 1,663,150; Mar. 20.
Alloy and its application in the manufacture of telegraphic and telephonic cables, Magnetic. W. S. Smith, N. Poppleford, and H. J. Garnett. 1,656,959; Jan. 24.
Alloy and its application to the manufacture of electrical conductors. W. S. Smith, H. J. Garnett, and J. A. Holden. 1,683,247; Oct. 16.
Alloy and its uses. W. P. Dreaper. 1,680,598; Aug. 14.
Alloy and making same. R. Franks and B. E. Field. 1,675,798; July 3.
Alloy and making same, Magnesium. W. R. Veazey. 1,685,653; Sept. 25.
Alloy and making the same. A. L. Feild. 1,684,696; Sept. 18.
Alloy and making the same, Steel. E. Pakulla. 1,661,907; Mar. 6.
Alloy and material employing the same. J. G. Donaldson and H. L. Coles. 1,668,307; May 1.
Alloy and producing and treating the same, Copper. M. G. Corson. 1,658,186; Feb. 7.
Alloy and producing same, Hardened lead. R. S. Dean and W. E. Hudson. 1,674,954; June 26.
Alloy and structure, Heat-resisting. N. V. Hybinette. 1,675,709; July 3.
Alloy base for oxide-coated cathodes. G. W. Hallock. 1,695,845; Dec. 18.
Alloy, Bearing. C. H. Bierbaum. 1,687,924; Oct. 16.
Alloy, Bearing. I. R. Valentine. 1,667,641; Apr. 24.
Alloy, Bearing-metal. K. Müller and W. Sander. 1,691,931-2; Nov. 20.
Alloy, Copper. F. Heusler. 1,692,936; Nov. 27.
Alloy, Ferrous. P. A. E. Armstrong. 1,687,486; Oct. 16.
Alloy, Ferrous. C. Meier. 1,662,158; Mar. 13.
Alloy, Hardenable. R. S. Dean. 1,674,959; June 26.
Alloy, Heat-resisting. A. L. Boegehold. 1,680,007; Aug. 7.
Alloy, Heat-resisting. H. M. Williams. 1,690,352; Nov. 6.
Alloy, Improving the qualities of nickel-beryllium. G. Masing and O. Dahl. 1,685,570; Sept. 25.
Alloy, Lead. H. Yoshikawa. 1,681,272; Aug. 21.
Alloy, Light metal. J. A. Gann. 1,680,262; Aug. 7.
Alloy, Magnetic. O. E. Buckley. 1,695,038; Dec. 11.
Alloy, Magnetic. W. S. Smith, H. J. Garnett, and J. A. Holden. 1,667,746; May 1.
Alloy, Metal. G. C. Deeter. 1,656,695-6; Jan. 17.
Alloy of copper, tin, and nickel. R. Ozielberger. 1,661,083; Feb. 28.
Alloy of high resistance, Aluminum. H. Bénit. 1,680,004; Aug. 7.
Alloy, Stable-surface iron-chromium-silicon. P. A. E. Armstrong. 1,686,223; Oct. 2.
Alloy steel. H. B. Allen. 1,681,797; Aug. 21.
Alloy steel. G. J. Comstock. 1,695,916; Dec. 18.
Alloy, Steel. G. L. Norris. 1,680,301; Aug. 14.
Alloy steel for die blocks and other purposes, Preparing. G. N. Herman. 1,660,790; Feb. 28.
Alloy-steel process, Hard-. C. L. Delachaux. 1,671,572; May 29.
Alloy, Zinc-base. W. M. Pierce and E. A. Anderson. 1,663,215; Mar. 20.
Alloy, Zirconium. C. R. Fonda. 1,658,712; Feb. 7.
Alloy, Zirconium-treated iron-chromium. F. M. Becket. 1,689,276; Oct. 30.
Alloying compound, Molybdenum. E. A. Lucas. 1,681,123; Aug. 14.
Alloying compounds, Manufacturing molybdenum. E. A. Lucas. 1,681,124; Aug. 14.
Alloys and improved product, Treating copper. V. O. Homerberg and D. N. Shaw. 1,680,045-6; Aug. 7.
Alloys, Copper chromium ferrous. B. D. Saklatwalla. 1,676,929; July 10.
Alloys, Corrosion-resistant. M. G. Corson. 1,657,957; Jan. 31.
Alloys, Determining the composition of copper and zinc. M. Polanyi and S. von Bogdandy. 1,676,709; July 10.
Alloys, Extruding and improving of lead. R. S. Dean and W. E. Hudson. 1,674,956; June 26.
Alloys, Heat treating magnesium. Z. Jeffries and R. S. Archer. 1,689,630; Oct. 30.
Alloys, Heat treatment of. K. J. Jacobi. 1,664,175; Mar. 27.
Alloys, Making commercially-pure iron. L. F. Reinartz and J. H. Nead. 1,665,146; Apr. 3.
Alloys, Manufacture of. V. B. Browne. 1,658,879; Feb. 14.
Alloys, Manufacture of. W. M. Grosvenor and V. P. Gershon. 1,668,642; May 8.
Alloys of the platinum group, Production of. E. Haaga. 1,660,159; Feb. 21.
Alloys on which work is to be performed, Preparing lead. R. S. Dean and W. E. Hudson. 1,674,955; June 26.
Alloys, Pickling chromium-iron. L. Schulte. 1,657,228; Jan. 24.
Alloys, Producing nickel. N. V. Hybinette. 1,674,438; June 19.
Alloys, Treating. N. B. Pilling. 1,671,484; May 29.
Alloys, Treatment of nickel-copper-aluminum. T. S. Fuller. 1,675,264; June 26.
Alphabetical sorter. H. T. Goss. 1,669,238; May 8.
Alternate-current machine, Compensated. R. Richter and W. Sarfert. 1,687,311; Oct. 9.
Altimeter, Precision. D. M. Reeves. 1,666,179; Apr. 17.
Alumina and other materials, Heat treatment of. T. S. Curtis. 1,662,739; Mar. 13.
Alumina free from iron, Producing. H. Specketer. 1,672,788; June 5.
Alumina, Production of. C. M. Brown. 1,675,157; June 26.
Aluminate and preparing the same, Tribarium. G. W. Morey. 1,688,054; Oct. 16.
Aluminous materials, Apparatus for treating. E. Molkenke. 1,658,457; Feb. 7.
Aluminum alloys, Improving. W. Sander. 1,656,502; Jan. 17.
Aluminum and producing the same, Nonseizing article of. C. S. Taylor. 1,661,448; Mar. 6.
Aluminum chloride, Making. A. M. McAfee and G. I. Roberts. 1,690,990; Nov. 6.
Aluminum chloride, Manufacture of. G. S. Tilley. 1,661,100; Feb. 28.
Aluminum compounds, Making. G. Muth. 1,661,618; Mar. 6.
Aluminum containing minerals, Treating. W. G. Björkstéd. 1,681,921; Aug. 28.
Aluminum halides and nitrogen by-products, Producing anhydrous. C. G. Miner. 1,688,504; Oct. 23.
Aluminum-melting furnace. P. H. Romph. 1,671,546; May 29.
Aluminum sulphate and the product thereof, Producing basic. D. B. Bradner. 1,663,435; Mar. 20.
Aluminum sulphate, Making. R. M. Meiklejohn. 1,679,366; Aug. 7.
Aluminum to iron and steel sheets and bands, Applying a plating of. O. Jaeger and E. Lueth. 1,667,787; May 1.
Amalgam plugger. E. M. Snyder. 1,676,715; July 10.
Amalgamator. F. and L. Davis. 1,666,121; Apr. 17.
Amalgamator attachment. I. G. Bergh and L. Nelsen. 1,694,678; Dec. 11.
Amalgamator, Centrifugal. R. Thayer. 1,669,430; May 15.

- Amalgams, Apparatus for kneading and forming. K. Zentner. 1,694,524; Dec. 11.
- Amidoguanidines and their alkyl derivatives, Production of. M. Heyn. 1,672,029; June 5.
- Amines and aldehydes, Manufacturing derivatives of the reaction product of. C. O. North. 1,659,151; Feb. 14.
- Amines, Producing aromatic. C. W. Davis. 1,663,476; Mar. 20.
- Amines, Production of primary. P. Herold and P. Koppe. 1,662,421; Mar. 13.
- Amibanthraquinones, Manufacture of. H. Berthold. 1,691,428; Nov. 13.
- Aminodiazisulphonpyrazolone azodyestuffs. H. Schweitzer. 1,685,071; Sept. 18.
- Ammeter frame. J. E. Eshbaugh. 1,685,992; Oct. 2.
- Ammonia, Apparatus for the production of synthetic. G. Fauser. 1,686,371; Oct. 2.
- Ammonia, Directly producing. C. Otto. 1,696,446; Dec. 25.
- Ammonia from synthesis gases, Removing. R. E. Slade and K. Gordon. 1,679,792; Aug. 7.
- Ammonia-oxygen mixtures, Catalytic combustion of. I. W. Cederberg. 1,666,958; Apr. 24.
- Ammonia synthesis process and catalyst. A. T. Larson. 1,667,322-3; Apr. 24.
- Ammonia, Synthetically producing. G. F. Uhde. 1,685,734; Sept. 25.
- Ammonia vapors, Dehydrating. C. Cooper and D. M. Henshaw. 1,654,863; Jan. 3.
- Ammonium and process of manufacture, Sulpho-ichthyolate of. D. H. Rowland. 1,664,376; Mar. 27.
- Ammonium-nitrate solutions, Rapid evaporation to dryness of. C. Toniolo. 1,661,203; Mar. 6.
- Ammonium phosphate, Manufacture of. R. Griessbach and K. Röhre. 1,659,198; Feb. 14.
- Ammunition-loading apparatus for ordnance. A. T. Dawson and G. T. Buckham. 1,656,727; Jan. 17.
- Amplification system. L. C. F. Horle. 1,693,898; Dec. 4.
- Amplification system. A. H. Taylor. 1,672,010; June 5.
- Amplifier. I. F. Byrnes. 1,665,843; Apr. 10.
- Amplifier. E. W. Graef. 1,665,699; Apr. 10.
- Amplifier. A. W. Hull. 1,683,134; Sept. 4.
- Amplifier. J. M. Miller. 1,668,653; May 8.
- Amplifier. J. Platt. 1,666,303; Apr. 17.
- Amplifier. D. M. Terry. 1,672,840; June 5.
- Amplifier and radiator, Acoustic. E. A. Graham. 1,678,214; July 24.
- Amplifier, Audiofrequency. H. P. Donle. 1,666,412; Apr. 17.
- Amplifier circuit. L. M. Hull. 1,668,151; May 1.
- Amplifier circuit, Electrical. L. M. Hull. 1,667,710; Apr. 24.
- Amplifier circuit, Electrical. L. M. Hull. 1,672,811; June 5.
- Amplifier circuits. J. W. Foley. 1,654,929; Jan. 3.
- Amplifier connection. F. Gehrts. 1,688,701; Oct. 23.
- Amplifier of electrical currents. E. H. Loftin. 1,683,083; Sept. 4.
- Amplifier of high-frequency electrical currents. E. H. Loftin and W. F. Grimes. 1,675,186; June 26.
- Amplifier, Phonograph sound. C. A. Linton. 1,663,989; Mar. 27.
- Amplifier, Radiofrequency. F. K. Freeland. 1,666,518; Apr. 17.
- Amplifier, Radiofrequency. F. K. Vreeland. 1,682,874; Sept. 4.
- Amplifier, Sound-reproducing. A. H. Gibson. 1,673,768; June 12.
- Amplifiers, Method of and apparatus for operating electrical. E. H. Loftin. 1,686,755; Oct. 9.
- Amplifying. R. A. Heising. 1,687,245; Oct. 9.
- Amplifying attachment for horns of sound-reproducing instruments. W. E. Weatherly. 1,689,986; Oct. 30.
- Amplifying electric signal impulses. H. F. Herbig. 1,657,396; Jan. 24.
- Amplifying electrical variations. H. C. Baumann. 1,675,874; July 3.
- Amplifying repeater. J. S. Jammer. 1,665,501; Apr. 10.
- Amplifying system. W. L. Carlson. 1,687,540; Oct. 16.
- Amplifying system. A. Crossley. 1,671,105; Oct. 16.
- Amplifying system. C. W. Green. 1,668,240; May 1.
- Amplifying system. W. A. MacDonald. 1,680,424; Aug. 14.
- Amplifying system, Magnetic. R. A. Heising. 1,654,932; Jan. 3.
- Ampul. A. E. Smith. 1,674,927-8; June 26.
- Ampule. L. W. von Gans. 1,669,729; May 15.
- Ampules, Controlling the fluid outlet of. G. N. Hein. 1,658,720; Feb. 7.
- Amusement and educational device. L. S. Rothenberg. 1,686,105; Oct. 2.
- Amusement apparatus. A. Kudler. 1,662,504; Mar. 13.
- Amusement apparatus. E. Mayette. 1,666,018; Apr. 10.
- Amusement apparatus. H. N. Ridgway. 1,665,981; Apr. 10.
- Amusement apparatus. W. B. Waring. 1,680,350; Aug. 14.
- Amusement apparatus. H. S. Weinstein. 1,671,000; May 22.
- Amusement apparatus. J. Whiteley. 1,668,620; May 8.
- Amusement apparatus. E. K. Wood. 1,656,805; Jan. 17.
- Amusement device. S. P. Ambrose. 1,675,684; July 3.
- Amusement device. E. O. Brower. 1,675,209; June 26.
- Amusement device. E. A. Christoph. 1,667,101; Apr. 24.
- Amusement device. J. E. Craddock. 1,665,129; Apr. 3.
- Amusement device. A. B. Dewes. 1,684,535; Sept. 18.
- Amusement device. C. Fleischer. 1,663,752; Mar. 27.
- Amusement device. M. E. Huth. 1,665,364; Apr. 10.
- Amusement device. A. F. Larson. 1,658,131; Feb. 7.
- Amusement device. D. H. Marx. 1,673,631; June 12.
- Amusement device. B. S. Moore. 1,660,012; Feb. 21.
- Amusement device. G. F. Myers. 1,659,697; Feb. 21.
- Amusement device. J. S. Nairn. 1,658,733; Feb. 7.
- Amusement device. Y. Nakashima. 1,678,573; July 24.
- Amusement device. I. Noda. 1,680,167; Aug. 7.
- Amusement device. C. Robles. 1,666,219; Apr. 17.
- Amusement device. O. Rouge. 1,682,803; Sept. 4.
- Amusement device. A. F. Schierburg. 1,672,692; June 5.
- Amusement device. J. J. Schmid. 1,693,798; Dec. 4.
- Amusement device. M. Shellabarger. 1,660,139; Feb. 21.
- Amusement device. A. Spillman. 1,672,958; June 12.
- Amusement device. H. Steinmetz. 1,673,999; June 19.
- Amusement device. J. J. Stock. 1,669,104; May 8.
- Amusement device. W. A. Tratsch. 1,656,306; Jan. 17.
- Amusement device. A. Vaszin. 1,685,577; Sept. 25.
- Amusement device, Aquatic. H. Uberto. 1,683,058; Sept. 4.
- Amusement device, Automobile riding. F. S. Rich. 1,668,249; May 1.
- Amusement device, Exercising prize. A. Steinberger. 1,664,272; Mar. 27.
- Amusement device for inducing sensations of aviation. R. M. Edwards. 1,686,315; Oct. 2.
- Amusement device, Rotary. E. E. Clark. 1,676,522; July 10.
- Amusement device, Rotary. S. J. Swanson. 1,671,329; May 29.
- Amusement device, Spring-shoe. E. Menefee. 1,679,046; July 31.
- Amusement device, Traffic-simulating. L. Marx. 1,660,716; Feb. 28.
- Amusement house. N. A. Cannon. 1,676,458; Oct. 2.
- Amylaceous molded product and making same. C. Ellis. 1,664,600; Apr. 3.
- Amylul resorcinol, Normal. A. R. L. Dohme. 1,677,116; July 10.
- Anaesthetic and manufacturing same. W. J. Pope. 1,692,695; Nov. 20.
- Anaesthetics of the metaaminobenzoic acid ester series, Manufacture of easily-soluble. O. Billette, E. Rothlin, and J. Peyer. 1,678,317; July 24.
- Anaesthetizing. J. B. Heck, jr., and J. J. Sweeney. 1,688,332; Oct. 23.
- Anaesthetizing apparatus. J. A. Heldbrink. 1,667,113; Apr. 24.
- Analyzing the alveolar air from the lungs, Apparatus for. H. Regelsberger. 1,685,557; Sept. 25.
- Anchor. T. Birkenmaier. 1,659,348; Feb. 14.
- Anchor. C. C. Tomkinson. 1,695,303; Dec. 18.
- Anchor. L. P. Williams. 1,666,805; Apr. 17.
- Anchor and the like, Pipe-hanger. W. Wright. 1,685,039; Sept. 18.
- Anchor and tie, Rail. B. B. Gallagher. 1,670,251; May 15.
- Anchor, Anticreep rail. W. E. Williams. 1,689,003; Oct. 23.
- Anchor, Breakable rail. J. P. Costello. 1,674,354; June 19.
- Anchor clamp. K. A. Hawley. 1,693,440; Nov. 27.
- Anchor, Concrete. W. E. Bilhorn. 1,695,523; Dec. 18.
- Anchor device. C. P. Seyler. 1,690,697; Nov. 6.
- Anchor, Draft-key. J. McMullen. 1,657,864; Jan. 31.
- Anchor, Earth. J. Blackburn. 1,658,155; Feb. 7.
- Anchor, Fence-post. M. E. Anderson. 1,689,316; Oct. 30.
- Anchor for floor sleepers. H. H. Lampert. 1,662,645; Mar. 13.
- Anchor for floor sleepers. T. J. Senesac. 1,696,695; Dec. 25.
- Anchor for lift bridges, Rope. L. R. Ash. 1,671,693; May 29.
- Anchor for plaster casings. W. S. Thomas. 1,674,418; June 19.
- Anchor for sleepers. C. E. Bowers. 1,670,875; May 22.
- Anchor, Gas. C. A. Carlson. 1,662,296; Mar. 13.
- Anchor, Gas. C. A. Carlson. 1,682,114; Aug. 28.
- Anchor, Ground. J. Marrinan. 1,676,197; July 3.
- Anchor, Guy-wire. J. H. Holmgren. 1,659,527; Feb. 14.
- Anchor, Land. R. R. and A. Hirst. 1,691,480; Nov. 13.
- Anchor mounting, Safety. A. Bardello. 1,665,837; Apr. 10.
- Anchor, Oil-derrick. G. B. Mullen. 1,685,716; Sept. 25.
- Anchor plate. G. Mares. 1,664,453; Apr. 3.
- Anchor-plate assembly. F. K. North. 1,669,208; May 8.
- Anchor, Post. W. J. McIlvaine. 1,659,210; Feb. 14.
- Anchor, Post. S. Smiley, jr. 1,684,894; Sept. 18.
- Anchor, Rail. C. W. Baldrige. 1,679,112; July 31.
- Anchor, Rail. B. B. Betts. 1,666,114; Apr. 17.
- Anchor, Rail. R. A. Blair. 1,679,646; Aug. 7.
- Anchor, Rail. E. A. Blair. 1,693,804; Dec. 4.
- Anchor, Rail. J. T. Brooks and E. A. Skowron. 1,682,478; Aug. 28.
- Anchor, Rail. B. M. Cheney. 1,678,461; July 24.
- Anchor, Rail. F. W. Cooper. 1,682,370; Aug. 28.
- Anchor, Rail. J. A. Diener and A. C. Mabec. 1,680,669; Aug. 14.
- Anchor, Rail. J. A. Evans. 1,682,218; Aug. 28.
- Anchor, Rail. S. W. Fairweather. 1,674,859; June 26.

- Anchor, Rail. F. G. Freese and R. C. Paxson. 1,695,998; Dec. 18.
- Anchor, Rail. H. G. Gillmor. 1,686,319; Oct. 2.
- Anchor, Rail. E. N. Johnson. 1,690,979; Nov. 6.
- Anchor, Rail. R. E. Keough. 1,694,878; Dec. 11.
- Anchor, Rail. C. M. Knapp. 1,658,991; Feb. 14.
- Anchor, Rail. M. C. Lenoir. 1,665,814; Apr. 10.
- Anchor, Rail. E. M. McVicker. 1,665,187; Apr. 3.
- Anchor, Rail. G. L. Moore and J. R. Steele. 1,678,404; July 24.
- Anchor, Rail. C. B. Shepherd. 1,691,019; Nov. 6.
- Anchor, Rail. A. L. Stanford. 1,659,173; Feb. 14.
- Anchor, Rail. H. G. Warr. 1,668,619; May 8.
- Anchor, Rail. H. G. Warr. 1,680,437; Aug. 14.
- Anchor, Rail. H. G. Warr. 1,684,208; Sept. 11.
- Anchor, Rail. E. Woodings. 1,667,407; Apr. 24.
- Anchor, Rail. C. F. Yardley. 1,678,664; July 31.
- Anchor, Rail. C. F. Yardley. 1,686,544; Oct. 9.
- Anchor, Railway-rail. J. A. Hyle and C. R. Keatley. 1,669,245; May 8.
- Anchor, Railway-rail. J. A. Hyle and C. R. Keatley. 1,680,378; Aug. 14.
- Anchor, Railway-rail. H. G. Norwood. 1,662,618; Mar. 13.
- Anchor rod. R. Gould. 1,694,739; Dec. 11.
- Anchor, Sleeper. W. H. Andrews. 1,688,102; Oct. 16.
- Anchor, Sleeper. G. B. Bosco. 1,677,882; July 24.
- Anchor, Spot. G. H. Binder. 1,681,634; Aug. 21.
- Anchor, Steel tie and rail. C. and B. A. Mulhern. 1,681,871; Aug. 21.
- Anchor, Tandem gas. H. N. Marsh. 1,655,817; Jan. 10.
- Anchor, Wire. A. J. Gurney. 1,666,493; Apr. 17.
- Anchor, Wire. R. T. Wales. 1,663,104; Mar. 20.
- Anchorage, Airship. W. Auberlin. 1,683,323; Sept. 4.
- Anchoring bolts. R. A. Mirzan. 1,688,087; Oct. 16.
- Anchoring device. W. A. Smith. 1,672,787; June 5.
- Anchoring device for boats. O. S. Gabrielson and M. J. Wennestrom. 1,675,930; July 3.
- Anchoring device for framed pictures and the like. J. Strand. 1,675,282; June 26.
- Anchoring device, Tile. G. P. Jackson. 1,685,568; Sept. 25.
- Anchoring device, Vehicle. V. P. Rumely. 1,693,184; Nov. 27.
- Anchoring device, Wheel. O. K. and C. C. Richard. 1,696,732; Dec. 25.
- Anchoring device, Wheel. J. R. Scherer. 1,669,578; May 15.
- Anchoring elements for concrete construction. R. B. Mitchell. 1,688,981; Oct. 23.
- Anchors, Manufacturing rail. H. G. Warr. 1,685,255; Sept. 25.
- Anchors, Manufacturing sheet-metal rail. L. A. Schneider. 1,686,537; Oct. 9.
- Andiron. O. B. Bach. Des. 74,290-1; Jan. 24.
- Andiron. O. B. Bach. Des. 74,470; Feb. 21.
- Andiron. A. W. Chapman. Des. 75,010; May 1.
- Andiron. H. J. Gross. Des. 75,973; Aug. 7.
- Andiron. W. L. Sharp. Des. 74,330; Jan. 24.
- Anemometers, Circuit closer for. C. H. Duffy. 1,674,545; June 19.
- Angle bar, Compromise. W. Bender. 1,688,107; Oct. 16.
- Angle gauge. R. J. O. Simpson. 1,672,695; June 5.
- Angle indicator. M. Luoma. 1,669,258; May 8.
- Anhydride, Producing phthalic. F. A. Canon and C. E. Andrews. 1,689,860; Oct. 30.
- Anhydrides of organic acids, Preparation of. F. Doerincel and M. Schliemann. 1,691,647; Nov. 13.
- Anilides, Making. E. A. Mill. 1,659,150; Feb. 14.
- Animal-feeding device. C. Hampel. 1,693,113; Nov. 27.
- Animal fibers, Producing resists on. K. Dalmier, C. E. Müller, and H. Gärtner. 1,668,144; May 1.
- Animal pen. R. Sargent. 1,656,127; Jan. 10.
- Animal poke. E. F. Crow. 1,655,311; Jan. 3.
- Animal poke. H. Fischer. 1,691,471; Nov. 13.
- Animal-racing apparatus. A. S. Valentine. 1,674,749-50; June 26.
- Animal shears. I. P. Pedigo. 1,674,659; June 26.
- Animal trap. H. Bleck. 1,686,432; Oct. 2.
- Animal trap. W. Catlin. 1,665,020; Apr. 3.
- Animal trap. W. Cooper. 1,692,158; Nov. 20.
- Animal trap. B. Couch. 1,674,276; June 19.
- Animal trap. A. P. Cummins. 1,669,974; May 15.
- Animal trap. G. W. Curtis. 1,659,767; Feb. 21.
- Animal trap. M. E. and F. G. Dorsch. 1,677,470; July 17.
- Animal trap. W. A. Gibbs. 1,659,465; Feb. 14.
- Animal trap. W. A. Gibbs. 1,682,612; Aug. 28.
- Animal trap. A. H. Gilkey. 1,684,484; Sept. 18.
- Animal trap. H. G. Harte. 1,690,369; Nov. 6.
- Animal trap. B. F. Hatchell. 1,681,804; Aug. 21.
- Animal trap. J. A. Hedberg. 1,675,028; June 26.
- Animal trap. G. N. Irwin. 1,696,768; Dec. 25.
- Animal trap. F. G. Johnson. 1,685,028; Sept. 18.
- Animal trap. J. Kré. 1,661,950; Mar. 6.
- Animal trap. P. G. Midgett. 1,668,691; May 8.
- Animal trap. J. G. Mueller. 1,668,726; May 8.
- Animal trap. A. Nylund. 1,662,394; Mar. 13.
- Animal trap. A. E. Rudeen. 1,687,737; Oct. 16.
- Animal trap. F. J. Rufe. 1,690,755; Nov. 6.
- Animal trap. C. E. Soucy. 1,657,976; Jan. 31.
- Animal trap. R. V. Wallace. 1,659,063; Feb. 14.
- Animal trap. E. M. Wanger. 1,656,926; Jan. 24.
- Animal trap, Automatic. A. M. Haymaker. 1,683,181; Sept. 4.
- Animating objects, Device for. E. G. and G. Goerk. 1,680,982; Aug. 14.
- Ankle brace. H. L. Johnston. 1,666,290; Apr. 17.
- Ankle support. J. Bromley. 1,658,037; Feb. 7.
- Annealing. C. R. G. Stewart. 1,673,271; June 12.
- Annealing and heat-treating furnace. A. T. Kathner. 1,669,902; May 15.
- Annealing apparatus. E. G. Caughey. 1,671,810; May 29.
- Annealing apparatus. H. V. Leckie and S. A. North. 1,696,886; Dec. 25.
- Annealing, Apparatus for. J. E. Robertshaw. 1,682,801; Sept. 4.
- Annealing box. F. H. Clay. 1,668,230; May 1.
- Annealing box. W. E. Troutman. 1,678,452; July 24.
- Annealing box, Welded. J. Barrow. 1,660,702; Feb. 28.
- Annealing boxes, Apparatus for crowning. A. R. McArthur. 1,696,686; Dec. 25.
- Annealing furnace. F. T. Cope. 1,694,684; Dec. 11.
- Annealing furnace. R. H. Smith. 1,656,924; Jan. 24.
- Annealing furnace. K. Tamele. 1,691,259; Nov. 13.
- Annealing furnace, Electric bright. W. Rohn. 1,678,875; July 31.
- Annealing leer. J. C. Blair. 1,655,935; Jan. 10.
- Annealing or heating furnace, Electric. W. Rohn. 1,695,860; Dec. 18.
- Annealing pot. R. S. Stewart. 1,685,966; Oct. 2.
- Annealing process. J. B. Tytus. 1,693,800; Dec. 4.
- Annealing sheet metal. W. Reuss. 1,672,172; June 5.
- Annular plates, Forming. F. R. Klaus. 1,689,784; Oct. 30.
- Annunciator. O. Hamlin. 1,682,332; Aug. 28.
- Annunciator. J. H. McBride. 1,670,629; May 22.
- Annunciator for taximeters. F. Sawyer. 1,667,131; Apr. 24.
- Annunciator relay. L. F. Hunt. 1,664,215; Mar. 27.
- Annunciator system. L. E. Oneal. 1,675,989; July 3.
- Anode and making the same. P. F. Schwarzkopf. 1,657,553; Jan. 31.
- Anode spacer. W. J. Winninghoff. 1,661,589; Mar. 6.
- Antenna. E. F. W. Alexanderson. 1,677,698; July 17.
- Antenna. H. M. Brown. 1,684,009; Sept. 11.
- Antenna. J. M. Clark. 1,662,846; Mar. 20.
- Antenna. R. C. Clinker. 1,684,262; Sept. 11.
- Antenna. H. E. Clyatt. 1,656,775; Jan. 17.
- Antenna. H. Csanyi. 1,679,240; July 31.
- Antenna. R. Engebretsen. 1,688,229; Oct. 16.
- Antenna. A. N. Goldsmith. 1,683,773; Sept. 11.
- Antenna. A. Haddock. 1,689,337; Oct. 30.
- Antenna. W. H. Haworth. 1,689,629; Oct. 30.
- Antenna. R. A. Heising. 1,696,234; Dec. 25.
- Antenna. V. J. Redmond. 1,661,771; Mar. 6.
- Antenna array, Broadside. S. W. Dean. 1,677,956; July 24.
- Antenna array, Directive. J. S. Stone. 1,683,739; Sept. 11.
- Antenna-circuit arrangement. M. Latour. 1,669,059; May 8.
- Antenna-circuit arrangement. M. Latour. 1,673,009; June 12.
- Antennæ circuits, Resistance device for. G. G. Clarke. 1,655,355; Jan. 3.
- Antenna, Directive. R. Bown. 1,680,363; Aug. 14.
- Antenna for electric wave transmission. A. Meissner. 1,694,135; Dec. 4.
- Antenna for radio receiving sets. L. C. Poirier. 1,686,465; Oct. 2.
- Antenna for radios. B. R. Jones. 1,673,458; June 12.
- Antenna for radiotelegraphy. L. Espenschied. 1,683,716; Sept. 11.
- Antenna, Loop. T. C. Deutschmann. 1,696,529; Dec. 25.
- Antenna, Loop. F. A. Kolster. 1,673,249; June 12.
- Antenna, Loop. L. L. Manley. 1,689,400; Oct. 30.
- Antenna regulator, Automatic. W. W. Brown. 1,684,261; Sept. 11.
- Antenna regulator, Automatic. J. E. Love. 1,684,235; Sept. 11.
- Antenna support. M. L. Lujan. 1,679,675; Aug. 7.
- Antenna system. H. W. Nichols. 1,696,249; Dec. 25.
- Antenna system, Directive. F. Conrad. 1,689,863; Oct. 30.
- Antenna systems, Reducing body-capacity effects on loop. H. C. Silent. 1,666,947; Apr. 24.
- Antenna, Underground. N. Kadel. 1,667,008; Apr. 24.
- Antenna, Wireless. L. E. Sharp. 1,670,553; May 22.
- Anthracene, Purification of crude. A. O. Jaeger. 1,693,713; Dec. 4.
- Anthraquinones, Production of alpha-amino. J. Thomas and A. H. Davies. 1,657,420; Jan. 24.
- Anti-aircraft fire-control apparatus. S. J. van den Bergh. 1,663,575; Mar. 27.
- Anticreeper. H. G. Gillmor. 1,665,696; Apr. 10.
- Anticreeping device for railway rails. E. F. Hollinger. 1,679,903; Aug. 7.
- Antidazzle device. F. A. Ross. 1,654,666; Jan. 3.
- Antidiabetic principle, Specific. H. W. Dudley. 1,669,328; May 8.
- Antifouling device. B. H. Dye. 1,659,521; Feb. 14.
- Antifreeze composition. J. R. Paul. 1,689,153; Oct. 23.
- Antifriction agitator. J. B. Hinshaw. 1,667,551; Apr. 24.
- Antifriction brake. G. B. Coleman. 1,654,790; Jan. 3.
- Antifrost device for windows. H. H. Steinman. 1,681,443; Aug. 21.
- Antifrosting device. R. V. Tichota. 1,664,761; Apr. 3.
- Antifrosting device for windows. C. H. Will. 1,694,676-7; Dec. 11.
- Antiglare device. G. W. Blackburn. 1,691,107; Nov. 13.

- Antimony and alloys of antimony and alkali-metal arsenates, Producing metallic. H. M. Burkey. 1,654,527-8; Jan. 3.
- Antimony compound, Complex. H. Hahl. 1,674,362; June 19.
- Antioxidant or age resistor. A. M. Clifford. 1,694,529; Dec. 11.
- Antirachitic product and process. H. Steenbock. 1,680,818; Aug. 14.
- Anti-rail-creeping device. J. B. Brownridge. 1,695,993; Dec. 18.
- Antirattle attachment, Spring-shackle. H. E. Blomgren. 1,688,682; Oct. 23.
- Antirattler. P. J. Fitzgerald. 1,679,244; July 31.
- Antirattler for doors and windows. H. White, jr. 1,695,872; Dec. 18.
- Antirattling device. R. A. Woerfel and H. Knopp. 1,692,239; Nov. 20.
- Antirattling device for automobile doors. J. L. Day and E. L. Deschler. 1,684,662; Sept. 18.
- Antirattling device for storm windows. J. H. Grininger. 1,689,826; Oct. 30.
- Antirattling device for windows. J. H. Mendenhall. 1,684,636; Sept. 18.
- Antiricketic substances and the production thereof. A. J. Pacini. 1,681,120; Aug. 14.
- Antiseptic, antifouling, germicidal waterproof coatings. A. Biddle. 1,689,008; Oct. 23.
- Antiseptic preparation. J. H. Wright. 1,676,309; July 10.
- Antisiphon trap. H. A. Gardner, sr. 1,675,409; July 3.
- Antiskid chain for automobiles. A. Nelson. 1,659,044; Feb. 14.
- Antiskid chains, Link for. E. La Plant. 1,684,632; Sept. 18.
- Antiskid device. J. D. Bates. 1,669,891; May 15.
- Antiskid device. G. Blondo. 1,671,885; May 29.
- Antiskid device. W. H. Fischer. 1,662,886; Mar. 20.
- Antiskid device. C. C. Gates. 1,662,262; Mar. 13.
- Antiskid device. H. Lorch. 1,660,798; Feb. 28.
- Antiskid device. R. E. Martin. 1,677,353; July 17.
- Antiskid device. H. T. Odean. 1,655,508; Jan. 10.
- Antiskid device. S. Quisling. 1,661,910; Mar. 6.
- Antiskid device. J. D. Richie. 1,680,569; Aug. 14.
- Antiskid device. F. Rogers. 1,674,065; June 19.
- Antiskid device for automobiles. I. Rolka. 1,679,270; July 31.
- Antiskid device for motor vehicles. R. Thorner. 1,691,140; Nov. 13.
- Antiskidding link. F. Markwick. 1,681,125; Aug. 14.
- Antislip device. J. B. Locker. 1,679,314; July 31.
- Antislip tread and making the same. H. Nagin and W. H. Van Orden. 1,657,446; Jan. 24.
- Antislipping device. R. R. Halstead. 1,662,111; Mar. 13.
- Antislipping device for stands and the like. R. Wörsching. 1,679,461; Aug. 7.
- Antislipping means. Detachable. E. Youngerman. 1,656,968; Jan. 24.
- Antisplash device for the wheels of road vehicles. J. Lamont. 1,675,032; June 26.
- Antitheft alarm. J. Breidt. 1,689,909; Oct. 30.
- Antitheft device. C. Lewando. 1,678,440; July 24.
- Antitheft device for motor vehicles. A. C. King and J. Stringer. 1,691,484; Nov. 13.
- Antrum drill. T. E. Grove. 1,677,337; July 17.
- Anvil and gauge, Saw-setting. C. Eyrish. 1,683,174; Sept. 4.
- Anvil for bit-dressing hammers. C. H. Bergquist. 1,667,236; Apr. 24.
- Anvil, Hand. R. C. Tolmie. 1,692,004; Nov. 20.
- Anvils, Manufacture of primer. J. A. Murphy. 1,664,480; Apr. 3.
- Apparatus for and method for taking up slack. A. Y. Dodge. 1,659,544; Feb. 14.
- Apparatus for ascertaining the characteristics of flowing liquids. V. Henny and J. D. Seguy. 1,688,811; Oct. 23.
- Apparatus for bleaching purposes. C. B. Thorne. 1,656,765; Jan. 17.
- Apparatus for closing filled bags. A. M. Bates. 1,654,777; Jan. 3.
- Apparatus for creating a partial vacuum on the return line of steam heating systems. B. Skidmore, jr. 1,654,760; Jan. 3.
- Apparatus for determining the alcohol in a liquid. B. Stein. 1,658,950; Feb. 14.
- Apparatus for making inflatable-ball covers. J. T. Ridell. 1,691,671; Nov. 13.
- Apparatus for producing articles by electrolytic deposition. G. Rosenqvist. Re17,141; Nov. 20.
- Apparatus for supplying air under pressure. J. C. Woodford. 1,655,003; Jan. 3.
- Apparatus for testing the fermentation of dough. A. A. Rosenblum. 1,654,897; Jan. 3.
- Apparatus for the visual interpretation of speech and music. E. B. Craft. 1,690,279; Nov. 6.
- Apparatus for walking on water. A. N. Sheldon. 1,692,055; Nov. 20.
- Apparatus for washing the eyes. W. Strunz. 1,692,143; Nov. 20.
- Apparel. A. Lifter. 1,685,091; Sept. 25.
- Apparel. F. W. Tully. 1,668,744; May 8.
- Apparel garment. W. Kops. 1,673,750; June 12.
- Apparel garment. W. Kops. 1,680,997; Aug. 14.
- Apparel hanger. E. H. Clarke. 1,696,753; Dec. 25.
- Apparel, Wearing. J. M. I. Marin. 1,684,876; Sept. 18.
- Apple juice, Manufacture of high-grade. E. R. Darling. 1,659,086; Feb. 14.
- Applicator. E. S. Aeilts. 1,670,605; May 22.
- Applicator, Electric-heat. A. Klotz. 1,686,865; Oct. 9.
- Applicator and producing it, Emergency. W. R. Dorman, W. V. Suydam, and D. R. Stoneleigh. 1,687,472; Oct. 9.
- Applicator for brake-dressing compounds. J. W. Moorehead. 1,672,726; June 5.
- Applicator, Internal. W. J. Kirk. 1,677,612; July 17.
- Applicator, Quartz. E. R. Berry. 1,677,016; July 10.
- Applicator-securing means. E. R. Goldfield and C. Horsely. 1,694,649; Dec. 11.
- Applying apparatus. E. Erickson. 1,669,508; May 15.
- Applying device. A. W. Wilkinson. 1,655,719; Jan. 10.
- Applying material to the skin, Device for. G. Banta. 1,655,215; Jan. 3.
- Applying minor members to sheet articles, Method of and machine for. G. C. Snyder. 1,677,736; July 17.
- Approach-indication apparatus. L. E. Spray. 1,661,639; Mar. 6.
- Apron. W. C. Kemp. 1,674,904; June 26.
- Apron. A. Quinn. Des. 74,520; Feb. 21.
- Apron. K. Schmutzler. 1,669,348; May 8.
- Apron. V. R. Sladek. 1,690,138; Nov. 6.
- Apron-fastening device. A. Segal. 1,657,868; Jan. 31.
- Apron holder. G. S. Lewis. 1,672,165; June 5.
- Apron, Sanitary cushion. I. C. Richards. 1,682,799; Sept. 4.
- Apron, Surveyor's. I. R. Watermon. 1,675,072; June 26.
- Aquarium or the like, Stand for. B. Tauman. Des. 75,081-2; May 1.
- Aquarium stand. R. Rychtarik. Des. 76,204; Aug. 28.
- Aquarium stand, H. Scheiner and J. and P. Silberhartz. Des. 76,057; Aug. 14.
- Aquarium stand, J. and P. Silberhartz and I. Rosenblatt. Des. 74,394-5; Feb. 7.
- Aquatic device. E. Proteau. 1,661,499; Mar. 6.
- Arc regulator. H. H. Strong. 1,656,247; Jan. 17.
- Arch-controlling device. N. D. Mattison. 1,688,642; Oct. 23.
- Arch for furnaces, Reflector. J. B. Kinahan. 1,678,816; July 31.
- Arch for high-temperature uses, Masonry. F. H. Norton. 1,686,761; Oct. 9.
- Arch-nose construction. S. F. Burnet. 1,690,088; Oct. 30.
- Arch support. J. Abramowitz. 1,666,924; Apr. 24.
- Arch support. T. K. Balaskas. 1,690,964; Nov. 6.
- Arch support. F. A. Brownell. 1,667,367; Jan. 24.
- Arch support. P. De Salvo. 1,668,054; May 1.
- Arch support. W. F. Dunlop. 1,694,315; Dec. 4.
- Arch support. H. D. Emeott. 1,685,155; Sept. 25.
- Arch support. A. Friberg. 1,675,214; June 26.
- Arch support. E. R. Lowey. 1,655,319; Jan. 3.
- Arch support. M. F. Roser. 1,686,034; Oct. 2.
- Arch support. P. Saperston. 1,676,415; July 10.
- Arch support. F. Sarra. 1,673,126; June 12.
- Arch support. R. Schiller. 1,676,162; July 3.
- Arch support. E. Sessler. 1,667,359; Apr. 24.
- Arch support. F. Wolf. 1,687,916; Oct. 16.
- Arch support and shoe-shank reinforcement. F. G. Delbon. 1,685,398; Sept. 25.
- Arch support and the like, Foot-. E. Temy. 1,673,537; June 12.
- Arch support, Foot-. P. Lengemann. 1,676,398; July 10.
- Arch support for shoes. H. J. Glass. 1,671,713; May 29.
- Arch support, Insertable. I. Rehle. 1,690,837; Nov. 6.
- Arch supporter. M. E. Christianson. 1,694,582; Dec. 11.
- Arch supporter. F. P. McCord. 1,667,328; Apr. 24.
- Arch-supporting device for boots and shoes. M. C. Messler. 1,694,353; Dec. 4.
- Arched rib. W. E. Wilson. 1,654,625; Jan. 3.
- Arcing attachment for electric conductor clamps. B. A. Plimpton. 1,673,706; June 12.
- Arcs, Apparatus for interrupting electric. O. H. Eschholz. 1,680,671; Aug. 14.
- Arctic applicator and remover. C. R. Wagner and C. E. Rubottom. 1,661,205; Mar. 6.
- Areaway construction. U. J. Magill. 1,695,810; Dec. 18.
- Argon, Obtaining. W. Dannenbaum. 1,653,631; Feb. 7.
- Argon, Process of an apparatus for isolating. G. R. Fonda. 1,664,205; Mar. 27.
- Arm and bottle holder. J. A. Heinz. 1,671,862; May 29.
- Arm, Automatic or self-loading small. L. Oberhammer. 1,664,788; Apr. 3.
- Arm band and garter, Elastic. A. Witthaegeer. 1,657,427; Jan. 24.
- Arm bracket, support. E. G. Busse. 1,681,462; Aug. 21.
- Armchair, Tablet. W. S. Ferris. 1,691,053; Nov. 13.
- Arm developer. T. E. Vaughn. 1,658,108; Feb. 7.
- Arm, Interchangeable doweled. F. J. Peters. 1,660,353; Feb. 28.
- Arm rest. F. E. Case. 1,654,787; Jan. 3.
- Arm rest. J. P. Johnson. 1,674,205; June 19.
- Arm rest, Movable. J. Finn. 1,682,071; Aug. 28.
- Armature-actuating mechanism. P. Brown. 1,674,094; June 19.
- Armature-assembling apparatus. G. W. Elsey. 1,661,363; Mar. 6.
- Armature-assembling apparatus. L. E. Poole. 1,661,344; Mar. 6.
- Armature-assembly apparatus. R. W. Baker. 1,690,322; Nov. 6.

- Armature-core laminae, Apparatus for aligning. W. E. Pabst. 1,661,342; Mar. 6.
- Armature core with a flexible strip, Method and machine for lining an. R. W. Baker. 1,661,355; Mar. 6.
- Armature-insulation-cutting machine. R. W. Baker. 1,693,996; Dec. 4.
- Armature, Making an. V. G. Apple. 1,694,464; Dec. 11.
- Armature mounting for vibratory units, Eccentrically-pivoted. G. F. Borkman. 1,676,380; July 10.
- Armature-winding machine. P. E. Chapman. 1,662,881; Mar. 20.
- Armature-winding machine. R. G. Jones and C. Zwiebel. 1,667,070; Apr. 24.
- Armatures, Apparatus for winding. A. B. Gomory. 1,661,331; Mar. 6.
- Armatures, Manufacture of. A. B. Gomory. 1,661,332; Mar. 6.
- Armor, Protective. A. E. Troiel. 1,676,170; July 3.
- Aromatic amino sulphocyanide derivatives, Manufacture of. O. Spengler. 1,687,596; Oct. 16.
- Aromatic compound containing mercury in a lateral chain and making the same, Therapeutically-active. M. Bockmühl and A. Schwarz. 1,693,432; Nov. 27.
- Arrangement for closing boxes. A. C. Petersen. 1,676,868; July 10.
- Arrowhead. D. L. Betts. 1,669,118; May 8.
- Arsenates, Making. C. Ellis and V. T. Stewart. 1,690,628; Nov. 6.
- Arsenic and producing it, Water-soluble organic compound of. M. S. Kharasch. 1,667,392; July 17.
- Arsenic compounds, Manufacture of new organic. J. Pfeiffer and A. Albert. 1,661,301; Mar. 6.
- Arsenic compounds, Preparation of. A. Binz and C. Räth. 1,678,760; July 31.
- Arsenic compounds, Preparation of heterocyclic. A. Binz and C. Räth. 1,661,871; Mar. 6.
- Arsenic trioxide, Refining crude. C. L. Read. 1,681,496; Aug. 21.
- Arsenical compound. C. S. Hamilton. 1,665,781; Apr. 10.
- Arseno compound, Production of unsymmetrical. J. Pfeiffer and A. Albert. 1,688,351; Oct. 23.
- Art of baking. C. Wear. 1,690,892; Nov. 6.
- Article carrier. H. V. Chandler. 1,696,029; Dec. 18.
- Article forming and folding machine. S. J. Campbell. 1,666,086; Apr. 17.
- Article-forming apparatus. A. S. Liss. 1,687,574; Oct. 16.
- Article-forming device. R. Beardsley. 1,684,466; Sept. 18.
- Article holder. W. N. Howden. 1,664,109; Mar. 27.
- Article-holding clip. V. Thorne. 1,662,175; Mar. 13.
- Article of manufacture. R. V. Proctor. 1,672,730; June 5.
- Article of manufacture. E. E. Slick. 1,674,452; June 19.
- Article of manufacture and making the same. E. E. Slick. 1,674,626; June 19.
- Article rack. S. R. Side. 1,661,098; Feb. 28.
- Article support. E. C. Blodgett. 1,690,711; Nov. 6.
- Articles adapted to resist abrasion, Manufacture of. R. S. Edmondson and E. Hahn. 1,692,725; Nov. 20.
- Articles, Apparatus for feeding. W. V. Derby. 1,658,837; Feb. 14.
- Articles having a relatively rigid confining member and an elastic core, Method and apparatus for making. W. J. Wesseler. 1,681,829; Aug. 21.
- Articles having polished surfaces. C. A. Nash. 1,655,507; Jan. 10.
- Articles, Making. R. V. Proctor. 1,660,493; Feb. 28.
- Articles of refractory metal or metallic mixtures, Manufacture of. J. W. Marden. 1,675,119; June 26.
- Articulation of doll members. N. S. Hitchcock. 1,664,979; Apr. 3.
- Articulator. W. M. Gambill. 1,669,462; May 15.
- Articulator. T. A. Musante. 1,670,311; May 22.
- Articulator. G. P. Phillips. 1,666,021-2; Apr. 10.
- Articulator for artificial dentures. D. S. Hill. 1,687,864; Oct. 16.
- Artificial base exchange substance and the product thereof, Preparing. E. M. Partridge and E. W. Scarritt. 1,656,604; Jan. 17.
- Artificial fogs, Producing. A. V. Jernberg. 1,665,267; Apr. 10.
- Artificial hand, Plastic. H. E. Hodgson. 1,680,022; Aug. 7.
- Artificial line. R. Feldtkeller. 1,689,334; Oct. 30.
- Artificial material and making same. L. Lilienfeld. 1,682,293; Aug. 28.
- Artificial material and producing same. L. Lilienfeld. 1,674,403; June 19.
- Artificial material, Producing. L. Lilienfeld. 1,674,404; June 19.
- Artificial pressure to oil sand, Apparatus for supplying. J. O. Lewis and H. R. Pierce. 1,688,586; Oct. 23.
- Artificial tree. A. Anderson. 1,656,310; Jan. 17.
- Artificial tree. E. H. Trimpe. 1,683,637; Sept. 11.
- Artillery carriage in all directions, Arrangement providing for the aiming of an. E. Rimailho. 1,665,176; Apr. 3.
- Artillery, Transporting heavy. G. M. Barnes. 1,672,146; June 5.
- Aryl-azo-diaminopyridines useful as bactericides and making the same. I. Ostromislensky. 1,680,108; Aug. 7.
- Asbestos and the like and resulting product, Finishing the surfaces of bonded. J. C. MacIlldowie. 1,695,253; Dec. 11.
- Asbestos bodies, Making. H. Gerdien. 1,670,659; May 22.
- Asbestos yarn, Process and apparatus for making. J. A. Heany. 1,671,425; May 29.
- Ash can. G. R. Le Sauvage. Des. 75,375; May 29.
- Ash furnace, Soda-. D. R. Means. 1,679,486; Aug. 7.
- Ash-gate. F. B. Allen. 1,668,796; May 8.
- Ash gate. L. E. Striegel. 1,679,549; Aug. 7.
- Ash hopper. F. H. Dunbar. 1,661,750; Mar. 6.
- Ash pit and pan. K. F. Middour. 1,655,282; Jan. 3.
- Ash receiver. M. G. Keller. 1,672,614; June 5.
- Ash receiver. J. M. Merrill. 1,673,199; June 12.
- Ash receiver. A. von Frankenberg. Des. 77,198; Dec. 11.
- Ash receiver. A. von Frankenberg. Des. 77,204; Dec. 11.
- Ash receiver or similar article. R. L. S. Doggett. Des. 74,257; Jan. 17.
- Ash receiver, Smoker's. A. Burger. 1,693,268; Nov. 27.
- Ash receptacle or analogous article. E. C. Lewis. Des. 77,324; Dec. 25.
- Ash receptacle or similar article. E. C. Lewis. Des. 76,349; Sept. 18.
- Ash receptacle or similar article. E. C. Lewis. Des. 77,323; Dec. 25.
- Ash receptacle or similar article, Smoker's. A. J. Mornaghini. Des. 76,625; Oct. 16.
- Ash remover, Dustless. A. Schulze. 1,667,952; May 1.
- Ash sifter. H. J. Schaeffer. 1,658,060; Feb. 7.
- Ash tray. A. R. Compton, jr. Des. 74,297; Jan. 24.
- Ash tray. J. F. Hildebrand. Des. 74,507; Feb. 21.
- Ash tray. B. J. Hoos. 1,667,663; Apr. 24.
- Ash tray. J. R. Keller. Des. 75,432; June 5.
- Ash tray. E. S. Kilgore. 1,660,677; Feb. 28.
- Ash tray. S. Kirzner. Des. 74,979; Apr. 24.
- Ash tray. J. L. Pinard. Des. 74,998; Apr. 24.
- Ash tray. A. von Frankenberg. Des. 77,197; Dec. 11.
- Ash tray. A. von Frankenberg. Des. 77,200; Dec. 11.
- Ash tray and butt extinguisher, Combined. J. F. Thies-sen. Des. 74,638; Mar. 6.
- Ash tray and pipe scraper, Combination. C. A. Kissel. 1,669,525; May 15.
- Ash tray, Combination holder and cigarette-extinguish-ing. H. Evens. 1,667,592; Apr. 24.
- Ash tray or similar article. D. M. Eaton. Des. 74,922; Apr. 17.
- Ash tray, Pedestal. W. J. Barr. Des. 75,603; June 26.
- Ashes and other materials, Apparatus for handling. P. H. Raun. 1,683,917; Sept. 11.
- Asphalt and like distributor. G. M. Etnyre. 1,668,309; May 1.
- Asphalt and similar material, Apparatus for handling. W. H. Cady and C. E. Rahr. 1,683,604; Sept. 11.
- Asphalt, Making. E. A. Rudgier. 1,673,533; June 12.
- Asphalt-mixing plant, Portable. E. H. Cummer. 1,665,405; Apr. 10.
- Asphalt, Packing. F. Breeze, jr. 1,666,730; Apr. 17.
- Asphalt paving mixtures, Producing. J. S. Downard. 1,662,377; Mar. 13.
- Asphaltic material and preparing same. W. C. West. 1,685,304; Sept. 25.
- Asphaltic material, Making. J. D. Forrester. 1,671,070; May 22.
- Aspirator. J. H. Mayhew. 1,659,695; Feb. 21.
- Aspirator. E. W. Wescott. 1,694,087; Dec. 4.
- Aspirator apparatus. C. G. Smith. 1,674,377; June 19.
- Assemblage-point device. H. Arnstein. 1,665,872; Apr. 10.
- Assembling apparatus, Core-block-. N. Paine. 1,667,904; May 1.
- Assembling articles, Apparatus for. R. F. Morrison. 1,673,014; June 12.
- Assembling device for cardcases. C. L'Enfant. 1,676,338; July 10.
- Assembling elements of articles, Apparatus for. G. L. Rock. 1,696,257; Dec. 25.
- Assembling filter-stack units. V. R. Heftler. 1,694,939; Dec. 11.
- Assembling knives, Apparatus for. D. Gerlin. 1,687,978; Oct. 16.
- Assembling machine. H. G. Allen. 1,658,626; Feb. 7.
- Assembling machine. F. M. Furber. 1,691,277; Nov. 13.
- Assembling machine. N. H. Knowlton. 1,671,430; May 29.
- Assembling machine. H. E. Townsend. 1,677,739; July 17.
- Assembling machine, Blank-. T. Lund. 1,676,341; July 10.
- Assembling machine, Core-block-. N. Paine. 1,667,903; May 1.
- Assembling machine for shade-roller fittings. A. N. Miller. 1,673,368; June 12.
- Assembling members, Method of and apparatus for. J. W. Fay. 1,677,178; July 17.
- Assembly machine. A. Podel. 1,668,922; May 8.
- Assembly press. J. P. Ferris. 1,677,860; July 17.
- Assembly reel. H. W. Dodson. 1,674,768; June 26.
- Associating mechanism. L. A. Schmidt. 1,663,567; Mar. 27.
- Assorting apparatus, Laundry. C. G. Sewell. 1,686,471; Oct. 2.
- Assorting machine. F. J. Cook. Ref. 17,149; Dec. 4.
- Assorting machine. L. W. Tiffany. 1,695,395; Dec. 18.
- Asynchronous machine, Compensated. L. Hartwagner. 1,668,366; May 1.
- Asynchronous motor. V. A. Fynn. 1,689,525; Oct. 30.
- Athlete's protective harness. H. Goldsmith. 1,685,452; Sept. 25.
- Athletic apparatus. R. S. Blair. 1,688,033; Oct. 16.
- Athletic guard. W. P. Whitley. 1,688,676; Oct. 23.

- Atomizer. L. C. Ament. 1,694,959; Dec. 11.
 Atomizer. E. C. Brown. 1,696,428; Dec. 25.
 Atomizer. T. A. De Vilbiss. Des. 75,899; July 31.
 Atomizer. T. A. De Vilbiss. Des. 76,463-5; Oct. 2.
 Atomizer. F. C. Dormont. 1,655,678; Jan. 10.
 Atomizer. H. H. Heller. 1,679,305; July 31.
 Atomizer. J. D. Lalor. 1,688,585; Oct. 23.
 Atomizer. C. L. Marcus. Des. 74,272; Jan. 17.
 Atomizer. A. J. Shauksis. 1,677,053; July 10.
 Atomizer. R. Vendôme. 1,672,438; June 5.
 Atomizer. Centrifugal liquid. F. Wreesmann. 1,655,932; Jan. 10.
 Atomizer for liquids. F. Haeusser and R. Bestehorn. 1,684,488; Sept. 18.
 Atomizer or similar article. G. M. Minton, jr. Des. 75,441-4; June 5.
 Atomizer or similar article. G. M. Minton, jr. Des. 75,507; June 12.
 Atomizer or similar article. F. W. Smith. Des. 76,065; Aug. 14.
 Atomizer, Perfume. G. M. Minton, jr. Des. 75,693; July 3.
 Atomizer, Pocket. I. L. Davidson and E. L. Norris. 1,674,160; June 19.
 Atomizer support. T. A. De Vilbiss. Des. 75,900; July 31.
 Atomizer top. T. A. De Vilbiss. Des. 75,901-2; July 31.
 Atomizers, Cap for. G. M. Minton, jr. Des. 75,692; July 3.
 Atomizing device. F. Lang. 1,687,672; Oct. 16.
 Atomizing device. R. B. Paull. 1,685,293; Sept. 25.
 Attaching machine. E. R. Pope. 1,676,283; July 10.
 Attaching machine. E. R. Pope. 1,686,252; Oct. 2.
 Attaching name plates and the like to radiators. S. O'Hara. 1,669,998; May 15.
 Attachment mechanism. L. E. Roby. 1,679,628; Aug. 7.
 Attenuation of materials. M. E. Evans. 1,666,928; Apr. 24.
 Attrition mill. R. S. Iglehart. 1,682,128; Aug. 28.
 Audiofrequency interference preventer. F. K. Vreeland. 1,692,877; Nov. 27.
 Audion. J. R. Tolmie and T. M. Libby. 1,691,946; Nov. 20.
 Audion circuits, Adjusting. L. M. Hull. 1,676,145; July 3.
 Audiphone. G. R. Lum. 1,688,976; Oct. 23.
 Audiphones, Adjustable earpiece for. W. C. Jones. 1,668,910; May 8.
 Auditing machine. M. M. Goldberg. 1,694,009; Dec. 4.
 Audition, Aiding. B. E. Eldred. 1,678,564; July 24.
 Auger. T. Birkenmaier. 1,691,540; Nov. 13.
 Auger. F. Summers. 1,684,291; Sept. 11.
 Auger, Coal. A. Suarez. 1,694,994; Dec. 11.
 Auto carrier, Infant's. E. A. Zeiser. 1,664,958; Apr. 3.
 Auto carrier rack. H. D. Puffe. 1,666,507; Apr. 17.
 Auto control, Safety. C. E. Shearon, J. D. Alexander, and L. M. Pearcey. 1,665,281; Apr. 10.
 Auto jack. C. M. Coffman. 1,695,881; Dec. 18.
 Auto repair light. E. P. Tabor. 1,695,670; Dec. 18.
 Auto signal. A. and J. R. Parke. 1,679,681; Aug. 7.
 Auto signal. E. F. Smart. 1,696,890; Dec. 25.
 Auto table. G. H. Norquist. 1,662,163; Mar. 13.
 Auto top. F. D. Gould. 1,685,530; Sept. 25.
 Auto top socket bow puller. R. B. Richmond and R. H. Dodd. 1,662,538; Mar. 13.
 Autos, Axle-setting apparatus for. J. S. Bushey. 1,658,792; Feb. 14.
 Autos, Friction drum for. R. J. Meyer. 1,658,410; Feb. 7.
 Autographic register. L. F. Hagemann. 1,693,982; Dec. 4.
 Autographic register. L. Jensen. 1,658,723; Feb. 7.
 Autographic register. L. Jensen and C. Winter. 1,670,542; May 22.
 Autographic register. C. L. Johnston. 1,658,127; Feb. 7.
 Autographic register. M. Macdonald. 1,674,016; June 19.
 Autographic register. G. J. Neth. 1,663,023; Mar. 20.
 Autographic register. W. A. Pringle. 1,655,710; Jan. 10.
 Autographic register. W. B. Rice. 1,684,553; Sept. 18.
 Autographic register, Automatic. J. Q. Sherman. 1,688,982; May 8.
 Automatic speed recorder. L. A. Weber. 1,692,713; Nov. 20.
 Automatic brake. P. Burke and A. Orloff. 1,662,635; Mar. 13.
 Automatic elevator. D. C. Larson. 1,694,823; Dec. 11.
 Automatic gate, Railway. M. J. Kovacs. 1,682,573; Aug. 28.
 Automatic indicator. J. A. Periale. 1,690,244; Nov. 6.
 Automatic lock. G. Feeney and T. O'Connor. 1,665,952; Apr. 10.
 Automatic register. G. Pucci. 1,679,542; Aug. 7.
 Automatic regulator. W. L. Hamilton. 1,674,720; June 26.
 Automatic signal. G. Ragusa. 1,674,123; June 19.
 Automatic switch. H. S. Becker. 1,692,367; Nov. 20.
 Automatic switch. E. E. Coddington. 1,668,266; May 1.
 Automatic switch. J. T. Cowley. 1,660,256; Feb. 21.
 Automatic switch. J. Erickson. 1,693,027; Nov. 27.
 Automatic switch. H. Sengebusch. 1,675,311; June 26.
 Automatic switch. H. W. Vickery. 1,674,489; June 19.
 Automatically-controlled burner. L. S. Chadwick. 1,694,501; Dec. 11.
 Automobile. H. Brusch. 1,665,441; Apr. 10.
 Automobile. L. Nycz. 1,665,974; Apr. 10.
 Automobile abstract. C. Bird. 1,678,666; July 31.
 Automobile accessory. C. R. Duncan. 1,694,060; Dec. 4.
 Automobile accessory. G. E. and W. R. Sundell. 1,674,807; June 26.
 Automobile accessory, Receptacle-holding. S. C. Fish. 1,679,715; Aug. 7.
 Automobile, Adjustable seat structure for. C. G. Cromwall. 1,677,584; July 17.
 Automobile air brake. H. H. Inge and R. A. Smith. 1,657,929; Jan. 31.
 Automobile alarm. H. L. Honohan. 1,685,073; Sept. 18.
 Automobile alarm signal. W. A. Pervier. 1,676,412; July 10.
 Automobile arm rest. B. H. Payton. Des. 76,952; Nov. 20.
 Automobile attachment. E. A. Cunniff. 1,660,668; Feb. 28.
 Automobile backstop. F. P. Ahman. 1,673,963; June 19.
 Automobile battery. D. Cohelan. 1,683,529; Sept. 4.
 Automobile bodies, Rumble seat for. J. Andrade. 1,675,685; July 3.
 Automobile bodies, Shipping. H. P. Meredith. 1,659,660; Feb. 21.
 Automobile body. W. H. Atkinson. 1,685,264; Sept. 25.
 Automobile body. A. Bizzarri. Des. 74,594; Mar. 6.
 Automobile body. A. Carlson. 1,671,087; May 22.
 Automobile body. E. P. du Pont. Des. 75,359; May 29.
 Automobile body. E. T. Halloway. Des. 76,392; Sept. 25.
 Automobile body. M. H. Kashian. Des. 76,811; Nov. 6.
 Automobile body. A. Lang. Des. 76,403; Sept. 25.
 Automobile body. J. Ledwinka. Re17,051; July 24.
 Automobile body. J. Ledwinka. Des. 76,247; Sept. 4.
 Automobile body. J. Ledwinka. 1,694,883; Dec. 11.
 Automobile body. H. O. D. Segrave. Des. 75,659; June 26.
 Automobile body. A. P. Smith and S. Eichel. 1,691,557; Nov. 13.
 Automobile body. J. G. Springsteen. 1,657,977; Jan. 31.
 Automobile body and hood. D. B. Lee. Des. 76,487; Oct. 2.
 Automobile body and hood, Combined. C. Orsett. Des. 74,943; Apr. 17.
 Automobile body and hood, Combined. N. Pesola. Des. 75,585; June 19.
 Automobile body, Closed. J. W. McAdam. 1,671,433; May 29.
 Automobile body construction. A. Carlson. 1,676,476; July 10.
 Automobile body construction. G. P. Wiedman. 1,671,457; May 29.
 Automobile body, Convertible. O. E. Horner. 1,687,021; Oct. 9.
 Automobile body, Door and window construction. L. J. Morgan. 1,688,937; Oct. 23.
 Automobile body front. J. Ledwinka. Des. 76,249; Sept. 4.
 Automobile body, hood and fenders, Combination. E. W. Goodwin. Des. 77,281; Dec. 18.
 Automobile body, hood and radiator, Combined. C. E. Benson. Des. 74,346-8; Feb. 7.
 Automobile body side. J. Ledwinka. Des. 76,248; Sept. 4.
 Automobile brake. E. D. Brown. 1,655,131; Jan. 3.
 Automobile brake. W. Eberhardt. 1,672,560; June 5.
 Automobile brake. H. Perrot. 1,670,000; May 15.
 Automobile brake. C. Z. Smith. 1,673,210; June 12.
 Automobile brake. C. Z. Smith. 1,673,713-15; June 12.
 Automobile brake. S. O. White. 1,663,785; Mar. 27.
 Automobile brake, Child's. F. A. Hamel. 1,667,933; May 1.
 Automobile, Brake mechanism for. T. Chann. 1,662,183; Mar. 13.
 Automobile brancard. W. F. Riemvis. 1,693,496; Nov. 27.
 Automobile chassis. O. E. Hunt and A. G. Gelstert. 1,662,515; Mar. 13.
 Automobile construction. G. P. Henry and G. Hunt. 1,658,639; Feb. 7.
 Automobile construction. C. R. Paton. 1,658,612; Feb. 7.
 Automobile, Convertible. C. J. Warren. 1,658,110; Feb. 7.
 Automobile creeper. H. A. Buckert and E. K. Hall. 1,686,896; Oct. 9.
 Automobile doors, Handle-retaining means for. N. W. Cummins. 1,672,711; June 5.
 Automobile, Electric. K. H. O. Lübeck. 1,690,199; Nov. 6.
 Automobile engine-cranking apparatus. W. D. Vinney. 1,666,432; Apr. 17.
 Automobile engine-hood retaining and locking means. A. C. McBride and F. W. Renworth. 1,692,558; Nov. 20.
 Automobile extricating mechanism. R. Jones. 1,682,284; Aug. 28.
 Automobile fender guard. O. E. Stokes. 1,657,690; Jan. 31.
 Automobile heater. E. Aeby. 1,665,725; Apr. 10.
 Automobile heater. E. Ashley. 1,662,486; Mar. 13.
 Automobile heater. T. Bovey. 1,693,473; Nov. 27.
 Automobile heater. L. F. Clerc. 1,670,494; May 22.
 Automobile heater. P. E. Diederich and M. G. Roberts. 1,694,412; Dec. 11.
 Automobile heater. H. L. Hubbard. 1,678,567; July 24.
 Automobile heater. J. S. Losee. 1,670,776; May 22.
 Automobile heater. N. A. Olund. 1,684,967; Sept. 18.
 Automobile heater. J. F. Raleigh. 1,681,256; Aug. 21.

- Automobile heater. S. A. Snell. 1,684,118; Sept. 11.
 Automobile heater. S. A. Snell. 1,696,214; Dec. 25.
 Automobile heater. P. F. Victor. 1,669,222; May 8.
 Automobile heater. C. B. Waters. 1,668,533; May 1.
 Automobile heater and muffler. W. A. Healy. 1,658,047; Feb. 7.
 Automobile hood and radiator, Combined. B. H. Anibal. Des. 75,201; May 22.
 Automobile hood clamp. L. C. Vanderlip. 1,664,581; Apr. 3.
 Automobile hood illumination. C. K. Denman. 1,676,431; July 10.
 Automobile inclosure. G. E. Bishop. 1,656,908; Jan. 24.
 Automobile inclosure. G. E. Bishop. 1,688,681; Oct. 23.
 Automobile instrument panel. E. N. Jacobi. Des. 77,236; Dec. 18.
 Automobile jack. L. E. Beougher. 1,681,633; Aug. 21.
 Automobile jack. H. H. Brown. 1,657,781; Jan. 31.
 Automobile jack. F. C. Casey. 1,682,066; Aug. 28.
 Automobile jack. J. A. Marzolf. 1,687,027; Oct. 9.
 Automobile jack. E. J. McCarty. 1,666,971; Apr. 24.
 Automobile jack. C. J. Parr. 1,661,444; Mar. 6.
 Automobile jack. S. W. Phillips. 1,661,575; Mar. 6.
 Automobile jack, Mounted. G. Pulets. 1,683,987; Sept. 11.
 Automobile jack structure. L. Caletini. 1,669,410; May 15.
 Automobile lifter. L. T. Biegler. 1,683,020; Sept. 4.
 Automobile lock. H. S. De Land. 1,673,737; June 12.
 Automobile lock. F. M. Gillenwaters. 1,687,475; Oct. 9.
 Automobile lock. O. S. Hershey. 1,688,147; May 1.
 Automobile lock. O. S. Hershey. 1,674,395; June 19.
 Automobile lock. O. S. Hershey. 1,685,128; Sept. 25.
 Automobile lock. O. S. Hershey. 1,687,836; Oct. 16.
 Automobile lock. O. S. Hershey. 1,694,506; Dec. 11.
 Automobile lock. G. C. Mather and O. S. Hershey. 1,660,931; Feb. 28.
 Automobile lock. M. A. McKay and E. E. Doudna. 1,696,278; Dec. 25.
 Automobile lock. J. A. Murphey. 1,669,205; May 8.
 Automobile luggage carrier. M. O'Dea. 1,665,892; Apr. 10.
 Automobile, Marine. A. P. Filippi. 1,669,000; May 8.
 Automobile radiator ornament. F. W. Ehrlich. Des. 76,383; Sept. 25.
 Automobile rear-seat top. J. G. Spannuth. Des. 74,525; Feb. 21.
 Automobile roof. L. Weiss. 1,686,587; Oct. 9.
 Automobile safety device. J. Durka. 1,660,154; Feb. 21.
 Automobile sander. W. H. Minier. 1,691,298; Nov. 13.
 Automobile sanding device. F. Ficarra. 1,657,960; Jan. 31.
 Automobile screen. H. D. Hamp. 1,657,257; Jan. 24.
 Automobile seat, Convertible. G. M. Lathrop. 1,658,408; Feb. 7.
 Automobile seat, Resilient. C. H. Gunn. 1,683,885; Sept. 11.
 Automobile seat, Sliding. H. R. De Veau. 1,688,316; Oct. 16.
 Automobile shaft lock. F. D. Carpenter. 1,668,395; May 1.
 Automobile shipping device. L. Blackmore and M. W. McConkey. 1,655,129; Jan. 3.
 Automobile signal. O. J. Anderson. 1,669,848; May 15.
 Automobile signal. A. S. Bowersox. 1,687,053; Oct. 9.
 Automobile signal. E. F. Carlsen. 1,677,883; July 24.
 Automobile signal. F. L. Costenbader. 1,673,865; June 19.
 Automobile signal. C. Fayer and F. Tichy. 1,659,022; Feb. 14.
 Automobile signal. G. A. Friedrich. 1,667,470; Apr. 24.
 Automobile signal. C. E. Goheen. 1,683,663; Sept. 11.
 Automobile signal. F. M. Graham. 1,687,291; Oct. 9.
 Automobile signal. J. P. Hanson. 1,687,065; Oct. 9.
 Automobile signal. E. J. Hawkins. 1,668,963; May 8.
 Automobile signal. S. Kloos. 1,687,456; Oct. 9.
 Automobile signal. J. N. Korvallis. Des. 76,876; Nov. 13.
 Automobile signal. S. Mack. 1,663,715; Mar. 27.
 Automobile signal. W. P. MacMicking. 1,671,732; May 29.
 Automobile signal. L. Martino. 1,667,165; Apr. 24.
 Automobile signal. P. Nunez. 1,674,690; June 26.
 Automobile signal. J. F. Rauschelbach. 1,679,944; Aug. 7.
 Automobile signal. H. E. Sanderson. 1,676,287; July 10.
 Automobile signal. J. C. Sloane. 1,681,791; Aug. 21.
 Automobile signal. I. A. Viersen. Des. 74,903; Apr. 10.
 Automobile signal. G. S. Wellington. 1,665,648; Apr. 10.
 Automobile signal controlling mechanism. H. C. Varner. 1,663,740; Mar. 27.
 Automobile signal device. O. S. Schairer. 1,674,022; June 19.
 Automobile signal-lights casing. F. W. Snedden. Des. 74,809; Mar. 27.
 Automobile signal, Window-mounted. S. A. Gaede. 1,682,173; Aug. 28.
 Automobile snubber. L. W. Montgomery. 1,688,592; Oct. 23.
 Automobile starter. E. S. Huff. 1,658,721; Feb. 7.
 Automobile steering master. C. A. Johnson. 1,666,386; Apr. 17.
 Automobile stopping device. H. B. Lindley. 1,668,279; May 1.
 Automobile theft lock. E. R. Knight. Re16,945; Apr. 24.
 Automobile timer. R. Lockstein. 1,670,584; May 22.
 Automobile tonneau, Convertible. W. S. Peck. 1,655,797; Jan. 10.
 Automobile top. M. R. Hull. 1,658,123; Feb. 7.
 Automobile trailer connection. W. C. Blackett. 1,672,598; June 5.
 Automobile, Trick. J. D. Mohr. 1,682,764; Sept. 4.
 Automobile turn signal. A. Williamson. 1,675,075; June 26.
 Automobile turntable. J. G. Austin. 1,665,997; Apr. 10.
 Automobile wheel. A. B. Couture. 1,667,344; Apr. 24.
 Automobile wheel. H. E. Thompson. 1,664,531; Apr. 3.
 Automobile wheel. J. H. Wagenhorst. 1,679,453; Aug. 7.
 Automobile wheel. J. H. Wagenhorst. 1,679,455; Aug. 7.
 Automobile wheel. J. H. Wagenhorst. 1,689,650; Oct. 30.
 Automobile wheel, Nonpuncturable. M. W. Wallace. 1,657,946; Jan. 31.
 Automobiles, Adjustable arm rest for. J. Hausler. 1,695,549; Dec. 18.
 Automobiles, Adjustable driving seat and bed arrangement for. C. A. McKenna. 1,668,167; May 1.
 Automobiles, Adjustable seat back for. R. M. Kimbro. 1,681,643; Aug. 21.
 Automobiles and the like, Mud protector for. W. O. MacKey. 1,669,138; May 8.
 Automobiles and the like, Spring shackle for. H. N. Wayne. 1,663,747; May 8.
 Automobiles, Antitheft device for. J. J. Furlong. 1,663,044; Mar. 20.
 Automobiles, Blanket holder for hoods of. H. A. Townsend. 1,696,220; Dec. 25.
 Automobiles, Body for. S. I. Fekete and M. H. Toncray. 1,679,025; July 31.
 Automobiles, Brush attachment for. T. O'Brien. 1,660,934; Feb. 28.
 Automobiles, Bumper bracket for. J. R. Jones. 1,654,687; Jan. 3.
 Automobiles, Connection for timing devices for. J. C. Osborn. 1,666,665; Apr. 17.
 Automobiles, Cowl light for. C. A. Smith. 1,661,975; Mar. 6.
 Automobiles, Device for actuating the coupling and the brake in. V. Jessen. 1,677,718; July 17.
 Automobiles, Diaphragm valve for. P. Masson. 1,656,214; Jan. 17.
 Automobiles, Dirt scraper for. F. C. Doran. 1,655,988; Jan. 10.
 Automobiles, Emergency device for. E. E. Vecchi. 1,661,641; Mar. 6.
 Automobiles, Fluid-pressure brake system for. W. Noble. 1,654,749; Jan. 3.
 Automobiles, Front-seat construction for. H. R. Graham. 1,654,726; Jan. 3.
 Automobiles, Front signal for. N. Karras. 1,659,879; Feb. 21.
 Automobiles, Hand starter for. J. Washington. 1,683,111; Sept. 4.
 Automobiles, Locking device for. M. J. Chaplin. 1,667,584; Apr. 24.
 Automobiles, Manifold heater for. E. D. Utterback. 1,654,711; Jan. 3.
 Automobiles, Nonfreezing unit for. C. H. Fuller. 1,672,119; June 5.
 Automobiles on grades, Preventing back drift of. W. S. Paca. 1,671,739; May 29.
 Automobiles or trucks, Spring suspension for. C. K. Patton. 1,662,327; Mar. 13.
 Automobiles, Parking wheel for. J. Myers. 1,658,297; Feb. 7.
 Automobiles, Roller guard for. D. J. Cunningham. 1,665,085; Apr. 3.
 Automobiles, Sanding device for. M. Kraus. 1,654,739; Jan. 3.
 Automobiles, Sanding device for. C. D. Lyon. 1,661,125; Feb. 28.
 Automobiles, Screen means for. A. J. Maas. 1,681,300; Aug. 21.
 Automobiles, Shipping. C. L. Lee. 1,655,150; Jan. 3.
 Automobiles, Shock-absorbing means for. E. Conti. 1,676,525; July 10.
 Automobiles, Sight instrument for. S. W. Fuerth. 1,666,236; Apr. 17.
 Automobiles, Signal for. J. P. Hanson. 1,656,821; Jan. 17.
 Automobiles, Signal system and direction indicator for. C. F. A. Eddy. 1,665,584; Apr. 10.
 Automobiles, Signaling device. A. F. Remter. 1,667,050; Apr. 24.
 Automobiles, Stabilizer for. C. F. Rice. 1,658,352; Feb. 7.
 Automobiles, Throttle control for. E. A. MacKean. 1,664,479; Apr. 3.
 Automobiles, Transmission device for. W. J. Dean. 1,659,908; Feb. 21.
 Automobiles, Water-circulation-control mechanism for. J. A. Morgan. 1,695,055; Dec. 11.
 Automotive appliance. D. Gentile. 1,666,492; Apr. 17.
 Automotive brake. C. D. Stewart. 1,657,558; Jan. 31.
 Automotive drive. T. Jensen. 1,655,100-1; Jan. 3.
 Automotive drive. T. Jensen. 1,664,562; Apr. 3.
 Automotor. J. C. Turner. 1,672,399; June 5.
 Autoplane. V. Moore. 1,674,338; June 19.
 Autosleigh. F. A. Klein. 1,687,455; Oct. 9.
 Auxiliary lock. G. H. Bockius. 1,695,136; Dec. 11.
 Auxiliary seat, Collapsible. B. J. Belohlavek. 1,688,225; Oct. 16.

- Auxiliary switch. C. D. Ainsworth. 1,694,611; Dec. 11.
- Aviator's manifolding log. C. W. Giller. 1,678,981; July 31.
- Avoiding reflections of sound inside a building, Arrangement for. G. von Arco. 1,684,073; Sept. 11.
- Awls, Shaping and testing device for. T. H. Seely and L. R. W. Rollins. 1,662,905; Mar. 20.
- Awning. E. F. Barber. 1,688,776; Oct. 23.
- Awning. W. A. Bracken. 1,672,600; June 5.
- Awning. G. R. Hall. 1,677,080; July 10.
- Awning. G. S. Henritzy. 1,679,862; Aug. 7.
- Awning. H. E. Smith. 1,658,907; Feb. 14.
- Awning. H. G. Whitmore. 1,681,757; Aug. 21.
- Awning, Adjustable automobile. W. M. Glover. 1,691,969; Nov. 20.
- Awning and shutter, Combined. J. S. Bucknam, jr., and W. F. De Groat. 1,668,938; May 8.
- Awning arm. C. H. Dietz. Des. 74,867-71; Apr. 10.
- Awning, Auto. J. D. Hires. 1,655,789; Jan. 10.
- Awning, Automobile. W. R. Brown. 1,672,926; June 12.
- Awning, Automobile. W. M. Glover. 1,681,292; Aug. 21.
- Awning, Automobile. A. Olson and W. R. McDermott. 1,679,443; Aug. 7.
- Awning, Automobile. T. B. Thurman. 1,688,673; Oct. 23.
- Awning, Automobile. F. V. Waltz. 1,686,050; Oct. 2.
- Awning bracket. W. G. Dunn. 1,678,561; July 24.
- Awning bracket. H. E. Stearns. 1,674,929; June 26.
- Awning, Collapsible metal. W. R. Hopkins. 1,666,657; Apr. 17.
- Awning construction. B. Cohen. 1,677,581; July 17.
- Awning construction. C. E. Godske. 1,688,010; Oct. 16.
- Awning fixture, Adjustable. S. Kirschberg. 1,683,903; Sept. 11.
- Awning for closed-body automobiles, Detachable. W. R. Spaulding and A. M. Beamish. 1,655,667; Jan. 10.
- Awning for vehicles. J. F. McClaren. 1,660,878; Feb. 28.
- Awning for vehicles. H. E. Williams. 1,681,831; Aug. 21.
- Awning manipulator. B. F. Green. 1,659,096; Feb. 14.
- Awning, Metallic. G. R. Schneider. 1,662,721; Mar. 13.
- Awning protector. G. M. Schmidt. 1,681,016; Aug. 14.
- Awning, Stormproof. R. L. Meyers. 1,677,646; July 17.
- Awning structure. W. G. Dunn. 1,662,261; Mar. 13.
- Ax. Brush. A. N. Schaefer. 1,685,141; Sept. 25.
- Axial directions, Method of and device for testing the position of two. A. Steine. 1,662,836; Mar. 20.
- Axle and bearing therefor. J. W. White. 1,684,652; Sept. 18.
- Axle assembly, Rear. J. A. Wright. 1,694,049; Dec. 4.
- Axle, Automobile. B. H. Urschel. 1,690,510; Nov. 6.
- Axle blanks, Making. W. P. Witherow. 1,656,846; Jan. 17.
- Axle boxes, Lateral motion for. J. S. Wallis. 1,676,588; July 10.
- Axle, Change-speed. E. J. Hall. 1,695,585; Dec. 18.
- Axle construction. B. H. Britt. 1,661,815; Mar. 6.
- Axle construction. H. H. Timken. 1,665,332; Apr. 10.
- Axle, Drive. A. I. Marcum. 1,670,119; May 15.
- Axle for agricultural implements, Dirigible. W. R. Wagonseller. 1,663,361; Mar. 20.
- Axle for motor cars, Swivelled. E. Ascarelli. 1,694,305; Dec. 4.
- Axle for motor vehicles, Rear. C. Bjur. 1,630,113; Feb. 21.
- Axle for self-propelled vehicles. B. H. Urschel. 1,690,511; Nov. 6.
- Axle gauge. R. P. Bernhardt and V. D. Black, jr. 1,678,761; July 31.
- Axle gauge. J. L. Hartell. 1,670,889; May 22.
- Axle gauge, Front. C. W. Beamer. 1,658,877; Feb. 14.
- Axle-housing blanks, Making. T. E. Murray, jr. 1,693,044; Nov. 27.
- Axle Housings, Forming. T. E. Murray, jr. 1,683,047; Sept. 4.
- Axle housings, Production of. H. H. Williams. 1,689,989; Oct. 30.
- Axle lathes, Work driver for. L. C. Cole. 1,668,948; May 8.
- Axle of the single type comprising loose vehicle wheels mounted upon stationary axles, Driving. A. Huguenin. 1,680,884; Aug. 14.
- Axle support. J. O'Brien. 1,673,990; June 19.
- Axle transmission, Car. E. G. Smith. 1,660,297; Feb. 21.
- Axles. Reclaiming of worn car. W. H. Stocking. 1,696,217; Dec. 25.
- Axles and the like, Roller lubricating device for. J. J. Schneider. 1,657,281; Jan. 24.
- Axminster tube frame. E. F. Hathaway. 1,696,163; Dec. 18.
- Azodyestuff derived from 1:8-naphthalene dicarboxylic acid and making the same. M. Isler and L. Von Mechel. 1,667,318; Apr. 24.
- Azodyestuff, Diazotizable. M. Boeniger. 1,686,947; Oct. 9.
- Azodyestuffs and making same. H. Fritzsche, E. Krummenger, H. Gubler, and O. Kaiser. 1,667,312; Apr. 24.
- Azodyestuffs and making same. A. L. Laska and A. Zitscher. 1,667,667; Apr. 24.
- Azo-dyestuffs containing two hydroxynaphthalene nuclei, Production of. F. Straub and H. Schneider. 1,669,069; May 8.
- Azo dyestuffs from 2-3-hydroxynaphthoic acid arylids and making the same. L. Laska and A. Zitscher. 1,678,599; July 24.
- Babbling machine. T. H. Orr. 1,690,992; Nov. 6.
- Babbling machine, Centrifugal. L. W. Moulton and O. C. Kavlé. 1,675,657; July 3.
- Baby carriage or similar article. A. Bizzarri. Des. 74,163; Jan. 3.
- Baby-development device. W. F. Hudson. 1,656,637; Jan. 17.
- Baby walker. E. Boehm. Des. 75,715; July 10.
- Baby walker. P. Crosley, jr. 1,661,411; Mar. 6.
- Baby walker. J. Drinosky, jr. 1,688,922; Oct. 23.
- Baby walker. O. C. Sanger. 1,677,213; July 17.
- Back and head rest for beaches. W. E. Gaskin. 1,659,093; Feb. 14.
- Back-fire and theft preventing device, Combined. A. I. Liberman. 1,694,271; Dec. 4.
- Back rest for chairs, Adjustable. P. W. Olson. 1,684,106; Sept. 11.
- Back rest, Hydraulic. A. P. Steiner. 1,689,409; Oct. 30.
- Backslide brake, Automatic automobile. C. W. Millard, jr. 1,692,946; Nov. 27.
- Back-space mechanism. J. H. Barr. 1,684,428; Sept. 18.
- Back support for baths. A. E. Sachsse. 1,676,354; July 10.
- Back support for seats, Yieldable. F. C. Bitzenburger. 1,663,898; Mar. 27.
- Backwinding machine. W. P. Toms and W. R. Fowler. 1,668,878; May 8.
- Bactericidal preparation. P. Laland. 1,662,930; Mar. 20.
- Badge. M. M. Alexander. Des. 75,319; May 29.
- Badge. C. J. Dieges. 1,662,001; Mar. 6.
- Badge. W. A. Fox. Des. 75,232; May 22.
- Badge. V. A. Hargis. Des. 74,368; Feb. 7.
- Badge. F. C. W. Parker. Des. 74,622; Mar. 6.
- Badge. A. O. Schilling. Des. 74,277; Jan. 17.
- Badge. R. M. Schutz. Des. 74,193; Jan. 3.
- Badge. S. Seides. Des. 76,764; Oct. 30.
- Badge. L. M. Voivod. Des. 76,508; Oct. 2.
- Badge. J. W. Ware. Des. 74,404; Feb. 7.
- Badge or similar article. M. Buivid. Des. 74,167; Jan. 3.
- Badge or similar article. M. Chamberlain. Des. 75,677; July 3.
- Badge or similar article. C. D. Easy. Des. 76,010; Aug. 14.
- Badge or similar article. G. F. Kearney. Des. 76,399; Sept. 25.
- Badge or similar article. I. M. Sullivan. Des. 75,393; May 29.
- Badge or similar article, Coat. W. S. Bixler. Des. 75,607; June 26.
- Baffle for coal-burning heaters. J. T. Landgraf. 1,689,923; Oct. 30.
- Baffle for steam drums. A. C. Danks. 1,669,602; May 15.
- Baffle for water-tube boilers. N. Appenzeller. 1,680,314; Aug. 14.
- Baffle plate for boiler flues. F. J. Lochen. 1,691,979; Nov. 20.
- Baffle, Sand. J. Kahler. 1,671,589; May 29.
- Baffle-slot block. G. Allen, jr. 1,674,386; June 19.
- Bag: See—
- | | |
|-----------------|----------------------|
| Air bag. | Laundry bag. |
| Breather bag. | Paper bag. |
| Brief bag. | Parcel bag. |
| Closing bag. | Punching bag. |
| Clothespin bag. | Rug bag. |
| Cooling bag. | Seed bag. |
| Fighting bag. | Self-closing bag. |
| Garment bag. | Shipping-cover bag. |
| Golf bag. | Shoe and locker bag. |
| Hand bag. | Shopping bag. |
| Hat bag. | Sleeping bag. |
| Heating bag. | Tea bag. |
| Kit bag. | Utility bag. |
- Bag. H. C. Gamble. 1,691,905; Nov. 13.
- Bag. R. C. Groh. 1,671,928; May 29.
- Bag. A. Lefkowitz. 1,691,906; Nov. 13.
- Bag. P. E. Morrill and R. E. Pierce. 1,691,782; Nov. 13.
- Bag and cushion, Combined. H. Berton. 1,677,743; July 17.
- Bag and food cooler, Combined water. J. W. and H. K. Day. 1,696,138; Dec. 13.
- Bag and grip, Combined hand. W. N. Hunter. 1,666,704; Apr. 17.
- Bag and handle therefor, Carrying. G. C. Snyder. 1,691,741; Nov. 13.
- Bag and hanger, Garment. M. Luery. 1,679,091; July 31.
- Bag and like lock. W. C. Hiering. 1,666,654; Apr. 17.
- Bag and making it, Multiplex. W. L. Taylor. 1,694,455; Dec. 11.
- Bag carrier or receptacle support. A. Viverito. 1,662,089; Mar. 13.
- Bag-catch top plate. J. B. Russ. Des. 75,652; June 26.
- Bag closure. A. B. Fishwick. 1,684,793; Sept. 18.
- Bag construction, Lady's hand and underarm. L. Goldsmith. 1,692,205; Nov. 20.
- Bag-feeding machine. A. C. Coty and T. E. Coty. 1,668,761; May 8.
- Bag filler. F. J. Campagna. 1,655,533; Jan. 10.
- Bag-filling apparatus. L. L. Edmunds. 1,667,930; May 1.
- Bag-filling machine. L. D. Nelson. 1,658,734; Feb. 7.
- Bag-filling machine. A. Wertenbruch. Re16,934; Apr. 17.
- Bag-filling machine, Automatic. L. H. Hartman. 1,667,858; May 1.

- Bag frame. W. C. Hering. Des. 76,685-6; Oct. 23.
 Bag-frame structure. W. C. Hering. 1,659,567; Feb. 21.
 Bag frames, Interengaging and aligning the members of
 hinged. F. T. Stuart. 1,662,837; Mar. 20.
 Bag holder. J. L. Espensen. 1,669,744; May 15.
 Bag holder. J. Thompson. 1,679,450; Aug. 7.
 Bag holder. O. E. Toman. 1,662,764; Mar. 13.
 Bag holder and spreader. W. P. Way. 1,665,724;
 Apr. 10.
 Bag holder, Jelly-. C. P. Blazer. 1,664,658; Apr. 3.
 Bag holder, Paper-. N. A. Ellertsen and C. R. Makela.
 1,657,074; Jan. 24.
 Bag holder, Portable and collapsible. J. H. Haven.
 1,691,571; Nov. 13.
 Bag inserter. R. Hansen. 1,696,843; Dec. 25.
 Bag lock, Mail-. A. E. Low. 1,683,294; Sept. 4.
 Bag making and filling machine. J. T. Dalton. 1,688,268;
 Oct. 16.
 Bag-making machine. A. Stone and M. Frost. 1,688,901;
 Oct. 23.
 Bag-making machines, Slitting device for. W. M. Seitz-
 inger. 1,688,091; Oct. 16.
 Bag or case, Hand. G. C. Snell. 1,667,014; Apr. 24.
 Bag or envelope. G. C. Snyder. 1,685,885; Oct. 2.
 Bag or pocketbook, Woman's hand. M. J. Marymont.
 1,680,464; Aug. 14.
 Bag seal. J. Tamassy. 1,667,609; Apr. 24.
 Bag-separating apparatus. C. H. Hartman and L. H.
 Hartman. 1,682,276; Aug. 28.
 Bag, suitcase, and the like, Traveling. B. H. Shwayder.
 1,690,507; Nov. 6.
 Bag-valving apparatus, Guide for. C. G. Kronmiller and
 J. E. Cornell. 1,657,577; Jan. 31.
 Bag with improved selvage and making same, Laundry.
 E. N. Sifton. 1,682,198; Aug. 28.
 Bagasse handling. W. Montgomery. 1,677,725; July 17.
 Baggage. E. W. Howland. 1,658,201; Feb. 7.
 Baggage carrier. G. H. Wheary. 1,682,056-7; Aug. 28.
 Bags, Making. H. Burgdorf. 1,668,044; May 1.
 Bags, Making and filling. A. M. Bates. 1,666,886;
 Apr. 24.
 Bags, Making reinforced. G. C. Snyder. 1,671,050;
 May 22.
 Bail. C. B. Stahl. 1,692,958; Nov. 27.
 Bail-attaching means for lanterns and the like. R. A.
 Currie. 1,665,055; Apr. 3.
 Bail construction for lanterns and the like. R. A.
 Currie. 1,696,567; Dec. 25.
 Bail ear. R. P. White. 1,665,828; Apr. 10.
 Bail ear and attaching same. J. R. Edwards. 1,694,775;
 Dec. 11.
 Bail for excavating dippers and the like. B. S. Ferguson.
 1,689,122; Oct. 23.
 Bail for pails and the like. R. R. Debacher. 1,694,165;
 Dec. 4.
 Bail handle. F. W. A. Hallerman. 1,678,005; July 24.
 Bailor. C. E. Coleston. 1,681,660; Aug. 21.
 Bailor and jar, Combined. G. A. Spang. 1,686,184; Oct. 2.
 Bailor, Automatic boat. H. L. Baldwin. 1,669,276;
 May 8.
 Bailor top, Swivel. F. J. Hinderliter. 1,655,463; Jan. 10.
 Bait, Artificial. C. Heddon. 1,692,935; Nov. 27.
 Bait, Artificial. T. Teshima. 1,683,933; Sept. 11.
 Bait, Artificial. J. T. Welch. 1,689,541; Oct. 30.
 Bait, Artificial. H. P. Wiersma. 1,670,174; May 15.
 Bait or lure, Fish. C. H. Walter. 1,686,114; Oct. 2.
 Bake pan. J. A. Ostendorf. 1,668,332; May 1.
 Bake pan. A. J. Will and D. A. Feldman. 1,666,363;
 Apr. 17.
 Baked fruits and vegetables, Packing. G. O. Sanborn.
 1,662,044; Mar. 6.
 Baker, Square. E. H. Sebring. Des. 75,988; Aug. 7.
 Baker's peel. R. A. Minsterman. 1,680,904; Aug. 14.
 Baking and roasting appliance. E. Hager. 1,683,611;
 Sept. 11.
 Baking apparatus. R. G. Tugendhat. 1,684,751; Sept. 18.
 Baking attachment. L. H. Larsen. 1,676,830; July 10.
 Baking device. J. F. Connell. 1,678,690; July 31.
 Baking device, Potato-. R. D. Kenyon. 1,683,554; Sept. 4.
 Baking food products, Apparatus for. G. E. Page.
 1,679,052; July 31.
 Baking pad. C. C. Porter. 1,675,051; June 26.
 Baking pan. J. G. Jackson. 1,678,008; July 24.
 Baking pan. J. G. Jackson. 1,696,004; Dec. 18.
 Baking pan. A. R. Ross. 1,671,450; May 29.
 Baking pans, Reinforced. A. Katzinger. 1,669,057;
 May 8.
 Balance, Automatic. C. Peccaud. 1,667,603; Apr. 24.
 Balance regulator, Voltage-. L. C. Roberts. 1,696,415;
 Dec. 25.
 Balance, Sash. S. E. Snyder. 1,679,746; Aug. 7.
 Balancing apparatus. G. M. Eaton. 1,671,468; May 29.
 Balancing machine. A. T. Kasley. 1,689,672; Oct. 30.
 Balancing machine. J. Lundgren. 1,665,138; Apr. 3.
 Balancing machine. C. R. Soderberg. 1,665,938; Apr. 10.
 Balancing machine. C. R. Soderberg. 1,695,904; Dec. 18.
 Balancing machine. W. E. Trumpler. 1,665,866;
 Apr. 10.
 Balancing machine. W. E. Trumpler. 1,675,393; July 3.
 Balancing machine. W. E. Trumpler. 1,678,887-8;
 July 31.
 Balancing means for vehicle wheels. W. J. Starling.
 1,684,290; Sept. 11.
 Balancing pneumatic tires. H. T. Woolson. 1,692,145;
 Nov. 20.
 Balancing reciprocating masses. R. K. Lee. 1,672,164;
 June 5.
 Balancing system, Engine-. A. W. Pope, Jr. 1,664,942;
 Apr. 3.
 Bale tie. B. Anderson. 1,687,854; Oct. 16.
 Baler, Hay. J. E. Robbiss. 1,673,125; June 12.
 Baling press. N. Burkholder. 1,671,966; June 5.
 Baling press. H. Hill. 1,673,243; June 12.
 Baling press. G. W. Langford. 1,687,219; Oct. 9.
 Baling press, Tobacco-. A. West. 1,684,300; Sept. 11.
 Ball: See—
 Float ball. Play ball.
 Flying ball. Playing ball.
 Game ball. Scouring ball.
 Golf ball. Sport ball.
 Inflatable ball. Tea ball.
 Jangling ball. Twine ball.
 Ball and slip joint mechanism. A. Y. Dodge. 1,659,021;
 Feb. 14.
 Ball-and-socket joint. F. Faudi. 1,693,840; Dec. 4.
 Ball-and-socket joint and forming the same. C. S.
 Brown. 1,673,310; June 12.
 Ball bearing. B. Leedham. 1,671,372; May 29.
 Ball-bearing connection. F. C. Bantin. 1,656,970;
 Jan. 24.
 Ball-bearing-spindle construction. T. M. Prudden.
 1,677,686; July 17.
 Ball-bearing wheel, Double-row. F. Beemer. 1,674,087;
 June 19.
 Ball-forming machine. A. C. Munro. 1,691,248; Nov. 13.
 Ball game apparatus. J. A. Ekelund. 1,682,170; Aug. 28.
 Ball mill, Balanced. W. M. Barker. 1,692,974; Nov. 27.
 Ball-race elements, Making. B. G. Nice. 1,677,841;
 July 17.
 Ball-spotting rack. S. E. Rhoads. 1,660,626; Feb. 28.
 Ball trimming machine, Strain-. R. T. Mullen and A. C.
 Kells. 1,671,482; May 29.
 Baller, Combination. M. J. Kaspari. 1,659,030; Feb. 14.
 Balls, Making tennis. L. R. Hurburt. 1,685,423; Sept. 25.
 Balls of crochet cotton, Holder for. P. C. Auren.
 1,656,464; Jan. 17.
 Ballast, Apparatus for removing railroad. E. W. Taylor.
 1,676,063; July 3.
 Ballast-removing machine. E. Overmier. 1,691,933;
 Nov. 20.
 Ballast-removing machine, Railroad-. J. F. Robb.
 1,687,313; Oct. 9.
 Ballast resistances, Constructing. S. Ruttenberg.
 1,684,204; Sept. 11.
 Ballast spreader. B. W. Straw. 1,689,694; Oct. 30.
 Ballast-spreading device. B. W. Straw. 1,689,806;
 Oct. 30.
 Ballast-treating machine. J. Erickson. 1,660,482;
 Feb. 28.
 Balloon, Amphibian. F. G. Diago. 1,656,780; Jan. 17.
 Balloon and display release, Controlled. A. J. Kemplen.
 1,675,110; June 26.
 Balloon with elastic deformation, Slack. L. Avorio.
 1,671,922; May 29.
 Ballot box. J. Ferguson. 1,655,459; Jan. 10.
 Ballot box, Collapsible. C. C. Graham. 1,673,769;
 June 12.
 Ballot holder for trucks. W. H. Odiorne. 1,670,738;
 May 22.
 Ballot marker and setter. E. Gregory. 1,685,996; Oct. 2.
 Band-building machine. H. D. Stevens. 1,665,194;
 Apr. 3.
 Band for use with tractors or the like. G. I. Worley.
 1,693,833; Dec. 4.
 Band or bracelet, Expansible. C. H. Kestenman.
 1,693,278; Nov. 27.
 Band or tube corrugating and flanging machine, Combina-
 tion. C. B. Pritchard. Re16,931; Apr. 10.
 Band-wheel counterbalance. M. J. Milz. 1,664,524;
 Apr. 3.
 Band wheel, Counterbalanced. W. Schwemlein. 1,692,581;
 Nov. 20.
 Bandage, Facial. O. L. Arlen. 1,678,970; July 31.
 Bandage roller, cutter, and cabinet. J. J. Moore.
 1,687,031; Oct. 9.
 Bandage, Surgical. A. Walkiewicz. 1,670,916; May 22.
 Bandeau. C. Lipper. 1,661,141; Feb. 28.
 Banding machine. O. Muller. 1,686,628; Oct. 9.
 Banding machine, Package-. C. S. Weeks. 1,677,941;
 July 24.
 Banister construction joint. F. Lulpersbek. 1,663,203;
 Mar. 20.
 Banjo. H. F. Mietz. 1,686,416; Oct. 2.
 Banjo and similar musical instrument. N. Greenop.
 1,664,547; Apr. 3.
 Banjo hand rest. J. and F. J. Laterra. 1,684,962; Sept. 18.
 Banjo hand rest. J. Laterra and F. Joy. 1,667,324;
 Apr. 24.
 Banjo-neck-adjusting means. C. H. Strupe. 1,671,942;
 May 29.
 Banjo or the like musical instrument. W. H. DeWick.
 1,681,148; Aug. 14.
 Banjo rim. A. D. Grover. 1,695,282; Dec. 18.
 Banjo stand. A. Romao. 1,673,205; June 12.
 Banjo ukulele. H. A. Petterson. Des. 74,317; Jan. 24.
 Bank. F. De Cardy. 1,674,766; June 26.
 Bank check and stub. A. A. Frankel. 1,671,418; May 29.
 Bank, Coin. I. J. Kusel. 1,674,252; June 19.
 Bank, Coin. J. H. Stapp. Des. 74,901; Apr. 10.
 Bank, Coin. D. H. Zell. Des. 74,910; Apr. 10.

- Bank construction, Burglarproof. D. G. Earl. 1,687,833; Oct. 16.
- Bank counter. J. Poole. 1,673,639; June 12.
- Bank, Home savings. C. W. Cherry. 1,686,201; Oct. 2.
- Bank, Money. O. F. Baughman and J. Habart. 1,679,644; Aug. 7.
- Bank or receptacle, Coin. O. F. Baughman and J. Hobart. 1,666,524; Apr. 17.
- Bank, Portable savings. G. Miller. 1,678,646; July 31.
- Bank-protecting device. J. W. Johnston. 1,681,481; Aug. 21.
- Bank-protecting device. C. M. Smart. 1,669,539-40; May 15.
- Bank, Receiving. J. F. Steegmuller. 1,669,497; May 15.
- Bank, Savings. A. Freiman. Des. 75,158; May 15.
- Bank, Savings. B. F. Greer. 1,691,628; Nov. 13.
- Bank, Savings. C. W. Scott. Des. 76,327; Sept. 11.
- Bank, Savings. Z. M. Speer. 1,665,824; Apr. 10.
- Bar: See—
- Angle bar. Neutralizing bar.
- Binding bar. Railway-rail-lifting bar.
- Boring bar. Reinforcing bar.
- Claw bar. Splice bar.
- Collapsible bar. Stall bar.
- Connecting bar. Switch bar.
- Crate bar. Tow bar.
- Doctor bar. Towel bar.
- Expansion bar. Typographical distributing bar.
- Glazing bar. Universal bar.
- Grate bar. Vehicle impact bar.
- Lintel bar.
- Bar-after-cut quick release. W. D. Johnson. 1,656,733; Jan. 17.
- Bar and guide box for metal-rolling mills, Rest. L. Young. 1,692,788; Nov. 20.
- Bar-bending machine. S. Macomber. 1,683,366; Sept. 4.
- Bar-bending machine. S. Macomber. 1,687,776; Oct. 16.
- Bar chair. W. E. White. 1,659,795; Feb. 21.
- Bar clip. W. E. White. 1,677,066; July 10.
- Bar for plate-glass windows, Adjustable corner. H. A. Olsson. 1,695,973; Dec. 18.
- Bar for show windows and the like, Angle. H. F. A. Wachter. 1,681,201; Aug. 21.
- Bar-heating furnace. F. W. Brooke. 1,654,678; Jan. 3.
- Bar holder, Adjustable boring. E. E. Vidarshof. 1,676,937; July 10.
- Bar joist. T. A. Lucy. 1,662,752; Mar. 13.
- Bar support. G. F. Hauf. 1,673,360; June 12.
- Bar support and spacer. H. H. Lampert. 1,656,378; Jan. 17.
- Bars and spring hangers by electric welding, Production of integral side. C. S. Smith. 1,678,923; July 31.
- Bars, Junction for metal. L. G. Woods. 1,666,614; Apr. 17.
- Bars, Making hollow steel. T. S. Wheelwright. 1,668,705; May 8.
- Barber's chair, Portable. S. Sterling. 1,671,556; May 29.
- Barge or vessel, Dumping. J. McClure. 1,671,037; May 22.
- Barge, Self-dumping. F. M. Henry. 1,675,607; July 3.
- Barite, Concentration of. W. O. Borchardt. 1,662,633-4; Mar. 13.
- Barium carbonate, Purifying. J. E. Marwedel and J. Looser. 1,673,985; June 19.
- Barking apparatus. F. E. Hummel. 1,670,723; May 22.
- Barking drum. B. Branch. 1,672,300; June 5.
- Barking drum. C. Royem. 1,655,628; Jan. 10.
- Barometric device. I. I. Eremeeff. 1,676,983; July 10.
- Barrel. A. B. Houtz. 1,669,243; May 8.
- Barrel. T. E. Murray. 1,682,403; Aug. 28.
- Barrel agitator. F. H. Haywood. 1,661,255; Mar. 6.
- Barrel and sand trap, Combination working. E. L. Boyd and J. T. Johnson. 1,684,295; Sept. 11.
- Barrel bungs and faucets, Locking means for. A. Tjepkes. 1,656,686; Jan. 17.
- Barrel closure. R. S. Fetter. 1,670,442; May 22.
- Barrel, drum, cask, or the like. J. E. Blincow. 1,691,753; Nov. 13.
- Barrel for oil-well pumps, Sectional. J. A. Zublin. 1,663,228; Mar. 20.
- Barrel grip. T. F. Wilson and W. Albright. 1,657,100; Jan. 24.
- Barrel head. N. A. Brush. 1,674,682; June 26.
- Barrel head, Removable. W. J. Murray. 1,658,853; Feb. 14.
- Barrel heads, Securing. A. H. Trageser and L. Hasinger. 1,674,578; June 19.
- Barrel lining. W. A. Lorenz. 1,674,974; June 26.
- Barrel-making machine. C. G. Grottnes. 1,683,248; Sept. 4.
- Barrel, Metallic. J. H. George. 1,696,112; Dec. 18.
- Barrel, method of and machine for making the same. H. C. Wilcox. 1,689,468; Oct. 30.
- Barrel rack. A. G. Schoessler. 1,664,707; Apr. 3.
- Barrel, Tumbling. F. W. Neville. 1,678,072; July 24.
- Barrels, Metallic head for. N. C. Taylor. 1,693,185; Nov. 27.
- Barrette. A. J. Laverdiere. 1,670,970; May 22.
- Barricade. E. W. Acker. 1,687,820; Oct. 16.
- Barricade. R. A. Trufant. 1,677,693; July 17.
- Barricade, Foldable. H. P. Geiser. 1,691,926; Nov. 20.
- Barrier. J. B. Strauss. 1,692,142; Nov. 20.
- Barrier and crossing, Stock. J. C. Kamas. 1,688,238; Oct. 16.
- Barrier device for stopping vehicles. E. D. Sawyer. 1,687,147; Oct. 9.
- Barrier, Race-track. J. Whalen. 1,659,713; Feb. 21.
- Barrier, with mechanical stop signal, Yieldable. E. D. Sawyer. 1,689,257; Oct. 30.
- Barrier, Yieldable. E. D. Sawyer. 1,654,606; Jan. 3.
- Barrier, Yieldable. E. D. Sawyer. 1,666,508; Apr. 17.
- Barrier, Yieldable. E. D. Sawyer. 1,675,912; July 3.
- Base, Adjustable. H. A. Perlmutter. 1,684,925; Sept. 18.
- Base and leg support. J. K. Anderson. 1,656,906; Jan. 24.
- Baseball. J. H. Grady. 1,671,237; May 29.
- Baseball. J. E. Maynard. 1,668,969; May 8.
- Baseball game, Electric. J. M. Prentice. 1,694,721; Dec. 11.
- Baseball novelty. L. Inness. 1,661,948; Mar. 6.
- Baseboard construction. A. F. Huebner. 1,674,725; June 26.
- Baseboard heater, Electrical. W. W. Hicks. 1,664,171; Mar. 27.
- Baseboard, Linoleum-covered. C. L. Petersen. 1,663,774; Mar. 27.
- Base-exchange body. A. O. Jaeger. 1,694,620; Dec. 11.
- Base for loud-speaker units. J. S. Hemming. 1,692,737; Nov. 20.
- Base for portable lamps. A. J. Carmichael. 1,686,551; Oct. 9.
- Basin. C. Friedrich. 1,690,482; Nov. 6.
- Basin and heat reclaimers, Soil-water catch. F. S. Boltz. 1,689,993; Oct. 30.
- Basin, Catch. F. Koch. 1,675,714; July 3.
- Basin, Closet. E. A. Pohl. 1,654,832; Jan. 3.
- Basin mounting. O. M. Ries. 1,688,987; Oct. 23.
- Basin, Sanitary catch. L. Griffith. 1,654,803; Jan. 3.
- Basing machine for incandescent lamps and similar articles, Precision-. T. O. Moffit and R. K. Braunsdorff. 1,687,504; Oct. 16.
- Basket carrier. E. G. Barnett. 1,659,130; Feb. 14.
- Basket cover and handle fastening means, Combined. C. J. Dudley. 1,690,722; Nov. 6.
- Basket, Fireplace. W. T. Bailey. 1,677,540-1; July 17.
- Basket fruit protector, Tin-top-. R. P. Miller. 1,669,669; May 15.
- Basket handle. B. H. Smith. 1,677,152; July 17.
- Basket-making machine. E. Craig. 1,676,848; July 31.
- Basket-making machine. A. H. Schmidtke. 1,682,770; Sept. 4.
- Basket or box, Berry. E. Craig. 1,683,761; Sept. 11.
- Basket, Refrigerator. S. A. Megeath. 1,688,125; Oct. 16.
- Basket, Sheet-metal waste-paper. E. H. Salt. 1,692,765; Nov. 20.
- Basket, Shopping. A. Moynahan. 1,689,448; Oct. 30.
- Basket top. A. W. Spencer and F. A. Falconer. 1,691,591; Nov. 13.
- Baskets and other basketwork structures, Producing. R. Weber. 1,683,507; Sept. 4.
- Baskets and the like, Apparatus for making. A. H. Schmidtke. 1,682,769; Sept. 4.
- Baskets, Machine for making. E. Craig. 1,674,034; June 19.
- Baskets, Making candy. A., N., and J. B. Varkas, and J. Paxon. 1,667,335; Apr. 24.
- Bassinet. H. S. Watt. 1,689,091; Oct. 23.
- Bat. Reinforced safety. E. Cohn. 1,665,195; Apr. 3.
- Bath: See—
- Cadmium-plating bath.
- Electrically-heated tempering bath.
- Bath and shower combination. P. Mueller. 1,678,703; July 31.
- Bath apparatus. J. Lang. 1,691,577; Nov. 13.
- Bath apparatus, Portable. L. J. B. Talbot. 1,663,735; Mar. 27.
- Bath fixture, Combination. J. H. Balmer. Des. 75,819-20; July 24.
- Bath mitt. A. W. Belfry. 1,688,374; Oct. 23.
- Bathing amusement apparatus. W. Fisch. 1,655,498; Jan. 10.
- Bathing apparatus, Infant's. B. H. and D. M. Kennedy. 1,693,391; Nov. 27.
- Bathing appliance. B. H. and D. M. Kennedy. 1,693,390; Nov. 27.
- Bathing bag. H. Sporn. Des. 74,526; Feb. 21.
- Bathing cap. O. A. Bigler. 1,695,005; Dec. 11.
- Bathing case, Waterproof. C. E. Lang. 1,689,396; Oct. 30.
- Bathing compartment. E. R. Boyle. 1,687,711; Oct. 16.
- Bathing device, Propelled. J. Hall. 1,691,188; Nov. 13.
- Bathing float. C. C. Harris. 1,689,721; Oct. 30.
- Bathing garment. N. Jenkins. 1,661,725; Mar. 6.
- Bathing pool, Artificial-surf. W. Fisch. 1,679,156; July 31.
- Bathing suit. H. J. Knapp. 1,672,762-3; June 5.
- Bathing suit. L. Pelton. 1,666,504; Apr. 17.
- Bathroom fixture. P. G. Duryea. Des. 77,228; Dec. 18.
- Bathtub. H. L. Woolfenden. 1,677,160; July 17.
- Bathtub attachment. E. A. Wright. 1,683,430; Sept. 4.
- Bathtub dressing table for children. F. M. McEniry. 1,685,093; Sept. 25.
- Bathtub, Electrically heated. K. H. Ober. 1,669,773; May 15.
- Bathtub fitting. J. Ernst. M. J. Fehniger, and H. L. Patterson. 1,658,159; Feb. 7.
- Bathtub, Infant's. D. M. and B. H. Kennedy. 1,693,389; Nov. 27.

- Bathtub, Infant's portable collapsible. E. G. Schaeffer. 1,658,944; Feb. 14.
- Bathtub table. R. E. McGaughey. 1,673,295; June 12.
- Bathtubs and lavatories, Waste valve for. J. N. Mortimer. Re16,902; Mar. 13.
- Bathtubs and utilizing same, Protecting covering for. R. E. Henry. 1,665,206; Apr. 10.
- Bathtubs, Waste and overflow equipment for. H. F. Kelso. 1,669,473; May 15.
- Batteries, Cable terminal for storage. W. F. Wilford. 1,658,752; Feb. 7.
- Batteries, Making storage. E. A. Garlock. 1,660,264; Feb. 21.
- Batteries, Making storage. L. R. Steele. 1,668,741; May 8.
- Batteries, Pole connector of electric. R. J. Laird. 1,675,114; June 26.
- Batteries, Separating device for lead storage. C. J. V. Féry. 1,685,695; Sept. 25.
- Batteries, Separator retainer for storage. H. J. Hampton. 1,674,594; June 19.
- Batteries, Terminal for storage. R. A. Szeits. 1,667,704; Apr. 24.
- Battery: See—
- | | |
|----------------------|-------------------------------|
| Automobile battery. | Galvanic battery. |
| Dry battery. | Secondary battery. |
| Dry-cell battery. | Secondary or storage battery. |
| Electric battery. | Storage battery. |
| Flash-light battery. | |
- Battery. F. W. Hochstetter and W. Broad. 1,693,385; Nov. 27.
- Battery. E. J. Petrie and G. R. Hannan. 1,673,421; June 12.
- Battery. E. B. Wheeler. 1,658,315; Feb. 7.
- Battery and construction, Dry. E. E. Meisekothen. 1,656,644; Jan. 17.
- Battery and manufacturing battery cells, Electric. H. M. R. Dam. 1,673,402; June 12.
- Battery and method of manufacture, Dry. E. E. Meisekothen. 1,678,601; July 24.
- Battery box. W. E. Glancy. 1,679,657; Aug. 7.
- Battery box. O. O. Rieser. Des. 75,446; June 5.
- Battery box or the like and detachable handle therefor. E. S. Boyer. 1,657,523; Jan. 31.
- Battery carrier. J. E. Chase. 1,671,812; May 29.
- Battery carrier. G. E. Swanby. 1,655,744; Jan. 10.
- Battery cell. H. Csanyi. 1,675,973; July 3.
- Battery cell. H. Csanyi. 1,676,007; July 3.
- Battery cell, Electric. H. M. R. Dam. 1,673,403; June 12.
- Battery charge indicator, Storage. T. J. Strouse. 1,661,776; Mar. 6.
- Battery-charging apparatus, Storage. R. J. Sassemann. 1,659,050; Feb. 14.
- Battery-charging clip or connector. G. Schurlmann. 1,671,842; May 29.
- Battery-charging connection for potential charging. G. E. Lundberg. 1,673,086; June 12.
- Battery-charging system. H. W. Sayles. 1,660,397; Feb. 28.
- Battery-charging system, Automatic. C. E. Lomax. 1,677,644; July 17.
- Battery-charging system, Automatic. M. L. Nelson. 1,659,045; Feb. 14.
- Battery-charging system, Storage. W. S. H. Hamilton. 1,689,483; Oct. 30.
- Battery-charging system, Storage. W. T. Knieszner. 1,680,947; Aug. 14.
- Battery composition. P. J. Kelleher. 1,685,674; Sept. 25.
- Battery connector. A. C. De Lorme. 1,676,387; July 10.
- Battery connector. F. G. Julian. 1,690,118; Nov. 6.
- Battery connector. J. Poland. 1,675,991; July 3.
- Battery connector. J. M. White. 1,677,312; July 17.
- Battery connection. H. E. Frasier. 1,679,716; Aug. 7.
- Battery connection. G. J. Ocker. 1,670,634; May 22.
- Battery construction, Storage. C. C. Carpenter. 1,665,772; Apr. 10.
- Battery container, Electric. E. Lyndon. 1,663,887; Mar. 27.
- Battery cover and sealing means, Electric. W. E. Holland. 1,673,677; June 12.
- Battery-cup machine. H. Zeitlin. 1,657,101; Jan. 24.
- Battery, electric accumulator, and electrolyzing apparatus. R. Oppenheim. 1,687,307; Oct. 9.
- Battery-element extractor. A. B. Côte. 1,666,847; Apr. 17.
- Battery-filling device. W. E. Holland. 1,690,066; Oct. 30.
- Battery flushing and refilling device, Storage. J. E. Scharf. 1,666,837; Apr. 17.
- Battery heater. C. R. Daellenbach. 1,687,196; Oct. 9.
- Battery-lead connection or clamp. J. P. and H. J. Bihl. 1,680,201; Aug. 7.
- Battery-making machine. O. K. Reinhardt. 1,675,382; July 3.
- Battery mold, Storage. G. F. Langermeier. 1,677,241; July 17.
- Battery mounting. J. Dolinar. 1,657,461; Jan. 31.
- Battery nuts, Making. E. G. Oakley. 1,693,957; Dec. 4.
- Battery of gasoline engines with master controls. S. S. McIntyre. 1,671,479; May 29.
- Battery of the Leclanché type, Electric. G. N. Antonoff. 1,687,051; Oct. 9.
- Battery or accumulator, Secondary. E. A. Salazar. 1,662,866; Mar. 20.
- Battery package, Dry. H. R. C. Anthony. 1,684,856; Sept. 18.
- Battery plate. R. L. Ellery. 1,687,752; Oct. 16.
- Battery plate and making same. W. J. Plews. 1,670,046; May 15.
- Battery plate and permanizing the same, Storage. W. L. Reinhardt. 1,688,399; Oct. 23.
- Battery plate and producing same, Storage. C. W. Jenner. 1,665,962; Apr. 10.
- Battery plate, Storage. J. H. Calbeck and J. A. Schaeffer. 1,668,801; May 8.
- Battery plate, Storage. J. N. Davis. 1,685,215; Sept. 15.
- Battery plates, Making. W. J. Plews. 1,670,047; May 15.
- Battery plates, Making storage. C. W. Hazelett. 1,659,654; Feb. 21.
- Battery plates, Process and machine for the manufacture of storage. J. N. Davis. 1,690,887; Nov. 6.
- Battery-reinforcing handle. W. E. Holland. 1,684,277; Sept. 11.
- Battery seal. W. A. MacKenzie. 1,673,463; June 12.
- Battery separator. W. L. Kann. 1,688,336; Oct. 23.
- Battery separator and producing same, Storage. T. A. Willard. 1,671,335; May 29.
- Battery-separator blanks, Producing. E. P. Fay. 1,673,669; June 12.
- Battery separator element and producing same, Storage. N. Fallek. 1,690,573; Nov. 6.
- Battery separator, Storage. P. E. Norris and H. H. Aldrich. 1,665,604; Apr. 10.
- Battery solution. A. Dembowick. 1,669,393; May 8.
- Battery switch. H. Hubbell, Jr. 1,676,608; July 10.
- Battery terminal. T. P. Logan. 1,663,013; Mar. 20.
- Battery terminal. G. D. Pate. 1,661,497; Mar. 6.
- Battery terminal. A. W. Welmer and J. F. Smith. 1,665,048; Apr. 3.
- Battery-terminal adaptor. V. V. Vaughn. 1,687,262; Oct. 9.
- Battery terminal and cable clamp. S. R. Garner, sr. 1,684,985; Sept. 18.
- Battery terminal clamp. C. Fischer. 1,658,160; Feb. 7.
- Battery-terminal clamp. G. Hardos. 1,677,445; July 17.
- Battery terminal clamp. R. B. Stewart. 1,662,346; Mar. 13.
- Battery terminal clamp, Storage. E. F. Leighton. 1,661,376; Mar. 6.
- Battery-terminal clip. E. M. Bailey. 1,667,581; Apr. 24.
- Battery-terminal connector. S. Diller. 1,655,598; Jan. 10.
- Battery-terminal coupling. F. W. Leuthesser. 1,664,692; Apr. 3.
- Battery terminal, Storage. F. G. Dewey. 1,671,016; May 22.
- Battery tester. E. G. Peters. 1,690,500; Nov. 6.
- Battery tester. J. Taylor. 1,661,913; Mar. 6.
- Battleships, General-alarm system for. P. S. Grierson. 1,654,971; Jan. 3.
- Beacon. E. W. Jackson. 1,691,011; Nov. 6.
- Beacon, Vertical. H. F. Cuntz. 1,666,196; Apr. 17.
- Bead-chain coupling. W. J. Gagnon. 1,664,290-1; Mar. 27.
- Bead chains, Automatic manufacturing of. K. Durr. 1,693,558; Nov. 27.
- Bead covering. C. H. Desautels. 1,664,196; Mar. 27.
- Bead-covering machine. C. H. Desautels. 1,680,091; Aug. 7.
- Bead-covering machine. E. D. Putt. 1,686,466; Oct. 2.
- Beam form. L. I. Bruce. 1,690,361; Nov. 6.
- Beam-forming device. D. E. Hennessy. 1,678,043; July 24.
- Bead holder. W. I. Noble. 1,661,382; Mar. 6.
- Bead-setting mechanism. R. E. Jenkinson. 1,662,004; Mar. 6.
- Beads and nail spacers, Making corner. C. E. Keas. 1,679,248; July 31.
- Beads, Apparatus for making. D. E. Hennessy. 1,674,722; June 26.
- Beads, Method of and mechanism for feeding. R. Brindle, Jr. 1,673,731; June 12.
- Beam. S. I. Vaughn. 1,682,202; Aug. 28.
- Beam balance, Precision. A. Wirth. 1,674,937; June 26.
- Beam hanger. H. J. Baker. 1,664,499; Apr. 3.
- Beam hanger. J. Lally. 1,658,130; Feb. 7.
- Beam hook, Adjustable positive-grip steel. C. E. Currie. 1,686,074; Oct. 2.
- Beam or pole structure. C. M. Goodrich. 1,676,824; July 10.
- Beam, Steel walking. L. J. Black. 1,682,883; Sept. 4.
- Beam structure, Brake. F. T. De Long. 1,695,416; Dec. 18.
- Beam, Trussed. J. H. Schlafly. 1,675,825; July 3.
- Beam, Walking. C. L. Lonsinger. 1,691,770; Nov. 13.
- Beam, Warp. J. R. Shutt. 1,663,923; Mar. 27.
- Beams, Production of expanded trussed. H. M. Gersman. 1,681,400; Aug. 21.
- Bean separator. C. S. Benton. 1,677,015; July 10.
- Bean-snipping machine. Q. Climer. 1,683,024; Sept. 4.
- Bearing. W. F. A. Casey, G. Cavin, and C. E. Brooks. 1,677,171; July 17.
- Bearing. G. B. Cheetham. 1,686,732; Oct. 9.
- Bearing. W. J. Chievitz. 1,683,593; Sept. 11.
- Bearing. N. M. Chinn. 1,694,438; Dec. 11.
- Bearing. S. W. Crawford. 1,657,881; Jan. 31.
- Bearings. C. L. Daun and P. E. Keller. 1,683,608; Sept. 11.

- Bearing. C. P. Eisenhauer. 1,657,349; Jan. 24.
 Bearing. G. Flintermann. 1,664,878-9; Apr. 3.
 Bearing. F. W. Fritchey. 1,676,181; July 3.
 Bearing. W. H. Himes. 1,687,668; Oct. 16.
 Bearing. C. W. Johnson. 1,675,933; July 3.
 Bearing. H. G. Martin and M. H. Newgirk. 1,678,152; July 24.
 Bearing. A. Pfau. 1,685,751; Sept. 25.
 Bearing. A. E. Schein. 1,670,636; May 22.
 Bearing. W. Schwemlein. 1,676,292; July 10.
 Bearing. C. R. Short. 1,655,167; Jan. 3.
 Bearing. A. Tacchella. 1,663,528; Mar. 20.
 Bearing. W. A. Van Brunt. 1,692,007-8; Nov. 20.
 Bearing. F. Volare. 1,670,915; May 22.
 Bearing. R. B. Williamson. 1,671,056; May 22.
 Bearing, Adjustable. C. H. Doelger. 1,671,629; May 29.
 Bearing, Adjustable. H. T. Herr. 1,675,490; July 3.
 Bearing, Adjustable. E. J. Wesp. 1,662,094; Mar. 13.
 Bearing, Adjustable. J. W. Whitelock and J. W. Case. 1,681,204; Aug. 21.
 Bearing, Adjustable locking. T. Van Ryan and A. Alsaker. 1,693,126; Nov. 27.
 Bearing, Adjustable self-aligning. F. Burgess. 1,666,593; Apr. 17.
 Bearing, Adjustable step. T. Cureton. 1,668,839; May 8.
 Bearing and lateral-motion device, Combined side. T. H. Symington. 1,657,327; Jan. 24.
 Bearing and making it. J. Brincil. 1,686,951; Oct. 9.
 Bearing and seal for same. J. O. Carrey. 1,689,912; Oct. 30.
 Bearing, Antifriction. H. Fritzsche. 1,663,629; Mar. 27.
 Bearing, Antifriction. W. A. Geiger. 1,671,576; May 29.
 Bearing, Antifriction. W. A. Geiger. 1,674,821; June 26.
 Bearing, Antifriction. S. B. Haseltine. 1,683,462; Sept. 4.
 Bearing, Antifriction. S. B. Haseltine. 1,685,160; Sept. 25.
 Bearing, Antifriction. S. B. Haseltine. 1,692,658; Nov. 20.
 Bearing, Antifriction. O. Henselman. 1,684,352; Sept. 11.
 Bearing, Antifriction. J. F. O'Connor. 1,660,567; Feb. 28.
 Bearing, Antifriction. J. F. O'Connor. 1,660,570-71; Feb. 28.
 Bearing, Antifriction. J. F. O'Connor. 1,660,573; Feb. 28.
 Bearing, Antifriction. J. F. O'Connor. 1,661,335; Mar. 6.
 Bearing, Antifriction. J. F. O'Connor. 1,671,604; May 29.
 Bearing, Antifriction. J. F. O'Connor. 1,684,506; Sept. 18.
 Bearing, Antifriction. J. F. O'Connor. 1,684,508-9; Sept. 18.
 Bearing, Antifriction. J. F. O'Connor. 1,685,173; Sept. 25.
 Bearing, Antifriction. J. F. O'Connor. 1,685,612; Sept. 25.
 Bearing, Antifriction. J. F. O'Connor. 1,689,450; Oct. 30.
 Bearing, Antifriction. H. M. Perry. 1,662,328; Mar. 13.
 Bearing, Antifriction. W. S. Pierce, jr. 1,675,728; July 3.
 Bearing, Antifriction roller. J. F. O'Connor. 1,684,507; Sept. 18.
 Bearing, Axle. A. L. Carroll. 1,669,598; May 15.
 Bearing, Babbitted. A. E. Schein. 1,682,189; Aug. 28.
 Bearing, Ball. C. W. Dake. 1,665,448; Apr. 10.
 Bearing-bolt structure. H. C. Ritter. 1,664,944; Apr. 3.
 Bearing boxing. S. A. Shields. 1,692,709; Nov. 20.
 Bearing bush, Loose or floating. T. Sloper. 1,674,453; June 19.
 Bearing bushing. D. O. Barrett. 1,693,333; Nov. 27.
 Bearing, Car-axle. L. W. Melcher. 1,687,221; Oct. 9.
 Bearing, Center. J. F. O'Connor. 1,678,871; July 31.
 Bearing composition. H. M. Williams. 1,661,245; Mar. 6.
 Bearing construction. C. T. Olson. 1,654,596; Jan. 3.
 Bearing construction for float-arm shafts. J. Elge. 1,685,046; Sept. 18.
 Bearing construction, Journal. J. S. McWhirter. 1,684,405; Sept. 18.
 Bearing, Crown. R. D. Bobbitt. 1,677,071; July 10.
 Bearing, Crown-block. R. R. Bloss and R. C. Pfeil. 1,659,989; Feb. 21.
 Bearing device for rails on sleepers of reinforced cement. L. Serra. 1,689,754; Oct. 30.
 Bearing, Divided-load thrust. A. B. Reavis. 1,673,021; June 12.
 Bearing, Dump-car-body-tilting. A. C. Schmohl. 1,689,365; Oct. 30.
 Bearing, Dump-car-body tilting. A. C. Schmohl and J. P. Anderson. 1,672,041; June 5.
 Bearing, End-thrust. S. G. Cooper. 1,659,858; Feb. 21.
 Bearing, End-thrust. L. Holland-Letz. 1,659,265; Feb. 14.
 Bearing especially for railway vehicles. F. Kertész. 1,689,783; Oct. 30.
 Bearing for centrifugal extractors. E. J. Zelenka. 1,685,347; Sept. 25.
 Bearing for deep-well pumps, Beam. J. P. Ratigan. 1,657,178; Jan. 24.
 Bearing for demountable spools. W. Bixby. 1,681,894; Aug. 21.
 Bearing for disk cultivators. A. W. Otoupal. 1,662,325; Mar. 13.
 Bearing for drill disks. C. L. Yost and L. C. Brown. 1,685,897; Oct. 2.
 Bearing for grinding wheel spindles, End-thrust. C. H. Norton. 1,690,425; Nov. 6.
 Bearing for gyro-compass rotors. Thrust. C. B. Mills. 1,688,825; Oct. 23.
 Bearing for hobbing machines, Adjustable spindle. W. F. Zimmermann. 1,676,310; July 10.
 Bearing for hydraulic turbine shafts. H. Syvertsen. 1,685,181; Sept. 25.
 Bearing for lawn mowers and the like. H. Priest. 1,696,325; Dec. 25.
 Bearing for locomotive journal boxes, End-thrust. J. T. Luscombe and T. Windle. 1,672,329; June 5.
 Bearing for locomotives, Main and middle connection. M. M. Tenesch. 1,669,105; May 8.
 Bearing for motors, Waste-packed. C. E. Johnson. 1,667,807; May 1.
 Bearing for power-transmission attachments, Self-aligning. G. A. Coats. 1,671,701; May 29.
 Bearing for railway cars, Side. A. M. Brenne. 1,673,389; June 12.
 Bearing for top-detaching rolls. W. P. Homans. 1,685,218; Sept. 25.
 Bearing for railway cars, Side. J. F. O'Connor. 1,696,318; Dec. 25.
 Bearing for reversible furniture backs. I. Hoffman. 1,695,102; Dec. 11.
 Bearing for rotary shafts, Automatically-centering. D. T. Sharples. 1,655,074; Jan. 3.
 Bearing for saw-carriage piston rods, Auxiliary. B. A. Janik. 1,681,615; Aug. 21.
 Bearing for shaft supports. A. P. Strong. 1,687,806; Oct. 16.
 Bearing for shafts, Self-aligning. H. E. Derr, sr. 1,677,514; July 17.
 Bearing for weighing apparatus, Knife-edge. F. Nauss. 1,667,635; Apr. 24.
 Bearing head for cutter shafts and the like, Detachable. C. L. Mattison. 1,692,460; Nov. 20.
 Bearing, Journal. G. Flintermann. 1,664,880; Apr. 3.
 Bearing, Journal. C. T. Ripley. 1,662,901; Mar. 20.
 Bearing, Land-roller. S. K. Dennis. 1,677,127; July 17.
 Bearing, Line-shaft. H. Krause. 1,676,784; July 10.
 Bearing-lubricating means. H. I. Finch. 1,656,702; Jan. 17.
 Bearing, Machine. E. Brown. 1,696,667; Dec. 25.
 Bearing, Main-rod. J. Kindervater. 1,682,969; Sept. 4.
 Bearing mechanism. J. M. Howe. 1,672,530; June 6.
 Bearing mechanism. J. M. Howe. 1,675,932; July 3.
 Bearing mounting. H. G. Baldwin. 1,685,517; Sept. 25.
 Bearing mounting. R. L. Brown. 1,689,856; Oct. 30.
 Bearing mounting. H. W. Holdsworth. 1,671,720; May 29.
 Bearing pins to legs of drill bits, Welding. H. H. Holdaway. 1,664,883; Apr. 3.
 Bearing plate for rail anchors. B. M. Cheney. 1,676,888; July 10.
 Bearing puller. J. W. Howell. 1,670,573; May 22.
 Bearing puller. J. W. Howell. 1,683,188-9; Sept. 4.
 Bearing, Pump. H. E. Kellogg. 1,675,177; June 26.
 Bearing, Quick-detachable disk. H. P. Corbin. 1,690,530; Nov. 6.
 Bearing, Radial. A. E. Schein. 1,662,903; Mar. 20.
 Bearing, Railway journal. C. T. Ripley. 1,684,146; Sept. 11.
 Bearing, Rocker. L. W. Van Buskirk. 1,693,416; Nov. 27.
 Bearing, Rocker-shaft. F. H. Wallace and W. H. Compton. 1,665,942; Apr. 10.
 Bearing, Roller. F. S. Barks. 1,670,433; May 22.
 Bearing, Roller. J. W. Foley. 1,667,348; Apr. 24.
 Bearing, Roller. J. W. Foley. 1,687,755-8; Oct. 16.
 Bearing, Roller. J. F. Foster. 1,668,893; May 8.
 Bearing, Roller. A. Heess and O. Schilling. 1,657,536; Jan. 31.
 Bearing, Roller. F. Tyson. 1,672,012; June 5.
 Bearing, Roller side. J. F. O'Connor. 1,670,477; May 22.
 Bearing, Roller-table line-shaft. L. Iversen. 1,660,510; Feb. 28.
 Bearing, Self-olling. T. C. Leake. 1,677,879; July 17.
 Bearing, Self-olling. K. O. Nilsson. 1,673,700; June 12.
 Bearing, Self oiling and aligning. E. E. Berry. 1,681,388; Aug. 21.
 Bearing separators, Making. T. C. Delaval-Crow. 1,693,550; Nov. 27.
 Bearing, Shaft. L. F. Buff. 1,674,317; June 19.
 Bearing, Shaft. P. H. Frank. 1,676,894; July 10.
 Bearing, Shaft. H. T. Herr. 1,683,351; Sept. 4.
 Bearing, Shaft. W. L. Scribner. 1,669,725; May 15.
 Bearing, Side. A. and C. Christianson. 1,664,915; Apr. 3.
 Bearing, Side. G. S. Crawford. 1,655,047; Jan. 3.
 Bearing, Side. S. B. Haseltine. 1,660,444; Feb. 28.
 Bearing, Side. J. F. O'Connor. 1,682,019; Aug. 28.
 Bearing, Side. W. E. Wine. 1,655,486-7; Jan. 10.
 Bearing, Side. W. E. Wine. 1,664,445; Apr. 3.
 Bearing strip for machine-tool ways. A. W. Parkes. 1,685,434; Sept. 25.
 Bearing structure, Adjustable. C. H. Thordarson. 1,677,937; July 24.
 Bearing structure and making same, Self-aligning. C. Claus. 1,684,984; Sept. 18.
 Bearing structure for vacuum-cleaner brushes and the like. H. T. Lang. 1,680,741; Aug. 14.
 Bearing structure, Self-aligning. C. Claus. 1,656,508; Jan. 17.
 Bearing support. R. R. White. 1,657,732; Jan. 31.

- Bearing support for drawers, Antifriction. C. W. Simpson. 1,686,472-3; Oct. 2.
- Bearing, Thrust. R. C. Allen. 1,666,521; Apr. 17.
- Bearing, Thrust. R. L. Dennison. 1,684,012; Sept. 11.
- Bearing, Thrust. A. Kingsbury. 1,668,648; May 8.
- Bearing, Thrust. J. H. Saymour and T. S. Spear. 1,676,219-21; July 3.
- Bearing, Thrust. A. E. Schein. 1,682,190; Aug. 28.
- Bearing, Well-drill pitman. W. H. Fenneman. 1,679,077; July 31.
- Bearing with fluid friction, Thrust. G. K. Böhm. 1,684,693; Sept. 18.
- Bearing with fluid friction, Thrust. G. Böhm. 1,688,519; Oct. 23.
- Bearing, Yarn-spool. E. F. Hathaway, and W. Bixby. 1,686,489; Oct. 2.
- Bearings and manufacturing such cages, Laminated cage for antifriction. A. H. Linde. 1,677,833; July 17.
- Bearings, Cage for antifriction. H. R. Gibbons. 1,668,112; May 1.
- Bearings, Closure for. T. V. Buckwalter. 1,667,507; Apr. 24.
- Bearings, Device for taking up looseness in. L. W. Hall. 1,693,559; Nov. 27.
- Bearings for rubber grinding, mixing, washing, calendaring, or other machines, Roll and like. A. Fraser. 1,672,118; June 5.
- Bearings in bearing recesses, Inserting. A. H. Valentine. 1,676,171; July 3.
- Bearings, Making. C. W. Johnson. 1,679,772; Aug. 7.
- Bearings, Making lined. W. H. Klocke. 1,691,073; Nov. 13.
- Bearings, Mounting. T. C. Delaval-Crow and C. B. Simmons. 1,668,105; May 1.
- Bearings, Oil and water control for hydraulic turbine. W. F. Grant. 1,693,600; Dec. 4.
- Bearings or the like and composition for use therein, Building up. G. W. Perks. 1,658,173; Feb. 7.
- Bearings, Preventing overheating of. E. A. M. Alric. 1,675,780; July 3.
- Bearings, Protection for pump. M. E. Layne and S. N. Hall. 1,654,740; Jan. 3.
- Bearings, Take-up for. J. A. Smith. 1,662,479; Mar. 13.
- Beater. J. S. Beck. 1,670,183; May 15.
- Beater. L. Bordwell. 1,676,128; July 3.
- Beater. L. E. Earle. 1,677,754; July 17.
- Beater. F. X. Lauterbur. 1,672,224; June 5.
- Beater. L. Stiles. 1,683,497; Sept. 4.
- Beater-blade support. E. N. Humphrey. 1,676,189; July 3.
- Beater, Egg. J. O. H. Cazenove. 1,694,500; Dec. 11.
- Beater-engine roll. A. M. McPhillips. 1,674,911; June 26.
- Beater for paper-making machines. J. S. Beck. 1,670,181; May 15.
- Beater for paper stock. C. R. Seaborne. 1,691,308; Nov. 13.
- Beater, Pulp. L. E. Randecker. 1,689,932; Oct. 30.
- Beater, Rug or carpet. D. P. Ransom. 1,667,605; Apr. 24.
- Beater, Sweet-clover. W. Freund. 1,668,064; May 1.
- Beating and mixing device. W. J. Taylor. 1,663,961; Mar. 27.
- Beating engine. J. D. Haskell. 1,683,546; Sept. 4.
- Beating engine. L. Shlick. 1,675,385; July 3.
- Beating engine. L. Shlick. 1,679,056-9; July 31.
- Beating engine. R. M. Wendel. 1,666,587; Apr. 17.
- Beating engine. G. S. Witham, jr. 1,692,602; Nov. 20.
- Beating engines, Roll for. H. R. Simonds. 1,684,521; Sept. 18.
- Beating gold leaf or sheets of other metal and such like, Apparatus for. W. Blacker. 1,677,513; July 17.
- Beating machine, Rug. A. W. Sharp. 1,675,059; June 26.
- Beauty case. F. van der Kley. 1,663,224; Mar. 20.
- Bed. A. G. Feldman. Des. 76,923; Feb. 20.
- Bed. G. Herz. 1,694,940; Dec. 11.
- Bed. F. B. Kaufman. 1,687,338; Oct. 9.
- Bed. W. Mingle and H. M. Jackson. 1,695,772; Dec. 18.
- Bed. E. C. Ortmeyer. 1,658,736; Feb. 7.
- Bed. G. Shand. 1,677,218; July 17.
- Bed. R. Temple and B. K. Hall. 1,669,683; May 15.
- Bed. M. D. Thomas. 1,678,795; July 31.
- Bed-bottom fabric. M. A. Davis. 1,694,094; Dec. 4.
- Bed and couch, Combination. H. F. Sowle. 1,672,697; June 5.
- Bed and embalming board, Combination day. H. C. Leamy. 1,674,554; June 19.
- Bed and luggage carrier, Combination cap. D. G. Conn. 1,691,601; Nov. 13.
- Bed and luggage carrier for automobiles, Folding. E. A. Speagle. 1,668,221; May 1.
- Bed and wall pocket. E. Colliton. 1,657,790; Jan. 31.
- Bed attachment. T. B. Smith and J. E. Bixler. 1,693,320; Nov. 27.
- Bed, Auto camp. W. A. Sutfin. 1,682,440; Aug. 28.
- Bed, Automobile. H. T. Ratzlaff. 1,657,484; Jan. 31.
- Bed, Automobile. L. A. Scholl. 1,661,580; Mar. 6.
- Bed, Automobile. W. L. Thatcher. 1,687,742; Oct. 16.
- Bed, Ceiling. T. W. Price. 1,696,412; Dec. 25.
- Bed, Closet or recess. C. Lofman. 1,693,090; Nov. 27.
- Bedclothes holder. C. N. Dilatash. 1,659,519; Feb. 14.
- Bed, Collapsible. D. Hanauer. 1,675,411; July 3.
- Bed construction. C. J. Kindel. 1,687,098; Oct. 9.
- Bed construction. E. C. Ortmeyer. 1,658,737; Feb. 7.
- Bed construction, Automobile. W. W. McLean. 1,659,887; Feb. 21.
- Bed, Convertible. W. A. Matheson. 1,689,737; Oct. 30.
- Bed, Convertible. L. Stickley and G. I. Taylor. 1,684,851; Sept. 18.
- Bed-cover support. A. H. Borland. 1,675,207; June 26.
- Bed, Davenport. C. I. Lamb. 1,686,384; Oct. 2.
- Bed, Disappearing. C. C. White. 1,662,594; Mar. 13.
- Bed, Foldable tourist. A. E. Kuehn. 1,662,880; Mar. 13.
- Bed, Folding. F. A. Adkins and N. S. Harter. 1,693,537; Nov. 27.
- Bed, Folding. E. Cocks. 1,661,876; Mar. 6.
- Bed, Folding. F. Conhaim and L. Sweningson. 1,683,958; Sept. 11.
- Bed, Folding. F. K. Conrad. 1,691,268; Nov. 13.
- Bed, Folding. G. O. De Hass. 1,692,080; Nov. 20.
- Bed, Folding. H. A. Joselowitz. 1,694,420; Dec. 11.
- Bed, Folding. F. R. Moore. 1,693,795; Dec. 4.
- Bed, Folding. N. Sinclair. 1,682,023; Aug. 28.
- Bed, Folding. J. M. Thomson. 1,691,260; Nov. 13.
- Bed, Folding camp. E. E. McGrew. 1,678,441; July 24.
- Bed for automobiles of the sedan type, Portable. J. M. Line. 1,676,987; July 10.
- Bed for premature and feeble infants, Inclosed. H. J. W. Morgenthau. 1,688,200; Oct. 16.
- Bed for shoe-ornamenting machinery. B. B. Brodfuehrer, B. W. Freeman, and C. A. Jester. 1,696,834; Dec. 25.
- Bed, Hospital. A. R. Weaver. 1,670,601; May 22.
- Bed, Invalid. C. E. Patterson. 1,680,394; Feb. 28.
- Bed, Invalid. S. H. Steinberg and J. E. Snyder. 1,679,635; Aug. 7.
- Bed leg. E. E. McGrew. 1,663,210; Mar. 20.
- Bed lock. L. N. Lumb. 1,666,424; Apr. 17.
- Bed, Mortuary. M. E. Ramsey. 1,667,080; Apr. 24.
- Bed or attachment therefor. M. C. Nixon. 1,658,776-80; Feb. 7.
- Bed or similar article, Child's. A. G. Feldman. Des. 76,922; Nov. 20.
- Bedpan washer. G. F. Hall. 1,661,221; Mar. 6.
- Bed partition. J. Pejka. 1,669,573; May 15.
- Bed pivot mounting, Wall-. N. Sinclair. 1,693,000; Nov. 27.
- Bed, Portable. F. S. Inco. 1,672,160; June 5.
- Bed, Portable folding. C. Lofman. 1,665,668; Apr. 10.
- Bed rail and slat support, Auxiliary. W. C. Hartmann and E. A. Weiss. 1,662,312; Mar. 13.
- Bed-rail brace. O. Ward and J. Compton. 1,690,465; Nov. 6.
- Bed, Revolving. R. W. Pearson. 1,667,982; May 1.
- Bed, Rolling. H. H. Motschman and G. G. Powers. 1,659,042; Feb. 14.
- Bed, Sofa. A. E. Anderson and C. A. Forsberg. 1,690,963; Nov. 6.
- Bedsprad. M. D. Gourlay. Des. 75,020; May 1.
- Bed spring. L. Sieger. 1,659,054; Feb. 14.
- Bedspring brace. J. B. White. 1,688,257; Oct. 16.
- Bedstead. G. C. Jorgensen. Des. 76,689; Oct. 23.
- Bedstead. G. J. Pike. Des. 76,954; Nov. 20.
- Bedstead corner lock. H. Richardson. 1,678,708; July 31.
- Bed-supporting panels, Adjustable pivot mounting for. A. C. Wheelock. 1,655,485; Jan. 10.
- Bed table. F. Peham. 1,657,176; Jan. 24.
- Bed table attachment. H. C. Innes. 1,662,675; Mar. 13.
- Bed, Vehicle. G. A. Montgomery. 1,674,215; June 19.
- Bed, Vehicle. A. F. Rodekohr. 1,686,294; Oct. 2.
- Beds, Companion. H. B. Littlefield. 1,682,577; Aug. 28.
- Beds and the like, Spring-supporting frame for. C. P. Trimble. 1,670,055; May 15.
- Beds, Folding twin. C. R. Ball. 1,683,149; Sept. 4.
- Beds, Table and chair attachment for. C. Balko and G. L. Lynn. 1,656,812; Jan. 17.
- Beehive-entrance snow guard. O. Smith. 1,659,640; Feb. 21.
- Beehive inspection and elevating apparatus. H. L. Whitney and R. E. Wyant. 1,658,957; Feb. 14.
- Beet cleaner. A. and A. Gudmundsen. 1,694,817; Dec. 11.
- Beet dump. J. W. Silver. 1,665,181; Apr. 3.
- Beet topper. C. N. and W. E. Wood. 1,666,636; Apr. 17.
- Beet-topping machine. J. Mazzocco. 1,687,730; Oct. 16.
- Beetle trap. B. Leon and M. Fow. 1,682,575; Aug. 28.
- Bell: See—
Electric bell.
- Bell, Deep-sea salvage. P. Priestman and M. Formello. 1,661,088; Feb. 28.
- Bell, Electric. W. F. Hendry. 1,664,107; Mar. 17.
- Bell, Horn. E. J. Gulick. 1,684,392; Sept. 18.
- Bell-ringing device. G. V. Schwenzer. 1,696,648; Dec. 25.
- Bell-ringing mechanism. A. L. Bauer. 1,692,808; Nov. 27.
- Bell-ringing mechanism. T. C. Maley. 1,688,392; Oct. 23.
- Bellows. Method and apparatus for making. F. K. Rezenberger. 1,655,778; Jan. 10.
- Bellows-regulating device. T. Mannborg. 1,671,992; June 5.
- Belt. S. Barabá. 1,674,585; June 19.
- Belt. M. F. Fersti. 1,661,936; Mar. 6.
- Belt. W. R. Mulock. 1,683,691; Sept. 11.
- Belt. L. H. Nichols. 1,658,648; Feb. 7.
- Belt, Abdominal. C. A. Muller. 1,671,441; May 29.
- Belt abrasive machine. C. Seel. 1,656,958; Jan. 24.
- Belt and countersunk rifle-sling loop, Rifle-stock-butt cartridge. R. F. Warren. 1,693,239; Nov. 27.

- Belt and lubricator therefor. J. B. Jurad. 1,673,459; June 12.
- Belt and making endless screen. R. W. Disbro. 1,662,639; Mar. 13.
- Belt and making the same. A. A. Teisher. 1,676,845; July 10.
- Belt attachment. J. H. Monahan. 1,666,975; Apr. 24.
- Belt box. H. A. Peter. 1,691,936-7; Nov. 20.
- Belt, Chain. P. Phelps. 1,660,354; Feb. 28.
- Belt clamp. W. B. Boggs and A. F. Davis. 1,674,944; June 26.
- Belt clamp. A. R. Bruce and E. T. Thornton. 1,688,262; Oct. 16.
- Belt clamp. E. Vollrath. 1,686,300; Oct. 2.
- Belt clamp. B. L. Walkup. 1,680,919; Aug. 14.
- Belt clasp. W. A. Ormsbee. Des. 75,694; July 3.
- Belt connector. W. A. Nourie. Re17,111; Oct. 23.
- Belt connector. F. Sunday. 1,673,878; June 12.
- Belt, Conveyor. J. W. Greer. 1,669,613; May 15.
- Belt conveyor, Endless. T. C. Lennard. 1,663,344; Mar. 20.
- Belt conveyers, Feeding device for. H. F. Paschen. 1,658,095; Feb. 7.
- Belt conveyers, Unloading device for. H. F. Paschen. 1,658,096; Feb. 7.
- Belt, Cord. N. E. Kimball. 1,679,575; Aug. 7.
- Belt coupling. P. Fruhof. 1,679,303; July 31.
- Belt, Decorative. H. B. Turner. 1,683,427; Sept. 4.
- Belt drive. K. Tessky. 1,670,914; May 22.
- Belt drive for refrigerating machines. J. O. Carrey. 1,683,955; Sept. 11.
- Belt-drive mechanism. S. A. Dobyne. 1,682,217; Aug. 28.
- Belt, Driving. M. O. Reeves. 1,691,871; Nov. 13.
- Belt, Driving. D. Tood. 1,684,335; Mar. 27.
- Belt driving mechanism. G. R. Pennington. 1,684,069; Sept. 11.
- Belt, Elastic body. G. B. Linney. 1,660,451; Feb. 28.
- Belt, Expansion. C. Horix. 1,694,944; Dec. 11.
- Belt-fastener-applying machine. J. K. Diamond. 1,689,013; Oct. 23.
- Belt fasteners, Retainer clip for. G. E. Purple. 1,659,001; Feb. 14.
- Belt, Feeding or displacing. A. J. Keiser. 1,667,120; Apr. 24.
- Belt for personal wear. E. S. Mix. 1,693,093; Nov. 27.
- Belt for personal wear and making the same. E. S. Mix and M. Sachs. 1,674,835; June 26.
- Belt hooks, Holder for wire. H. L. Coats. 1,660,644; Feb. 28.
- Belt-lacing tool. G. Honey. 1,683,825; Sept. 11.
- Belt, Military, police, or like. W. Abrahams. 1,655,527; Jan. 10.
- Belt placer. H. H. Franks. 1,688,579; Oct. 23.
- Belt, Potato-picking. R. B. Tresner. 1,696,509; Dec. 25.
- Belt power take-off, Flexible. S. E. Kurtz. 1,658,344; Feb. 7.
- Belt, Power-transmission. R. J. Gits. 1,656,628; Jan. 17.
- Belt, Power-transmitting or driving. R. Roderwald. 1,655,920; Jan. 10.
- Belt punch. E. Vollrath. 1,654,671; Jan. 3.
- Belt remover, Axle-generator. M. J. Brennan. 1,666,592; Apr. 17.
- Belt, Reinforced side-driving. H. W. Delzell. 1,657,300; Jan. 24.
- Belt, Reflector. E. R. Boots. 1,663,791; Mar. 27.
- Belt, Safety. R. L. Cosby. 1,690,720; Nov. 6.
- Belt sander, Double. C. L. Mattison. 1,665,749; Apr. 10.
- Belt, Sanitary. E. M. Schlosser. 1,676,288; July 10.
- Belt shifter or the like. H. B. Trott. 1,669,792; May 15.
- Belt slide. W. J. Morse. Des. 74,753; Mar. 20.
- Belt, Spirally-wound metallic. D. P. Rankin. 1,683,697; Sept. 11.
- Belt splice. P. B. Reeves. 1,656,016; Jan. 10.
- Belt strap. H. M. Ballou. 1,667,696; Apr. 24.
- Belt stretcher. E. Vollrath. 1,663,783; Mar. 27.
- Belt-tensioning apparatus. A. E. and G. C. Nielsen. 1,660,520; Feb. 28.
- Belt-tensioning device. J. A. Stein. 1,675,671; July 3.
- Belt-tensioning device for threading machines and the like. L. S. Hall. 1,666,135; Apr. 17.
- Belt tightener. T. Elliott. 1,673,555; June 12.
- Belt tightener. G. E. Fentress. 1,678,287; July 24.
- Belt tightener. H. C. McEwen. 1,678,645; July 31.
- Belt-tightening-idler mount. W. S. Ireland. 1,667,117; Apr. 24.
- Belt, Transmission. P. B. Reeves. 1,691,892; Nov. 13.
- Belt, Waist. I. Anderson. 1,674,584; June 19.
- Belt, F. F. Gingras. 1,691,968; Nov. 20.
- Belt, F. O. Marshall. 1,690,453; Nov. 6.
- Belts and the like, Strap for. M. H. Skaletsky. 1,662,646; Mar. 13.
- Belts, Attachment for. F. T. Ward. 1,670,945; May 22.
- Belts, Attachment hook for safety. A. G. Ilch. 1,670,411; May 22.
- Belts or straps, Spring-connecting means for. J. P. Gordon. 1,688,962; Oct. 23.
- Bench: See—
- Wire-drawing bench. Woodworker's bench.
- Bench. L. G. Haase. Des. 74,504; Feb. 21.
- Bench. K. A. Munson. 1,673,757; June 12.
- Bench. F. Schwartz. Des. 76,900. Nov. 13.
- Bench. F. Schwartz. Des. 76,961; Nov. 20.
- Bench. R. Williams. Des. 74,851; Apr. 3.
- Benches, Attachment for work. G. E. W. Brown. 1,673,139; June 12.
- Bench leg. H. B. Hursh, C. J. Anderson, and W. M. Bartels. 1,678,392; July 24.
- Bench leg, Collapsible. G. F. Goding. 1,682,671; Aug. 28.
- Bench machine. O. C. Reeves. 1,689,685; Oct. 30.
- Bench standard. A. J. Miller. Des. 76,254; Sept. 4.
- Bending apparatus and producing bent strip material. G. F. Johnston. 1,656,003; Jan. 10.
- Bending machine. J. Y. Brown and J. R. Browning. 1,677,746; July 17.
- Bending machine. H. E. Frentzel. 1,676,215; July 3.
- Bending machine. T. J. Kelleher. 1,696,849; Dec. 25.
- Bending machine. J. W. Killingsworth. 1,696,850; Dec. 25.
- Bending machine. T. F. Philippi. 1,666,909; Apr. 24.
- Bending machine. F. J. Wermes. 1,676,173; July 3.
- Bending machine for bending plates or strips of sheet metal. H. C. Dreis. 1,694,585; Dec. 11.
- Bending machine, Metal-. J. E. Naudain. 1,675,126; June 26.
- Bending machine, Sheet-metal-. W. Bittner. 1,691,032; Nov. 13.
- Bending machines, Attachment for. R. L. Herman and G. F. Schmidt. 1,693,951; Dec. 4.
- Bending machines, Rolling attachment for. A. T. Yates. 1,673,477; June 12.
- Bending pipe or the like, Device for. J. H. Carey. 1,661,919; Mar. 6.
- Bending spring, Plumber's lead-pipe-. W. K. Mykins. 1,675,574; July 3.
- Bending steel sheets into spring leaves, Apparatus for. E. Elcoro. 1,670,245; May 15.
- Benzamine borate and making same. W. J. Pope. 1,692,696; Nov. 20.
- Benzamine borate, Manufacture of. W. J. Pope. 1,692,697; Nov. 20.
- Benzanthrone derivatives and producing the same. K. Zahn and W. Eckert. 1,674,351; June 19.
- Benzoates, Manufacture of. W. S. Calcott and H. W. Daudt. 1,692,927; Nov. 27.
- Benzoic acid salt of amino benzoic esters. H. Seydel. 1,690,705; Nov. 6.
- Benzol, petrole, and the like, Purification of. K. Cox and P. J. McDermott. 1,658,285; Feb. 7.
- Benzyl resorcinols. A. R. L. Dohme. 1,658,229; Feb. 7.
- Berries, especially Thompson seedless raisins, Processing of dried. T. W. W. Forrest. 1,654,799; Jan. 3.
- Berry box. F. G. Haas. 1,665,359; Apr. 10.
- Beryllium and aluminum oxides, Making. C. F. Brush, jr. 1,656,660; Jan. 17.
- Beryllium respectively for freeing metallic beryllium from impurities, Producing of technical pure. H. Fischer. 1,673,043; June 12.
- Bevel-edging machine. A. E. Maynard. 1,666,746; Apr. 17.
- Bevel-edging machine. W. L. Schultz. 1,659,964; Feb. 21.
- Bevel-gear generator. J. L. Perkins. 1,680,802; Aug. 14.
- Beveling and sealing clamp. T. P. Little. 1,687,340; Oct. 9.
- Beveling and sealing clamp. T. Midgley. 1,680,059; Aug. 7.
- Beveling machine. H. M. Eaton. 1,658,079; Feb. 7.
- Beveling machine. W. J. Knoll. 1,676,336; July 10.
- Beveling machine for strip material. E. S. Mix and J. R. Whitehouse. 1,692,755; Nov. 20.
- Beverage dispenser. H. J. McCue. 1,670,373; May 22.
- Beverage dispenser. H. P. Saugman. Des. 75,449; June 5.
- Beverage-dispensing apparatus. O. P. Doerr and W. Stolberg. 1,668,195; May 1.
- Beverage extracts, Making. L. Wallerstein. 1,673,273; June 12.
- Beverage shaker. C. Heinzen. 1,657,927; Jan. 31.
- Beverages, Making. L. Wallerstein. 1,673,274; June 12.
- Beverages rich in proteins, Making alcohol-reduced cereal. L. Wallerstein. 1,673,275; June 12.
- Bezel for nonbreakable crystals. W. E. Porter. 1,668,333; May 1.
- Bias cutter, Rotary. C. W. Steele. 1,687,598; Oct. 16.
- Bias-cutting machine. A. C. Bolton. 1,693,589; Dec. 4.
- Bicarbonates in solution, Preventing decomposition of. J. A. Shaw. 1,689,059; Oct. 23.
- Bicycle carriage. E. Kirch. 1,661,257; Mar. 6.
- Bicycle repair plate. E. F. Pawsat. 1,685,882; Oct. 2.
- Bicycle, Tandem. J. Kutarna. 1,687,218; Oct. 9.
- Bicycles and the like driven by oscillating pedal cranks, Hub for free-wheel. E. Cevolani. 1,659,766; Feb. 21.
- Ridet. M. Davidson. 1,659,725; Feb. 21.
- Bidet. E. Haslett. 1,655,864; Jan. 10.
- Bidet, Bid. B. Claus. 1,685,693; Sept. 25.
- Bike, Kick. R. A. Peacock. 1,685,614; Sept. 25.
- Bilge suction strainer for ships. H. A. W. Petersen. 1,690,700; Nov. 6.
- Billboard. M. C. Merker. 1,665,142; Apr. 3.
- Billet-surfacing machine. L. C. Reis. 1,669,264; May 8.
- Bill fold. C. L'Enfant. 1,680,687; Aug. 14.
- Bill fold and pass case, Combination. C. L'Enfant. 1,694,186; Dec. 4.
- Bill fold, cardcase, and key case, Combined. C. Lorber. 1,686,756; Oct. 9.
- Bill folder. B. Rolfs. 1,679,877; Aug. 7.
- Billiard cue. C. C. Bean. 1,664,971; Apr. 3.

- Billiard cue. R. B. Wolpert. 1,688,911; Oct. 23.
 Billiard-cue tip. W. H. Ford. 1,660,707; Feb. 28.
 Billiard-cue tip. T. W. and C. Guthrie. 1,677,282; July 17.
 Billiard-cue tip. J. A. Ruziska and D. L. Tapp. 1,661,966; Mar. 6.
 Billiard table. M. Kirin. 1,672,891; June 12.
 Billing device. J. L. Garfield. 1,694,647; Dec. 11.
 Billing machine, Power-driven. V. D. Mansfield. 1,695,769; Dec. 18.
 Bimetal element. H. Scott. 1,671,490; May 29.
 Bimetallic element. H. Scott. 1,665,935; Apr. 10.
 Bimetallic element. H. Scott. 1,671,491; May 29.
 Bin: See—
 Coffee bin. Dispensing bin.
 Counter bin. Storage bin.
 Bin gate. R. S. Moore. 1,666,908; Apr. 24.
 Bins, Construction in. A. H. Levene. 1,676,908; July 10.
 Binder. F. Berner. 1,685,901; Oct. 2.
 Binder. W. E. Greene. 1,668,402; May 1.
 Binder. W. J. H. King. 1,668,813; May 8.
 Binder. T. F. Leahy. 1,655,017; Jan. 3.
 Binder. E. W. Otto. 1,660,393; Feb. 28.
 Binder. R. M. Van Valkenburgh. 1,662,874; Mar. 20.
 Binder. G. P. Wigginton. 1,686,780; Oct. 9.
 Binder and making same, Loose-leaf. T. P. Hyland. 1,657,474; Jan. 31.
 Binder, Brick or tile veneer. S. C. Estill and J. A. Todd. 1,676,535; July 10.
 Binder, Container. J. H. Oppenheim. 1,669,625; May 15.
 Binder, Core. H. B. Hanley. 1,673,356-7; June 12.
 Binder, Corn. C. T. Sullivan. 1,684,561; Sept. 18.
 Binder device, Flat-fold. W. J. Wright and A. S. Whitehead. 1,691,537; Nov. 13.
 Binder elevator. J. N. Stout and E. Schlegel. 1,669,357; May 8.
 Binder, Flexible-post. J. L. McMillan and P. O. Unger. 1,686,219; Oct. 2.
 Binder for carbon paper. L. A. Phillips. 1,670,822; May 22.
 Binder for loose leaves. W. H. Smith. 1,691,257; Nov. 13.
 Binder for publications. W. A. Walker. 1,658,749; Feb. 7.
 Binder, French cord. W. J. Reagan. 1,695,977; Dec. 18.
 Binder, Grain. L. C. Scott and T. S. Wells. 1,659,168; Feb. 14.
 Binder, Joint. E. C. Glardon. 1,662,573; Mar. 13.
 Binder, Leaf. W. F. Warner, jr. 1,673,170; June 12.
 Binder, Loose-leaf. P. Baumer. 1,661,524; Mar. 6.
 Binder, Loose-leaf. H. R. Benstrup. 1,675,153; June 26.
 Binder, Loose-leaf. F. G. Bevans. 1,682,108; Aug. 28.
 Binder, Loose-leaf. H. D. Cottrell. 1,667,511; Apr. 24.
 Binder, Loose-leaf. F. H. Crump. 1,673,315; June 12.
 Binder, Loose-leaf. J. C. Dawson. 1,662,303; Mar. 13.
 Binder, Loose-leaf. J. C. Dawson. 1,675,301; June 26.
 Binder, Loose-leaf. F. A. Diestelkamp. 1,694,846; Dec. 11.
 Binder, Loose-leaf. C. A. Finley. 1,692,641; Nov. 20.
 Binder, Loose-leaf. C. C. Gruhler. 1,668,069; May 1.
 Binder, Loose-leaf. O. L. Hermann. 1,670,410; May 22.
 Binder, Loose-leaf. H. S. Horn. 1,683,975; Sept. 11.
 Binder, Loose-leaf. C. E. Johnson. 1,674,248; June 19.
 Binder, Loose-leaf. J. M. Jones and R. R. Webb. 1,672,569; June 5.
 Binder, Loose-leaf. A. J. Lloyd. 1,673,411; June 12.
 Binder, Loose-leaf. O. Loewenbach. 1,693,242; Nov. 27.
 Binder, Loose-leaf. J. L. McMillan. 1,684,373; Sept. 11.
 Binder, Loose-leaf. H. C. Miller. 1,667,978-9; May 1.
 Binder, Loose-leaf. W. A. Ringler. 1,658,419; Feb. 7.
 Binder, Loose-leaf. A. Rubin. 1,685,957; Oct. 2.
 Binder, Loose-leaf. F. C. Skiles. 1,667,744; May 1.
 Binder, Loose-leaf. J. G. Smart. 1,670,829; May 22.
 Binder, Loose-leaf. C. G. Van Buren. 1,690,317; Nov. 6.
 Binder, Loose-leaf. R. M. Van Valkenburgh. 1,673,851; June 19.
 Binder, Loose-leaf. W. Vennard. 1,675,394; July 3.
 Binder, Loose-leaf. R. F. Warner, jr. 1,693,684; Dec. 4.
 Binder, Loose-leaf. R. M. Watson. 1,670,130; May 15.
 Binder, Loose-leaf. V. A. Wirt. 1,663,430; Mar. 20.
 Binder, Loose-leaf. W. F. Wolf. 1,695,220; Dec. 11.
 Binder, Magazine. H. T. Arends. 1,688,514; Oct. 23.
 Binder, Magazine. M. W. J. D. and C. Federbush and D. J. and T. R. Baxter. 1,687,434; Oct. 9.
 Binder, Multiple-prong visible-loose-leaf. H. S. Jones. 1,669,940; May 15.
 Binder post. A. M. Barrett. 1,675,479; July 3.
 Binder post. H. T. Payne and F. R. Young. 1,690,456; Nov. 6.
 Binder, Power-drive grain. B. R. Benjamin, C. R. Raney, and W. Webber. 1,695,522; Dec. 18.
 Binder reel. C. W. Meyer. 1,673,052; June 12.
 Binder ring and making same, Temporary. J. C. Dawson. 1,675,299; June 26.
 Binder rings, Apparatus for making. J. C. Dawson. 1,675,300; June 26.
 Binder sheets and device for manipulating the same, Loose-leaf. H. Schoolberg. 1,682,193; Aug. 28.
 Binder, Temporary. A. J. Cardoza. 1,683,238; Sept. 4.
 Binder, Temporary. M. Meyerson. 1,690,871; Nov. 6.
 Binder, Visible-sheet. C. A. Cederleaf. 1,662,879; Mar. 20.
 Binders, Attachment for corn. H. F. Lyman. 1,686,284; Oct. 2.
 Binders, Attachment for self. M. L. Shute. 1,689,185; Oct. 23.
 Binding. M. Levine. 1,685,607; Sept. 25.
 Binding bar, Reversible. S. C. Awbrey. 1,675,313; June 26.
 Binding device. G. C. Ballou. 1,657,190; Jan. 24.
 Binding frame, Type-composition. A. Wilson. 1,666,674; Apr. 17.
 Binding machine. A. E. Cranston. 1,659,313; Feb. 14.
 Binding machine. J. J. Kluck. 1,680,888-9; Aug. 14.
 Binding machine, Rotary. J. M. Leaver, jr. 1,676,956; July 10.
 Binding machine, Sheet. L. Burdett. 1,694,055; Dec. 4.
 Binding material for cores, Method of and apparatus for preparing. W. B. Runyan. 1,688,661; Oct. 23.
 Binding of perforated loose sheets. J. E. Foulks. 1,659,318; Feb. 14.
 Binding post. A. H. Nero. 1,689,080; Oct. 23.
 Binding post. O. B. Norgren. 1,660,807; Feb. 28.
 Binding post. F. C. Wappler. 1,696,616; Dec. 25.
 Binding post, Electrical. C. H. Thomsen. 1,694,239; Dec. 4.
 Binding post, Spring. L. Caruso. 1,686,958; Oct. 9.
 Biological stains, bacteriocidal agents and the like, and preparing the same. R. W. French and W. C. Holmes. 1,661,568; Mar. 6.
 Bird cage. A. M. Kroczeck. 1,672,645; June 5.
 Bird cage. L. J. Leon. Des. 75,632; June 26.
 Bird cage. L. J. Leon. Des. 76,407; Sept. 25.
 Bird cage. L. J. Leon. 1,688,502; Oct. 23.
 Bird cage and aquarium, Combination. H. Solomon. Des. 75,663; June 26.
 Bird-cage hook. D. E. Priest. Des. 75,598; June 19.
 Bird-cage hook. D. E. Priest. 1,674,342; June 19.
 Bird-cage stands, Loop for. L. J. Leon. Des. 75,181; May 15.
 Bird house. E. S. Faulkner. Des. 75,618; June 26.
 Bird house. T. C. Kevitt. Des. 76,400; Sept. 25.
 Bird trap. J. M. Maxwell. 1,677,723; July 17.
 Biscuit-facing machine. W. H. Hungerford. 1,669,087; May 8.
 Biscuit-handling machine. F. G. Salerno. 1,667,692; Apr. 24.
 Biscuits and similar articles, Apparatus for stacking. H. A. Elfving. 1,685,354; Sept. 25.
 Bismuth tartrates and product produced thereby, Making. P. A. Kober. 1,663,201; Mar. 20.
 Bisulphate of soda and making the same, Globular. C. P. Linville and C. E. Mensing. 1,671,866; May 29.
 Bisulphite liquor, Apparatus for making. J. D. Jenssen. 1,684,494; Sept. 18.
 Bit: See—
 Bridle bit. Drilling bit.
 Core-drill bit. Rock bit.
 Disk bit. Roller bit.
 Disk-drill bit. Rotary bit.
 Disk eccentric bit. Well-drilling bit.
 Drill bit. Wood-boring bit.
 Bit. N. K. Bowman. 1,677,950; July 24.
 Bit. B. Travis. 1,656,025; Jan. 10.
 Bit adjusting and setting gauge. Planer-cylinder cutter. D. A. Sprinkle. 1,668,431; May 1.
 Bit brace. J. M. Welch. 1,656,967; Jan. 24.
 Bit for horses. T. Q. Prece. 1,678,532; July 24.
 Bits, Axle for multiple-drill-disk. C. S. Crickmer. 1,657,609; Jan. 31.
 Bits, Manufacturing. R. P. Carr. 1,674,318; June 19.
 Bitt. J. H. Clark. 1,694,312; Dec. 4.
 Bittel-handling machines, Pick-up and centering device for. S. Smith. 1,677,873-4; July 17.
 Bituminiferous material, Treatment of solid. W. H. Hampton. 1,668,898; May 8.
 Bituminous composition and making same. W. P. Bentley. 1,659,554; Feb. 14.
 Bituminous composition, Semiliquid. J. H. Amies. 1,682,589; Aug. 28.
 Bituminous product and making same. E. Hutzenlaub. 1,665,881; Apr. 10.
 Blackboard cleaner. T. W. Thompson. 1,688,672; Oct. 23.
 Blackboard hanger. G. G. Albert. 1,694,433; Dec. 11.
 Blade. W. P. Aron. 1,676,001; July 3.
 Blade construction. J. Daw. 1,694,410; Dec. 11.
 Blade construction for cloth shears, Ledger. C. G. Richardson. 1,686,499; Oct. 2.
 Blade, Cultivator. V. Daniels. 1,654,681; Jan. 3.
 Blade, Cultivator. E. Fowler and J. V. Lewis. 1,662,570; Mar. 13.
 Blade cutter. E. F. Raymond. 1,674,838; June 26.
 Blade, Drill. H. W. Pleister. 1,688,153; Oct. 16.
 Blade fastening. H. F. Cares. 1,673,935; June 19.
 Blade for scissors, Composite. I. Patrick. 1,696,323; Dec. 25.
 Blade for steam turbines, Runner. G. Menz. 1,678,263; July 24.
 Blade holder. H. J. Gaisman. 1,679,329; July 31.
 Blade holder. M. D. Hubbell. 1,668,077; May 1.
 Blade holder. C. E. Strickland. 1,667,061; Apr. 24.
 Blade lashing. D. C. Davis. 1,673,937; June 19.
 Blade or sod scraper, Cultivator. D. D. Low. 1,694,099; Dec. 4.
 Blade-roll cutter, Adjustable. E. T. Parsons. 1,668,819; May 8.
 Blade, Saw. E. Cheshire. 1,663,241; Mar. 20.
 Blade, Sheep-shear. M. W. McArdle. 1,669,420; May 15.

- Blade stropper casing, Safety-razor-. V. J. Mohler. Des. 74,516; Feb. 21.
- Blade wheel. A. Nydqvist. 1,664,895; Apr. 3.
- Blade wheel. E. Schneider. 1,681,500; Aug. 21.
- Blades to handles, Attaching. C. M. Chapman. 1,669,388; May 8.
- Blades to hoes, mattocks, or the like, Device for firmly attaching exchangeable. C. E. Rügeberg. 1,684,849; Sept. 18.
- Blading for reaction turbines. J. E. de Freudenreich. 1,673,554; June 12.
- Blank-bending machine. A. L. Young. 1,684,903; Sept. 18.
- Blank-cutting machine. R. G. Anderson. 1,691,795-6; Nov. 13.
- Blank feeder. H. S. Labombarde. 1,668,967; May 8.
- Blank-feeding device. J. G. Swab. 1,671,943; May 29.
- Blank-feeding mechanism. H. C. Hook. 1,672,259; June 5.
- Blank or similar article, Box. L. H. Gebhart. Des. 76,998; Nov. 27.
- Blanks from a sheet, Method and machine for making. H. K. Smith. 1,657,416; Jan. 24.
- Blanket, Baby. W. Kanter. 1,688,624; Oct. 23.
- Blanket. C. M. Bishop. Des. 75,352; May 29.
- Blanket. H. C. Whitman. 1,677,260; July 17.
- Blanket-napping machine. H. V. Prothers. 1,677,293; July 17.
- Blanket warmer. G. E. Blake. 1,659,719; Feb. 21.
- Blast furnace. W. P. Power. 1,664,832; Apr. 3.
- Blasting apparatus, Sand-. C. F. Motz. 1,679,369; Aug. 7.
- Bleacher, Portable. H. D. Oberdorfer. 1,677,362; July 17.
- Bleachery reel. J. J. Lyth. 1,680,387; Aug. 14.
- Bleaching animal and vegetable materials. A. O. Bragg. 1,662,951; Mar. 20.
- Bleaching composition. E. M. Jones. 1,677,283; July 17.
- Bleaching foodstuffs. W. B. Stoddard and V. R. Kokatnur. 1,687,805; Oct. 16.
- Bleaching, Process of and composition for. W. B. Stoddard and V. R. Kokatnur. 1,684,803-4; Oct. 16.
- Bleaching with hypochlorites. H. Wenzl. 1,657,140; Jan. 24.
- Blending and sifting device, Combined. W. G. Kirchhoff. 1,696,093; Dec. 18.
- Blending fibers, Method of and machine for. J. R. Stewart. 1,675,916; July 3.
- Blind and screen, Combination. J. W. Green. 1,681,534; Aug. 21.
- Blind appliance, Venetian-. A. C. Hough. 1,687,092; Oct. 9.
- Block: See—
- Baffle-slot block.
- Building block.
- Chock block.
- Concrete hanger block.
- Construction block.
- Crown block.
- Engraving block.
- Friction block.
- Hoisting block.
- Mailing block.
- Paving block.
- Picture block.
- Pulley block.
- Rail block.
- Re-railing block.
- Safety sheave block.
- Sheave block.
- Sheet-edge block.
- Shuttle threader block.
- Slit block.
- Snatch block.
- Spelling block.
- Surface block.
- Terminal block.
- Toy building block.
- Vehicle stay block.
- Wire-drawing block.
- Block and clamp, Meat. J. L. Pate. 1,671,445; May 29.
- Block and construction, Building. J. Eisenmann. Re17,137; Nov. 20.
- Block and tackle. A. B. Rutland. 1,670,215; May 15.
- Block and wall, Building. H. L. Strand. 1,696,818; Dec. 25.
- Block clamp, Wood-heel-. W. J. Shaw. 1,682,022; Aug. 28.
- Block for cement sewer pipes, Liner. R. M. Dallam. 1,683,025; Sept. 4.
- Block for electric wiring, Connecting. L. H. Rovere. 1,659,303; Feb. 14.
- Block-letter holder. H. J. Lotz. 1,668,918; May 8.
- Block machine, Concrete. B. F. Krehbiel. 1,677,480; July 17.
- Block machine. F. X. Muenzer. 1,690,422; Nov. 6.
- Block-making machine. D. F. Shope. 1,659,174; Feb. 14.
- Block-making machine. F. J. Straub. 1,669,682; May 15.
- Block material, Apparatus for storing and cutting. A. F. Pinkel and M. J. Brunner. 1,679,004; July 31.
- Block, slab, or the like for paving and other purposes. J. S. Cowper. 1,670,678; May 22.
- Blocking and cultivating device. F. Verjrosta. 1,663,065; Mar. 20.
- Blocking machine, Vegetable-. S. Donner. 1,654,640; Jan. 3.
- Blocks for composite walls, Nailing. P. Gustaveson. 1,658,407; Feb. 7.
- Blocks, Machine for and molding. C. Payne. 1,661,008; Feb. 28.
- Blocks, Making reenforced. L. W. Cafferata. 1,690,474; Nov. 6.
- Blocks, Manufacture of. C. Payne. 1,661,007; Feb. 28.
- Blood-pressure apparatus. C. E. Dressler. 1,690,671; Nov. 6.
- Bloom shears. J. Hahn. Re17,079; Sept. 11.
- Blotter, Desk. H. C. Schaper. 1,658,465; Feb. 7.
- Blotting device. M. E. Keig. 1,696,308; Dec. 25.
- Blotter, Roller. A. Hadi. 1,661,475; Mar. 6.
- Blouse. C. E. Oathout. 1,657,092; Jan. 24.
- Blouse, Sailor's dress. W. I. Clements. 1,694,206; Dec. 4.
- Blow and hue cleaner. J. H. Hobson. 1,681,478; Aug. 21.
- Blower. E. Hartmetz. 1,677,446; July 17.
- Blower. E. C. Hassler. 1,696,882; Dec. 25.
- Blower. G. B. Linderman, jr. 1,683,474; Sept. 4.
- Blower apparatus, Reversible. P. Faber. 1,680,775; Aug. 14.
- Blower for boilers, Soot. L. J. Bayer. 1,666,080; Apr. 17.
- Blower, Soot. L. J. Bayer, and F. A. Bayer. 1,681,165; Aug. 21.
- Blower unit. A. Feinberg and I. M. Halverson. 1,669,459; May 15.
- Blowing device. W. A. Smith. 1,656,540; Jan. 17.
- Blowing device. R. H. Wilhelm. 1,684,752; Sept. 18.
- Blowing machine for the manufacture of hats. E. Brecht and R. Fugmann. 1,679,851; Aug. 7.
- Blow-out device. C. W. Wyman. 1,678,205; July 24.
- Blow-out preventer. L. M. Crans. 1,679,962; Aug. 7.
- Blowtorch. W. W. Haslett. 1,692,734; Nov. 20.
- Blowtorch. B. Martin. 1,662,072; Mar. 13.
- Blowtorch. B. Martin. 1,667,429; Apr. 24.
- Blowtorch and fire pot. B. Martin. 1,656,745; Jan. 17.
- Blowtorch burner. C. Rueckert. 1,676,352; July 10.
- Board: See—
- Baseboard.
- Bowling game board.
- Bridge bidding board.
- Bulletin board.
- Card-playing board.
- Cloth board.
- Composite board.
- Cutting board.
- Display board.
- Drain board.
- Drainage board.
- Drawing board.
- Edge-covered board.
- Edge-protected board.
- Foundation board.
- Game board.
- Game-recording board.
- Golf driving board.
- Indicator board.
- Insulating board.
- Ironing board.
- Lath board.
- Moldboard.
- Panel board.
- Paper-hanger's board.
- Piano fall board.
- Plaster board.
- Press board.
- Report board.
- Running board.
- Score board.
- Scrubbing board.
- Service board.
- Shoveling board.
- Steam board.
- Type-composing board.
- Wall board.
- Whist board.
- Board and manufacturing the same, Pulp. H. T. Price. 1,696,896; Dec. 25.
- Board bolt, Running-. G. C. Davis. 1,680,015; Aug. 7.
- Board for truck bodies, Division. M. E. Bowstead. 1,686,433; Oct. 2.
- Board making, Apparatus for pulp-. H. T. Price. 1,661,678; Mar. 6.
- Board, Manufacture of fiber. R. A. Marr. 1,680,896; Aug. 14.
- Boards, Method and machine for delivering. A. E. Cranston. 1,674,319; June 19.
- Boards or sheets, Apparatus for making composition. G. H. Ellis. 1,672,249; June 5.
- Boat. L. P. Ferron. 1,658,080; Feb. 7.
- Boat. F. M. Henry. 1,675,606; July 3.
- Boat. W. A. Hickman. 1,670,622-3; May 22.
- Boat. W. A. Hickman. 1,681,542; Aug. 21.
- Boat. J. Mattinen. 1,655,472; Jan. 10.
- Boat. G. B. Post. 1,675,422; July 3.
- Boat. F. B. Roberts. 1,657,180; Jan. 24.
- Boat. L. R. Ruthenburg. 1,674,665; June 26.
- Boat. L. L. Tripp. Des. 76,647; Oct. 16.
- Boat. J. G. Vincent. 1,682,815; Sept. 4.
- Boat. C. L. Woods. 1,683,276; Sept. 4.
- Boat. J. H. Wright. Des. 75,673; June 26.
- Boat. Aerially-propelled speed. H. L. Brownback. 1,686,264; Oct. 2.
- Boat and trailer therefor, Folding. B. Bertram. 1,691,633; Nov. 13.
- Boat building. L. Roys. 1,679,630; Aug. 7.
- Boat, Collapsible. E. V. Langen. 1,690,936; Nov. 6.
- Boat, Collapsible. N. M. Rieger. 1,687,387; Oct. 9.
- Boat construction, Die-cast. L. Mediavilla. 1,667,561; Apr. 24.
- Boat, Fire-fighting. H. Y. Haden. 1,677,769; July 17.
- Boat, Folding trailer, W. I. Hallock. 1,692,208; Nov. 20.
- Boat, Hunting. C. C. Carmichael. 1,657,786; Jan. 31.
- Boat, Hunting. F. L. and J. Friet. 1,657,156; Jan. 24.
- Boat, Ice. P. Stone. 1,692,354; Nov. 20.
- Boat, Inflatable. J. F. Boyle. 1,686,366; Oct. 2.
- Boat, Inflatable and collapsible. F. Scheibert. 1,672,473; June 5.
- Boat, Knockdown. I. H. Diehl. 1,693,175; Nov. 27.
- Boat, Logging. E. B. Allen. 1,680,195; Aug. 7.
- Boat, Motor. H. Schmitt. 1,677,495; July 17.
- Boat or drag, Wooden. H. A. Drake. 1,665,449; Apr. 10.
- Boat or like water craft, Convertible skimming. P. H. van Wienen. 1,665,149; Apr. 3.
- Boat, Paddle. F. A. Lindstrom. 1,691,396; Nov. 13.
- Boat-propulsion means. C. L. Young and A. B. Robertson. 1,688,513; Oct. 23.
- Boat-propelling mechanism. O. J. Borgman. 1,693,590; Dec. 4.
- Boat-race indicator. J. H. Hammond, jr. 1,680,040; Aug. 7.
- Boat, Sectional. A. W. Triner. 1,661,314; Mar. 6.
- Boat, Sewer. S. W. jr. R. P., and B. D. McClave. 1,692,133; Nov. 20.
- Boat, Speed. F. C. Martin. Des. 76,623; Oct. 16.
- Boat stabilizer. W. H. Osten. 1,663,888; Mar. 27.

- Boat, Toy. L. Lyman. Des. 76,250; Sept. 4.
 Boat unloader. D. S. Munn. 1,681,742; Aug. 21.
 Boats, Drive for paddle-wheel. B. H. Kersting. 1,686,013; Oct. 2.
 Boats, Folding top for flying. P. G. Zimmermann and B. V. Korvin-Kroukovsky. 1,682,027; Aug. 28.
 Boats of the canoe and like type, Mold for. J. L. G. Dykes. 1,655,496; Jan. 10.
 Boats, Propelling. J. Y. Propst. 1,677,847; July 17.
 Boats, Propelling mechanism for. C. Carpio. 1,665,053; Apr. 3.
 Boats, Propelling system for. A. Goupil. 1,668,452; May 1.
 Boats, Retractable float for flying. V. J. Burnelli. 1,684,818; Sept. 18.
 Boats, Weather hood of. I. R. Fleming. 1,690,285; Nov. 6.
 Bobbin. J. Brandwood. 1,669,451; May 15.
 Bobbin case. C. H. Greenwood. 1,691,242; Nov. 13.
 Bobbin-cleaning attachment for filling-replenishing looms. G. H. Willard. 1,657,426; Jan. 24.
 Bobbin, Extruded depolarizing. A. J. Briggs. 1,671,401; May 29.
 Bobbin-handling machine. D. R. Alderman. 1,667,762; May 1.
 Bobbin skewer. H. D. Colman. 1,678,806; July 31.
 Bobbin, Steam. J. F. Bray. 1,654,525; Jan. 3.
 Bobbin-stripper trap. J. J. Henderson and H. C. Deering. 1,661,724; Mar. 6.
 Bobbin support. L. B. Hasbrouck. 1,692,441; Nov. 20.
 Bobbin trimming and cleaning machine. S. L. Casella. 1,695,681; Dec. 18.
 Bobbin winder. F. E. Harding. 1,663,594; Mar. 27.
 Bobbins, spools, or the like, Manufacture of. C. W. Palmer. 1,694,428; Dec. 11.
 Bodice, Bust. R. L. Kennedy. 1,681,119; Aug. 14.
 Bodicette, Evening-dress. A. H. Robers. 1,656,649; Jan. 17.
 Body and chassis construction for motor vehicles. L. U. McAbee. 1,684,677; Sept. 18.
 Body brace. E. Branson. 1,678,584; July 24.
 Body construction. J. H. Bourgon. 1,692,543; Nov. 20.
 Body construction. P. E. Breneman. 1,669,370; May 8.
 Body construction. P. E. Breneman. 1,676,599; July 10.
 Body formed of separate fibers. H. B. Lindsay. 1,679,251; July 31.
 Body-forming machine. P. H. Lange. 1,661,569; Mar. 6.
 Body plate. B. Newland. Des. 76,627-8; Oct. 16.
 Body protector. S. Cline. 1,670,239; May 15.
 Body support and cross tie. E. J. Hall and H. Walker. 1,672,121; June 5.
 Bogie for railway cars and the like. L. G. H. Helmstein. 1,689,921; Oct. 30.
 Boiler: See—
 Cement dump boiler. Locomotive boiler.
 Economizer boiler. Pressure boiler.
 Egg boiler. Semiflash boiler.
 Fire-tube boiler. Steam boiler.
 Flash boiler. Superheater boiler.
 Gas boiler. Vehicle boiler.
 Gas-fired boiler. Wash boiler.
 Ham boiler. Waste-heat boiler.
 Heating boiler. Water-tube boiler.
 Kitchen boiler.
 Boiler. R. J. Adams. 1,663,034; Mar. 20.
 Boiler. J. H. Baker. 1,680,931; Aug. 14.
 Boiler. S. L. Blocher. 1,669,321; May 8.
 Boiler. C. B. Boynton. 1,664,914; Apr. 3.
 Boiler. C. A. W. Brandt. 1,680,127; Aug. 7.
 Boiler. J. T. Bunting. 1,655,046; Jan. 3.
 Boiler. A. Gossé. 1,672,455; June 5.
 Boiler. F. B. Howell. 1,687,160; Oct. 9.
 Boiler. F. B. Howell. 1,692,122; Nov. 20.
 Boiler. G. T. Ladd. 1,666,659; Apr. 17.
 Boiler. G. Lasker. 1,672,617; June 5.
 Boiler. J. C. Martin, jr. 1,663,806; Mar. 27.
 Boiler. A. C. McNulty. 1,674,442; June 19.
 Boiler. N. O. Mero. 1,668,021; May 1.
 Boiler. A. M. Mertzanoff. 1,683,836-7; Sept. 11.
 Boiler. A. M. Mertzanoff. 1,687,172; Oct. 9.
 Boiler. T. E. Murray. 1,683,046; Sept. 4.
 Boiler. C. E. Oldacre. 1,671,651; May 29.
 Boiler. W. W. Smith. 1,685,962; Oct. 2.
 Boiler. F. J. Vaux. 1,671,848; May 29.
 Boiler. G. L. Weller. 1,666,276; Apr. 17.
 Boiler and heating device, Combined. L. Courtot. 1,679,406; Aug. 7.
 Boiler and operating the same, Electric steam. N. J. Neall and R. W. Chadbourn. 1,688,201; Oct. 16.
 Boiler and setting, Steam. C. G. Hawley. 1,655,057; Jan. 3.
 Boiler apparatus, Electric. G. Welter. 1,667,758; May 1.
 Boiler attachment. J. H. Stockholder. 1,664,230; Mar. 27.
 Boiler bottom. W. J. Burroughes. 1,676,320; July 10.
 Boiler-chipping device. F. F. Dockstader. 1,673,067; June 12.
 Boiler circulator. P. G. Kaiser. 1,671,371; May 29.
 Boiler cleaner. H. C. Heaton. 1,664,859; Apr. 3.
 Boiler cleaner. H. C. Heaton. 1,682,278; Aug. 28.
 Boiler cleaner. I. L. Kemp. 1,663,273; Mar. 20.
 Boiler cleaner. A. G. Mattsson. 1,666,905; Apr. 24.
 Boiler cleaner. G. I. Rawson. 1,673,158; June 12.
 Boiler cleaner. G. A. Scott. 1,669,349; May 8.
 Boiler cleaner. N. L. Snow. 1,664,865; Apr. 3.
 Boiler composition and making same. H. Karplus and W. Bachmann. 1,679,037; July 31.
 Boiler compound. W. M. Neeley. 1,667,670; Apr. 24.
 Boiler construction. G. A. Collins. 1,654,791; Jan. 3.
 Boiler construction. M. O'Donnell. 1,675,194; June 26.
 Boiler construction. F. D. Schneider and H. J. Long. 1,665,608; Apr. 10.
 Boiler construction. W. R. Stockwell. 1,671,135; May 29.
 Boiler construction. R. E. White. 1,685,388; Sept. 25.
 Boiler construction, Steam-. J. G. Will. 1,686,056; Oct. 2.
 Boiler drums, Producing sectional. G. Lasker. 1,689,789; Oct. 30.
 Boiler-feed device. L. D. Goff. 1,672,610; June 5.
 Boiler-feed regulation. M. G. Benjamin. 1,659,552; Feb. 14.
 Boiler-feed-water-regulating apparatus. C. H. Smoot. 1,674,456; June 19.
 Boiler fire box. J. T. Anthony. 1,665,339; Apr. 10.
 Boiler fitting. S. H. Winn. 1,689,575; Oct. 30.
 Boiler for locomotives, High-pressure steam. J. Buchli. 1,686,893; Oct. 9.
 Boiler for low pressure steam heating, Panel. L. Courtot. 1,673,901; June 19.
 Boiler for stills. E. V. Oliver. 1,677,795; July 17.
 Boiler for utilizing fine coal. J. Pollock. 1,684,201; Sept. 11.
 Boiler furnace. N. Bédard. 1,669,594; May 15.
 Boiler furnace. W. A. Jones. 1,680,945; Aug. 14.
 Boiler furnace. E. A. Packard. 1,691,934; Nov. 20.
 Boiler furnace. C. Schillinger. 1,678,827; July 31.
 Boiler furnace. H. Seidl. 1,657,845; Jan. 31.
 Boiler grate and the like. A. H. Kemper and W. H. Durkin. 1,693,339; Nov. 27.
 Boiler-pipe cleaner. L. Rockelman. 1,690,434; Nov. 6.
 Boiler soot cleaner. T. M. Bruback. 1,688,482; Oct. 23.
 Boiler soot cleaner. F. W. Linaker and T. M. Bruback. 1,663,851; Mar. 27.
 Boiler: See—
 Steam boiler.
 Boiler stand. C. F. Cole. 1,694,000; Dec. 4.
 Boiler structure with pulverized coal-burning furnace. G. Cantieny. 1,691,918; Nov. 20.
 Boiler superheater. R. M. Ostermann. 1,679,585; Aug. 7.
 Boiler system. B. Schroeder and C. U. Savoye. 1,674,024; June 19.
 Boiler system, Waste-heat. H. B. Smith. 1,687,740; Oct. 16.
 Boiler-tube cleaner. P. Ruck and M. Schutz. 1,667,169; Apr. 24.
 Boiler-tube-flowing device. J. N. Quinn. 1,693,181; Nov. 27.
 Boiler washer. S. Radway. 1,694,346; Dec. 4.
 Boiler washing and refilling device. M. Downer. 1,680,772; Aug. 14.
 Boilers and boiler feed water, Apparatus for treating. R. E. Coughlan. 1,676,134; July 3.
 Boilers, Ash hopper for. R. H. Beaumont. 1,666,768; Apr. 17.
 Boilers, Attachment for. R. E. Garvey. 1,672,252; June 5.
 Boilers, Cleaner for steam. A. Richardson. 1,656,796; Jan. 17.
 Boilers, Economizer for water-tube. H. E. Yarrow. 1,676,126; July 3.
 Boilers, Low-water alarm for. F. E. Snyder. 1,661,054; Feb. 28.
 Boilers, Making. R. W. Birchfield. 1,677,033; July 17.
 Boilers of the locomotive type, Radiant-heat superheater for. W. F. Keenan, jr. 1,662,460; Mar. 13.
 Boilers, Preheater attachment for. L. O. Garraway. 1,686,445; Oct. 2.
 Boilers, Skimmer inlet for. L. G. Chase. 1,672,872; June 12.
 Boilers, Soot-blower apparatus for steam. C. L. Davidson. 1,677,751; July 17.
 Boilers, stay bolt for. E. I. Dodds. 1,663,336; Mar. 20.
 Boilers, Supporting iron plate for. S. C. Markatos. 1,678,295; July 24.
 Boilers, Triple preheater for. L. O. Garraway. 1,686,444; Oct. 2.
 Boilers, Water-feed-control system for. I. E. Smith. 1,667,057; Apr. 24.
 Boilers, Water-level control for. A. D. Baker. 1,659,558; Feb. 21.
 Boilers, Water regulator for steam and hot water. J. A. Beuchat. 1,657,709; Jan. 31.
 Boiling or raising the temperature of water and other liquids, Apparatus for. C. F. Hammond and W. Shackleton. 1,675,347; July 3.
 Boll-breaking and cotton-separating machine. J. E. Mitchell. 1,694,480; Dec. 11.
 Boll-weevil collector. C. H. Snow. 1,660,849; Feb. 28.
 Boll-weevil destroyer. C. A. Heilmann. 1,665,960; Apr. 10.
 Bolster. F. E. Arndt. 1,684,302; Sept. 11.
 Bolster for railway cars. P. R. Drenning. 1,670,143; May 15.
 Bolster spring-suspension mechanism. T. Elliott. 1,659,089; Feb. 14.
 Bolster support. C. Wagner. 1,673,652; June 12.
 Bolster with absorption mechanism. P. R. Drenning. 1,695,456; Dec. 18.

- Bolt: See—
Board bolt.
Panic bolt.
Spring bolt.
- Bolt. M. A. Comeau. 1,665,875; Apr. 10.
Bolt. S. L. Wilson. 1,675,777; July 3.
Bolt and nut assembly. R. N. Allen. 1,671,757; May 29.
Bolt and nut lock, Combined. F. L. Sarazin. 1,666,608; Apr. 17.
Bolt and nut, Tight-holding. H. L. Dardelet. 1,657,244; Jan. 24.
Bolt and rod cutter. O. B. Pickett. 1,694,561; Dec. 11.
Bolt and screw clip. J. H. Fahey. 1,660,262; Feb. 21.
Bolt device, Fitting-up. E. S. Klausner. 1,694,326; Dec. 4.
Bolt for automobiles, Pivot. A. G. Bush. 1,694,681; Dec. 11.
Bolt for use in conjunction with existing door locks. A. J. Tozer. 1,661,584; Mar. 6.
Bolt guide. S. W. Parsons. 1,666,751; Apr. 17.
Bolt head. H. G. Francis. 1,664,207; Mar. 27.
Bolt holder. J. Dobson. 1,663,369; Mar. 20.
Bolt-hole gauge, Feeling-. K. Lauer. 1,658,994; Feb. 14.
Bolt lock, Expandable. F. J. Dowling. 1,660,325; Feb. 28.
Bolt mechanism. C. F. Meilink. 1,660,516; Feb. 28.
Bolt-operating means, Emergency-. C. Y. Hopkins. 1,691,655; Nov. 13.
Bolt work for safes and the like. F. J. Bremer. 1,675,155; June 26.
Bolted connection for bedstead-corner locks. F. Kusterle. 1,675,564; July 3.
Bolter for carbon black, etc. W. S. Hoskins. 1,691,572; Nov. 13.
Boltless dead-end clamp. G. H. Aldrich. 1,670,333; May 22.
Bolts and the like, Feeding device for. H. and W. A. Crehan. 1,660,417; Feb. 28.
Bolts, Device for facilitating the removal of shackle. H. J. Sloan. 1,669,352; May 8.
Bolts, Heat treating and heading. C. A. Hoag. 1,655,956; Jan. 10.
Bomb or flare, Illuminating aero. S. Wiley. 1,683,940; Sept. 11.
Bomb sight. G. Gardner. 1,664,409; Apr. 3.
Bombs and for rendering their fuses active, Discharging. B. Pantofieck. 1,681,007; Aug. 14.
Bond, Rail. H. H. Febrey. 1,688,696; Oct. 23.
Bonding together surfaces with rubber compositions. E. Hopkinson. 1,657,472; Jan. 31.
Bone set. L. W. H. Schimpf. 1,660,015; Feb. 21.
Bone shaping and threading device. H. Dennis. 1,655,943; Jan. 10.
Bone shaping or threading device. K. Stoye. 1,655,922; Jan. 10.
Boning for flexible materials. M. Von Halle. 1,682,361; Aug. 28.
Book. J. A. Dykeman. 1,678,673; July 31.
Book. H. J. Friedman. 1,672,608; June 5.
Book. E. E. Price. 1,693,865; Dec. 4.
Book, Adjustable reference. W. A. Gordon, J. J. Murphy, and P. Perrone. 1,695,328; Dec. 18.
Book and assembly, King. G. W. Newman. 1,675,509; July 3.
Bookbinding and producing the same. R. C. Baker. 1,665,049; Apr. 3.
Book carrier. I. Sidon. 1,679,183; July 31.
Bookcase and desk cabinet or similar article, Combination. E. C. M. Dickey. Des. 76,783; Nov. 6.
Book-casing-in machine. J. J. Burke. 1,661,596; Mar. 6.
Book clamp, Check. J. C. Buechler. 1,678,055; July 24.
Book cloth and composition therefor, Coated. H. V. Dunham. 1,671,856; May 29.
Book-corner protector. J. Moskowit. 1,676,741; July 10.
Book cover. F. L. Davis. Des. 74,664; Mar. 13.
Book-display device, Automatic rotary. M. V. Ventrella. 1,666,274; Apr. 17.
Book, Duplicating record. E. Z. Lewis. 1,681,296; Aug. 21.
Book end. A. B. Andersen. Des. 76,113; Aug. 21.
Book end. A. L. Jack. Des. 76,020; Aug. 14.
Book end. D. H. Onen. Des. 75,639; June 26.
Book end. W. D. Redrup. Des. 75,648-9; June 26.
Book end. W. G. Shutter. Des. 75,391; May 29.
Book end. H. L. Steeb. Des. 75,753; July 10.
Book end or similar article. T. S. Woodward. Des. 74,707; Mar. 13.
Book end or similar article. T. S. Woodward. Des. 74,955; Apr. 17.
Book end section. S. Smith. 1,688,667; Oct. 23.
Book hanger and advertising medium, Combined. E. E. O'Connor. 1,680,302; Aug. 14.
Bookholder. C. H. Bartlett. 1,657,343; Jan. 24.
Bookholder. W. V. Johnson. 1,695,767; Dec. 18.
Bookholder. V. M. Keese. 1,670,891; May 22.
Bookholder. E. R. Lundius. 1,674,975; June 26.
Bookholder. W. W. Spencer. 1,675,621; July 3.
Bookholder. J. D. Walker. 1,666,803; Apr. 17.
Bookholder. J. Wheeler. 1,674,582; June 19.
Bookholder, Adjustable. R. W. Banks. 1,682,060; Aug. 28.
Bookholder and pocketbook, Combined. W. F. Wolf. Des. 75,202; May 22.
Booking core machine. A. Lenz. 1,679,982; Aug. 7.
Bookkeeping appliance. D. B. Card and H. Barnes. 1,669,809; May 15.
- Bookkeeping machine. A. Smith. 1,685,685; Sept. 25.
Booklet. M. A. Berns. 1,695,315; Dec. 18.
Book, Loose-leaf. C. A. Finley. 1,673,670; June 12.
Book, Loose-leaf. D. S. McChesney. 1,689,401; Oct. 30.
Book, Loose-leaf. G. J. Netter, sr. 1,673,842; June 19.
Book-making machine, Blank-. F. Renz. 1,676,112; July 3.
Book, Manifolding. J. W. Anderson. 1,681,159; Aug. 21.
Book, Manifolding. E. K. Bottle. 1,673,809; June 12.
Book, Manifolding sales. E. K. Bottle. 1,680,933; Aug. 14.
Book, Manifolding sales. E. K. Bottle. 1,691,914; Nov. 20.
Bookmark. C. S. Catherman. 1,672,113; June 5.
Bookmark. G. L. Jackson. 1,663,307; Mar. 20.
Book-match machine. L. Greenbaum, E. Van Hoofstadt, and C. Gustavson. 1,694,505; Dec. 11.
Book protector and marker, Combined. C. L. Hendricks. 1,661,070; Feb. 28.
Bookrack. C. L. Ames. 1,663,432; Mar. 20.
Bookrack. E. C. Henderson. 1,691,191; Nov. 13.
Bookrest. B. E. Dahlgren. Des. 77,224; Dec. 18.
Book rest. B. Shaw. 1,657,321; Jan. 24.
Book rest. F. D. Sholin. 1,667,171; Apr. 24.
Book, Sales. E. K. Bottle. 1,672,838; June 5.
Book, Sectional-page loose-leaf. L. Cohen. 1,672,880; June 12.
Books, Art of and machine for assembling. C. A. Juengst. 1,688,970; Oct. 23.
Books, Binding. J. A. Davis. 1,658,518; Feb. 7.
Bookstand. W. E. Haskin. 1,687,443-4; Oct. 9.
Book strap. H. C. Keeler. 1,663,708; Mar. 27.
Books, Supplemental leaf-attaching device for. B. J. Reese. 1,665,641; Apr. 10.
Book support. F. J. Ebel. 1,654,868; Jan. 3.
Book support. J. W. Hine. 1,675,269; June 26.
Book wrapper. P. J. Massey. 1,670,371; May 22.
Boom, Hand-reefing. C. Andrade, jr. 1,664,013; Mar. 27.
Booster plate for automobile radiator ornament or similar articles. G. P. Turner and H. U. Huff. Des. 76,364; Sept. 18.
Boot and making the same, Slide-fastener. F. H. Martin and L. H. L'Hollier. 1,670,468; May 22.
Boot and shoe. A. Burton and A. C. York. 1,653,630; Feb. 7.
Boot and shoe. L. S. Macdonald and J. E. Small. 1,678,739; July 31.
Boot and shoe and making the same. S. R. Blakely. 1,693,542; Nov. 27.
Boot and shoe, composite sole therefor, and manufacturing same. B. F. Hartwell. 1,669,901; May 15.
Boot and shoe, Sport. K. S. Nettheim. 1,675,905; July 3.
Boot and shoe stiffener. H. M. Eaton. 1,681,327; Aug. 21.
Bootee. J. Meltzer. Des. 76,253; Sept. 4.
Boot, Hockey. P. Scroggins. 1,663,221; Mar. 20.
Bootleg. F. C. and H. B. Lavarack. 1,665,629; Apr. 10.
Boot or shoe. W. L. Hill. 1,683,465; Sept. 4.
Boot or shoe and manufacturing same. F. M. Bohr. 1,695,225; Dec. 11.
Boot tree. M. Sherman. 1,668,219; May 1.
Boot-tree or last. W. S. Ashton. 1,679,016; July 31.
Boot-tree or last. C. Soderlund. 1,679,330; July 31.
Boots and shoes, Machine for operating on the soles of. W. J. MacLean. 1,659,147; Feb. 14.
Boots and shoes, Making. A. W. Donovan. 1,680,670; Aug. 14.
Boots and shoes, Making. B. W. Freeman. 1,675,295; June 26.
Boots and shoes, Making. W. Saklad. 1,685,827; Oct. 2.
Boots and shoes, Making. P. C. Wolfer. 1,693,535; Nov. 27.
Boots and shoes, Manufacturing. A. E. C. Hall. 1,667,781; May 1.
Boots or shoes, Making. A. J. Brauer, F. P. Wagner, and W. S. Overton. 1,661,321; Mar. 6.
Booth, Advertising. S. G. Webb. Des. 75,668; June 26.
Booth construction. W. S. Kapnek. 1,694,920; Dec. 11.
Booth, Knockdown refreshment. A. W. Eichman. 1,692,252; Nov. 20.
Booth, Paint-spray. E. H. Nelson and E. F. Tingwall. 1,682,407; Aug. 28.
Booth, Refreshment. F. R. Merrill. Des. 75,506; June 12.
Booth, Selling. A. W. Tandy. Des. 76,270; Sept. 4.
Borax from $\text{Na}_2\text{O} \cdot 2\text{B}_2\text{O}_3 \cdot 4\text{H}_2\text{O}$. Production of commercial. T. M. Cramer. 1,678,381; July 24.
Borax from rasorite by a wet method, Production of commercial. T. M. Cramer. 1,685,214; Sept. 25.
Bore and producing same, Precision. H. Kuckuck. 1,695,017; Dec. 11.
Bore-hole apparatus. T. Zaluski. 1,668,034; May 1.
Boring and facing machine, Car-wheel. L. C. Cole. 1,685,417; Sept. 25.
Boring bar. F. J. Black. 1,668,351; May 1.
Boring bar. J. Magin. 1,659,370; Feb. 14.
Boring bar. H. H. Manning. 1,684,772; Sept. 18.
Boring bar. A. C. Wenak. 1,686,428; Oct. 2.
Boring device, Hydraulic. W. S. Malloy and R. J. Lyman. 1,659,826; Feb. 21.
Boring drill. Earth. C. E. Reed. 1,692,793; Nov. 20.
Boring head. O. Severson. 1,660,361; Feb. 28.
Boring machine. J. Coulter. 1,673,398; June 12.
Boring machine. S. Wagner. 1,693,971; Dec. 4.
Boring machine, Earth-. G. Genung. 1,663,833; Mar. 27.
Boring machine, Earth. F. Stone. 1,678,307; July 24.

- Boring machine, Portable. H. S. Brown. 1,674,189; June 19.
- Boring machines, Handpiece for tooth-. M. Bauer. 1,675,873; July 3.
- Boring mechanism. W. A. Jennings. 1,674,863; June 26.
- Boring mill, Vertical. F. S. Jones. 1,670,772; May 22.
- Boring wells and the like, Apparatus for. M. A. Capeluschnicoff. 1,681,094; Aug. 14.
- Boron compounds, Mining. H. Blumenberg, jr. 1,696,075; Dec. 18.
- Borosilicate glass, Heat-resistant. L. Hochstein. 1,676,331; July 10.
- Bottle. F. Aichinger and J. L. Kopacka. Des. 76,731; Oct. 30.
- Bottle. S. K. Applebaum. Des. 76,976; Nov. 27.
- Bottle. M. Babani. Des. 74,469; Feb. 21.
- Bottle. J. P. Curran. Des. 76,990; Nov. 27.
- Bottle. B. d'Escayrac. Des. 76,291; Sept. 11.
- Bottle. F. J. de S. Coty. Des. 76,180; Aug. 28.
- Bottle. H. A. Dupiech. Des. 75,903; July 31.
- Bottle. B. Edmiston and H. T. Kinney. Des. 77,081; Dec. 4.
- Bottle. W. D. Edwards. Des. 76,129-30; Aug. 21.
- Bottle. P. L. Frailey. Des. 74,732; Mar. 20.
- Bottle. P. A. Ginter. Des. 74,300; Jan. 24.
- Bottle. P. A. Ginter. Des. 74,499-502; Feb. 21.
- Bottle. P. A. Ginter. Des. 74,601; Mar. 6.
- Bottle. P. A. Ginter. Des. 75,160; May 15.
- Bottle. P. A. Ginter. Des. 75,787-9; July 17.
- Bottle. P. A. Ginter. Des. 76,231-2; Sept. 4.
- Bottle. R. Haley. Des. 74,883; Apr. 10.
- Bottle. L. Halk. Des. 74,602; Mar. 6.
- Bottle. L. Halk. Des. 76,133; Aug. 21.
- Bottle. D. Hally-Smith. Des. 74,436; Feb. 14.
- Bottle. G. L. Hendery. Des. 75,622; June 26.
- Bottle. C. J. Howel. Des. 74,437; Feb. 14.
- Bottle. L. M. Jasper. Des. 75,426; June 5.
- Bottle. F. Javal. Des. 76,138; Aug. 21.
- Bottle. J. M. Jester. Des. 75,499; June 12.
- Bottle. P. E. Kekenes. Des. 76,022; Aug. 14.
- Bottle. J. Kleis. Des. 76,544; Oct. 9.
- Bottle. L. B. Koch. Des. 77,103; Dec. 4.
- Bottle. L. Lelong. Des. 75,852; July 24.
- Bottle. M. Licht and L. D. Licht. Des. 74,311; Jan. 24.
- Bottle. R. Liddell. Des. 76,142; Aug. 21.
- Bottle. J. H. Love. Des. 76,350; Sept. 18.
- Bottle. G. N. Mas. Des. 74,690-1; Mar. 13.
- Bottle. G. N. Mas. Des. 75,379; May 29.
- Bottle. G. N. Mas. Des. 75,504; June 12.
- Bottle. G. N. Mas. Des. 75,741; July 10.
- Bottle. G. N. Mas. Des. 76,147; Aug. 21.
- Bottle. G. N. Mas. Des. 76,819; Nov. 6.
- Bottle. G. N. Mas and F. K. Lubonia. Des. 75,854; July 24.
- Bottle. F. R. Miller. Des. 76,032; Aug. 14.
- Bottle. I. Miller, E. Becker, and S. Eichenbaum. Des. 74,185; Jan. 3.
- Bottle. J. Morrison. 1,688,396; Oct. 23.
- Bottle. H. Newman. Des. 77,326; Dec. 25.
- Bottle. J. Petry. 1,687,689; Oct. 16.
- Bottle. R. Preston. Des. 74,320; Jan. 24.
- Bottle. R. R. Quackenbush. 1,689,442; Feb. 14.
- Bottle. C. J. Root. Des. 74,274; Jan. 17.
- Bottle. W. R. Root. Des. 75,448; June 5.
- Bottle. I. A. Stein. Des. 75,453; June 5.
- Bottle. J. Suarez, jr. Des. 74,459; Feb. 14.
- Bottle. J. R. Swindell. Des. 74,244; Jan. 10.
- Bottle. B. E. Taylor. Des. 74,200; Jan. 3.
- Bottle. L. G. Taylor. Des. 75,533; June 12.
- Bottle. W. A. Weyer. Des. 75,313; May 22.
- Bottle-advancing mechanism. F. E. Maw. 1,679,939; Aug. 7.
- Bottle and cap, Perfume. P. A. Reutter. 1,666,541; Apr. 17.
- Bottle and closure. E. E. McGill. 1,688,198; Oct. 16.
- Bottle and closure therefor. W. H. Perry. 1,664,756; Apr. 3.
- Bottle and pan washer. M. De Martelaere. 1,657,527; Jan. 31.
- Bottle and syringe, Irrigating. H. Singer. 1,668,986; May 8.
- Bottle and the like, Nursing. R. G. A. Beck. 1,668,227; May 1.
- Bottle, Bath-salt. T. J. Lewis. Des. 74,795; Mar. 27.
- Bottle cap. L. R. N. Carvalho. 1,686,514; Oct. 9.
- Bottle cap. H. F. Deny. 1,671,015; May 22.
- Bottle cap. A. J. Emery. 1,655,314; Jan. 3.
- Bottle cap. D. Genese. 1,690,781; Nov. 6.
- Bottle cap. W. Glass. 1,694,851; Dec. 11.
- Bottle cap. F. V. Lindsey. 1,667,862; May 1.
- Bottle cap. J. C. Miles. 1,692,183; Nov. 20.
- Bottle cap. H. Spengler. 1,685,887; Oct. 2.
- Bottle cap. R. N. Stewart. 1,683,313; Sept. 4.
- Bottle cap. W. G. J. Thompson. 1,681,828; Aug. 21.
- Bottle cap. J. Triska. 1,693,830; Dec. 4.
- Bottle cap. R. W. von Sydow. 1,696,742; Dec. 25.
- Bottle cap. A. H. Warth. 1,657,772; Jan. 31.
- Bottle cap. A. Westlake. 1,686,356; Oct. 2.
- Bottle cap and dispensing straw. F. Rosenthal. 1,680,341; Aug. 14.
- Bottle cap and fastener. B. R. Mediati. 1,676,998; July 10.
- Bottle-cap-assembling machine. C. E. McManus. 1,662,862; Mar. 20.
- Bottle-cap machine. H. L. Compton. 1,659,516; Feb. 14.
- Bottle cap, Milk-. O. Ehmman. 1,675,170; June 26.
- Bottle cap, Milk-. J. E. Johnson. 1,693,787; Dec. 4.
- Bottle cap, Milk-. G. L. Swift. 1,677,155; July 17.
- Bottle-cap opener. R. Sato. 1,658,396; Feb. 7.
- Bottle capper. H. G. Rice. 1,689,298; Oct. 30.
- Bottle-cap piercer. W. J. Packer. 1,689,047; Oct. 23.
- Bottle-cap receiver. J. H. McDonald. 1,684,285; Sept. 11.
- Bottle-cap remover. W. Waskewicz. 1,661,981; Mar. 6.
- Bottle-cap remover and holder. G. M. Sacerdote. 1,664,047; Mar. 27.
- Bottle-cap remover, Milk-. S. W. Simon. 1,662,941; Mar. 20.
- Bottle-capping machine. C. A. Alexanderson. 1,671,804; May 29.
- Bottle-capping machine. L. A. Arnstein. 1,661,401; Mar. 6.
- Bottle-capping machine. S. L. Goldman. 1,691,652; Nov. 13.
- Bottle-capping machine. H. R. Sieverkropp. 1,655,848; Jan. 10.
- Bottle-capping machine, Straight-line. A. I. Risser. 1,673,091; June 12.
- Bottle-capping machines, Attachment for. A. M. Seale. 1,669,726; May 15.
- Bottle caps, Device for gripping and removing milk-. D. McPhee. 1,669,008; May 8.
- Bottle carrier. J. C. Silvers. 1,659,122; Feb. 14.
- Bottle-carrying device. J. E. Robinson. 1,691,254; Nov. 13.
- Bottle cleaner. W. A. Dovaston. 1,656,975; Jan. 24.
- Bottle closure. L. R. N. Carvalho. 1,674,616; June 19.
- Bottle closure. H. DeWallace. 1,662,239; Mar. 13.
- Bottle closure. H. DeWallace. 1,681,976; Aug. 28.
- Bottle closure. W. P. Henry. 1,670,451; May 22.
- Bottle closure. F. Maier. 1,661,126; Feb. 28.
- Bottle closure. F. K. Plympton. 1,657,409; Jan. 24.
- Bottle closure. O. N. Teverand. 1,695,301; Dec. 18.
- Bottle closure and applying same, Milk-. D. G. Magill. 1,664,635; Apr. 3.
- Bottle closure, Milk-. D. H. Kane. 1,695,190; Dec. 11.
- Bottle closures, Transferring machine for. J. A. Johnson. 1,662,271; Mar. 13.
- Bottle cooler. J. Samuels. 1,689,054; Oct. 23.
- Bottle cooler. H. B. Williams. 1,693,995; Dec. 4.
- Bottle cooler and dispenser. H. M. Draper. 1,654,966; Jan. 3.
- Bottle cover and nipple support, Nursing-. M. Briggs. 1,687,004; Oct. 9.
- Bottle cover, especially adapted for use with milk bottles. L. M. Traub. 1,695,396; Dec. 18.
- Bottle-crowning machine. V. J. Mohler. 1,687,303; Oct. 9.
- Bottle decapper, Milk-. G. A. Berg. 1,657,782; Jan. 31.
- Bottle-delivery device. F., jr., and J. Helfenstein. 1,679,824; Aug. 7.
- Bottle-dispensing-machine attachment. J. D. Bench. 1,662,230; Mar. 13.
- Bottle-draining device, Milk-. A. J. Lippold. 1,667,075; Apr. 24.
- Bottle filler. A. J. Drees, H. B. Rock, and J. A. Reeve. 1,657,792; Jan. 31.
- Bottle filling and sealing machine. A. Calleson. 1,668,264; May 1.
- Bottle-filling device. G. D. Bly. 1,690,470; Nov. 6.
- Bottle-filling machine. S. Greenhouse. 1,868,811; Oct. 9.
- Bottle-filling machines, Filling head of. A. W. Smith. 1,662,761; Mar. 13.
- Bottle for infants, Feeding. J. Kollner. 1,663,342; Mar. 20.
- Bottle for perfume or the like. A. Lavault. Des. 76,405; Sept. 25.
- Bottle-handling machine. J. R. Dostal. 1,669,930; May 15.
- Bottle-handling machine. G. A. Fullips. 1,686,129; Oct. 2.
- Bottle-handling means. S. C. Gilbert. 1,665,025; Apr. 3.
- Bottle heater, Universal. E. Wojciechowski. 1,662,555; Mar. 13.
- Bottle holder. S. A. Steeves. 1,655,881; Jan. 10.
- Bottle holder, Nursing-. T. Nuernberg. 1,671,085; May 22.
- Bottle, Hot-water. H. A. Bauman. Des. 76,979; Nov. 27.
- Bottle indicator and coin holder, Milk-. G. W. Trask. 1,687,956; Oct. 16.
- Bottle, Liquid container, nursing. L. A. Zohe. 1,695,076; Dec. 11.
- Bottle, Liquid-cooler. F. W. Cook. Des. 76,124; Aug. 21.
- Bottle lock, Milk-. W. Bischan. 1,681,213; Aug. 21.
- Bottle lock, Milk-. D. S. Holloway. 1,679,080; July 31.
- Bottle machine. F. O'Neill. 1,658,735; Feb. 7.
- Bottle-making machine. S. L. Sears. 1,679,502; Aug. 7.
- Bottle manufacture. J. H. Sephton. 1,668,427; May 1.
- Bottle, Milk-. B. R. Detwiler and H. L. Raab. Des. 74,482; Feb. 21.
- Bottle, Metallic milk. T. N. Harrison, jr. 1,695,920; Dec. 18.
- Bottle, Nonrefillable. F. Westphal. 1,693,879; Dec. 4.
- Bottle, Nursing. R. W. Bettoli. Des. 74,251; Jan. 17.
- Bottle, Nursing. R. W. Bettoli. Des. 74,653; Mar. 13.
- Bottle, Nursing. G. B. McMullen. 1,657,021; Jan. 24.
- Bottle, Nursing. B. and D. Oshman. 1,672,466-7; June 5.
- Bottle, Oil. F. D. Gatchell. Des. 74,828; Apr. 3.
- Bottle opener. F. H. Schultz. 1,666,249; Apr. 17.

- Bottle-opening implement. W. C. Hering. 1,695,098; Dec. 11.
- Bottle or container, Ink. W. L. Marrian. 1,657,168; Jan. 24.
- Bottle or like container. R. W. Kohl. Des. 74,677; Mar. 13.
- Bottle or jar cover. O. Peterson. 1,687,179; Oct. 9.
- Bottle or similar article. L. W. Rice. Des. 75,873; July 24.
- Bottle or similar article, Hot-water. S. L. Palmer. Des. 76,413; Sept. 25.
- Bottle or similar article of manufacture. C. Adams. Des. 75,088; May 8.
- Bottle or similar article of manufacture. W. G. Keck. Des. 74,230; Jan. 10.
- Bottle or similar article of manufacture. R. A. Reid. Des. 76,354; Sept. 18.
- Bottle or similar container. J. W. Bicks. Des. 76,116; Aug. 21.
- Bottle or similar container. L. A. Danco. Des. 75,152; May 15.
- Bottle or similar container. G. Matchabelli. Des. 74,618; Mar. 6.
- Bottle or similar container. C. L. Pfeiffer. Des. 76,043; Aug. 14.
- Bottle or similar container, Perfume. J. Popper. Des. 75,747; July 10.
- Bottle or the like. E. B. Annis. Des. 75,763; July 17.
- Bottle or the like. J. Bramble. Des. 77,052-4; Dec. 4.
- Bottle or the like, Continuously-flowing. C. W. Saalburg. 1,672,910; June 12.
- Bottle, Paper milk. A. Moore. 1,656,645; Jan. 17.
- Bottle, Perfume. B. d'Escayrac. Des. 74,418; Feb. 14.
- Bottle, Perfume. G. Grunberg. Des. 75,557; June 19.
- Bottle, Perfume. F. N. Lewis. Des. 74,233; Jan. 10.
- Bottle, Portable urinal. B. C. Shiels. 1,657,975; Jan. 31.
- Bottle protector. M. L. and G. A. Thoreson. 1,690,509; Nov. 6.
- Bottle protector and closure. F. S. Julius. 1,686,238; Oct. 2.
- Bottle protector, Milk-. S. Bardaxoglou. 1,687,153; Oct. 9.
- Bottle receptacle elements, Constructing. L. B. Koch. 1,685,494; Sept. 25.
- Bottle receptacle, Milk-. E. G. Hines. 1,660,614; Feb. 28.
- Bottle-rinsing machine. S. E. Lannmark. 1,689,492; Oct. 30.
- Bottle spout. W. E. Rawlings. 1,658,395; Feb. 7.
- Bottle stopper. J. S. Blinn. 1,659,679; Feb. 21.
- Bottle stopper. H. J. Bragdon. 1,656,165; Jan. 17.
- Bottle stopper. R. Matthews. Des. 76,547; Oct. 9.
- Bottle stopper. T. Wilhelm. 1,693,569; Nov. 27.
- Bottle, Sucking or feeding. C. Beck. 1,669,892; May 15.
- Bottle support, Milk-. C. and C. Franklin. 1,667,032; Apr. 24.
- Bottle top. M. H. Herlick. 1,663,405; Mar. 20.
- Bottle, Tripurpose. G. C. Forbes. 1,690,930; Nov. 6.
- Bottle-turning mechanism. G. C. Crawford and J. R. Bridges. 1,696,294; Dec. 25.
- Bottle utilizable as a vase by turning it over. F. de Gerson. 1,678,588; July 24.
- Bottle, Vacuum. E. Edquist. 1,695,540; Dec. 18.
- Bottle, Vacuum. C. Shafer. Des. 75,191; May 15.
- Bottle washer. M. J. Forth. 1,687,012; Oct. 9.
- Bottle washer. A. P. Murray. 1,670,736; May 22.
- Bottle washer. P. W. Shields. 1,669,492; May 15.
- Bottle washer. W. Skwierawski. 1,677,571; July 17.
- Bottle-washing apparatus. E. Brunhoff. 1,662,144; Mar. 13.
- Bottle-washing apparatus. I. R. Hippenmeyer. 1,684,827; Sept. 18.
- Bottle-washing apparatus. M. J. Kreutzer. 1,667,597; Apr. 24.
- Bottle-washing machine. J. W. Dawson and J. L. Herold. 1,655,941; Jan. 10.
- Bottle-washing machine. J. W. Ladd, H. B. Williams, and C. C. Jordan. 1,678,781; July 31.
- Bottle-washing machine. R. A. Manning. 1,680,106; Aug. 7.
- Bottle-washing machine. H. B. Williams. 1,678,796; July 31.
- Bottle-washing machines, Motor support for. K. K. Wright. 1,661,592; Mar. 6.
- Bottle washing, rinsing, and sterilizing apparatus. J. W. Ladd and C. C. Jordan. 1,678,780; July 31.
- Bottle, Water. C. P. Whisler. 1,675,395; July 3.
- Bottle with open bottom, Milk. H. Evans. 1,660,606; Feb. 28.
- Bottles and jars, Closure for. L. R. N. Carvalho. 1,657,710; Jan. 31.
- Bottles and jars, Friction cap for. E. Scofield. 1,677,253; July 17.
- Bottles and other articles, Apparatus for setting up and transferring. A. N. Cramer. 1,680,283; Aug. 14.
- Bottles and other containers, Cap for. C. W. Crookshank. 1,674,951; June 26.
- Bottles and other glass hollow ware, Apparatus for the Manufacture of. G. De Renzis. 1,676,981; July 10.
- Bottles and the like, Closure for. A. H. Warth. 1,656,614; Jan. 17.
- Bottles and the like, Hood cap for. W. L. Wright. 1,656,806; Jan. 17.
- Bottles, Apparatus for making paper. A. Bodor. 1,660,411; Feb. 28.
- Bottles, Catch drop for. J. Faulhaber. 1,683,176; Sept. 4.
- Bottles, Closure means for. E. M. Carhart. 1,666,683; Apr. 17.
- Bottles, Emptying milk. G. A. Berg. 1,657,783; Jan. 31.
- Bottles, Jars, and other receptacles, Closure for. F. J. Fison. 1,658,520; Feb. 7.
- Bottles, Machine for closing. R. J. Smith. 1,657,556; Jan. 31.
- Bottles, Means relating to the manufacture of rubber water. H. A. Hands. 1,682,223; Aug. 28.
- Bottles, Measuring can for. J. A. Reiser. 1,677,567; July 17.
- Bottles, Nursing attachment for. L. A. Pfister, E. V. Heugan, and J. P. Marse. 1,659,784; Feb. 21.
- Bottles, tins, or other containers, Apparatus for filling. H. F. Broadhurst. 1,665,948; Apr. 10.
- Bottling machine. S. C. Bond. 1,690,527; Nov. 6.
- Bottling, Method and apparatus for. P. W. Shields and W. J. Blenko. 1,692,471; Nov. 20.
- Bow. A. H. Stokes. 1,672,181; June 5.
- Bow and arrow. H. B. Keller. 1,689,141; Oct. 23.
- Bow for archery. R. H. Cowdery. Des. 76,608; Oct. 16.
- Bow for use with arrows, Backed and interlined. F. and E. Rounseville. 1,672,543; June 5.
- Bow tie. L. Friedman. Des. 75,361; May 29.
- Bow tie. L. Friedman. 1,658,634; Feb. 7.
- Bow tie and making the same. G. R. Miller. 1,665,712; Apr. 10.
- Bow-tie rack. M. Goldman. Des. 74,733; Mar. 20.
- Bowl. W. H. Magee. Des. 76,878-9; Nov. 13.
- Bowl, Closet. J. B. Coxon. Des. 74,595-6; Mar. 6.
- Bowl, Glass. J. Zweig. Des. 76,973; Nov. 20.
- Bowl, Soup. K. Lickhard. Des. 75,738; July 10.
- Bowl for stock, Water. H. P. Hanson. 1,663,340; Mar. 20.
- Bowl or similar article. C. C. Beam. Des. 74,712; Mar. 20.
- Bowl or similar article. G. Haviland. Des. 76,134; Aug. 21.
- Bowl or similar article. H. Hebbard. Des. 74,604; Mar. 6.
- Bowl or similar article. E. T. Hurley. Des. 77,317; Dec. 25.
- Bowl or similar article. A. R. Kanné. Des. 76,543; Oct. 9.
- Bowl or similar article. E. Magnussen. Des. 77,109; Dec. 4.
- Bowl or similar article, Fish. T. W. McCreary. Des. 77,018; Nov. 27.
- Bowl or similar article, Metal. E. T. Beck. Des. 74,960; Apr. 24.
- Bowl or similar article of silverware. L. Mautner. Des. 75,978; Aug. 7.
- Bowl, Sanitary fruit. V. A. Matson. 1,657,862; Jan. 31.
- Bowl, Sugar. K. P. Beattie. Des. 74,539; Mar. 6.
- Bowl, Sugar. K. Lickhard. Des. 74,312; Jan. 24.
- Bowl, Sugar. A. F. Saunders. Des. 75,520; June 12.
- Bowl with wrist support. J. Brueck. 1,681,569; Aug. 21.
- Bowling-alley mat. F. Ksellmann. 1,666,938; Apr. 24.
- Bowling alleys, Division guard for. R. E. Kennedy. 1,690,539; Nov. 6.
- Bowling device; Parlor. A. L. Baumann. 1,679,643; Aug. 7.
- Bowling game board. J. Marcinko. 1,681,590; Aug. 21.
- Bowling pin. J. R. Carmichael. 1,679,072; July 31.
- Box: See—
- | | |
|-----------------------------------|---------------------------------|
| Annealing box. | Jewelry box. |
| Ballot box. | Journal box. |
| Battery box. | Junction box. |
| Belt box. | Lock box. |
| Berry box. | Locomotive driving box. |
| Boiler fire box. | Locomotive fire box. |
| Burial box. | Mail box. |
| Candy box. | Mailing box. |
| Cardboard box. | Match box. |
| Ceiling box. | Measuring box. |
| Chick box. | Meter box. |
| Cigar box. | Miter box. |
| Cigarette box. | Mortar box. |
| Cigarette-delivery box. | Novelty box. |
| Coin box. | Outlet box. |
| Collapsible box. | Outlet or junction box. |
| Compact box. | Packing box. |
| Compass bubble box. | Panel-board box. |
| Core box. | Paper box. |
| Dispensing and cooling box. | Photograph-enlarging light box. |
| Deposit box. | Pilferproof box. |
| Display box. | Polish box. |
| Distributing box. | Powder box. |
| Drill speed box. | Propagating box. |
| Dump box. | Sand box. |
| Electric-appliance receiving box. | Self-locking box. |
| Electrode box. | Shipping and display box. |
| Face box. | Shipping box. |
| Fill box. | Shoe box. |
| Film box. | Shuttle box. |
| Fire box. | Signal box. |
| Flower box. | Smoke box. |
| Foldable box. | Soap box. |
| Folding box. | Socket box. |
| Fuse box. | Stamp box. |
| Gear box. | Stuffing box. |
| Golf-ball box. | Suction box. |
| Ground box. | Suit box. |
| Inlet box. | Switch box. |

Box: See—

Terminal box. Tuyère wind box.
Tool box. Vanity box.
Tunnel-kiln fire box. Wind box.

Box. L. E. Benner. 1,673,176; June 12.
Box. L. Binder. 1,654,781; Jan. 3.
Box. A. D. Clawson. 1,663,441; Mar. 20.
Box. B. L. Drapeau. 1,695,143; Dec. 11.
Box. C. J. Fancher. 1,668,234; May 1.
Box. J. D. Fenstermacher. 1,673,109; June 12.
Box. W. M. Freedman. 1,679,121; July 31.
Box. L. H. Gebhart. Des. 74,560; Feb. 28.
Box. L. H. Gebhart. Des. 75,484; June 12.
Box. E. Gsell. Des. 76,236; Sept. 4.
Box. A. Hadi. 1,680,539; Aug. 14.
Box. L. W. Halk. 1,684,091; Sept. 11.
Box. F. F. Hamilton. Des. 74,832; Apr. 3.
Box. J. G. Huye. 1,683,192; Sept. 4.
Box. S. Koff. 1,675,414; July 3.
Box. E. Kramer. Des. 74,310; Jan. 24.
Box. J. G. Lander. 1,681,940; Aug. 28.
Box. R. Liddell. Des. 77,013; Nov. 27.
Box. H. S. Lion. 1,691,158; Nov. 13.
Box. J. Malonyay. 1,693,150; Nov. 27.
Box. H. V. Marsh. 1,656,919; Jan. 24.
Box. A. R. Mosler. 1,666,105; Apr. 17.
Box. S. Nussbaum. Des. 74,695; Mar. 13.
Box. R. Preston. Des. 74,319; Jan. 24.
Box. S. Rappaport. 1,666,918; Apr. 24.
Box. E. H. Ronay. Des. 76,894; Nov. 13.
Box. A. Rozowsky. 1,683,100; Sept. 4.
Box. A. Schaefer. Des. 74,805; Mar. 27.
Box. F. J. Schleicher. Des. 75,292; May 22.
Box. F. J. Schleicher. Des. 75,808; July 17.
Box. F. J. Schleicher. Des. 76,639; Oct. 16.
Box. F. J. Schleicher. Des. 77,034; Nov. 27.
Box. F. J. Schleicher. Des. 77,260; Dec. 18.
Box. F. J. Schleicher. 1,678,958; July 31.
Box. F. T. Schleicher. Des. 76,325-6; Sept. 11.
Box. H. B. Walter. 1,672,634; June 5.
Box and cover, Metal. W. C. Hiering. 1,666,653; Apr. 17.
Box and making same. C. D. Kimball. 1,658,529; Feb. 7.
Box and manufacture thereof. W. A. Wilcox. 1,671,622; May 29.
Box and neckwear holder, Combination collar. L. Stollenberg. 1,693,827; Dec. 4.
Box and paste board, Combined folding. J. W. Rounds. 1,663,525; Mar. 20.
Box base and damper, Combined. C. C. Shipp. 1,696,105; Dec. 18.
Box blank and box. H. B. Smith. 1,667,874; May 1.
Box blank or similar article. L. H. Gebhart. Des. 76,296; Sept. 11.
Box board or caddy stock. J. M. Andrews. 1,695,837; Dec. 18.
Box clamp, Battery-. C. L. Mabey. 1,677,789; July 17.
Box connection, Outlet-. M. M. Clayton. 1,688,853; Oct. 23.
Box construction. C. R. Shafer. Re16,936; Apr. 17.
Box cover. A. B. McIntire. Des. 74,840; Apr. 3.
Box cover, Outlet-. A. J. Bassett. 1,655,404; Jan. 10.
Box-covering machine. I. Hanshe. 1,692,831; Nov. 27.
Box for articles, Shipping. C. P. Gallistel. 1,677,918; July 24.
Box for cutting cylinders, Knife. H. A. W. Wood. 1,678,896; July 31.
Box for holding superimposed edged blades and unit razor-blade packages. E. C. G. Öberg. 1,669,421; May 15.
Box for ingot molds, Core. J. E. Perry. 1,694,105; Dec. 4.
Box for mail and the like. S. R. Hunter and J. W. Arnold. 1,689,204; Oct. 30.
Box for perfume, powder, or the like. A. Lavault. Des. 76,486; Oct. 2.
Box for shafts and the like, Stuffing. A. Jabs. 1,689,874; Oct. 30.
Box for stationery. J. J. O'Connor, jr. 1,657,277; Jan. 24.
Box for use at high temperatures. E. P. Van Stone. 1,679,510; Aug. 7.
Box for use in sewerage pipes, Cleansing. C. Sass. 1,666,756; Apr. 17.
Box frame, Wooden outlet-. E. L. Scranton. 1,683,308; Sept. 4.
Box joint. B. A. Lange. 1,655,505; Jan. 10.
Box-lid holder. F. J. Foster and H. Wahren. 1,671,184; May 29.
Box lifter. H. Fassbender. 1,687,552; Oct. 16.
Box machine, Hairpin. F. D. Willi. 1,682,819; Sept. 4.
Box-making machine. A. Uhlir. 1,669,793; May 15.
Box-making machine and the like, Paper-. S. Bergstein. 1,659,718; Feb. 21.
Box-making machine, Fiber-. W. Tisch. 1,658,422; Feb. 7.
Box-making machine, Paper-. F. G. Feeley. 1,687,289; Oct. 9.
Box-making machines, Blanking and transferring mechanism for. O. W. Cowgill. 1,681,928; Aug. 28.
Box or container, Cardboard and like. B. J. Creasey. 1,679,710; Aug. 7.
Box or crate, Knockdown. W. E. Gardner. 1,673,324; June 12.

Box or receptacle for holding small articles. W. D. La Rue. 1,661,728; Mar. 6.
Box or sealing means for compressors and the like, Stuffing. W. H. Carrier. 1,695,320; Dec. 18.
Box or similar article. L. A. Danco. Des. 75,097; May 8.
Box or similar article. L. W. Rice. Des. 75,930; July 31.
Box or similar article, Jewelry. J. S. McKeeby. Des. 75,926; July 31.
Box or similar article, Powder-puff. R. E. McEldowney. Des. 77,110; Dec. 4.
Box or similar container for a bottle. B. d'Escayrac. Des. 75,098; May 8.
Box parts, Equipment for manufacturing. H. E. Leash. 1,693,521; Nov. 27.
Box-strap tie. L. M. Harvey. 1,677,522; July 17.
Box-strap-tightening device. S. W. Parsons. 1,675,420; July 3.
Box-strapping machine. P. Wright. 1,677,911; July 24.
Box straps, Device for applying. F. L. McGary. 1,670,201; May 15.
Box-strip-applying machine. L. S. Howe and J. J. Holloway. 1,662,268; Mar. 13.
Box support, Outlet-. C. A. Lundberg. 1,675,942; July 3.
Box toes, Apparatus for conditioning. M. O. Jennings. 1,689,631; Oct. 30.
Box trunk holder for automobile running boards. C. S. McKenney. 1,654,941; Jan. 3.
Boxes and the like, Lid and cover holder for cigar. W. F. Kessler. 1,655,959; Jan. 10.
Boxes and the like, Making and sealing. S. Bergstein. 1,693,172; Nov. 27.
Boxes and the like, Making and sealing paper. S. Bergstein. 1,660,185; Feb. 21.
Boxes and the like, Making paper. S. Bergstein 1,681,212; Aug. 21.
Boxes, Apparatus and method for making fibrous. O. P. Bushnell. 1,690,528; Nov. 6.
Boxes, Box holder to facilitate the hand-stripping operation in the production of pasteboard. I. A. Deline. 1,664,739; Apr. 3.
Boxes, Making. C. S. Price. 1,690,833; Nov. 6.
Boxes, Making collapsible. F. M. Joslin. 1,694,126; Dec. 4.
Boxes, Making paper. W. S. Cleaves. 1,693,023; Nov. 27.
Boxes, Reinforced lid for chick. K. I. Miller. 1,657,515; Jan. 31.
Boxes, Sealing means and method for wire-bound. E. H. Ludlow. 1,662,011; Mar. 6.
Boxes, Stop motion for gill. W. J. Scott. 1,663,283; Mar. 20.
Boxing, Device for creating accuracy in the art of. H. Latz. 1,685,495; Sept. 25.

Brace: See—

| | |
|----------------------|---------------------------|
| Ankle brace. | Folding brace. |
| Bed-rail brace. | Hat brace. |
| Bedspring brace. | Joist brace. |
| Bit brace. | Limb brace. |
| Body brace. | Rail brace. |
| Broom-handle brace. | Railway-rail brace. |
| Chair-leg brace. | Rocking structural brace. |
| Concrete-form brace. | Stacking brace. |
| Fender brace. | Top brace. |
| Fruit-car brace. | Wall bracket. |
| Furniture brace. | |

Brace. C. D. Miller and F. P. Slocum. 1,655,234; Jan. 3.
Brace clip, Shore-. C. L. Meyer. 1,694,887; Dec. 11.
Brace for club feet. O. L. Fischer. 1,656,322; Jan. 17.
Brace for club feet. O. L. Fischer. 1,691,235; Nov. 13.
Brace for soft collars. G. K. Anderson and A. J. Ford. 1,658,219; Feb. 7.
Brace rod for casement windows. J. Beuc. 1,691,332; Nov. 13.
Brace strut. E. F. Smith and G. K. Wilson. 1,663,487; Mar. 20.
Brace with tie plate, Rail. E. Johanson. 1,679,528; Aug. 7.

Bracelet. G. Chaumet. Des. 75,547; June 19.
Bracelet. D. Dubasoff. Des. 76,857; Nov. 13.
Bracelet. C. Hoeckele. 1,663,394; Mar. 20.
Bracelet. I. R. Lederer. Des. 76,620; Oct. 16.
Bracelet. P. W. Jones. 1,669,710; May 15.
Bracelet. A. Kilstrom. 1,658,381; Feb. 7.
Bracelet. G. Kollstede. 1,658,053; Feb. 7.
Bracelet. J. A. Payette. 1,676,706; July 10.
Bracelet. G. W. Stelter. 1,672,007; June 5.
Bracelet. C. R. Tost. 1,680,706; Aug. 14.
Bracelet, Adjustable. S. C. Eppenstein. 1,664,504; Apr. 3.
Bracelet and clasp, Chain. C. H. Batchelder. 1,662,451; Mar. 13.
Bracelet and fastener, Watch. W. C. Boots. 1,659,991; Feb. 21.
Bracelet and like articles of jewelry, Expanding. A. Downes. 1,682,607; Aug. 28.
Bracelet, Antirattle. H. M. Denyes. 1,664,669; Apr. 3.
Bracelet, Band. C. Schrayssshuen. 1,681,687; Aug. 21.
Bracelet chain or similar article. J. Solinger. Des. 74,458; Feb. 14.
Bracelet chain or similar article. N. D. Whalen. Des. 76,510; Oct. 2.
Bracelet clasp. P. W. Jones. 1,676,695; July 10.
Bracelet clasp. A. L. Newman. 1,678,707; July 31.
Bracelet construction. A. Person. 1,677,204; July 17.

- Bracelet, Cord watch. C. R. Tost. 1,695,747; Dec. 18.
 Bracelet end hook. K. Augenstein. 1,662,628; Mar. 13.
 Bracelet end hook. N. T. Nelson. 1,659,439; Feb. 14.
 Bracelet, Expandible. W. C. Boots. 1,659,990; Feb. 21.
 Bracelet, Expandible. F. W. Nittel. 1,666,033; Apr. 10.
 Bracelet, Expandible. N. T. Nelson. 1,659,438; Feb. 14.
 Bracelet extension device. N. T. Nelson. 1,690,498; Nov. 6.
 Bracelet extension member. C. J. Boehr. 1,659,705; Feb. 21.
 Bracelet, Flexible. J. Fielding. 1,660,438; Feb. 28.
 Bracelet, Flexible. A. L. Newman and O. R. Mitchell. 1,680,628; Aug. 14.
 Bracelet hook. C. Augenstein. 1,675,324; July 3.
 Bracelet hook. S. O. Bigney. 1,654,718; Jan. 3.
 Bracelet hook. S. L. Lederer. Des. 74,513; Feb. 21.
 Bracelet link. T. A. Droz. Des. 74,258; Jan. 17.
 Bracelet link. C. A. Hart. 1,663,079; Mar. 20.
 Bracelet link, Extendible. E. Prestinari. 1,688,090; Oct. 16.
 Bracket or similar article. W. Kuehner. Des. 76,877; Nov. 13.
 Bracket or similar article. O. Pennino. Des. 76,040; Aug. 14.
 Bracelet, Wrist-watch. A. Bulova. 1,676,213; July 3.
 Bracelet, Wrist-watch. L. Stern. Des. 74,581; Feb. 28.
 Bracelets and like articles of jewelry, Clasp for. A. L. Newman. 1,656,335; Jan. 17.
 Bracelets, Extension device for flexible. E. L. Johnson and O. Lundsten. 1,654,732-3; Jan. 3.
 Bracing attachment, Automobile. J. H. Bourgon. 1,654,675; Jan. 3.
 Bracing casing structures for elastic-fluid turbines and the like. C. S. Rice. 1,693,317; Nov. 27.
 Bracing, Furniture. L. R. Clark and A. M. Yeomans. 1,695,189; Dec. 11.
 Bracing means for tubular filler members. D. F. Brawn. 1,682,367; Aug. 28.
 Bracing means for tubular filler members. J. S. Reid. 1,682,349; Aug. 28.
 Bracing rods to trees, Applying threaded. P. H. Davey. 1,685,151; Sept. 25.
 Bracket: See—
 Adjustable bracket. Motor bracket.
 Adjustable bumper bracket. Outboard-motor bracket.
 Arm bracket. Roofing bracket.
 Awning bracket. Screen bracket.
 Bumper bracket. Shade and curtain bracket.
 Cable-support bracket. Shade bracket.
 Caster-mounting bracket. Shade-supporting bracket.
 Cornice bracket. Shore bracket.
 Curtain-rod bracket. Stanchion bracket.
 Dead-end bracket. Suspension bracket.
 Engine bracket. Terminal bracket.
 Fixture bracket. Thread-cleaner bracket.
 Frame bracket. Tube-frame bracket.
 Furring bracket. Valve bracket.
 Lamp bracket. Wall-paper bracket.
 Metal bracket. Windshield bracket.
 Mirror bracket. Wire-lath bracket.
 Mitered-joint bracket.
 Bracket. J. F. Goldsboro. 1,662,667; Mar. 13.
 Bracket. J. A. Hoegger. Des. 75,496; June 12.
 Bracket. R. B. Peters. 1,667,604; Apr. 24.
 Bracket. R. E. Pippin. 1,655,336; Jan. 3.
 Bracket. W. C. Skinner. 1,695,213; Dec. 11.
 Bracket. J. A. Tesk. 1,688,096; Oct. 16.
 Bracket and brake lever. E. L. Kulick. 1,664,825; Apr. 3.
 Bracket and drop tube, Ice-can. W. W. Johnson. 1,676,089; July 3.
 Bracket back. T. Shapiro. Des. 74,634-6; Mar. 6.
 Bracket back for lighting fixtures. L. R. Wellman. Des. 76,592; Oct. 9.
 Bracket carrier for windshield deflectors. B. and H. Jassen. 1,684,493; Sept. 18.
 Bracket for dirigible spotlights. W. V. Van Etten. 1,660,057; Feb. 21.
 Bracket for drapery pole or rod. G. Madvig. Des. 75,923-5; July 31.
 Bracket for drapery pole or rod. G. Madvig. Des. 76,546; Oct. 9.
 Bracket for electric wires, Guard. L. E. Davison. 1,676,944; July 10.
 Bracket for lamps, Adjustable. A. J. Tizley. 1,672,794; June 5.
 Bracket for lighting fixtures, Wall. I. Rosenblatt. Des. 76,202; Aug. 28.
 Bracket for lighting fixtures, Wall. I. Rosenblatt. Des. 77,125; Dec. 4.
 Bracket for lighting fixtures, Wall. G. E. Villaret. Des. 77,137; Dec. 4.
 Bracket for parallel rails, rods, and the like, Supporting. J. E. Gloekler. 1,677,764; July 17.
 Bracket for railway signals, Supporting. E. A. Everett. 1,684,953; Sept. 18.
 Bracket for rods and the like. O. Kurz. 1,660,795; Feb. 28.
 Bracket for vehicles, Loading. F. W. Yells. 1,639,375; Oct. 30.
 Bracket gauge, Lap-siding. H. Smith. 1,671,322; May 29.
 Bracket insulator. W. C. Banks and E. E. Schmid. 1,671,338; May 29.
 Bracket or article of analogous nature, Wall. A. R. Krause. Des. 76,311; Sept. 11.
 Bracket or similar article, Curtain pole. J. O. Crawford. Des. 74,864; Apr. 10.
 Bracket plate for lighting fixtures or analogous articles. G. H. Altbach. Des. 76,975; Nov. 27.
 Bracket support, Electrical Wall-. H. D'Olier, jr. 1,692,251; Nov. 20.
 Brackets or the like, Arm for wall. A. P. Seidell. Des. 76,207; Aug. 28.
 Brackets or the like, Arm for wall. A. P. Seidell. Des. 76,264; Sept. 4.
 Braid and making the same. C. J. Greenspan. 1,692,651; Nov. 20.
 Braid, Trimming. P. and N. Hershkowitz. Des. 76,479; Oct. 2.
 Braid, Trimming. A. W. Rockwood. Des. 76,049-50; Aug. 14.
 Braid, Upholstery. H. O. Shults. Des. 77,330; Dec. 25.
 Braiding carrier. M. Krissiep. 1,667,974; May 1.
 Braiding machine. H. G. Robinson. 1,693,121; Nov. 27.
 Braiding-machine carrier. C. Haggerty. 1,690,897; Nov. 6.
 Braiding-machine carrier, Tubular. W. E. Cook. 1,689,116; Oct. 23.
 Braiding machines, Carrier for. W. E. Cook. 1,662,454; Mar. 13.
 Braiding machines, Carrier for. G. F. McCahey. 1,657,219; Jan. 24.
 Braiding machines, Thread-guide lever for. G. Horn. 1,689,389; Oct. 30.
 Brake: See—
 Air and electric brake. Internal-expanding brake.
 Air brake. Load brake.
 Air-pressure brake. One-line brake.
 Antifriction brake. One-way brake.
 Automatic brake. Power brake.
 Automobile air brake. Power-operated brake.
 Automobile brake. Railway brake.
 Backslide brake. Ratchet brake.
 Bucket brake. Relining brake.
 Car brake. Reverse brake.
 Clutch brake. Safety brake.
 Contracting brake. Servo-brake.
 Duplex brake. Shoe brake.
 Electrically-released brake. Skate brake.
 Electromagnetic brake. Solenoid brake.
 Engine brake. Steering-wheel brake.
 Expandable brake. Thermostatic brake.
 Fluid-actuated brake. Track brake.
 Fluid-pressure brake. Truck brake.
 Friction brake. Vacuum brake.
 Hand brake. Vehicle brake.
 Hydraulic brake. Vehicle power brake.
 Internal brake. Wheel brake.
 Brake. D. E. Anderson. 1,670,833; May 22.
 Brake. W. J. Andres. Re17,015; July 3.
 Brake. P. Bastien. 1,669,965; May 15.
 Brake. A. Boutin. 1,667,924; May 1.
 Brake. N. A. Christensen. 1,690,855; Nov. 6.
 Brake. O. B. Clark. 1,658,760; Feb. 7.
 Brake. A. Y. Dodge. 1,663,295; Mar. 20.
 Brake. A. Y. Dodge. 1,664,197; Mar. 27.
 Brake. A. Y. Dodge. 1,679,896; Aug. 7.
 Brake. A. Y. Dodge. 1,691,566; Nov. 13.
 Brake. J. Eaton. 1,677,024; July 10.
 Brake. A. F. A. and A. A. Frasca. 1,662,497; Mar. 13.
 Brake. W. L. Gauthier. 1,658,558; Feb. 7.
 Brake. R. Guillery. 1,668,274; May 1.
 Brake. H. D. Humphrey. 1,671,643; May 29.
 Brake. W. O. Kennington. 1,658,561; Feb. 7.
 Brake. W. L. Krieg. 1,668,211; May 1.
 Brake. L. E. La Brie. 1,669,886; May 15.
 Brake. L. E. La Brie. 1,670,729; May 22.
 Brake. G. W. Lautrup. 1,660,620; Feb. 28.
 Brake. A. E. Lee. 1,685,709; Sept. 25.
 Brake. V. Link. 1,654,690; Jan. 3.
 Brake. V. Link. 1,664,256; Mar. 27.
 Brake. V. Link. 1,684,547; Sept. 18.
 Brake. V. Link and H. S. Pierce. 1,689,554; Oct. 30.
 Brake. A. F. Masury. 1,685,429; Sept. 25.
 Brake. E. G. McDonald. 1,660,932; Feb. 28.
 Brake. E. C. Newcomb. 1,684,501; Sept. 18.
 Brake. H. S. Pierce. 1,656,607; Jan. 17.
 Brake. E. P. Renaux. 1,660,136; Feb. 21.
 Brake. W. Rueppel and L. Cone. 1,695,665; Dec. 18.
 Brake. F. St. John. 1,672,546; June 5.
 Brake. R. S. Sanford. 1,667,395; Apr. 24.
 Brake. E. G. Sprung. 1,684,156; Sept. 11.
 Brake. I. F. Strand. 1,689,412; Oct. 30.
 Brake. A. C. Wollensak, A. Jacobs, and P. C. Baldus. 1,676,761; July 10.
 Brake adjusting and operating means. W. D. Appel. 1,658,546; Feb. 7.
 Brake-adjusting device. M. La Londe and W. B. Russell. 1,658,293; Feb. 7.
 Brake-adjusting means, Railway-. C. O. Anderson. 1,657,983; Jan. 31.
 Brake-adjusting mechanism, Automatic. C. O. Anderson. 1,691,325; Nov. 13.
 Brake-adjusting mechanism, Automatic. G. Midboe. 1,661,191; Mar. 6.
 Brake adjustment. V. Bendix. 1,674,313; June 19.
 Brake adjustment. J. E. Seese. 1,683,057; Sept. 4.
 Brake and center pin for locomotive cranes, Combination foot. H. D. Casey. 1,671,626; May 29.

- Brake and clutch mechanism. T. N. Garson. 1,660,551; Feb. 28.
- Brake and clutch mechanism. Coordinated. C. S. Wright and J. R. Mahan. 1,680,715; Aug. 14.
- Brake and door control for automotive buses. R. W. Bailey. 1,693,834; Dec. 4.
- Brake and gas control. Combination. J. G. Owens. 1,674,121; June 19.
- Brake and guard structure. Combination. J. E. De Long. 1,692,027; Nov. 20.
- Brake and the like. Fluid. H. F. Scruby. 1,663,027; May 1.
- Brake and tractor device for tractor trailers. Hydraulic. C. H. Land. 1,684,836; Sept. 18.
- Brake apparatus. L. Krupp. 1,656,070; Jan. 10.
- Brake apparatus. Air-. W. Astle. 1,689,221; Oct. 30.
- Brake apparatus. Air-. C. I. Frantz. 1,680,533; Aug. 14.
- Brake-applying means. K. E. Lyman. 1,670,730; May 22.
- Brake-applying means. R. S. Sanford. 1,661,772; Mar. 6.
- Brake-applying means. Automatic. L. M. Lambe. 1,670,264; May 15.
- Brake-applying mechanism. G. J. Thomas. 1,690,382; Nov. 6.
- Brake attachment for motor vehicles. J. L. Davis. 1,676,136; July 3.
- Brake band and lining therefor. W. B. Terry. 1,661,057; Feb. 28.
- Brake band. Automobile. F. H. Smith and T. A. Sindelar. Re16,965; May 15.
- Brake-band construction. D. M. Sarkisian. 1,656,608; Jan. 17.
- Brake-band let-off. E. Cormier. 1,661,925; Mar. 6.
- Brake-band-operating mechanism. G. C. Carhart. 1,656,661; Jan. 17.
- Brake-band structure. H. M. Ewing. 1,672,486; June 5.
- Brake beam. T. J. Laing. 1,659,740; Feb. 21.
- Brake-beam assembly. H. M. Bowden. 1,681,090; Aug. 14.
- Brake-beam fulcrum. W. C. Hedgcock and L. L. Whitney. 1,660,508; Feb. 28.
- Brake-beam guide. Adjustable. E. G. Busse. 1,659,856; Feb. 21.
- Brake beam. Railway. S. A. Crone. 1,655,754; Jan. 10.
- Brake-beam safety bars. Mounting for. E. G. Busse. 1,680,448; Aug. 14.
- Brake-beam safety device. V. B. Rice. 1,656,075; Jan. 10.
- Brake-beam support. E. G. Busse. 1,659,855; Feb. 21.
- Brake-beam support. Railway-. S. A. Crone. 1,655,755; Jan. 10.
- Brake-beam support. Safety. G. M. Waddy. 1,666,585; Apr. 17.
- Brake beams. Adjustable third or fourth point support for. H. W. Ekholm. 1,689,333; Oct. 30.
- Brake beams. Loop support for. E. G. Busse. 1,659,853; Feb. 21.
- Brake beams. Reversible strut for. T. E. Rodman. 1,673,159; June 12.
- Brake beams. Safety device for. L. J. Brown. 1,664,538; Apr. 3.
- Brake beams. Swing support for. E. A. Le Beau. 1,659,882; Feb. 21.
- Brake-chain slack. Device for taking up. J. McMullen. 1,667,560; Apr. 24.
- Brake construction. T. F. Rainsford. 1,679,495; Aug. 7.
- Brake control. V. Bendix. 1,656,263; Jan. 17.
- Brake control. V. Bendix. 1,656,939; Jan. 24.
- Brake control. V. Bendix. 1,657,061; Jan. 24.
- Brake control. M. W. McConkey. 1,694,075; Dec. 4.
- Brake-control mechanism. Air. W. L. Coop and C. B. Stone. 1,678,106; July 24.
- Brake cylinder. C. C. Farmer. 1,681,579; Aug. 21.
- Brake device. A. Domenico. 1,678,692; July 31.
- Brake device. O. Peterson. 1,665,753; Apr. 10.
- Brake device. O. Peterson. 1,666,144; Apr. 17.
- Brake device. H. Pieper. 1,661,625; Mar. 6.
- Brake device. Fluid-pressure. T. H. Thomas and E. S. Cook. 1,663,736; Mar. 27.
- Brake device. Fluid-pressure. T. H. Thomas and C. A. Nelson. 1,685,890; Oct. 2.
- Brake device for trains. Automatic. F. Grünhut and F. Nowack. 1,670,617; May 22.
- Brake drum. G. W. Benedict. 1,694,052; Dec. 4.
- Brake drum. W. N. Booth. 1,695,526; Dec. 18.
- Brake drum. J. Fejes. 1,661,218; Mar. 6.
- Brake drum. T. E. Murray. 1,662,585; Mar. 13.
- Brake drum. R. S. Sanford. 1,686,346; Oct. 2.
- Brake drum and liner. F. D. Hansen and H. W. Tinker. 1,678,777; July 31.
- Brake drum and wheel construction. F. W. Baker. 1,655,807; Jan. 10.
- Brake drum for bull wheels and the like. B. Boykin, jr. 1,674,851; June 26.
- Brake drums and the like. Method and apparatus for hardening. W. G. Hildorf. 1,674,470; June 19.
- Brake equalizer. H. Ford. 1,665,258; Apr. 10.
- Brake equalizer. H. A. Hille. 1,655,268; Jan. 3.
- Brake equalizer. J. L. Mesple. 1,678,155; July 24.
- Brake equalizer. Automobile safety. O. L. Compton. 1,681,518; Aug. 21.
- Brake equalizer. Four-wheel-. J. L. Mesplé. 1,668,121; May 1.
- Brake-equalizing device. A. Taub. 1,672,182; June 5.
- Brake for aeroplanes. R. E. Mitton. 1,658,812; Feb. 14.
- Brake for automobiles. Electric. H. Johnson and L. O. Aune. 1,691,812; Nov. 13.
- Brake for conveyers. H. Armstrong. 1,696,072; Dec. 18.
- Brake for gyratory centrifugals. E. Roberts. 1,684,368; Sept. 11.
- Brake for hoisting devices and the like. L. Herborn. 1,676,087; July 3.
- Brake for motor vehicles. J. F. Richardson. 1,683,097; Sept. 4.
- Brake for railroad cars. Quick take-up and release hand. L. J. Brown. 1,679,403; Aug. 7.
- Brake for railway cars. Hand. S. B. Haseltine. 1,683,461; Sept. 4.
- Brake for railway cars. Hand. J. F. O'Connor. 1,671,605; May 29.
- Brake for railway cars. Hand. J. F. O'Connor. 1,684,505; Sept. 18.
- Brake for railway cars. Rail. W. G. Stuck. 1,658,421; Feb. 7.
- Brake for rotating shafts. Fluid. O. F. Jensen. 1,692,801; Nov. 20.
- Brake for talking machines. Automatic. H. L. T. Buckle. 1,685,872; Oct. 2.
- Brake for trailers. Automatic. J. Schlagenhauf. 1,692,141; Nov. 20.
- Brake for vehicle. Hydraulic. G. B. Boyd. 1,661,029; Feb. 28.
- Brake for vehicles. G. McGhee. 1,678,227; July 24.
- Brake for vehicles. Wheel. J. V. Pugh. 1,681,432; Aug. 21.
- Brake hanger. G. T. Johnson. 1,675,608; July 3.
- Brake hanger. J. S. McPherson. 1,661,228; Mar. 6.
- Brake hangers. Column-post bearing for. S. F. Beasley. 1,658,014; Jan. 31.
- Brake having pressed-metal shoes. A. Y. Dodge. 1,657,856; Jan. 31.
- Brake heads. Balancing device for. W. H. Baselt. 1,686,648; Oct. 9.
- Brake-indicating device. W. E. Dean. 1,689,231; Oct. 30.
- Brake lining. F. J. Eisenhardt. 1,686,903; Oct. 9.
- Brake lining. E. Slade. 1,678,305; July 24.
- Brake lining and making same. I. J. Novak. 1,677,842; July 17.
- Brake-lining composition. R. Laughlin. 1,693,394; Nov. 27.
- Brake-lining clamp. A. R. Humphrey. 1,672,492; June 5.
- Brake lock. C. A. Smith and W. G. Bowers. 1,688,290; Oct. 16.
- Brake mechanism. V. Bendix. 1,675,526; July 3.
- Brake mechanism. F. Braut and A. Cordier. 1,694,203; Dec. 4.
- Brake mechanism. A. Y. Dodge. 1,675,536; July 3.
- Brake mechanism. H. A. Flegaus. 1,661,420; Mar. 6.
- Brake mechanism. A. W. Hannah. 1,655,366; Jan. 3.
- Brake mechanism. W. T. Livermore. 1,657,541; Jan. 31.
- Brake mechanism. L. F. Losi. 1,681,354; Aug. 21.
- Brake mechanism. K. E. Lyman. 1,696,314; Dec. 25.
- Brake mechanism. A. F. Masury. 1,684,404; Sept. 18.
- Brake mechanism. E. B. Nowosielski. 1,657,867; Jan. 31.
- Brake mechanism. H. Pieper. 1,661,621; Mar. 6.
- Brake mechanism. R. Pigeolet. 1,673,528; June 12.
- Brake mechanism. R. S. Sanford. 1,681,014; Aug. 14.
- Brake mechanism. J. W. Smith. 1,678,682; July 31.
- Brake mechanism. R. D. Stroup. 1,668,776-7; May 8.
- Brake mechanism. R. D. Stroup. 1,670,695; May 22.
- Brake mechanism. R. D. Stroup. 1,675,673; July 3.
- Brake mechanism. H. A. Tuttle. 1,692,006; Nov. 20.
- Brake mechanism. V. R. Willoughby. 1,665,393; Apr. 10.
- Brake mechanism. H. C. Zimmermann. 1,683,515; Sept. 4.
- Brake mechanism. Automatic bleeding mechanism for air lines of train air-. W. F. Dishon. 1,687,975; Oct. 16.
- Brake mechanism. Centrifugal. L. Landry. 1,663,012; Mar. 20.
- Brake mechanism for lifting jacks. F. L. Gormley. 1,687,127; Oct. 9.
- Brake mechanism for motor vehicles. W. J. Besler. 1,673,177; June 12.
- Brake mechanism for railway cars. O. C. Duryea. 1,693,197; Nov. 27.
- Brake mechanism for traction devices of the endless-belt type. B. F. Pagenhart. 1,677,047; July 10.
- Brake mechanism for vehicles. D. R. Capes. 1,680,319; Aug. 14.
- Brake mechanism. Motor-vehicle. W. L. Martin. 1,690,343; Nov. 6.
- Brake mechanism operated by suction. W. O. Kennington. 1,665,306; Apr. 10.
- Brake mechanism. Propeller-shaft. J. C. Haggart, jr. 1,691,970; Nov. 20.
- Brake mechanism. Safety control for power-actuated. C. S. Bragg and V. W. Kliesrath. 1,658,325; Feb. 7.
- Brake mechanism. Trailer. O. E. Byron. 1,686,730; Oct. 9.
- Brake mechanism. Vehicle. N. A. Christensen. 1,693,887; Dec. 4.
- Brake mechanism. Vehicle. H. Perrot. 1,691,584; Nov. 13.
- Brake mechanism. Vehicle. R. S. Sanford. 1,689,255; Oct. 30.
- Brake mechanism. Transmission. N. A. Christensen. 1,679,154; July 31.
- Brake meter. A. Klimek. 1,690,121; Nov. 6.
- Brake of the expanding-shoe type. G. Fornaca. 1,662,569; Mar. 13.

- Brake of the expanding-shoe type. G. Fornaca. 1,685,450; Sept. 25.
- Brake-operating connection. W. J. Andres. 1,656,261; Jan. 17.
- Brake-operating connection. J. R. Cautley. 1,655,218; Jan. 3.
- Brake-operating means. V. Bendix. 1,677,381; July 17.
- Brake-operating means. H. Brodie. 1,664,732; Apr. 3.
- Brake-operating means. A. Y. Dodge. 1,666,558; Apr. 17.
- Brake-operating means. L. E. La Brie. 1,657,860; Jan. 31.
- Brake-operating means. R. S. Sanford. 1,674,303; June 19.
- Brake-operating means. G. J. Thomas. 1,686,111; Oct. 2.
- Brake-operating means, Hydraulic. A. Moser. 1,678,949; July 31.
- Brake operating means, Hydraulic and band. W. G. Price. 1,694,020; Dec. 4.
- Brake-operating mechanism. W. J. Andres. 1,660,148; Feb. 21.
- Brake-operating mechanism. K. E. Lyman. 1,659,369; Feb. 14.
- Brake-operating mechanism. M. W. McConkey. 1,664,180; Mar. 27.
- Brake-operating mechanism. A. Moorhouse. 1,688,740; Oct. 23.
- Brake-operating mechanism. R. S. Sanford. 1,656,294; Jan. 17.
- Brake-operating mechanism. H. H. Trail. 1,687,047; Oct. 9.
- Brake-operating mechanism. G. Walker. 1,668,436; May 1.
- Brake-operating mechanism, Electric. C. E. B. Smith. 1,665,227; Apr. 10.
- Brake operator for incline hoists, Automatic. H. H. Logan. 1,687,621; Oct. 16.
- Brake-pedal construction. V. Hughes. 1,672,220; June 5.
- Brake-pedal-holding means, Vehicle. A. C. McBride. 1,681,192; Aug. 21.
- Brake-power-multiplying device. B. L. Cook and E. O. Hermann. 1,662,417; Mar. 13.
- Brake pressure gauge. R. S. Sanford. 1,684,639; Sept. 18.
- Brake release, Air-. J. S. McWhirter. 1,661,730; Mar. 6.
- Brake releasing device. W. H. Watlington. 1,696,702; Dec. 25.
- Brake rigging, Foundation. W. H. Sauvage. 1,681,054; Aug. 14.
- Brake-rigging regulator. W. H. Sauvage. 1,681,051-3; Aug. 14.
- Brake-rigging regulator. W. H. Sauvage. 1,681,055-60; Aug. 14.
- Brake rod. W. S. Adams. 1,683,516; Sept. 4.
- Brake-rod jaw. V. R. Willoughby. 1,665,389; Apr. 10.
- Brake shoe. V. Bendix. 1,657,852; Jan. 31.
- Brake shoe. V. Bendix. 1,671,759; May 29.
- Brake shoe. V. Bendix. 1,675,291; June 26.
- Brake shoe. A. Y. Dodge. 1,657,884; Jan. 31.
- Brake shoe. A. Y. Dodge. 1,658,763; Feb. 7.
- Brake shoe. A. Y. Dodge. 1,660,919; Feb. 28.
- Brake shoe. A. Y. Dodge. 1,665,690; Apr. 10.
- Brake shoe. J. Kegan. 1,656,638; Jan. 17.
- Brake shoe. L. E. La Brie. 1,671,728-9; May 29.
- Brake shoe. L. E. Long. 1,659,368; Feb. 14.
- Brake shoe. M. Loughhead. 1,680,911; Aug. 14.
- Brake shoe. M. W. McConkey. 1,673,416; June 12.
- Brake shoe. J. L. Price. 1,660,135; Feb. 21.
- Brake shoe and making the same. C. D. Pettis. 1,684,883; Sept. 18.
- Brake shoe and mounting therefor. M. Loughhead. 1,679,484; Aug. 7.
- Brake-shoe construction. H. D. Hukill. 1,690,302; Nov. 6.
- Brake shoe for car retarders. W. K. Howe. 1,691,010; Nov. 6.
- Brake-shoe head, Reversible. W. C. Sleeman. 1,694,989; Dec. 11.
- Brake shoe, Reenforced. M. W. McConkey. 1,673,417; June 12.
- Brake shoes, Making. C. Cobb, jr. 1,688,787; Oct. 23.
- Brake shoes, Making. A. Y. Dodge. 1,667,375; Apr. 24.
- Brake slack adjuster. L. A. Fowler and H. D. Hukill. 1,689,235; Oct. 30.
- Brake solution, Hydraulic. W. G. Calkins. 1,666,871; Apr. 17.
- Brake structure. A. and C. Christianson. 1,669,862; May 15.
- Brake supporting and operating mechanism. A. S. Fishel. 1,678,696; July 31.
- Brake system. F. C. Reilly. 1,684,743; Sept. 18.
- Brake system actuated by fluid pressure. A. Anderberg and E. A. Anderberg. 1,663,579; Mar. 27.
- Brake system, Air-. F. H. Duksmith. 1,695,245; Dec. 11.
- Brake system, Fluid-pressure. F. S. Duesenberg. 1,681,030; Aug. 14.
- Brake system, Fluid-pressure. B. A. Linderman. 1,659,034; Feb. 14.
- Brake system, Hydraulic. B. S. Aikman. 1,660,466; Feb. 28.
- Brake systems, Attachment for hydraulic. M. H. Masure. 1,678,677; July 31.
- Brake test signal, Automatic air-. H. B. Marcum. 1,659,884; Feb. 21.
- Brake-testing device. J. B. Kennedy. 1,659,737; Feb. 21.
- Brake-testing device. E. T. Williams. 1,657,812; Jan. 31.
- Brake-testing device, Automobile. G. Diderrich. 1,686,229; Oct. 2.
- Brake-testing device for automobiles. D. Q. Wilkes. 1,669,584; May 15.
- Brake-valve device. C. C. Farmer. 1,681,575; Aug. 21.
- Brake-valve handle. C. C. Farmer. 1,671,090; May 22.
- Brakes, Adjustable cam for. B. G. Parsons. 1,664,828; Apr. 3.
- Brakes and the like, Facing member for. A. Bluhm. 1,682,319; Aug. 28.
- Brakes, Automatic slack adjuster for air. W. S. De Camp. 1,661,032; Feb. 28.
- Brakes, clutches, and the like, Friction member for. E. J. Desroziers. 1,656,778-9; Jan. 17.
- Brakes, Equalizing mechanism for automobile. J. E. Schmidt. 1,682,425; Aug. 28.
- Brakes, Making. V. Bendix. 1,689,766; Oct. 30.
- Braking apparatus. B. Dick. 1,659,811; Feb. 21.
- Braking apparatus, Fluid-pressure. C. W. Sproull. 1,694,193; Dec. 4.
- Braking apparatus, Hydraulic. M. Charles. 1,680,204; Aug. 7.
- Braking device. F. P. Dunn. 1,664,287; Mar. 27.
- Braking device. L. Zamboni. 1,671,879; May 29.
- Braking device and method of causing braking effect. W. Meysenburg. 1,679,367; Aug. 7.
- Braking device for automobiles, Automatic. A. N. White. 1,687,913; Oct. 16.
- Braking device for electric cars and the like. O. P. Smith. 1,656,298; Jan. 17.
- Braking device for elevators. F. H. Milks. 1,670,779; May 22.
- Braking device for vehicles. A. I. Kaplon. 1,694,181; Dec. 4.
- Braking mechanism. H. Collier. 1,657,069; Jan. 24.
- Braking mechanism. A. C. Dahl. 1,656,174; Jan. 17.
- Braking mechanism for automobiles. E. P. du Pont. 1,681,224; Aug. 21.
- Braking mechanism for front wheels on motor cars. E. Poulet. 1,692,139; Nov. 20.
- Braking mechanism for printing machines. H. V. James. 1,672,320; June 5.
- Braking mechanism for single-track vehicles, Equalized. E. F. von Luettwitz. 1,674,751; June 26.
- Braking, Regenerative. P. W. Forsberg. 1,696,599; Dec. 25.
- Braking system. W. J. Andres. 1,660,951; Feb. 28.
- Braking system. L. C. Freeman, H. E. Maynard, and C. Breer. 1,670,533; May 22.
- Braking system for motor-driven machinery. T. H. Rodman. 1,664,185; Mar. 27.
- Branding machine, Fruit-. E. A. Robbins. 1,685,645; Sept. 25.
- Brassière. J. Hirsch. 1,655,224; Jan. 3.
- Brassière. J. W. Krause. 1,666,421; Apr. 17.
- Brassière. M. Leuchtag. 1,670,684; May 22.
- Brassière. F. H. Morrison. 1,667,796; May 1.
- Brassière. E. S. Standish. 1,662,345; Mar. 13.
- Brassière bust supporter. H. Imersheim and L. E. Ginsburg. 1,664,926; Apr. 3.
- Brazing machine, Electric. A. T. Koehler. 1,679,088; July 31.
- Bread-basket rack. B. G. Howe. 1,683,675; Sept. 11.
- Bread improver. A. H. Fiske. 1,657,116; Jan. 24.
- Bread-making apparatus. G. H. Petri. 1,692,860; Nov. 27.
- Bread, Manufacture of. H. A. Kohman. 1,655,707; Jan. 10.
- Bread, Manufacturing leavened. A. K. Epstein. 1,657,379; Jan. 24.
- Bread mixer. G. Solarz. 1,688,211; Oct. 16.
- Bread proofer. J. M. Morrill. 1,677,043; July 10.
- Bread proofing, kneading, and molding machine. J. Larraburu. 1,657,018; Jan. 24.
- Bread-roll press. F. Magaziner. 1,680,463; Aug. 14.
- Bread-splitting machine. J. C. Freeman. 1,680,779; Aug. 14.
- Breaker-applying device. D. L. Williams. 1,665,831; Apr. 10.
- Breaker strips in the manufacture of tire casings, Applying. T. Midgley. 1,689,793; Oct. 30.
- Breakfast set. H. A. Bubb. 1,668,759; May 8.
- Breaking the dried coating on sheet material, Apparatus for. A. C. Van Sluys. 1,674,580; June 19.
- Breather bag. J. E. Moore. 1,681,676; Aug. 21.
- Breather bag. R. E. Wilson. 1,669,183; May 8.
- Breather-pipe attachment. C. Priddy. 1,672,135; June 5.
- Breathing apparatus particularly for administering anesthetics. H. W. C. Schröder. 1,693,730; Dec. 4.
- Breathing apparatus, Self-contained. A. B. Dräger. 1,684,664; Sept. 18.
- Breathing device. A. B. Dräger. 1,691,648; Nov. 13.
- Breathing device, Self-contained lung-power. A. B. Dräger. 1,695,537; Dec. 18.
- Breathing or respiration, Apparatus for producing or promoting artificial. R. Eisenmenger. 1,670,301; May 22.
- Breech-opening mechanism. G. M. McCann. 1,662,977; Mar. 20.
- Breech sight for ordnance and machine guns. K. Petschenig. 1,684,681; Sept. 18.
- Brick. P. J. Clune. Des. 75,212; May 22.
- Brick. H. O. W. Howcott. 1,661,946; Mar. 6.

- Brick. N. J. Lee. 1,664,219; Mar. 27.
 Brick and making the same, Sintered magnesite. K. Harr. 1,694,540; Dec. 11.
 Brick and other material, Method and apparatus used in the burning of. F. B. Lambert and F. E. Lammert. 1,659,604; Feb. 21.
 Brick, Arch. R. J. Himmelright. 1,695,459; Dec. 18.
 Brick, Baffle. M. Solon. Des. 74,198; Jan. 3.
 Brick, Building. H. R. Straight. 1,688,902; Oct. 23.
 Brick, Composite. W. R. Chapin. 1,681,028; Aug. 14.
 Brick construction, Interlocking. D. Tambone. 1,681,631; Aug. 21.
 Brick-course gauge. J. R. Ellis. 1,693,227; Nov. 27.
 Brick-cutting machine. F. B. Dunn. 1,674,197; June 19.
 Brick delivering and stacking means. L. N. Dyhrberg. 1,694,586; Dec. 11.
 Brick display case. W. C. Koch. 1,676,445; July 10.
 Brick for furnace-wall construction. O. Nygaard. 1,696,813; Dec. 25.
 Brick machine. O. Fielding. 1,655,898; Jan. 10.
 Brick machine. F. Miller. 1,693,179; Nov. 27.
 Brick, Making ornamental. E. C. Hervey. 1,672,938; June 12.
 Brick, Manufacturing magnesite. B. M. O'Harra and E. A. Slagle. 1,686,876; Oct. 9.
 Brick-mason's gauge. A. O. Graham. 1,677,821; July 17.
 Brick mold. J. H. Beckwith. 1,685,188; Sept. 25.
 Brick-molding machine. D. G. Mackenzie. 1,672,619; June 5.
 Brick or block, Combined reversible nailing and chase-forming. D. W. Anderson. 1,668,348; May 1.
 Brick-pallet-setting installation. J. B. Mayone. 1,668,118; May 1.
 Brick press, Hydraulic. F. E. Stevenson. 1,654,761; Jan. 3.
 Brick Side arch. E. M. Carroll. Re17,052; July 31.
 Bridge. J. B. Strauss. 1,663,359; Mar. 20.
 Bridge. J. B. Strauss. 1,680,821; Aug. 14.
 Bridge. W. Wait. 1,666,586; Apr. 17.
 Bridge bidding board, Silent. C. A. Searle. 1,656,993; Jan. 24.
 Bridge, Crane. J. A. Shepard. 1,671,131; May 29.
 Bridge, Crossing. P. Ebeling. 1,674,279; June 19.
 Bridge, Ferry. P. C. Kelly and H. A. Landis. 1,676,993; July 10.
 Bridge, Ferry. A. T. Prescott. 1,694,516; Dec. 11.
 Bridge for an ophthalmic mounting. F. R. Bishop. Des. 76,517; Oct. 9.
 Bridge for spectacles. E. Pappert. Des. 75,868; July 24.
 Bridge lock. I. Erdal. 1,659,250; Feb. 14.
 Bridge member for an ophthalmic mounting. J. I. Twombly. Des. 76,722; Oct. 23.
 Bridgework, Removable. H. A. Adler. 1,664,726; Apr. 3.
 Bridging construction for joists. P. Stone. 1,685,729; Sept. 25.
 Bridging the connecting wires of electric blasting caps. J. Stuart. 2d. 1,685,382; Sept. 25.
 Bridle bit. W. L. Koch. 1,660,490; Feb. 28.
 Brief bag. T. W. Johnson. 1,666,878; Apr. 17.
 Brief case. J. Roth. 1,655,822; Jan. 10.
 Brine circulator. J. G. Bergdoll. 1,683,949; Sept. 11.
 Brine or other liquors, Production of clear. A. W. Allen. 1,687,703; Oct. 16.
 Brine tank. T. C. Whitehead. 1,685,794; Oct. 2.
 Brine to be used in electrolytic processes, Purifying. J. Drucker. 1,687,433; Oct. 9.
 Bringing and holding heavy welding pieces in a suitable position during the welding process, Device for. E. O. Edelmann. 1,684,123; Sept. 11.
 Briquette and making same, Fuel. H. H. Hansard. 1,675,266; June 26.
 Briquette and making the same. A. L. Stillman. 1,677,994; July 24.
 Briquette and manufacture. L. M. Johnston and J. L. Farrell. 1,655,728; Jan. 10.
 Briquette and producing it. R. M. Hale. 1,678,387; July 24.
 Briquette and using it, Metallurgical. W. B. Runyan. 1,666,312; Apr. 17.
 Briquette containing phosphate rock. J. A. Barr. 1,655,981; Jan. 10.
 Briquette forming and drying machine, Fuel-. W. C. Carpenter. 1,655,534; Jan. 10.
 Briquette machine, Fuel-. W. C. Carpenter. 1,655,535; Jan. 10.
 Briquettes and product thereof, Producing. W. T. Miller. 1,670,865; May 22.
 Briquettes, Making. P. Jung. 1,675,272; June 26.
 Briquetting. A. Carlson. 1,666,618; Apr. 17.
 Briquetting. P. C. Mulligan. 1,683,094; Sept. 4.
 Briquetting apparatus. J. H. Davis and A. H. Valentine. 1,679,408; Aug. 7.
 Broach. W. C. Hollister and L. M. Chapman. 1,682,515; Aug. 28.
 Broach mechanism. H. D. Croft. 1,688,177; Oct. 16.
 Broach mechanism. J. Oakley and H. D. Croft. 1,684,139; Sept. 11.
 Broach mechanism. J. L. Perkins and H. D. Croft. 1,660,812-13; Feb. 28.
 Broach mechanism. J. L. Perkins and H. D. Croft. 1,684,140; Sept. 11.
 Broach with adjustable broaching members. W. De Voe and J. J. Ward. 1,692,977; Nov. 27.
 Broaching machine. O. J. Dansereau. 1,669,403-5; May 8.
 Broaching machine. J. Hosking. 1,669,402; May 8.
 Broaching machine. J. Oakley. 1,692,564; Nov. 20.
 Broaching machine, Hydraulic. F. J. Lapointe. 1,687,369; Oct. 9.
 Broiler, Electric. H. O. Dalbey, sr. 1,690,570; Nov. 6.
 Broiling meat, Apparatus for. C. W. Carter. 1,656,662; Jan. 17.
 Bromine recovery. J. P. Andrew. 1,662,355; Mar. 13.
 Bromine recovery. G. Edgar. 1,662,305; Mar. 13.
 Brooch. H. D. Croft. 1,677,815; July 17.
 Brooch, Combination cameo. H. Voskerchian. 1,660,181; Feb. 21.
 Brooch or similar article. B. Mechlovits. Des. 76,881-2; Nov. 13.
 Brooch or similar article. B. Mechlovits. Des. 76,949; Nov. 20.
 Brooch or similar article. B. Mechlovits. Des. 77,113; Dec. 4.
 Brooch or similar article. B. Mechlovits. Des. 77,177-80; Dec. 11.
 Brooch or similar article. B. Mechlovits. Des. 77,249; Dec. 18.
 Brooch or similar article. O. Pennino. Des. 76,039; Aug. 14.
 Brooch or similar article, metal. B. Mechlovits. Des. 76,883; Nov. 13.
 Brooches and like pins, Pin joint for. E. A. Scott, jr. 1,660,976; Feb. 28.
 Brooder. O. J. Haugen. 1,688,925; Oct. 23.
 Brooder. I. Mead. 1,671,039; May 22.
 Brooder. M. Resek. 1,679,920; Aug. 7.
 Brooder. W. C. Sanctuary and W. A. Jones. 1,658,690; Feb. 7.
 Brooder. W. C. Sanctuary and W. A. Jones. 1,679,271; July 31.
 Brooder. W. E. Straw. 1,676,583; July 10.
 Brooder, Chick. E. M. Pierce. 1,693,049; Nov. 27.
 Brooder, chicken. A. Sjostrom. 1,683,926; Sept. 11.
 Brooder for chickens. V. R. Rostek. 1,679,009; July 31.
 Brooder, Furnace. F. W. Lord. 1,676,194; July 3.
 Brooder heater. G. E. Lear. 1,685,879; Oct. 2.
 Brooder house. L. H. Dickelman. 1,670,932; May 22.
 Brooder, Storage. F. W. Lord. 1,665,102; Apr. 3.
 Broom. T. H. French. 1,659,194; Feb. 14.
 Broom. M. C. Newton and J. A. Gremling. 1,691,985; Nov. 20.
 Broom attachment for sweeping machines, Gutter. M. V. Liddell. 1,687,728; Oct. 16.
 Broom, Barn. R. F. Bateman. 1,680,197; Aug. 7.
 Broom, Dust-laying. M. R. Behling. 1,666,369; Apr. 17.
 Broom-handle brace. R. R. Brock. 1,689,109; Oct. 23.
 Broom handle, Flexible. M. R. Morton. 1,674,983; June 26.
 Broom holder or rack. W. Perry. 1,668,600; May 8.
 Broom rake. F. E. Conley. 1,680,593; Aug. 14.
 Brush. A. Albright, jr. 1,688,318; Oct. 23.
 Brush. E. F. Astley. 1,676,812; July 10.
 Brush. E. F. Astley. 1,693,329; Nov. 27.
 Brush. E. F. Astley. 1,694,306; Dec. 4.
 Brush. G. V. Brannstrom and V. J. Carlson. 1,689,517; Oct. 30.
 Brush. G. C. Cleaves. 1,663,584; Mar. 27.
 Brush. E. L. H. Cosby. 1,661,926; Mar. 6.
 Brush. E. L. H. Cosby. 1,683,530; Sept. 4.
 Brush. L. F. Exley. 1,684,481; Sept. 18.
 Brush. J. B. Field. 1,674,593; June 19.
 Brush. C. E. Frost. 1,683,456; Sept. 4.
 Brush. A. V. and J. T. Hart. 1,657,121; Jan. 24.
 Brush. A. V. and J. T. Hart. 1,693,384; Nov. 27.
 Brush. O. T. Hazzard. Des. 76,238; Sept. 4.
 Brush. A. L. Hoffman. 1,683,618; Sept. 11.
 Brush. W. Lapinoja. 1,684,631; Sept. 18.
 Brush. W. Reese. 1,695,124; Dec. 11.
 Brush. J. P. Rodgers. 1,656,237; Jan. 17.
 Brush. W. H. Rudolph and L. V. Lucia. 1,659,707; Feb. 21.
 Brush. F. Sikorski. 1,683,494; Sept. 4.
 Brush. H. E. Smith. Des. 75,811; July 17.
 Brush. J. C. Steiner. 1,690,757; Nov. 6.
 Brush. P. W. Stone. 1,664,797; Apr. 3.
 Brush. H. L. White. 1,671,334; May 29.
 Brush. H. H. Wright. 1,681,453; Aug. 21.
 Brush and comb, Combined. B. and D. Oshman. 1,672,468; June 5.
 Brush and dust pan, Combination. G. R. Lanman. 1,669,302; May 8.
 Brush and handle for vacuum cleaners. A. A. Serva. 1,686,934; Oct. 9.
 Brush and mop holder, Combination. B. C. Clement. 1,657,613; Jan. 31.
 Brush and soap outfit, Shaving. H. A. Whiteside. 1,686,055; Oct. 2.
 Brush attachment. S. A. Steinarsen. 1,696,816; Dec. 25.
 Brush attachment, Floor. H. Klingenberg. 1,694,327; Dec. 4.
 Brush, Automobile cleaning. R. M. Cummins. 1,694,733; Dec. 11.
 Brush, Automobile soap shower and rinsing. W. Kundel. 1,655,375; Jan. 3.
 Brush back. T. A. De Vilbiss. Des. 76,460-2; Oct. 2.
 Brush, Blower. E. Davenes. 1,668,357; May 1.
 Brush, Bottle. B. B. Jackson. 1,678,943; July 31.
 Brush, Bottle-cleaning. E. H. Wittenberg. 1,680,713; Aug. 14.
 Brush, Bromoll. E. Mayer. 1,663,208; Mar. 20.

- Brush cleaner. C. Majewski. 1,689,209; Oct. 30.
 Brush, Collapsible-tube. R. G. Evans. 1,661,607; Mar. 6.
 Brush, Combination bowl and rim. J. I. Anderson. 1,660,318; Feb. 28.
 Brush construction. A. M. Jensen. 1,676,557; July 10.
 Brush construction. F. Nilsson. 1,678,950; July 31.
 Brush-cutting machine. W. S. Goulet. 1,656,517; Jan. 17.
 Brush, Demountable. L. L. Mosquera. 1,684,358; Sept. 11.
 Brush, Dental-plate. M. J. Barchfeld. 1,674,154; June 19.
 Brush, Denture. H. W. Faubert and E. E. Wheelock. Des. 75,971; Aug. 7.
 Brush, Denture. H. W. Faubert and E. E. Wheelock. 1,696,433; Dec. 25.
 Brush, Dusting. K. Atamian. 1,659,622; Feb. 21.
 Brush, Electrical hair or massage. A. Lloyd. 1,664,457; Apr. 8.
 Brush-filling apparatus and filling brush pads. W. T. Sherman. 1,695,159; Dec. 11.
 Brush for automobiles, Fountain. R. M. Withycombe. 1,665,153; Apr. 3.
 Brush for cleaning artificial dentures. M. J. Barchfeld. 1,683,947; Sept. 11.
 Brush for cleaning the types on type-writing machines, Steel-wire. H. Bauer. 1,674,236; June 19.
 Brush for generators, etc. A. A. Schupp. 1,664,708; Apr. 8.
 Brush for grainer pipes, Automatically-actuated. T. C. Colbjornsen. 1,693,689; Dec. 4.
 Brush for vacuum cleaners. W. J. Wise and T. O. Adams. 1,663,365; Mar. 20.
 Brush for wool-combing machines, Dabbing. P. Henry. 1,692,836; Nov. 27.
 Brush, Fountain. E. F. Astley. 1,693,330; Nov. 27.
 Brush, Fountain. J. J. Cheron. 1,676,857; July 10.
 Brush, Fountain. T. Sandretto. 1,693,161; Nov. 27.
 Brush, Fountain. J. W. Zimmer. 1,668,931; May 8.
 Brush, Fountain soap. F. H. Basset. 1,682,470; Aug. 28.
 Brush, Fur. H. Hertzberg. 1,657,752; Jan. 31.
 Brush, Gin. H. Beaver. 1,682,950; Sept. 4.
 Brush guard. P. H. Robinson. 1,667,082; Apr. 24.
 Brush, Hair. W. H. Blake. 1,666,081; Apr. 17.
 Brush kit. C. A. Oddo. 1,667,044; Apr. 24.
 Brush, knife, and roller, Combination. J. F. Connor. 1,693,745; Dec. 4.
 Brush, Lather. O. D. Earon. 1,685,526; Sept. 25.
 Brush-lifting mechanism for electric motor or the like. G. H. Leland. 1,666,459; Apr. 17.
 Brushlike implement for painting with liquid substances. E. Blank. 1,682,657; Aug. 28.
 Brush machine. W. D. Lipps. 1,654,655; Jan. 3.
 Brush machine, Universal. C. Jobst. 1,680,521; Aug. 14.
 Brush machines, Continuous trimmer for. C. Jobst. 1,664,425; Apr. 3.
 Brush machines, Handle-feeding mechanism for. W. S. Elliot and G. E. Lindgren. 1,676,639; July 10.
 Brush machines, Multiple work clamp for. C. Jobst. 1,664,423; Apr. 3.
 Brush machines, Positioning mechanism for. W. Noble. 1,654,750; Jan. 3.
 Brush machines, Shifting device for positioning mechanism for. W. S. Elliot. 1,676,640; July 10.
 Brush machines, Tuft-deflecting device for. A. Mertes. 1,661,438; Mar. 6.
 Brush machines, Tuft-separating mechanism for. C. Jobst. 1,664,424; Apr. 3.
 Brush machines, Work holder for. C. Jobst. 1,664,422; Apr. 3.
 Brush machines, Work holder for. C. Jobst. 1,680,520; Aug. 14.
 Brush machines, Work holder for. C. Jobst. 1,687,250; Oct. 9.
 Brush-making machine. W. S. Elliot and W. Noble. 1,677,672; July 17.
 Brush-making machine. C. Jobst. 1,664,420; Apr. 3.
 Brush-making machine. J. W. Michaelis. 1,690,420; Nov. 6.
 Brush mill. W. M. McClearn. 1,657,682; Jan. 31.
 Brush, Motor-driven. M. Kaplan. 1,692,744; Nov. 20.
 Brush, Motor-driven rotary tooth. G. C. Farmer. 1,692,980; Nov. 27.
 Brush mounting for suction cleaners. B. B. Jackson. 1,676,782; July 10.
 Brush-operating apparatus. F. Sferlazzo. 1,657,229; Jan. 24.
 Brush or similar article, Lather. A. Albright, jr. Des. 75,892; July 31.
 Brush, Porcelain-handle. L. Fuld. 1,663,908; Mar. 27.
 Brush, Power-operated cleaning. L. F. H. Carew. 1,657,880; Jan. 31.
 Brush reading device for combinational hole records. J. W. Bryce. 1,664,539; Apr. 3.
 Brush, Rotary. R. R. Radinse. 1,675,616; July 3.
 Brush, Rotary. E. B. Stack. 1,673,094; June 12.
 Brush, Rotary hydraulic bath. W. E. Burnett. 1,696,835; Dec. 25.
 Brush, Rotary wire. R. R. Radinse. 1,675,617; July 3.
 Brush, Rotatable. R. C. Mudge and E. A. Gallison. 1,694,018; Dec. 4.
 Brush, Sanitary. E. S. and A. P. Kogler. 1,685,328; Sept. 25.
 Brush, Scrubbing. G. Cohen. 1,687,831; Oct. 16.
 Brush, Self-feeding. C. R. De Nardis and J. J. Albin. 1,672,376; June 5.
 Brush, Shaving. A. Albright. 1,694,364-5; Dec. 11.
 Brush, Shaving. G. Boka. 1,681,836; Aug. 21.
 Brush, Shaving. R. D. De Villegas. 1,695,141; Dec. 11.
 Brush, Shaving. S. W. Kendrick and J. E. Martin. 1,674,972; June 26.
 Brush, Shaving. S. W. Kendrick. 1,678,146; July 24.
 Brush, Shaving. J. M. Werner. 1,689,987; Oct. 30.
 Brush, Shoe. R. M. Ingles. 1,660,753; Feb. 28.
 Brush, Single-service. C. J. Francois, sr. 1,683,538; Sept. 4.
 Brush-stamping machine. W. S. Elliot. 1,671,982; June 5.
 Brush, Stripping. P. Breitenbach. 1,689,855; Oct. 30.
 Brush structure. J. M. Acheson. 1,684,855; Sept. 18.
 Brush, Timer. C. Day. 1,675,925; July 3.
 Brush, Timer. C. C. Phillips. 1,672,230; June 5.
 Brush, Wall. A. G. Denman. 1,663,194; Mar. 20.
 Brush with combs, Combined. B. and D. Oshman. 1,672,469; June 5.
 Brushing and polishing apparatus, Citrus-fruit. L. N. Haley. 1,690,195; Nov. 6.
 Brushing machine. J. Hagen. 1,687,201; Oct. 9.
 Brushing machine. H. W. Lormer. 1,691,399; Nov. 13.
 Brushing machine for circular objects. E. H. Atwood, W. E. Wanner, and T. L. Reese. 1,662,995; Mar. 20.
 Brushes and brooms, Bristle-holding device for. L. E. Goeller. 1,680,512; Aug. 14.
 Brushes, grind in valves, and other purposes, Appliance adapted to revolve. H. Dodson. 1,663,627; Mar. 27.
 Brushes, Making. C. R. Hubbard. 1,677,920; July 24.
 Brushes, Making rubber. R. M. Withycombe. 1,678,545; July 24.
 Brushes, Manufacturing. R. M. Withycombe. 1,665,152; Apr. 3.
 Bubble cap for bubble-cap towers. E. Burke. 1,674,464; June 19.
 Bubble cap for gas and liquid contact apparatus. C. M. Alexander. 1,673,895; June 19.
 Bubble tower. L. E. Winkler and F. C. Koch. 1,686,542; Oct. 9.
 Buck for clothes-pressing machines. J. H. Ellis. 1,695,760; Dec. 18.
 Bucket. H. S. Atkinson. 1,688,324; Oct. 23.
 Bucket. H. S. Atkinson. 1,692,195; Nov. 20.
 Bucket. E. H. Radford. 1,656,531; Jan. 17.
 Bucket and bailer, Dump. E. Gray. 1,663,591; Mar. 27.
 Bucket brake. F. G. Kraft and A. E. Guenther. 1,672,817; June 5.
 Bucket, Clamshell. E. L. Harrington. 1,657,926; Jan. 31.
 Bucket, Collapsible. P. R. Woolf. 1,680,191; Aug. 7.
 Bucket conveyer, Pivoted. L. H. Draeger. 1,671,017; May 22.
 Bucket, Drag. J. H. Gunnison. 1,655,013; Jan. 3.
 Bucket, Excavating. A. Grout. 1,664,359; Mar. 27.
 Bucket for rotary pumps. W. W. McElrath. 1,685,003; Sept. 18.
 Bucket for use in hardening furnaces. J. M. Washburn. 1,690,466; Nov. 6.
 Bucket, Fruit-picking. O. N. Dahl. 1,657,152; Jan. 24.
 Bucket, Gasoline. P. Mueller. 1,683,571; Sept. 4.
 Bucket hanger. F. F. Light. 1,667,211; Apr. 24.
 Bucket, Lever-arm. P. T. Robin and W. M. Venable. 1,686,176; Oct. 2.
 Bucket, One-piece drag-line. W. S. McKee and W. G. Nichols. 1,668,166; May 1.
 Buckle. C. E. Anderson. 1,663,745; Mar. 27.
 Buckle. H. P. Baltzer. 1,684,786; Sept. 18.
 Buckle. G. W. Brown. 1,696,293; Dec. 25.
 Buckle. C. J. Dahlgren. 1,666,528-9; Apr. 17.
 Buckle. F. Hauertwas. 1,671,366; May 29.
 Buckle. W. L. Myers. 1,656,751; Jan. 17.
 Buckle. B. H. White. 1,670,395; May 22.
 Buckle. C. C. Wolverton. 1,662,840; Mar. 20.
 Buckle, Bale-tie. J. A. Todd. 1,688,365; Oct. 23.
 Buckle, Belt. A. H. Beck. 1,678,417; July 24.
 Buckle, Belt. F. P. Daughaday. Des. 76,380; Sept. 25.
 Buckle, Belt. W. Dieterich. Des. 76,182; Aug. 28.
 Buckle, Belt. R. F. Eichner. Des. 76,183-4; Aug. 28.
 Buckle, Belt. R. F. Eichner. Des. 76,292; Sept. 11.
 Buckle, Belt. R. F. Eichner. Des. 75,480; June 12.
 Buckle, Belt. R. F. Eichner. Des. 76,466; Oct. 2.
 Buckle, Belt. R. F. Eichner. Des. 76,785; Nov. 6.
 Buckle, Belt. R. F. Eichner. Des. 77,222; Dec. 18.
 Buckle, Belt. J. B. Freysinger. 1,688,328; Oct. 23.
 Buckle, Belt. W. L. Hamric. 1,654,805; Jan. 3.
 Buckle, Belt. H. G. Hancock. 1,692,654; Nov. 20.
 Buckle, Belt. G. R. Houghtaling. 1,663,006; Mar. 20.
 Buckle, Belt. E. S. Mix. Des. 77,253; Dec. 18.
 Buckle, Belt. W. A. Ormsbee. Des. 75,640; June 26.
 Buckle, Belt. A. Primak. 1,660,765; Feb. 28.
 Buckle, Belt. A. Primak. 1,692,418; Nov. 20.
 Buckle, Belt. G. W. Troop. 1,680,488; Aug. 14.
 Buckle, Belt. H. C. Vaisey. Des. 76,506; Oct. 2.
 Buckle. Belt. C. K. Wanninger, and H. Hofmann. 1,682,450; Aug. 28.
 Buckle, Flexible belt. G. Abraham. 1,658,425; Feb. 7.
 Buckle, Garter. F. E. Wilson. 1,687,816-17; Oct. 16.
 Buckle, Harness. F. E. Burrall. Des. 76,230; Sept. 4.
 Buckle, Slide. F. Hirsch. 1,679,306; July 31.
 Buckle, Slide. R. J. Hodge. 1,688,046; Oct. 16.
 Buckle, Slide. A. H. Kerngood. 1,696,166; Dec. 18.
 Buckle, Slide. R. A. Moore and J. R. La Vigne. 1,678,264; July 24.
 Buckle, Slide. C. A. Mosgrove. 1,695,056; Dec. 11.
 Buckles, Attaching shoe. W. S. Shaft. 1,679,687; Aug. 7.

- Buffer. H. S. Anderson and J. B. Brown. 1,665,292; Apr. 10.
- Buffer, Bias. F. L. Yerges, deceased; A. N. Yerges, executor. 1,669,224; May 8.
- Buffer construction, Duplex. G. A. Lyon. 1,687,376; Oct. 9.
- Buffer for automobiles. Y. Miyaoka. 1,686,164; Oct. 2.
- Buffer for machines for finishing flooring. E. C. Dittmar. 1,688,378; Oct. 23.
- Buffer for motor vehicles, Spring. W. B. Glover and W. H. Richardson. 1,683,541; Sept. 4.
- Buffer, Magazine. H. MacDougall, and W. G. Kendall. 1,685,333; Sept. 25.
- Buffer, Manicuring. Z. R. Lucas and G. E. Carpenter. 1,665,710; Apr. 10.
- Buffer mechanism. W. Hamilton. 1,661,177; Mar. 6.
- Buffer mechanism. S. B. Haseltine. 1,667,800; May 1.
- Buffer or bumper for amusement vehicles or cars. D. H. Scott. 1,692,095; Nov. 20.
- Buffet. C. Holt. Des. 75,731; July 10.
- Buffet table. J. C. Reid. 1,694,283; Dec. 4.
- Buffing machine. E. F. H. Enna. 1,656,182; Jan. 17.
- Buffing mechanism. J. F. O'Connor. 1,682,021; Aug. 28.
- Buffing mechanism. J. F. O'Connor. 1,635,177-8; Sept. 25.
- Builder for spinning mules. Buch. T. H. Riley and A. H. Flint. 1,695,028; Dec. 11.
- Building. C. W. Buckham. 1,694,309; Dec. 4.
- Building. F. E. d'Humy. 1,658,800; Feb. 14.
- Building. G. H. Natzel and F. E. Jackson. Des. 75,511; June 12.
- Building. C. A. Windeknecht. 1,663,473; Mar. 20.
- Building. W. E. Wolfe. Des. 77,141; Dec. 4.
- Building and method of construction. G. E. Bradbury. 1,689,320; Oct. 30.
- Building block. H. F. Adams. 1,684,050; Sept. 11.
- Building block. L. J. Campbell. 1,665,442; Apr. 10.
- Building block. P. J. Conley. 1,675,093; June 26.
- Building block. C. A. Dwyer and W. A. Wheeler. 1,686,270; Oct. 2.
- Building block. Van E. Easterday, sr. 1,671,893; May 29.
- Building block. S. Gangmark. 1,680,781; Aug. 14.
- Building block. H. R. Loughridge. 1,686,757; Oct. 9.
- Building block. E. Lucas. 1,657,861; Jan. 31.
- Building block. M. Polacoff. 1,682,414; Aug. 28.
- Building block. J. T. Sentrop. 1,661,739; Mar. 6.
- Building block. R. Steppe. 1,670,286; May 15.
- Building block. F. J. Straub. 1,682,360; Aug. 28.
- Building block. G. Studley, jr. 1,695,443; Dec. 18.
- Building block and wall construction. H. Wittman. 1,671,501; May 29.
- Building block, Cellular. H. S. Ashenburt. 1,671,216; May 29.
- Building block, Concrete. C. Lawrence. 1,661,044; Feb. 28.
- Building block, Gypsum. C. Payne. 1,661,009; Feb. 28.
- Building block, Hollow clay-tile. R. G. Bone. 1,683,441; Sept. 4.
- Building-block mold. C. J. Dexter. 1,693,693; Dec. 4.
- Building-block mold, Composition. O. P. Fuller. 1,689,282; Oct. 30.
- Building block or brick. F. L. Bradley. 1,689,107; Oct. 23.
- Building block or tile construction. H. D. Foster. 1,686,373; Oct. 2.
- Building block, Ventilated. W. Meyer. 1,680,626; Aug. 14.
- Building blocks. D. F. Shope. 1,678,882; July 31.
- Building blocks, Apparatus for forming plastic. E. J. Benson, C. F. Westberg, and C. W. and E. Fernholtz. 1,659,987; Feb. 21.
- Building blocks, Method and apparatus for making. A. Weiss. 1,678,613; July 24.
- Building-column connection. J. Lally. 1,658,129; Feb. 7.
- Building construction. J. A. Beasley. 1,675,243; June 26.
- Building construction. A. F. Bemis. 1,671,462; May 29.
- Building construction. A. F. Bemis. 1,693,742; Dec. 4.
- Building construction. P. H. Bevier. 1,679,599; Aug. 7.
- Building construction. A. Black. 1,683,600; Sept. 11.
- Building construction. A. L. Bobbs. 1,684,387; Sept. 18.
- Building construction. A. Braunstein. 1,688,134; Oct. 16.
- Building construction. H. R. Bristol. 1,677,267; July 17.
- Building construction. J. E. De Baun. 1,684,127; Sept. 11.
- Building construction. G. L. C. Earle. 1,654,683; Jan. 3.
- Building construction. F. H. Franson. 1,666,235; Apr. 17.
- Building construction. A. Friedland. 1,671,279; May 29.
- Building construction. C. W. Glover. 1,678,504; July 24.
- Building construction. J. Govan and H. S. Ashenburt. 1,671,946; May 29.
- Building construction. J. S. Groves. 1,657,964; Jan. 31.
- Building construction. J. S. Ketterman. 1,677,140; July 17.
- Building construction. S. Klein. 1,679,672; Aug. 7.
- Building construction. D. E. McAvoy. 1,692,508; Nov. 20.
- Building construction. G. F. Schmitt. 1,672,914; June 12.
- Building construction. K. R. Schuster. 1,693,941; Dec. 4.
- Building construction. R. O. Smith. 1,673,760; June 12.
- Building construction. E. F. Techmer. 1,684,605; Sept. 18.
- Building construction. F. M. Venzie. 1,659,932; Feb. 21.
- Building construction. F. M. Venzie. 1,670,129; May 15.
- Building construction. C. E. Williams. 1,662,177; Mar. 13.
- Building construction and block. G. Huovinen. 1,657,441; Jan. 24.
- Building construction, Apparatus for. W. Peabody. 1,668,599; May 8.
- Building construction, Concrete. A. Henderson. 1,656,197; Jan. 17.
- Building construction, Concrete. S. Lake. 1,679,040; July 31.
- Building construction, Metal. J. J. Muryn. 1,664,463; Apr. 3.
- Building construction, System of. G. F. Pawling. 1,658,613; Feb. 7.
- Building element. I. A. Baum. 1,686,724; Oct. 9.
- Building element. F. M. Venzie. 1,666,318; Apr. 17.
- Building element, Reinforced. K. Wettstein. 1,670,557; May 22.
- Building front. F. R. Merrill. Des. 76,491; Oct. 2.
- Building front, Sub. or removable. H. W. Lawrence. 1,676,493; July 10.
- Building. Knockdown. W. C. Broughton. 1,654,853; Jan. 3.
- Building material. G. Cohen. 1,677,073; July 10.
- Building material. R. P. Perry. 1,663,095; Mar. 20.
- Building material, Acoustic. J. H. Delaney. 1,660,745; Feb. 28.
- Building material, Making. J. J. Miller. 1,681,493; Aug. 21.
- Building material, Production of porous. G. M. Thomson. 1,660,280; Feb. 21.
- Building material, Tar-laid. S. A. Gates. 1,692,438; Nov. 20.
- Building materials, Apparatus for the production of cellular. G. M. Thomson. 1,660,243; Feb. 21.
- Building materials or the like of clay, Manufacture of burnt. H. Groenroos. 1,664,815; Apr. 3.
- Building materials, Production of cellular. G. M. Thomson. 1,660,402; Feb. 28.
- Building, Memorial. A. T. Nelson. Des. 75,862; July 24.
- Building method. F. B. Daggett. 1,655,676; Jan. 10.
- Building monolithic concrete underground structures. H. B. Arden. 1,684,816; Sept. 18.
- Building, Portable. F. Förster. 1,683,966; Sept. 11.
- Building, Portable. G. F. Hobson. 1,673,788; June 12.
- Building, Portable. G. F. Slater. 1,656,682; Jan. 17.
- Building slab and making same. C. E. McManus. 1,692,783; Nov. 20.
- Building structure. D. H. Diehl. 1,658,373; Feb. 7.
- Building structure. F. M. Venzie. 1,672,103; June 5.
- Building, Subterranean. C. B. Lawton. 1,682,679; Aug. 28.
- Building unit and construction. F. W. Fitzpatrick. 1,666,199; Apr. 17.
- Building units, Apparatus for making. E. Crispin. 1,674,763; June 26.
- Building units, Method and apparatus for making. C. L. Norton. 1,667,434; Apr. 24.
- Building, Ventilated. P. Jarnowski. 1,686,453; Oct. 2.
- Buildings, Construction. V. D. Hedden. 1,694,542; Dec. 11.
- Buildings, Highway. J. K. Hencken. 1,694,383; Dec. 11.
- Bulb carrier, Extra-. F. G. Stimson. 1,680,484; Aug. 14.
- Bulb inserting and removing device, Lamp-. H. D. Grinnell. 1,658,017; Jan. 31.
- Bulb or similar article, Electric. G. Niebel. Des. 77,118; Dec. 4.
- Bulb rectifier. E. H. Rollinson. 1,661,579; Mar. 6.
- Bulk materials, Apparatus for handling. W. M. Venable. 1,663,574; Mar. 27.
- Bulk materials into batches, Method of and apparatus for handling, storing, and measuring. W. M. Venable. 1,682,872; Sept. 4.
- Bulkhead structure and the like. F. J. Plym. 1,658,855; Feb. 14.
- Bulkhead wall for culverts. C. M. Cornell. 1,664,503; Apr. 3.
- Bull hitch. T. Cushing. 1,660,258; Feb. 21.
- Bull hook. O. A. Wirkkala. 1,685,473; Sept. 25.
- Bull wheel. C. B. Pritchard. 1,676,925; July 10.
- Bullet and making same, Mushrooming. E. J. Johnson. 1,681,295; Aug. 21.
- Bullets and other projectiles, Projection of. R. S. Blair. 1,663,899; Mar. 27.
- Bulletin board. C. W. Nelson. 1,658,937; Feb. 14.
- Bulletin board. L. D. Smith. 1,669,308; May 8.
- Bulletin board. F. S. Wolstenholme. 1,667,091; Apr. 24.
- Bulletin rack. E. Mahon. 1,672,389; June 5.
- Bumper. W. G. Blake. 1,672,243; June 5.
- Bumper. F. H. Goodrich. 1,656,481; Jan. 17.
- Bumper. C. Gossman. 1,687,287; Oct. 9.
- Bumper. H. T. Hopwood. 1,658,847; Feb. 14.
- Bumper. H. S. Jandus. Des. 75,564; June 19.
- Bumper. H. S. Jandus and C. E. Rasmussen. Des. 75,120-1; May 8.
- Bumper. H. S. Jandus and C. E. Rasmussen. Des. 77,238; Dec. 18.
- Bumper. H. S. Jandus and L. H. Reed. 1,696,883; Dec. 25.
- Bumper. H. S. Jandus and N. Van Husen. Des. 75,122; May 8.
- Bumper. G. Johnson. 1,660,618; Feb. 28.
- Bumper. G. A. Lyon. 1,656,212; Jan. 17.
- Bumper. C. F. Marston. 1,673,692; June 12.
- Bumper. E. H. McCloud. 1,689,076; Oct. 23.

- Bumper, E. H. McCloud. 1,692,751; Nov. 20.
 Bumper, R. W. Nilsson. Des. 76,035; Aug. 14.
 Bumper, A. W. Nordgren and G. A. Burandt. 1,674,410; June 19.
 Bumper, F. N. Nutt. 1,665,320; Apr. 10.
 Bumper, C. E. Pryor. 1,688,432; Oct. 23.
 Bumper, F. C. Robie. 1,678,916; July 31.
 Bumper, K. O. Schauman, S. R. Yancey, and J. L. Mifsud. 1,658,574; Feb. 7.
 Bumper, K. O. Schauman, S. R. Yancey, and J. L. Mifsud. 1,669,536; May 15.
 Bumper, G. W. Veale. 1,695,786; Dec. 18.
 Bumper, H. M. Vickery. 1,677,506; July 17.
 Bumper, F. C. Walter. 1,656,026; Jan. 10.
 Bumper, M. J. Wilson. 1,692,482; Nov. 20.
 Bumper and body catcher, Automatic. C. H. Trieschmann. 1,655,445; Jan. 10.
 Bumper and bumper support. A. W. Nordgren and G. A. Burandt. 1,660,044; Feb. 21.
 Bumper and fender and mounting means therefor, Vehicle. H. Walker and F. A. Whitten. 1,685,618; Sept. 25.
 Bumper and fender guard. H. E. Sipe. 1,682,858; Sept. 4.
 Bumper and headlight, Combined. A. W. Pattison. 1,655,841; Jan. 10.
 Bumper and luggage carrier, Combined. E. P. Farum and E. H. Specht. 1,691,547; Nov. 13.
 Bumper and luggage carrier, Convertible. D. L. Benton. 1,668,188; May 1.
 Bumper and mounting therefor, Motor-vehicle. H. Walker. 1,665,336; Apr. 10.
 Bumper and safety appliance, Combined. J. H. White. 1,664,654; Apr. 3.
 Bumper and supporting means therefor, Automobile. J. S. Wernig. 1,671,174; May 29.
 Bumper and tire carrier, Automobile. E. H. McCloud. 1,689,148; Oct. 23.
 Bumper-attaching means. H. S. Jandus. 1,690,821; Nov. 6.
 Bumper, Automobile. F. G. Bremer. 1,667,528-9; Apr. 24.
 Bumper, Automobile. F. G. Bremer. 1,684,259; Sept. 11.
 Bumper, Automobile. F. G. Bremer. 1,696,187; Dec. 25.
 Bumper, Automobile. E. P. Bullard, jr. 1,661,786; Mar. 6.
 Bumper, Automobile. W. E. Dunston. 1,686,685; Oct. 9.
 Bumper, Automobile. A. Finn. 1,658,764; Feb. 7.
 Bumper, Automobile. E. E. Graves. 1,669,612; May 15.
 Bumper, Automobile. K. L. Harris. 1,679,823; Aug. 7.
 Bumper, Automobile. W. E. Hart. 1,670,963; May 22.
 Bumper, Automobile. W. E. Hart. 1,680,879; Aug. 14.
 Bumper, Automobile. W. E. Hart. 1,682,507; Aug. 28.
 Bumper, Automobile. W. E. Hart. 1,684,093; Sept. 11.
 Bumper, Automobile. E. J. Harvey. Des. 76,767; Nov. 6.
 Bumper, Automobile. J. N. Helzel. 1,695,653; Dec. 18.
 Bumper, Automobile. J. R. Jones. 1,668,811; May 8.
 Bumper, Automobile. J. W. McCausland. Des. 75,274; May 22.
 Bumper, Automobile. E. H. McCloud. 1,689,147; Oct. 23.
 Bumper, Automobile. O. R. McDonald. 1,675,458; July 3.
 Bumper, Automobile. W. R. McGowen. 1,692,088; Nov. 20.
 Bumper, Automobile. W. T. Morris. 1,656,011; Jan. 10.
 Bumper, Automobile. A. J. Musselman. 1,681,677; Aug. 21.
 Bumper, Automobile. D. D. Myers. 1,687,880; Oct. 16.
 Bumper, Automobile. J. Nickels. 1,664,989; Apr. 3.
 Bumper, Automobile. W. Nicholas. 1,691,492; Nov. 13.
 Bumper, Automobile. J. W. Postel. 1,679,782; Aug. 7.
 Bumper, Automobile. W. Rahe. 1,666,754; Apr. 17.
 Bumper, Automobile. J. M. Reifsnider. 1,695,294; Dec. 18.
 Bumper, Automobile. H. Scuterud. 1,676,749; July 10.
 Bumper, Automobile. V. Sussan. 1,666,111; Apr. 17.
 Bumper, Automobile. G. W. Veale. 1,689,464; Oct. 30.
 Bumper, Automobile. F. C. Walter. 1,675,288; June 26.
 Bumper, Automobile. F. A. Wernig. 1,658,111; Feb. 7.
 Bumper, Automobile. J. St. C. Wernig. 1,672,358; June 5.
 Bumper, Automobile. G. Yoshinaga. 1,690,961; Nov. 6.
 Bumper, Automobile side. C. Williams. 1,679,195; July 31.
 Bumper bar and carrier for motor vehicles, Combined. C. H. Henderson. 1,693,202; Nov. 27.
 Bumper bracket. A. J. McCook. 1,686,287; Oct. 2.
 Bumper bracket, Adjustable. O. H. Goetz. 1,663,269; Mar. 20.
 Bumper bracket, Automobile. G. W. Yanss. 1,680,927-8; Aug. 14.
 Bumper, Cable. K. O. Schauman. 1,686,535; Oct. 9.
 Bumper, Car. H. Jaspersen. 1,659,363; Feb. 14.
 Bumper, Car. K. O. Schauman, S. R. Yancey, and J. L. Mifsud. 1,686,991; Oct. 9.
 Bumper clamp. H. S. Jandus. 1,693,513; Nov. 27.
 Bumper construction, Automobile. W. J. Grotenhuis. 1,660,961; Feb. 28.
 Bumper control. K. O. Schauman. 1,686,536; Oct. 9.
 Bumper cover. H. Muser. 1,670,737; May 22.
 Bumper device for vehicles. H. W. Tinker. 1,659,842; Feb. 21.
 Bumper fitting. A. W. Nordgren. 1,656,493; Jan. 17.
 Bumper for airships, Landing. E. Brunner. 1,694,873; Dec. 11.
 Bumper for automobiles. M. B. Hammond. 1,657,357; Jan. 24.
 Bumper for automobiles, Parking. D. April. 1,664,342; Mar. 27.
 Bumper for motor vehicles. F. J. Jaeger. 1,687,337; Oct. 9.
 Bumper for motor vehicles. E. I. A. Khan. Des. 74,438-9; Feb. 14.
 Bumper for motor vehicles. C. B. Smith. 1,688,026; Oct. 16.
 Bumper for sliding doors. J. O. Nyman. 1,683,793; Sept. 11.
 Bumper for vehicles. M. J. Malling. 1,686,829; Oct. 9.
 Bumper for vehicles. E. N. Vella. 1,655,978; Jan. 10.
 Bumper for vehicles, Safety. A. A. Theodoropoulos. 1,681,069; Aug. 14.
 Bumper mechanism. E. F. Ohlendorf. 1,669,140; May 8.
 Bumper, Mine-car. G. E. Edmunds. 1,690,532; Nov. 6.
 Bumper, Motor-vehicle. W. A. Dierker. 1,665,536; Apr. 10.
 Bumper mounting. A. W. Nordgren. 1,695,602; Dec. 18.
 Bumper, Pneumatic. B. V. Bayne. 1,654,572; Jan. 3.
 Bumper, Pneumatic. T. S. Pukerud. 1,671,485; May 29.
 Bumper, Rear. D. L. Benton. 1,674,880; June 26.
 Bumper, Safety. H. M. Bowman. 1,683,283; Sept. 4.
 Bumper, Shock-absorbing. M. J. Long. 1,691,398; Nov. 13.
 Bumper structure. F. G. Bremer. 1,667,530; Apr. 24.
 Bumper structure. F. G. Bremer. 1,668,228; May 1.
 Bumper support. A. W. Nordgren and G. A. Burandt. 1,670,163; May 15.
 Bumper-supporting means. H. S. Jandus. 1,691,885; Nov. 13.
 Bumper tip. R. B. Fageol. 1,678,853; July 31.
 Bumper, Vehicle. O. S. Caesar. 1,673,392; June 12.
 Bumper, Vehicle. H. S. Jandus and R. A. Flum. 1,691,886; Nov. 13.
 Bumper, Vehicle. H. S. Jandus and J. R. Morgan. Des. 74,746; Mar. 20.
 Bumper, Vehicle. H. S. Jandus and N. van Husen. Des. 74,977-8; Apr. 24.
 Bumper, Vehicle. W. R. McGowen. Des. 76,352-3; Sept. 18.
 Bumper, Vehicle. C. Schmidt. 1,655,976; Jan. 10.
 Bumper, Vehicle. G. W. Veale. Des. 74,400; Feb. 7.
 Bumper, Vehicle. A. Weiland. 1,668,096; May 1.
 Bumper with rubber buffer. A. G. Geistert and J. M. Schoonmaker, jr. 1,662,309; Mar. 13.
 Bumperette. G. A. Burandt. 1,674,031; June 19.
 Bumperette. F. J. Kerber. 1,692,941; Nov. 27.
 Bumpers, Attachment for. H. Hamburger. 1,665,780; Apr. 10.
 Bumpers, Clamp plate for vehicle. H. S. Jandus. Des. 75,123; May 8.
 Bumpers, Clamp plate for vehicle. H. S. Jandus and J. R. Morgan. Des. 74,266; Jan. 17.
 Bumpers, Clamp plate for vehicle. H. S. Jandus and J. R. Morgan. Des. 74,306-8; Jan. 24.
 Bumpers, Clamp plate for vehicle. H. S. Jandus and J. R. Morgan. Des. 76,243-4; Sept. 4.
 Bumpers, Mask plate for vehicle. H. S. Jandus and N. Van Husen. Des. 75,250; May 22.
 Bumpers, Mask plate for vehicle. H. S. Jandus and N. Van Husen. Des. 77,237; Dec. 18.
 Bumpers, Ornamental strip for. R. D. McMahon. 1,671,932; May 29.
 Bumpers, Plate for vehicle. H. S. Jandus and J. R. Morgan. Des. 77,157; Dec. 11.
 Bumpers, Support for vehicle. M. B. Hammond. 1,654,543; Jan. 3.
 Bun and bread rounder. F. Streich. 1,661,775; Mar. 6.
 Bunch builder. J. F. Lehman. 1,670,860; May 22.
 Bundle binding and tying machine. G. D. Parker. 1,671,376; May 29.
 Bundle, Plaster-board. C. R. Birdsey. 1,696,877; Dec. 25.
 Bundling device. S. A. D. Messmore. 1,670,202; May 15.
 Bundling machine. J. J. Hart. 1,666,205; Apr. 17.
 Bung. R. C. Olson. 1,689,403; Oct. 30.
 Bung and faucet, Combination. G. W. Cooke. 1,679,604; Aug. 7.
 Bunion corrector. M. Hartwig. 1,665,030; Apr. 3.
 Bunion protector and arch brace. N. V. Levitt. 1,668,459; May 1.
 Buoy, Illuminable. E. Honegger and F. L. Murray. 1,655,548; Jan. 10.
 Buoyancy, Increasing. F. G. Sargent. 1,692,630; Aug. 28.
 Burglar alarm. T. R. Castles. 1,685,416; Sept. 25.
 Burglar alarm. J. M. Cody. 1,675,878; July 3.
 Burglar alarm. T. S. McClintock. 1,686,457; Oct. 2.
 Burglar alarm. P. K. Morrow and R. E. Wetmore. 1,688,628; Oct. 23.
 Burglar alarm. M. A. West. 1,681,451; Aug. 21.
 Burglar-alarm mounting. P. V. Vandeveld. 1,667,018; Apr. 24.
 Burglar-alarm system. W. E. Jones. 1,669,564; May 15.
 Burglar protection. H. Frank. 1,661,752; Mar. 6.
 Burial box, Concrete. O. E. Scheel. 1,683,265; Sept. 4.
 Burial case. W. J. Fleeman. 1,669,330; May 8.
 Burial casket. J. E. Falck. Des. 75,482; June 12.
 Burial casket, Corner for. C. H. Hiser. Des. 74,302-4; Jan. 24.
 Burial-casket handle. C. Blesch. Des. 77,216; Dec. 18.
 Burial-vault seal. J. Rector and T. H. Jones. 1,659,472; Feb. 14.

Burner: See—

Blowtorch burner. Gas-range burner.
 Coal-gas and oxygen burner. Hydrocarbon burner.
 Cutting burner. Incense burner.
 Dental burner. Liquid-fuel burner.
 Electric burner. Oil and gas burner.
 Fluid-fuel burner. Oil burner.
 Fuel burner. Pilot burner.
 Fuel-oil burner. Range jet burner.
 Gas and oil burner. Solid-fuel burner.
 Gas burner. Vapor burner.

Burner. J. A. Dahlstrom. Des. 74,663; Mar. 13.
 Burner. C. Fischer. 1,679,300; July 31.
 Burner. R. Hoffman. 1,684,585; Sept. 18.
 Burner. H. McKinnie. 1,678,996; July 31.
 Burner. G. F. Moors. 1,676,501; July 10.
 Burner. C. H. Morrow. 1,662,507; Mar. 13.
 Burner. J. H. Nelson. 1,688,827; Oct. 23.
 Burner. F. A. Nieberding. 1,689,798; Oct. 30.
 Burner. J. A. Ogilvy. 1,670,274; May 15.
 Burner. J. P. Reinecke. 1,691,169; Nov. 13.
 Burner. C. J. and C. H. Sherman. 1,674,025; June 19.
 Burner. H. Smoyer, W. H. Cumming, and H. W. Thiele. 1,662,986; Mar. 20.
 Burner. W. J. Sullivan. 1,685,967; Oct. 2.
 Burner. J. A. Wood. 1,696,069; Dec. 18.
 Burner. H. Yonehiro. 1,666,807; Apr. 17.
 Burner and control mechanism therefor, Liquid-fuel. R. E. White. 1,684,079; Sept. 11.
 Burner and method of burning fuel. V. G. Leach. Re16,984; June 5.
 Burner and valvular control therefor. E. L. Lowe. 1,693,931; Dec. 4.
 Burner and water heater, Refuse. J. Borge. 1,691,462; Nov. 13.
 Burner control, Gas-. E. H. Ryon. 1,668,251; May 1.
 Burner control, Oil-. W. W. Williams. 1,679,331; July 31.
 Burner for air heaters. J. Stoecker and A. Rein. 1,656,542; Jan. 17.
 Burner for furnaces, Oil. G. E. Tuffley. 1,685,108; Sept. 25.
 Burner for lamps for liquid fuel. W. Fezer. 1,658,081; Feb. 7.
 Burner for limekilns and the like, Oil. F. Firpo and J. A. Becarra. 1,671,234; May 29.
 Burner for liquid and gaseous fuels. A. P. and E. A. Stanley. 1,659,221; Feb. 14.
 Burner for liquid fuel with a combustion cup, Cup-shaped. W. Rueggsegger. 1,658,655; Feb. 7.
 Burner for regenerative furnaces. M. J. Lackner. 1,685,543; Sept. 25.
 Burner for stoves, Gas. W. Olsen and S. Rasmussen. 1,677,289; July 17.
 Burner installation, Gas-kindling-. F. A. Gercich. 1,690,290; Nov. 6.
 Burner with air-whirling means, Oil. A. R. Jepson. 1,662,270; Mar. 13.
 Burner with automatically controlled safety valve, Gas. H. Bach. 1,687,358; Oct. 9.
 Burning apparatus, Portable. F. D. Schultz. 1,696,888; Dec. 25.
 Burning fine fuel in suspension, Apparatus for. J. Pollock. 1,684,200; Sept. 11.
 Burning fuel, Method and apparatus for. E. P. Wetmore. 1,693,880; Dec. 4.
 Burning iron. J. H. Wilson. 1,656,256; Jan. 17.
 Burning liquid fuel, Method of and apparatus for. H. R. Marsh. 1,692,557; Nov. 20.
 Burning liquid fuel, Process and apparatus for. J. M. Kelley. 1,690,119; Nov. 6.
 Burning of powdered fuel, Apparatus for. C. Schwartz. 1,656,991; Jan. 24.
 Burning oil. A. P. Holden and P. Morgan. 1,666,207; Apr. 17.
 Burning powdered coal. W. B. Chapman. 1,661,408; Mar. 6.
 Burning powdered fuel. A. Butcher. 1,661,031; Feb. 28.
 Burning pulverulent fuels. E. B. Worthington. 1,670,276; May 15.
 Burning system, Liquid-fuel-. W. T. Dean. 1,694,772; Dec. 11.
 Burners, Air and oil equalizing means for oil. J. Schermuly. 1,655,246; Jan. 3.
 Burners, Air control for oil. H. S. Blake. 1,660,032; Feb. 21.
 Burners, Automatic control device for liquid-fuel. C. McManus. 1,656,443; Jan. 17.
 Burners, Control means for fluid fuel. H. J. Sauvage. 1,675,137; June 26.
 Burners, Electric control system for fuel-oil. L. L. Scott. 1,675,058; June 26.
 Burners, Firepot for liquid-fuel. S. Angrove. 1,659,537; Feb. 14.
 Burners, Flow regulator for oil. J. G. Gilmore and A. J. Frame. 1,667,314; Apr. 24.
 Burners, Nozzle for liquid-fuel. S. Angrove. 1,659,538; Feb. 14.
 Burners, Oil-feeding mechanism for oil. E. Marr. 1,655,506; Jan. 10.
 Burners, Priming device for hydrocarbon. W. C. Coleman. 1,678,057; July 24.
 Burnishing machine. G. W. Blackburn. 1,671,665; May 29.
 Burr cutter. C. E. Pellow. 1,665,474; Apr. 10.

Burr for grindstones. W. B. McLean. 1,681,868; Aug. 21.
 Burr for gristmills. D. S. Anthony. 1,696,514; Dec. 25.
 Burrs from tubes, Mechanism for removing. M. H. Sussman. 1,678,963; July 31.
 Bus, Automotive. R. W. Bailey. 1,684,303; Sept. 11.
 Bus-bar structure. C. F. Wagner. 1,688,567; Oct. 23.
 Bus body. W. F. Evans and B. V. Evans. 1,686,740; Oct. 9.
 Bus body. R. B. Fageol. Des. 74,260; Jan. 17.
 Bus-body construction. N. Milner. 1,664,569; Apr. 3.
 Bus-body-frame construction. E. J. Hall. 1,678,811; July 31.
 Bus chassis and step construction, Motor-. W. F. and B. V. Evans. 1,673,351; June 12.
 Bus or truck, Posting. C. B. Ulrich. 1,676,810; July 10.
 Bus, Railway motor. O. J. Skooglund. 1,670,907; May 22.
 Bushing. G. B. Chadwick. 1,657,914; Jan. 31.
 Bushing, Conduit. J. A. Spahn. 1,692,710; Nov. 20.
 Bushing, Oil-filled insulating. G. A. Burnham. 1,688,302; Oct. 16.
 Bushing puller. B. E. Delle. 1,689,330; Oct. 30.
 Bushing remover. E. Cookenmaster. 1,680,320; Aug. 14.
 Bushing remover. E. I. Thompson. 1,667,227; Apr. 24.
 Bushing, Steering-column. F. C. Morris. 1,679,941; Aug. 7.
 Bushing structure. M. Schwartz. 1,656,241; Jan. 17.
 Bushing structure. M. Schwartz. 1,663,099; Mar. 20.
 Bushing structures, Forming. H. Schwartz. 1,673,425; June 12.
 Butt gauge. J. F. Carstens. 1,654,786; Jan. 3.
 Butt gauge. H. A. Colby. 1,656,143; Jan. 10.
 Butt hook. N. W. Mills. 1,656,676; Jan. 17.
 Butter from buttermilk, Recovering. A. L. Rushton. 1,683,729; Sept. 11.
 Butterfat from buttermilk and buttermilk whey, Separation of. A. L. Rushton. 1,683,728; Sept. 11.
 Butter-print machine. C. and H. H. Doering. 1,683,873; Sept. 11.
 Button. F. J. Arnold. Des. 74,468; Feb. 21.
 Button. F. J. Arnold. Des. 75,461; June 12.
 Button. F. Batovec, sr. 1,693,541; Nov. 27.
 Button. C. M. Bondy. 1,688,520; Oct. 23.
 Button. L. Carp and B. and F. Becker. 1,658,514; Feb. 7.
 Button. E. Cavicchi. 1,695,482; Dec. 18.
 Button. F. G. Neuberth. 1,655,916; Jan. 10.
 Button. E. F. Nulty. 1,662,203; Mar. 13.
 Button. W. A. Ormsbee. Des. 76,256; Sept. 4.
 Button. M. G. Staples. 1,657,417; Jan. 24.
 Button. C. W. Stuart. 1,694,802; Dec. 11.
 Button. C. E. Young. 1,696,133; Dec. 18.
 Button. A. R. Zachert. 1,673,033; June 12.
 Button-afixing machine. F. F. Langley. 1,678,616; July 24.
 Button-assembling device. M. Menkin. 1,682,301; Aug. 28.
 Button-blank machine. J. R. Kuzma and A. Ostrochovsky. 1,669,058; May 8.
 Button board and process of manufacture. A. L. Clapp. 1,683,605; Sept. 11.
 Button clamp. H. W. Morris. 1,681,948; Aug. 28.
 Button clamp for button-attaching machines. R. L. Lyons. 1,686,528; Oct. 9.
 Button clasp, Collar-. A. Beifos. 1,685,595; Sept. 25.
 Button, Collar. F. N. Ashworth. 1,674,878; June 26.
 Button, Collar. O. J. Bergeron. 1,667,098; Apr. 24.
 Button, Control. E. J. Nielsen. 1,678,524; July 24.
 Button cover. W. L. Myers and G. D. Harrison. 1,678,265; July 24.
 Button, Cuff. W. A. Ormsbee. Des. 74,696; Mar. 13.
 Button, Cuff. G. Wullum. 1,661,520; Mar. 6.
 Button, Detachable. F. W. Epperson. 1,674,099; June 19.
 Button, Fastening. A. F. Raymond. 1,666,582; Apr. 17.
 Button, Flexible. G. W. Blank. 1,680,033; Aug. 7.
 Buttonhook, Safety. H. Klob. 1,658,343; Feb. 7.
 Button, Horn. H. M. Denyes. 1,658,555; Feb. 7.
 Button, Identification. S. Simon. Des. 74,195; Jan. 3.
 Button, League. F. J. Arnold. Des. 74,339; Feb. 7.
 Button, Mattress. J. Goldeen, M. D. Tarlow, and C. Z. Edelson. 1,656,191; Jan. 17.
 Button or similar article, Emblem. R. J. Schneider. Des. 75,591; June 19.
 Button or the like, Campaign. S. S. Bloom. Des. 76,851; Nov. 13.
 Button or the like, Cuff. F. C. Rile. Des. 76,891-2; Nov. 13.
 Button, Pin-attached. G. A. King. 1,695,252; Dec. 11.
 Button, Press. V. Puc. 1,676,710; July 10.
 Button, Push. S. Anthony. 1,686,506; Oct. 9.
 Button, Removable. A. C. Longfellow. 1,655,555; Jan. 10.
 Button-securing means. M. Kapilian. 1,673,460; June 12.
 Button, Separable. J. E. Butler. 1,682,771; Sept. 4.
 Button, Separable. L. W. Prentiss. 1,690,129; Nov. 6.
 Button, Separable badge. R. W. and B. Roper and S. R. Emerson. 1,658,573; Feb. 7.
 Button, Spring-pressure. L. Fouletier. 1,688,272; Oct. 16.
 Button, stud, or the like. E. Sturton. 1,690,561; Nov. 6.
 Buttons, Attachment for separable. R. W. Needham and J. I. Wagoner. 1,656,219; Jan. 17.
 Buttons of garments, Backing device for the. M. I. F. Kinney. 1,680,623; Aug. 14.

- Buttons to garments, Attaching. A. de Hertelendy. 1,674,544; June 19.
- Butyl acetic fermentation. D. A. Legg. 1,668,814; May 8.
- Butyl aldehyde-phenol resins and making the same. C. F. Schrimpe. 1,667,872; May 1.
- Butyl lactate, Normal. C. L. Gabriel and C. Bogin. 1,668,806; May 8.
- Buzzer. A. A. Keranen. 1,668,410; May 1.
- By-pass lubricator. A. L. Eicher. 1,680,328; Aug. 14.
- Bz-methyl benzantrones and preparing the same. A. Wolfram and H. Greune. 1,695,626; Dec. 18.
- C clamp. W. F. Greathead and M. J. Tamblyn. 1,658,436; Feb. 7.
- C link. E. E. Greve. 1,671,581; May 29.
- Cab, Baby. H. B. Banks. 1,695,409; Dec. 18.
- Cab for trucks. K. S. Baxter. 1,689,765; Oct. 30.
- Cab light. L. C. Muelheim and A. G. Pack, jr. 1,671,680; May 29.
- Cabinet. J. W. Beiger. 1,669,185; May 8.
- Cabinet. C. Bergmann. 1,680,081; Aug. 7.
- Cabinet. C. J. Campbell. 1,678,378; July 24.
- Cabinet. F. E. Doleshy. Des. 74,666; Mar. 13.
- Cabinet. A. Fishman. Des. 74,421; Feb. 14.
- Cabinet. A. Greth. 1,691,186; Nov. 13.
- Cabinet. H. F. Herman. 1,687,559; Oct. 16.
- Cabinet. F. G. Hodel. 1,683,891; Sept. 11.
- Cabinet. G. A. Horn. 1,657,718; Jan. 31.
- Cabinet. L. László. 1,659,491; Feb. 14.
- Cabinet. A. T. McWane. 1,673,839; June 19.
- Cabinet. A. B. Modine. Des. 74,692; Mar. 13.
- Cabinet. A. R. Rossman. 1,671,611; May 29.
- Cabinet. E. L. Schwab. 1,677,410; July 17.
- Cabinet. J. Spann. 1,654,616; Jan. 3.
- Cabinet. J. F. Sykes. 1,663,820; Mar. 27.
- Cabinet, Air-way cleaning. D. B. Replogle. 1,681,624; Aug. 21.
- Cabinet and antenna for a radio receiving set, Combined. J. L. Allen. Des. 74,247; Jan. 17.
- Cabinet and aquarium, Combined amplifying. H. H. Hustler and J. A. Hess. Des. 75,248; May 22.
- Cabinet and automatically maintaining more than one temperature therein simultaneously, Ice-cream. J. G. Peck. 1,683,406; Sept. 4.
- Cabinet and like structure, Plate-metal. F. Albach. 1,669,073; May 8.
- Cabinet and locker. F. Albach. 1,676,235; July 10.
- Cabinet and the method of refrigerating elongated bodies, Refrigerating. J. T. Smith. 1,675,280; June 26.
- Cabinet and tub, Combined shower. S. Siegel. 1,664,491; Apr. 3.
- Cabinet, Article. S. R. Side. 1,665,986; Apr. 10.
- Cabinet, Bath. R. J. Kideney. 1,677,393; July 17.
- Cabinet, Beverage-dispensing. C. Doering. Des. 77,079; Dec. 4.
- Cabinet, Brick-ice-cream packing and cooling. E. M. Fritz. 1,696,349; Dec. 25.
- Cabinet, Cash-register. B. M. Shipley. Des. 75,661; June 26.
- Cabinet, Clothes-drying. E. A. Anderson. 1,658,277; Feb. 7.
- Cabinet, Collapsible shoe. M. W. Ahles. 1,678,415; July 24.
- Cabinet, Combination. F. B. Kaufman. 1,695,335; Dec. 18.
- Cabinet, Combination freezer and refrigerator. R. W. Gearhart. 1,679,656; Aug. 7.
- Cabinet, Combined display and vending. R. G. Fishel. Des. 77,229; Dec. 18.
- Cabinet, Combined radio and phonograph. A. A. Thomas. 1,693,967; Dec. 4.
- Cabinet, Commodity. J. L. Flannery. 1,684,913; Sept. 18.
- Cabinet, Cooling. F. M. Graham. 1,674,107; June 19.
- Cabinet, Daily-milk-record. C. W. Mobley. 1,670,687; May 22.
- Cabinet, Dining-table. H. A. Simpson. 1,655,516; Jan. 10.
- Cabinet, Dispensing. F. H. Bachelder. 1,667,523; Apr. 24.
- Cabinet, Dispensing. M. Bloom. 1,671,886; May 29.
- Cabinet, Dispensing. W. Fairchild. 1,675,700; July 3.
- Cabinet, Dispensing. M. M. Marcuse. Re17,092; Oct. 2.
- Cabinet, Dispensing. M. M. Marcuse. 1,658,608; Feb. 7.
- Cabinet, Dispensing. H. Parker. 1,685,861-2; Oct. 2.
- Cabinet, Dispensing. B. G. Patterson. 1,693,458; Nov. 27.
- Cabinet, Dispensing. E. L. Straubel. 1,671,657; May 29.
- Cabinet, Dispensing. G. B. West. 1,689,571; Oct. 30.
- Cabinet, Display. W. S. Ongman. 1,660,088; Feb. 21.
- Cabinet, Display. J. Pinten. 1,655,560; Jan. 10.
- Cabinet, Display. M. C. Sapsinsley. 1,676,356; July 10.
- Cabinet, Display. B. R. Sostheim. 1,670,554; May 22.
- Cabinet, Display. P. R. Vogel. 1,672,633; June 5.
- Cabinet, Display. R. S. Walker. Des. 76,212; Aug. 28.
- Cabinet, Disposer, Paper-towel. F. Lawrence and V. F. Halliburton. 1,688,242; Oct. 16.
- Cabinet, Dressing. J. J. McDonald. Des. 76,948; Nov. 20.
- Cabinet, Drier. J. Judelson. 1,691,290; Nov. 13.
- Cabinet, Drier. L. Judelson. 1,692,271; Nov. 20.
- Cabinet, Dry-heat bath. A. A. Landon. 1,694,858; Dec. 11.
- Cabinet, Eskimo-pie. C. K. Nelson. 1,654,828; Jan. 3.
- Cabinet, File. J. Q. Sherman. 1,670,749; May 22.
- Cabinet, Filing. C. C. Carpenter. 1,658,223; Feb. 7.
- Cabinet, Filing. M. C. Whitmore. 1,669,886; May 15.
- Cabinet, Filing. R. J. Wood. 1,685,011; Sept. 18.
- Cabinet, Food. D. T. Marshall. 1,685,712; Sept. 25.
- Cabinet, Food-preserving. J. H. Johnson. 1,678,730; July 31.
- Cabinet for a coin-controlled game apparatus. A. S. T. Lagaard. Des. 77,106; Dec. 4.
- Cabinet for a sound-reproducing instrument or the like. N. P. Bloom. Des. 75,608; June 26.
- Cabinet for a sound-reproducing instrument or the like. N. P. Bloom. Des. 76,370; Sept. 25.
- Cabinet for bottle coolers. J. M. Schilling. Des. 76,423; Sept. 25.
- Cabinet for bottled beverages, Dispensing. L. G. Gray. Des. 75,724; July 10.
- Cabinet for dishwashing and similar purposes, Splash-proof. J. J. Keboe, jr., W. C. T. Morsch, and E. M. De Sherbinin. 1,667,119; Apr. 24.
- Cabinet for dispensing folded paper sheets. G. Carruthers. 1,692,156; Nov. 20.
- Cabinet for fluid-dispensing outfit. W. E. Milestone. Des. 76,624; Oct. 16.
- Cabinet for ice cream and the like. C. G. Munters. 1,692,792; Nov. 20.
- Cabinet for ironing machines, Wall. M. Hedglon. 1,687,765; Oct. 16.
- Cabinet for motion picture machines, Projection. W. C. Readeker. 1,671,449; May 29.
- Cabinet for prescriptions, etc., Filing. J. F. Bartosh. 1,684,761; Sept. 18.
- Cabinet for radioreceivers. J. Tillottson, jr. Des. 76,720-21; Oct. 23.
- Cabinet for radio receiving apparatus. A. A. Kent. Des. 76,812; Nov. 6.
- Cabinet for sound producing and reproducing instruments. E. T. Kieffer. Des. 76,814-15; Nov. 6.
- Cabinet for sound-reproducing mechanism. J. Whitson. Des. 76,651; Oct. 16.
- Cabinet, Fuse-dispensing. M. J. Connery. 1,696,190; Dec. 25.
- Cabinet, Gravity-feed bottle cooling and dispensing. R. E. Lee. 1,666,575; Apr. 17.
- Cabinet, Heat. C. E. Scott. Des. 75,531; June 12.
- Cabinet heater. E. P. Cole. 1,662,297; Mar. 13.
- Cabinet, Ice-cream. C. H. Brooks. 1,688,959; Oct. 23.
- Cabinet, Ironing. D. C. McCray. 1,679,581; Aug. 7.
- Cabinet, Ironing-board. D. C. McCray. 1,667,897; May 1.
- Cabinet, Ironing-board. F. Nystrom. 1,673,583; June 12.
- Cabinet, Ironing-board. R. J. Thompson. 1,682,640; Aug. 28.
- Cabinet, Kitchen. M. Coppes. 1,668,232; May 1.
- Cabinet, Kitchen. E. M. Trammell. 1,689,371; Oct. 30.
- Cabinet, Laundry. C. W. Schleier. 1,680,176; Aug. 7.
- Cabinet lid, Ice-cream. H. D. Geyer. 1,664,545; Apr. 3.
- Cabinet, Loud-speaker. E. Worthington. Des. 76,513; Oct. 2.
- Cabinet, Mechanically-refrigerated. J. R. Replogle. 1,672,829-30; June 5.
- Cabinet, Merchandising. R. C. Walsh. 1,681,333; Aug. 21.
- Cabinet, Moving-picture. A. D. Brixey. 1,655,809; Jan. 10.
- Cabinet, Multiple-tray. H. C. Saben. 1,681,953; Aug. 28.
- Cabinet nest. T. C. Coltrin. 1,674,193; June 19.
- Cabinet, Oil dispensing. B. Phillips. Des. 75,132; May 8.
- Cabinet, Optician's. J. A. Miner. 1,682,695; Aug. 28.
- Cabinet, Organ. J. P. Seeburg. Des. 76,826; Nov. 6.
- Cabinet or similar article, Billiard. J. H. Crites. Des. 74,662; Mar. 13.
- Cabinet or similar article, Radiator. P. E. Schleicher and W. C. Calcott. Des. 76,553-4; Oct. 9.
- Cabinet, Paper-dispensing. E. J. Hansen. 1,656,913; Jan. 24.
- Cabinet, Paper-towel. N. Boivin. 1,661,357; Mar. 6.
- Cabinet, Portable heating. O. E. Heisser. 1,686,613; Oct. 9.
- Cabinet, Radio battery-charging. A. S. Tuttle. 1,675,626; July 3.
- Cabinet, Radio receiving. A. A. Thomas. 1,693,470; Nov. 27.
- Cabinet, Radio receiving set. A. E. Hansen. Des. 75,841; July 24.
- Cabinet, Radio-receiving-set. A. Taylor. Des. 75,814; July 17.
- Cabinet, Record. F. Nigra. 1,667,216; Apr. 24.
- Cabinet, Record. A. J. Walters. 1,673,029; June 12.
- Cabinet, Refrigerated. J. R. Replogle. 1,672,826; June 5.
- Cabinet, Refrigerated food. J. R. Replogle. 1,658,209; Feb. 7.
- Cabinet, Refrigerated food. J. R. Replogle. 1,689,933; Oct. 30.
- Cabinet, Refrigerating. H. C. Folger. 1,693,376; Nov. 27.
- Cabinet, Roll-towel. E. T. Hails. 1,659,813; Feb. 21.
- Cabinet, Sanitary roll-towel. E. T. Hails. 1,678,220; July 24.
- Cabinet, Sectional. E. F. Chandler. 1,686,515; Oct. 9.
- Cabinet, Service. F. J. Matchette. 1,673,291; June 12.
- Cabinet, Service. F. J. Matchette. 1,686,831; Oct. 9.
- Cabinet, Sewing. G. E. Thorberg. 1,660,732; Feb. 28.
- Cabinet, Sewing-machine. P. Taylor. 1,655,923; Jan. 10.
- Cabinet, Shoe-polishing. T. E. Jordan. 1,660,712; Feb. 28.
- Cabinet, Shower-bath. E. E. and S. M. Baer. 1,656,410; Jan. 17.
- Cabinet, Smoker's. S. B. Sklar. Des. 74,700; Mar. 13.

- Cabinet, Smoker's. S. B. Sklar. 1,691,212; Nov. 13.
 Cabinet, Sportsman's. E. L. Rodgers and A. F. Williams. 1,668,659; May 8.
 Cabinet, Telephone. E. M. Trammell. Des. 74,706; Mar. 13.
 Cabinet, Telephone. E. M. Trammell. 1,689,414; Oct. 30.
 Cabinet, Telephone. J. Zweig. Des. 75,845; July 24.
 Cabinet, Telephone wall. W. D. Johnston. Des. 74,674; Mar. 13.
 Cabinet, Toilet. O. S. Pearson. 1,667,564; Apr. 24.
 Cabinet, Toilet-accessory. W. C. Hering. 1,666,652; Apr. 17.
 Cabinet, Tourist's. H. A. Jetmore. 1,669,131; May 8.
 Cabinet, Tourist's combination. C. Rodgers. 1,681,685; Aug. 21.
 Cabinet, Towel. J. N. Burroughs. 1,685,395; Sept. 25.
 Cabinet, Towel. J. R. Clover. 1,689,622; Oct. 30.
 Cabinet, Towel. G. M. Hubinger. 1,681,614; Aug. 21.
 Cabinet, Towel. F. M. Steiner. Des. 77,044; Nov. 27.
 Cabinet, Towel. F. M. Steiner and G. Olson. 1,694,991; Dec. 11.
 Cabinet, Towel. G. A. Steiner. Re17,031; July 10.
 Cabinet, Towel dispensing and storage. A. E. Carlson. 1,681,840; Aug. 21.
 Cabinet, Towel holding and dispensing. C. H. Ashley and L. H. Philco. 1,696,184; Dec. 25.
 Cabinet, Toweling. J. D. Leveille. 1,693,905; Dec. 4.
 Cabinet, Two-temperature refrigerating and cooling. J. G. Peck. 1,663,482; Mar. 20.
 Cabinet, Typewriter. B. C. Stickney. 1,661,392; Mar. 6.
 Cabinet, Vegetable. M. Halpert. Des. 77,233; Dec. 18.
 Cabinet, Vending-machine. L. C. Manning. 1,686,091; Oct. 2.
 Cabinet, Vending machine. T. W. B. Watling. Des. 76,591; Oct. 9.
 Cabinet, Wall. W. D. Johnston. Des. 74,675; Mar. 13.
 Cabinet wringer. J. J. Dossert and E. E. Greaves. 1,665,912; Apr. 10.
 Cabinet wringer. W. G. Peters. 1,667,868; May 1.
 Cable. J. F. Howe. 1,678,292; July 24.
 Cable adapted for small currents, High-tension. E. G. Sievert and H. Svensson. 1,656,329; Jan. 17.
 Cable adjuster, Flexible. W. T. Burke. 1,686,678; Oct. 9.
 Cable, Armored electric. O. A. Frederickson. 1,687,013; Oct. 9.
 Cable circuits, Balancing. W. E. Mougey and J. Col-lard. 1,672,987; June 12.
 Cable clamp. A. O. Austin. 1,666,885; Apr. 24.
 Cable clamp. E. K. Cole. 1,665,531; Apr. 10.
 Cable clamp. E. K. Cole. 1,694,683; Dec. 11.
 Cable clamp. J. Morgenstern and C. Raus. 1,667,814; May 1.
 Cable clamp. J. S. Taylor. 1,675,996; July 3.
 Cable connector. S. N. Buchanan. 1,682,738; Sept. 4.
 Cable connector, Electrical. A. B. Dörner. 1,673,738; June 12.
 Cable connector for outlet boxes. H. V. Gould. 1,677,628; July 17.
 Cable-connecting means. D. M. Bardon. 1,694,051; Dec. 4.
 Cable connection for electric welding, Water-cooled. W. J. Le Bean. 1,674,829; June 26.
 Cable connections, Making. D. K. Templeton. 1,686,583; Oct. 9.
 Cable-conveyer sprocket. R. L. Smallwood. 1,666,950; Apr. 24.
 Cable core and insulation therefor, Submarine. C. Mar-tell. 1,672,821; June 5.
 Cable cutter. A. Bergstrom. 1,663,189; Mar. 20.
 Cable-cutting device. E. D. Spoerri. 1,667,749; May 1.
 Cable driving mechanism. K. Davis. 1,689,996; Oct. 30.
 Cable, Electric. R. W. Atkinson. 1,688,954; Oct. 23.
 Cable, Electric. F. S. Malm. 1,654,546; Jan. 3.
 Cable, Electrical. H. V. Wodtke. 1,686,782; Oct. 9.
 Cable ends, Voltage-gradient regulator for high-tension. E. G. Sievert and H. Svensson. 1,667,743; May 1.
 Cable grip. E. B. Kellems. 1,670,543; May 22.
 Cable grip. A. H. Nero. 1,667,636; Apr. 24.
 Cable grip. H. E. Page. 1,686,250; Oct. 2.
 Cable grip and making same. H. E. Page. 1,657,722; Jan. 31.
 Cable guard. I. E. Quist. 1,664,321; Mar. 27.
 Cable guide and holder for boats, Anchor. E. G. Erickson. 1,692,640; Nov. 20.
 Cable hanger. J. Blackburn. 1,682,737; Sept. 4.
 Cable head. J. E. Sharp. 1,666,980; Apr. 24.
 Cable, High-tension. R. W. Atkinson and G. J. Shurts. 1,675,918; July 3.
 Cable, High-tension electric. L. Emanuelli. 1,662,107; Mar. 13.
 Cable, High-tension underground. W. C. Hayman. 1,680,679; Aug. 14.
 Cable hitch. G. C. Burd. 1,660,829; Feb. 28.
 Cable hook. M. Cox. 1,686,734; Oct. 9.
 Cable hook or step. H. O. Rockwell. 1,657,939; Jan. 31.
 Cable joint. N. E. Buck, D. W. Roper, and A. P. Thoms. 1,689,523; Oct. 30.
 Cable joint. N. E. Buck, D. W. Roper, and A. P. Thoms. 1,689,420; Oct. 30.
 Cable joint. D. M. Simons. 1,680,231; Aug. 7.
 Cable joint, High-tension. W. E. Boyle. 1,655,258; Jan. 3.
 Cable joint, Insulated. E. D. Eby. 1,688,693; Oct. 23.
 Cable joints or splices for underground systems, Forming high-tension. W. E. Boyle and H. R. Searing. 1,693,365; Nov. 27.
 Cable-laying apparatus. J. A. Kirby. 1,668,277; May 1.
 Cable, Lead-sheathed telephone. E. Schürer. 1,684,363; Sept. 11.
 Cable marker. T. W. Hott. 1,655,904; Jan. 10.
 Cable, Multiple-conductor high-tension. L. Emanuelli. 1,663,878; Mar. 27.
 Cable, Multiple-unit. A. L. Richey. 1,667,824; May 1.
 Cable, Nonmetallic sheathed multiple-conductor. E. H. Lewis and C. O. Hull. 1,673,752; June 12.
 Cable-pulling device. H. L. Parker. 1,679,490; Aug. 7.
 Cable rack, Subway-. H. H. Luedinghaus. 1,656,211; Jan. 17.
 Cable reel. H. Benit. 1,661,991; Mar. 6.
 Cable shears. J. Voleske. 1,657,730; Jan. 31.
 Cable, Slitting device. G. T. Stott. 1,686,044; Oct. 2.
 Cable splice. E. C. Kirk. 1,655,706; Jan. 10.
 Cable, Stranded. C. A. Parsons, J. Rosen, A. W. Grey, and R. W. Midgley. 1,677,458-9; July 17.
 Cable structure. D. M. Simons. 1,674,070; June 19.
 Cable support. J. F. D. Hoge. 1,690,297; Nov. 6.
 Cable support. D. E. Replogle. 1,676,208; July 3.
 Cable support. H. B. P. Wrenn. 1,692,104; Nov. 20.
 Cable-support bracket. A. J. and T. T. Tschida. 1,661,398; Mar. 6.
 Cable, Support for overhead. C. H. Goodrich. 1,664,922; Apr. 3.
 Cable suspension for hoisting buckets. A. F. Case. 1,687,543; Oct. 16.
 Cable telegraphy and the like and circuit therefor. W. S. Smith, N. W. McLachlan, and W. G. R. Jacob. 1,684,248; Sept. 11.
 Cable terminal. E. M. Matthews. 1,654,657; Jan. 3.
 Cable terminal, Parkway. W. H. B. Lavarack and D. W. Richards. 1,667,555; Apr. 24.
 Cable terminal, Pole. L. M. Persons. 1,660,815; Feb. 28.
 Cable to prevent a breaking down of the insulation, High-tension. E. G. Sievert and H. Svensson. 1,665,191; Apr. 3.
 Cable transmitter, Alternating current. A. Clausen. 1,669,041; May 8.
 Cableway. C. Fisher. 1,690,929; Nov. 6.
 Cable-winding drums, Drive for. O. B. E Jorge. 1,659,455; Feb. 14.
 Cable, Wire. A. Morton. 1,687,257; Oct. 9.
 Cable with loading coils, Telegraph. H. Salinger and J. Stahl. 1,663,353; Mar. 20.
 Cable wrench. M. Johnston and M. H. Scott. 1,681,482; Aug. 21.
 Cables and the like, Adjustable clamp for. H. W. Shon-nard. 1,673,922; June 19.
 Cables and the like, Automatic winding device for. W. H. Sturge. 1,658,694; Feb. 7.
 Cables and the like, Covering for. A. D. Pettee, and C. H. Shaw. 1,675,421; July 3.
 Cables, Antioscillating and stress-reducing device for. L. H. Crook. 1,676,006; July 3.
 Cables, Apparatus for lubricating wire. L. G. Gates. 1,665,451; Apr. 10.
 Cables, Automatic means for feeding. H. W. and C. Mc-donald, E. A. Wolf, and R. F. Stanek. 1,656,215; Jan. 17.
 Cables, Correcting earth potentials on submarine. J. W. Milnor. 1,673,773; June 12.
 Cables, Joint for electric. J. F. Watson. 1,672,357; June 5.
 Cables, Loading submarine. F. E. Pernot and L. J. Rich. 1,672,989; June 12.
 Cables, Manufacture of. G. A. Anderegg. 1,681,566; Aug. 21.
 Cables, Molding for electric. F. W. Erickson. 1,668,953; May 8.
 Cables of lift bridges, Attachment for. W. G. Williams. 1,673,383; June 12.
 Cables of lightning arrester systems, Detachable connection for the. H. Heese. 1,679,969; Aug. 7.
 Cables, Producing. M. Thomas. 1,664,231; Mar. 27.
 Cables, Protecting electric and other. J. O. Gogry. 1,682,076; Aug. 28.
 Cables with cross ties, Clipp for transmission. V. Dut-kiewicz. 1,656,578; Jan. 17.
 Cables, Yieldable connector for electric. C. M. Goodrich. 1,662,245; Mar. 13.
 Cacti, Destroying. H. Stoltzenberg. 1,686,582; Oct. 9.
 Cadmium plating. L. R. Westbrook. 1,681,509; Aug. 21.
 Cadmium-plating bath. A. W. Young and M. E. Louth. 1,692,240; Nov. 20.
 Cage: See—
 Cellulose bird cage.
 Cage and the construction thereof, Bird. B. Markow. 1,686,242; Oct. 2.
 Cage, Bird. N. W. Hendryx. 1,692,835; Nov. 27.
 Cage, Bird. L. J. Leon. Des. 74,891; Apr. 10.
 Cage, Bird. J. H. Viewegh. 1,680,184; Aug. 7.
 Cage, Bird. H. D. Weissberg. Des. 75,885; July 24.
 Cage, Cellulose bird. R. L. Tullis. 1,662,687; Mar. 13.
 Cage for prisons, vaults, and the like, Pneumatic. D. F. Youngblood. 1,665,651; Apr. 10.
 Cage for roller bearings. V. L. Abel. 1,689,514; Oct. 30.
 Cage for roller bearings. H. Styrl. 1,689,505; Oct. 30.
 Cage, Guard. E. A. Baker. 1,684,122; Sept. 11.

- Cage, Metal-base bird. J. H. Viewegh. 1,680,185; Aug. 7.
Cage or other stands, Base for bird. L. J. Leon. Des. 75,179-80; May 15.
Cage, Parrot. L. J. Leon. 1,656,282; Jan. 17.
Cage, Parrot. L. J. Leon. 1,685,922; Oct. 2.
Cage, Poultry and rabbit. C. B. Woodworth. 1,667,998; May 1.
Caging. W. E. White. 1,679,193; July 31.
Caissons, Constructing. C. L. Powell. 1,654,600; Jan. 3.
Cake. A. C. Gorton. Des. 76,474; Oct. 2.
Cake-forming and depositing machine. J. Moores. 1,696,099; Dec. 18.
Cake-mold-filling machine. H. A. Lauhoff. 1,669,526; May 15.
Cake mold, Individual. H. Bilodeau. 1,690,526; Nov. 6.
Cake, Preparing. S. F. McDonald. 1,677,245; July 17.
Cake-splitting machine. J. R. Litty. 1,665,888; Apr. 10.
Cake stand. A. F. Saunders. Des. 74,990; Apr. 24.
Calcing coke. V. C. Doerschuk and F. C. Frary. 1,671,673; May 29.
Calcing furnace. J. H. Knapp. 1,686,565; Oct. 9.
Calcium arsenate, Making. W. C. Piver. 1,667,490; Apr. 24.
Calcium arsenate, Making commercial. W. C. Piver. 1,667,491; Apr. 24.
Calcium polysulphide, Making. C. D. Wood. 1,685,895; Oct. 2.
Calcium chloride and making same, Prepared. A. K. Smith. 1,660,053; Feb. 21.
Calcium cyanamide, Making. G. E. Cox. 1,674,466; June 19.
Calcium cyanamide free from dust, Rendering. J. Breslauer and E. de Luserna. 1,691,044; Nov. 13.
Calcium cyanide, Treating. P. W. Griffith. 1,663,125; Mar. 20.
Calculating device. C. F. Christopher. 1,674,157; June 19.
Calculating device. R. S. Drew and C. L. Cruver. 1,659,246; Feb. 14.
Calculating device. C. R. Nichols. 1,655,819; Jan. 10.
Calculating device. N. L. Oates. 1,678,019; July 24.
Calculating device. J. G. Zollman. 1,691,104; Nov. 13.
Calculating instrument. J. E. Rowe. 1,661,095; Feb. 28.
Calculating machine. C. H. Dudley. 1,672,882; June 12.
Calculating machine. C. M. F. Friden. 1,674,170; June 19.
Calculating machine. C. Luttrupp. 1,662,526; Mar. 13.
Calculating machine. C. Luttrupp. 1,671,537; May 29.
Calculating machine. U. G. Robinson. 1,661,234; Mar. 6.
Calculating machine. E. C. Schinke. 1,691,555; Nov. 13.
Calculating machine. H. Schmidt. 1,668,531; May 1.
Calculating machine. A. Schubode. 1,690,651; Nov. 6.
Calculating machine. A. Schubode. 1,693,766; Dec. 4.
Calculating machines, Attachment for. A. A. Horton. 1,690,487; Nov. 6.
Calculating machines, Cushioning mechanism for. A. A. Horton. 1,690,488; Nov. 6.
Calculating machines, Selecting mechanism for. E. C. Walter. 1,689,651; Oct. 30.
Calculating time, Device for. F. C. Meacham. 1,676,912; July 10.
Calculator. A. Hunau and P. Hammalian. 1,687,130; Oct. 9.
Calculator. E. H. Miller. 1,667,812; May 1.
Calculator, Drift. J. H. Hammond, jr. 1,670,354; May 22.
Calculator, Logarithmic. E. A. Sperry. 1,671,616; May 29.
Calendar. J. F. Bennet. 1,685,692; Sept. 25.
Calendar. H. S. Bowman. 1,692,199; Nov. 20.
Calendar. W. J. Brooks. 1,675,483; July 3.
Calendar. J. D. Cox. 1,661,110; Feb. 28.
Calendar. W. H. Draughon. 1,695,539; Dec. 18.
Calendar. H. L. Fischer and C. A. Ward. Des. 74,787; Mar. 27.
Calendar. H. Grunow. 1,667,855; May 1.
Calendar. H. E. Shedd. 1,662,906; Mar. 20.
Calendar. A. E. Welsh. 1,683,936; Sept. 11.
Calendar calculator and chart, Combined. C. E. Turnquist. 1,657,872; Jan. 31.
Calendar, Century. C. W. Schlusing. 1,670,316; May 22.
Calendar, Combination desk. N. S. Hillyard. 1,661,288; Mar. 6.
Calendar, Desk. W. C. Hjerling. 1,681,235; Aug. 21.
Calendar, Multiple-year. H. Nogrady. 1,692,758; Nov. 20.
Calendar or similar article, Daily. W. S. Sullivan. Des. 76,239; Sept. 4.
Calendar pad. C. G. Wall. 1,672,439; June 5.
Calendar pads and the like, Binding post for. W. T. Sullivan. 1,661,315; Mar. 6.
Calendar, Perpetual. R. Maschmann. 1,668,280; May 1.
Calendar, Perpetual. E. Oldenbusch. 1,660,232; Feb. 21.
Calendar, Perpetual. C. E. Palmer. 1,687,950; Oct. 16.
Calendar, Perpetual. F. A. Stevenson. 1,692,392; Nov. 20.
Calendar, Perpetual. G. Tilden. 1,678,834; July 31.
Calendar, Poultry-record. W. G. Kohl. 1,683,140; Sept. 4.
Calendar stand. N. E. Ham. 1,661,038; Feb. 28.
Calendar stitcher, Automatic. F. J. Kristofek and O. W. Hammerquist. 1,695,897; Dec. 18.
Calendar structure. G. Tilden. 1,687,743; Oct. 16.
Calendar. E. Werner. 1,692,525; Nov. 20.
Calendar doctor. C. G. Lindstrom. 1,692,747; Nov. 20.
Calendar doctors, Controlling means for. F. W. Lodding. 1,675,363; July 3.
Calendar guide. H. J. Theroux. 1,664,273; Mar. 27.
Calendar rack. F. M. Morton. 1,655,657; Jan. 10.
Calendering. A. A. Frank. 1,674,772; June 26.
Calendering device, Paper. A. L. Dawe. 1,679,711; Aug. 7.
Calibrating instrument for paper-making machines. L. T. Murphy. 1,680,690; Aug. 14.
Calibration. E. A. Gustafson. 1,675,604; July 3.
Calibrator, Crystal-controlled. R. B. Owens. 1,673,200; June 12.
Calico-printing color composition and process. M. Freiburger and A. Holtmann. 1,665,162; Apr. 3.
Caliper. G. Parker. 1,680,566; Aug. 14.
Caliper and depth gauge. E. J. Ryan. 1,663,217; Mar. 20.
Caliper attachments. A. Hilfiker. 1,659,915; Feb. 21.
Caliper gauge. A. Steinle. 1,671,168; May 29.
Caliper, Micrometer. E. C. Sparks. 1,654,843; Jan. 3.
Caliper, Micrometer. H. J. Yount. 1,678,030; July 24.
Caliper stop, Automatic. L. K. Aldrich. 1,655,121; Jan. 3.
Caliper mechanism. J., and S. W. Bath. 1,664,151; Mar. 27.
Calipers. P. Lagana. 1,672,765; June 5.
Calipers. A. F. Wahlberg. 1,672,966; June 12.
Calipers. L. R. Winn. 1,692,014; Nov. 20.
Calipers, Direct-reading compensated-scale. J. L. Avery. 1,659,939; Feb. 21.
Calk for athletic shoes. E. C. Sternaman. 1,686,775; Oct. 9.
Call register. A. Pentecost. 1,687,633; Oct. 16.
Call selector. L. L. Chauveau. 1,661,748; Mar. 6.
Call selector. L. L. Chauveau. 1,695,840; Dec. 18.
Call selector. L. L. E. Chauveau. 1,655,689; Jan. 10.
Calling device. L. L. E. Chauveau. 1,665,622; Apr. 10.
Calling device. H. H. Ide. 1,676,392; July 10.
Callous protector. F. Calvo. 1,668,229; May 1.
Cam column clamp. G. F. Newton. 1,662,757; Mar. 13.
Cam, Retiring. T. Brady. 1,669,075; May 8.
Came. G. A. Grau. 1,686,809; Oct. 9.
Camera. H. Forst. 1,690,673; Nov. 6.
Camera. P. P. Grosso. 1,690,292; Nov. 6.
Camera. W. E. Stark and S. H. Drake. 1,680,647; Aug. 14.
Camera. E. C. Thompson. 1,682,813; Sept. 4.
Camera. A. F. Victor. 1,682,873; Sept. 4.
Camera, Aerial. S. M. Fairchild. 1,661,364; Mar. 6.
Camera and projector, Combined motion-picture. A. K. Hadley. 1,662,057; Mar. 13.
Camera attachment. E. J. Crockett. 1,696,431; Dec. 25.
Camera case, Motion-picture. A. S. Howell. Des. 75,367; May 29.
Camera casing. C. Bornmann. Des. 74,211; Jan. 10.
Camera casing. A. F. Victor. Des. 74,639; Mar. 6.
Camera, Circuit. A. V. Cassal. 1,664,590; Apr. 3.
Camera, covering and making same. F. H. Reynolds. 1,683,302; Sept. 4.
Camera finder. C. W. Frederick. 1,676,540; July 10.
Camera focusing attachment. R. Chetteville. 1,675,598; July 3.
Camera focusing device. P. C. Oscanyan. 1,662,125; Mar. 13.
Camera focusing mechanism. R. Kroedel and C. F. Speidel. 1,662,427; Mar. 13.
Camera for color photography. A. Hamburger and H. E. Coston. 1,661,611; Mar. 6.
Camera for taking timed sequences of portraits, Automatic. A. M. Josepho. 1,671,644; May 29.
Camera fronts, Catch for. C. A. Bornmann. 1,675,529; July 3.
Camera, High-speed. C. F. Jenkins. Re17,119; Oct. 30.
Camera-holding stand. W. Buben. 1,666,770; Apr. 17.
Camera lucida. D. de Lancey. 1,674,321; June 19.
Camera, Motion-picture. P. Guerin. 1,657,795; Jan. 31.
Camera, Multipicture. L. J. Doogood and L. P. Branagan. 1,662,304; Mar. 13.
Camera, Panoramic motion-picture. W. J. McInnis. 1,693,722; Dec. 4.
Camera, Photographic. A. I. Eriksen. 1,654,725; Jan. 3.
Camera, Photographic. R. F. Morejon. 1,694,750; Dec. 11.
Camera, Photographic. L. Orland. 1,657,894; Jan. 31.
Camera, Photographic. G. E. Watts. 1,655,850; Jan. 10.
Camera, Photographic. G. Ziegler. 1,682,260; Aug. 28.
Camera, Photographic box. F. Weidert. 1,686,944; Oct. 9.
Camera, Photomicrographic. F. F. Lucas. 1,666,499; Apr. 17.
Camera, Roll-holding. B. McCandless. 1,695,382; Dec. 18.
Camera shutter. M. E. Cuendet. 1,676,529; July 10.
Camera shutter. F. Deckel and M. Geiger. 1,666,557; Apr. 17.
Camera shutter. F. Deckel and M. Geiger. 1,687,123; Oct. 9.
Camera spool holder, Photographic. E. E. Underwood. 1,672,841; June 5.
Camera support and manipulator. N. A. Nordin. 1,691,733; Nov. 13.
Camera view finder. A. L. V. C. Debrie. 1,678,902; July 31.
Camera with motor signal, Power-driven. R. L. Stinchfield. 1,683,314; Sept. 4.

- Cameras and for cinematograph and similar projection apparatus, Spool case for. J. E. Thornton. 1,685,010; Sept. 18.
- Cameras and regulating locally the shading of a photograph, Shader for. M. W. Collet. 1,663,996; Mar. 27.
- Cameras, Diaphragm-adjusting mechanism for. O. Wittel. 1,689,268; Oct. 30.
- Cameras, Exposure-indicating device for. J. H. Hammond. 1,678,729; July 31.
- Cameras, Film-feeding means for. E. C. Thompson. 1,682,812; Sept. 4.
- Cameras, Film signaling device for. F. W. Gage and A. W. Tondreau. 1,696,533; Dec. 25.
- Cameras, Film-spacing device for. G. F. Rose. 1,674,522; June 19.
- Cameras, Finder for photographic. L. E. W. Van Albada. 1,678,493; July 24.
- Cameras, Finder for photographic. E. Wandersleb. 1,671,558; May 29.
- Cameras, Focusing device for. F. H. Owens. 1,686,463; Oct. 2.
- Cameras, Focusing objective mount for. O. Wittel. 1,690,607; Nov. 6.
- Cameras, Hood support for. C. W. Scheide. 1,675,055; June 26.
- Cameras, Motor attachment for motion-picture. T. A. Willard. 1,691,419; Nov. 13.
- Cameras, Multiple-exposure attachment for. W. A. Ruby. 1,673,641; June 12.
- Cameras, Platform support for. L. W. Lessler. 1,679,613; Aug. 7.
- Cameras, Shutter-operating attachment for. A. De Land. 1,685,774; Oct. 2.
- Cameras, Slot-shutter mechanism for photographic. F. Grosse. 1,666,852; Apr. 17.
- Cameras, Tilt-registering means for. J. W. Bagley. 1,674,540; June 19.
- Cameras, View finder for. T. F. Eastman. 1,684,821; Sept. 18.
- Camp chair, Folding. J. L. Cable. 1,664,059; Mar. 27.
- Camp convenience chair. J. Harrison. 1,695,374; Dec. 18.
- Camp-fire outfit. F. D. Lorton. 1,666,293; Apr. 17.
- Camp house. F. D. Tuthill. 1,656,545; Jan. 17.
- Camphene, Preparation of. W. Schulenburg. 1,663,569; Mar. 27.
- Camphor, Recovery of. A. Frieden. 1,666,645; Apr. 17.
- Can. See—
- | | |
|------------------|---------------------------|
| Compartment can. | Oil can. |
| Cracker can. | Paint can. |
| Dispensing can. | Refuse can. |
| Dredge can. | Rust-resisting can. |
| Garbage can. | Safety can. |
| Key-opening can. | Sliver and analogous can. |
| Measuring can. | Spice can. |
| Metal can. | |
- Can. K. S. Breckenridge. 1,690,441; Nov. 6.
- Can. J. Frank. 1,694,119; Dec. 4.
- Can. J. E. R. Hayes. 1,677,234; July 17.
- Can. A. C. Johnson. 1,695,286; Dec. 18.
- Can. E. A. Reap. 1,676,711; July 10.
- Can and closure. F. J. Costello. 1,665,908; Apr. 10.
- Can and manufacturing the same, Sheet-metal. F. F. Bentley. 1,668,523; May 1.
- Can and pail, Combined interior collar. L. J. Freundt. 1,691,276; Nov. 13.
- Can-body-forming machine. J. M. van Haasteren. 1,663,892; Mar. 27.
- Can-body-making machines, Blank feeding and positioning mechanism for. P. Kruse. 1,694,387; Dec. 11.
- Can-capping machine. C. A. Bunker. 1,689,815; Oct. 30.
- Can-casing machine. L. Titus. 1,667,962; May 1.
- Can-closing machines, Topping mechanism for filled. P. W. Fleischer. 1,673,236; June 12.
- Can cover. F. C. Franzmeier. 1,671,025; May 22.
- Can cover, Milk-. E. Jeanmaire. 1,674,332; June 19.
- Can-cover repairer. E. J. Talbert. 1,669,543; May 15.
- Can-delivery device for self-service stores. A. L. Kendall. 1,658,724; Feb. 7.
- Can ends, Cutting. R. W. Messenger. 1,656,794; Jan. 17.
- Can-feeding machine. R. M. Huddleston. 1,696,715; Dec. 25.
- Can-feeding mechanism. W. Cameron. 1,674,636; June 26.
- Can-filling machine. C. H. Ayars. 1,686,946; Oct. 9.
- Can-filling machine. C. H. Ayars. 1,689,661; Oct. 30.
- Can-filling machine. C. H. Ayars. 1,696,376; Dec. 25.
- Can-filling machine. O. H. Hansen. 1,654,875; Jan. 3.
- Can-filling machine. O. H. Hansen. 1,666,930-1; Apr. 24.
- Can ends, Compound lining. R. E. J. Nordquist. 1,688,644; Oct. 23.
- Can-bending machine. C. Gueritey. 1,666,239; Apr. 17.
- Can lid, Ventilating. A. Duke, W. H. Allsop, and A. Medford. 1,660,601; Feb. 28.
- Can-making machine. G. C. Euler. 1,664,378; Mar. 27.
- Can opener. I. Anderson. 1,690,319; Nov. 6.
- Can opener. H. Bruneau. 1,693,020; Nov. 27.
- Can opener. H. H. Carter. 1,676,520; July 10.
- Can opener. J. Cereghino. 1,666,366; Apr. 17.
- Can opener. J. J. Chapin. 1,658,225; Feb. 7.
- Can opener. R. T. Chase. 1,670,238; May 15.
- Can opener. W. Collins. 1,675,164; June 26.
- Can opener. C. D. Cummings. 1,671,014; May 22.
- Can opener. F. A. Cuyler. 1,676,135; July 3.
- Can opener. F. Dreyer. 1,691,050; Nov. 13.
- Can opener. A. N. Frost. 1,678,112; July 24.
- Can opener. H. Garrison. 1,655,948; Jan. 10.
- Can opener. H. Garrison. 1,656,515; Jan. 17.
- Can opener. H. Garrison. 1,661,797; Mar. 6.
- Can opener. H. Garrison. 1,664,251; Mar. 27.
- Can opener. H. Garrison. 1,670,534; May 22.
- Can opener. H. Garrison. 1,693,894; Dec. 4.
- Can opener. F. W. Gray. 1,659,486; Feb. 14.
- Can opener. E. V. Houghton. 1,675,807; July 3.
- Can opener. J. F. Jankowski. 1,674,646; June 26.
- Can opener. T. A. Killman. Re16,957; May 8.
- Can opener. L. Kossuth and C. Lanza. 1,690,982; Nov. 6.
- Can opener. D. McPhee. 1,673,258; June 12.
- Can opener. A. Noble. 1,687,582; Oct. 16.
- Cap opener. A. Podel. 1,676,649; July 10.
- Can opener. W. F. Polson. 1,657,842; Jan. 31.
- Can opener. G. E. Reed. 1,670,211; May 15.
- Can opener. A. Ryckman. 1,689,301; Oct. 30.
- Can opener. D. M. Strengberg. 1,669,311; May 8.
- Can opener. J. T. Sweeney. 1,667,360; Apr. 24.
- Can opener. P. Werner. 1,655,449; Jan. 10.
- Can opening and sealing device. W. H. Hunt. 1,689,344; Oct. 30.
- Can-opening device. C. Genjack. 1,675,647; July 3.
- Can-opening machine. A. Rydquist. 1,684,414; Sept. 18.
- Can or box lid. J. Peterson. 1,659,155; Feb. 14.
- Can or similar article. W. C. McLelland. 1,673,693; June 12.
- Can or similar receptacle. G. B. Wood. Des. 74,464; Feb. 14.
- Can-sealing machine. C. D. Russell. 1,667,991; May 1.
- Can-sealing machine and method, Vacuum. N. P. Bach. 1,670,925; May 22.
- Can-spout-seal cutter. A. Jaeschke. 1,684,447; Sept. 18.
- Can top. M. D. Cohen. 1,674,590; June 19.
- Can washer. O. H. Hansen. 1,677,443; July 17.
- Canned-corn shaker. H. L. Sell. 1,655,340; Jan. 3.
- Canning apparatus. A. K. Malmquist. 1,670,862-3; May 22.
- Canning machine. C. H. Ayars. 1,657,774; Jan. 31.
- Cans, Air-tight sealing device for. J. Hansen. 1,660,296; Feb. 21.
- Cans, Opening device for. W. R. Lambert. 1,664,515; Apr. 3.
- Cans, Ripping unit for metal. A. L. Combes and H. M. Keyser. 1,673,312; June 12.
- Cans, Vent-forming holder for. J. L. Hopkins. 1,658,165; Feb. 7.
- Canal and the filling and emptying of the locks thereof. F. M. Henry. 1,662,113; Mar. 13.
- Candelabrum. O. B. Bach. Des. 74,249; Jan. 17.
- Candelabrum or similar article. M. Peinlich. Des. 75,644; June 26.
- Candle. S. T. Lane. Des. 76,943; Nov. 20.
- Candle. J. Morczewski. 1,672,463; June 5.
- Candle cup and bobèche, Combined. A. R. Krause. Des. 76,314; Sept. 11.
- Candle fitting, Imitative. R. D. Smith. 1,677,412; July 17.
- Candle-holding bracket. A. Paul. Des. 74,986; Apr. 24.
- Candle-socket mounting. D. D. Gordon and W. Lindsay. 1,693,383; Nov. 27.
- Candle stand. C. Sternberg. Des. 75,080; May 1.
- Candlestick. A. E. Hobson. Des. 75,913; July 31.
- Candlestick. J. Katz. Des. 74,376; Feb. 7.
- Candlestick. W. H. Magee. Des. 76,880; Nov. 13.
- Candlestick base. O. B. Bach. Des. 75,463; June 12.
- Candlestick or analogous article. L. Zweig. Des. 74,407-8; Feb. 7.
- Candlestick or other standard. J. J. Becker. 1,668,260; May 1.
- Candlestick or similar article. M. A. Buchwalter. Des. 77,217; Dec. 18.
- Candlestick or similar article, Artistic bronze. E. T. Hurley. Des. 76,687; Oct. 23.
- Candlestick plate section. O. B. Bach. Des. 75,465; June 12.
- Candlestick plate section. O. B. Bach. Des. 75,467; June 12.
- Candlestick spindle section. O. B. Bach. Des. 75,466; June 12.
- Candlewick. F. P. Atkins. 1,671,267; May 29.
- Candles, Electrical Christmas. C. T. Bliss. 1,677,998; July 24.
- Candler, Egg. W. S. Gustafson and E. D. Smith. 1,679,769; Aug. 7.
- Candy box. F. A. Harpfer. Des. 76,539; Oct. 9.
- Candy box. F. Purchas. 1,664,464; Apr. 3.
- Candy box. M. Savage. Des. 74,630; Mar. 6.
- Candy box. F. A. Thomson. Des. 74,582; Feb. 28.
- Candy-coating machine. I. Shafer. 1,657,592; Jan. 31.
- Candy confection, Rock-. M. S. Mayfield. Des. 74,380; Feb. 7.
- Candy containing and displaying device. A. M. Stryker; Re16,857; Jan. 17.
- Candy-cutting machine. G. Sorensen. 1,688,668; Oct. 23.
- Candy-cutting machine. A. R. Thurston. 1,672,741; June 5.
- Candy-forming machine. B. O. Westerfield. 1,680,440; Aug. 14.
- Candy-forming machine, Plastic-. R. F. Morrison and E. B. Elder. 1,686,759; Oct. 9.
- Candy, Halloween. W. W. Cassidy. Des. 76,776; Nov. 6.
- Candy jar. A. S. and W. B. Adams and P. S. Moyer. Des. 74,956; Apr. 24.

- Candy jar. W. H. Magee. Des. 74,443; Feb. 14.
 Candy jar. R. G. Peck and A. Brown. 1,682,243; Aug. 28.
 Candy-making machine. J. N. Kalkanis. 1,685,605; Sept. 25.
 Candy-making machine. E. C. Miller. 1,692,559; Nov. 20.
 Candy, Marshmallow. W. W. Knorrp. Des. 76,942; Nov. 20.
 Candy menu stand. C. C. Chase. 1,662,637; Mar. 13.
 Candy, Molding. A. E. and P. M. Longstreth. 1,656,590; Jan. 17.
 Candy or similar article. C. M. Baldwin. Des. 76,977; Nov. 27.
 Candy package. G. W. Greenwood. 1,683,542; Sept. 4.
 Candy package. J. E. Liebrich. 1,675,415; July 3.
 Candy package. A. Rozowsky. Des. 74,522; Feb. 21.
 Candy-pulling machine. W. Geist. 1,675,741; Sept. 25.
 Candy-pulling machine. E. Kirsch. 1,656,005; Jan. 10.
 Candy stick. R. D. Bogue. 1,668,524; May 1.
 Candy wrapper, Stick-. C. R. Luce. Des. 74,982; Apr. 24.
 Cane. I. Caesar. 1,660,830; Feb. 28.
 Cane. I. Caesar. 1,662,102; Mar. 13.
 Cane cutter, Mechanical. T. A. Guild. 1,675,651; July 3.
 Cane cutters. Knife holder for rotary. J. Meinecke. 1,671,040; May 22.
 Cane-making apparatus, Artificial-. A. J. Wachsmuth. 1,695,622; Dec. 18.
 Cane mill. F. Farrel, jr. 1,655,094; Jan. 3.
 Cane mill. F. Farrel, jr. 1,691,546; Nov. 13.
 Cane stripping and topping machine. J. T. Landaiche. 1,663,409; Mar. 20.
 Cane-sugar-making industry, Beating of bagasse for the imbibition of same in. H. Seguchi. 1,663,418; Mar. 20.
 Canister and like box or container. W. L. Page. 1,667,818; May 1.
 Cannon. E. J. Blood. 1,696,339; Dec. 25.
 Canoe with steerable pontoon. J. D. Stites. 1,678,023; July 24.
 Canopy and stand. Combined funeral. W. O. Laube. 1,662,522; Mar. 13.
 Canopy, Bed. W. E. Rawlins. 1,665,980; Apr. 10.
 Canopy for automobile windows. H. M. Magid. 1,692,457; Nov. 20.
 Canopy for ceiling fixtures. R. L. Little. 1,687,166; Oct. 9.
 Canopy for trucks. S. F. Walden. 1,679,642; Aug. 7.
 Canopy or fixture securing device. G. N. Littleton. 1,693,396; Nov. 27.
 Cans, Distributor attachment for oil. F. W. Lawyer. 1,696,046; Dec. 18.
 Cant hook and ax, Combined. W. A. Cicero. 1,679,814; Aug. 7.
 Cant support and guide. T. E. Camp. 1,695,757; Dec. 18.
 Canteen box. R. Kieninger. Des. 74,609; Mar. 6.
 Caoutchouc and the like latices, Process and apparatus for concentrating. A. Petersen. 1,670,900; May 22.
 Caoutchouc derivative and making the same. H. Staudinger. 1,654,844; Jan. 3.
 Cap. J. Berge. 1,673,485; June 12.
 Cap. D. J. Cremen. 1,682,004; Aug. 28.
 Cap. H. A. Gold. 1,672,611; June 5.
 Cap. D. Karger. Des. 76,941; Nov. 20.
 Cap. J. F. Leicht. 1,690,736; Nov. 6.
 Cap. A. D. Lesser. 1,664,255; Mar. 27.
 Cap. N. L. Martz. 1,670,972; May 22.
 Cap. J. C. Sutton. Des. 75,297; May 22.
 Cap. J. M. Zernentsh. Des. 74,406; Feb. 7.
 Cap, Adjustable. F. C. Murnan. 1,669,009; May 8.
 Cap and package. E. Scofield. 1,696,330; Dec. 25.
 Cap and package, Closure. E. Scofield. 1,669,579; May 15.
 Cap and pipe clamp. Sanitary well. E. E. Hoaglund. 1,684,582; Sept. 18.
 Cap and shell fastening. H. Hubbell, jr. 1,685,361; Sept. 25.
 Cap attachment for visors. M. McKee and C. A. Roach. 1,665,750; Apr. 10.
 Cap attachment, Removable. J. J. McGrath. 1,692,944; Nov. 27.
 Cap, Aviation. A. M. Mondl. 1,687,346; Oct. 9.
 Cap, Bathing. G. P. Kaul. 1,666,098; Apr. 17.
 Cap closure for the mouths of bottles or other containers. H. C. Wallis and K. A. Robinson. 1,690,148; Nov. 6.
 Cap closure, Screw-. J. S. Hardiman. 1,667,003; Apr. 24.
 Cap, Cover-all. A. Meldrum. 1,693,455; Nov. 27.
 Cap, Ear. J. W. Kramer. 1,688,721; Oct. 23.
 Cap, Emblematic. J. J. Davis. Des. 75,153; May 15.
 Cap extractor. E. V. Benoit. 1,665,524; Apr. 10.
 Cap for ground members. W. D. Kyle. 1,693,848; Dec. 4.
 Cap for jars and cans. S. N. Tevander. 1,672,660; June 5.
 Cap, Hub. J. S. Reid. 1,657,588; Jan. 31.
 Cap, Knitted. I. Schlesinger. 1,686,258; Oct. 2.
 Cap, Lady's. M. Epstein. Re16,972; May 22.
 Cap, Motoring. J. Levinsky. 1,695,596; Dec. 18.
 Cap, Nurse's. A. Mullinix. 1,668,331; May 1.
 Cap opener, Crimped-. F. L. Darling. 1,664,595; Apr. 3.
 Cap or closure and liner plate, Combined. C. Hammer. 1,683,387; Sept. 4.
 Cap, Sailor's reversible waterproof flat. W. I. Clements. 1,658,590; Feb. 7.
 Cap-shape retainer. R. P. Nixon. 1,656,073; Jan. 10.
 Cap shooter. M. E. McPhail. 1,692,089; Nov. 20.
 Cap supporter. G. H. Aldrich. 1,659,068; Feb. 14.
 Capper, Bottle. H. G. Rice. 1,678,303; July 24.
 Capping device. R. E. Hill. 1,669,200; May 8.
 Capping machine. N. P. Bach. 1,670,924; May 22.
 Capping machine. E. B. Kramer. 1,664,514; Apr. 3.
 Capping machine. T. Sutcliffe. 1,696,819; Dec. 25.
 Capping machine. G. A. Williams and R. E. Hill. 1,691,875; Nov. 13.
 Capping machine. W. L. Wright and J. L. Dolphin. 1,665,079; Apr. 3.
 Capping mechanism. C. N. Bergmann. 1,680,199; Aug. 7.
 Caps to containers and of forming hermetic seals, Attaching. D. M. Boothman. 1,659,547; Feb. 14.
 Capacitive-coupling control system. L. L. Jones. 1,658,804-5; Feb. 14.
 Capacity coupling, Neutralizing. J. F., jr., and H. W. Dreyer. 1,672,641; June 5.
 Capital construction. H. Barkschat. 1,660,908; Feb. 28.
 Caponizing instrument. V. D. Lespinasse. 1,655,962; Jan. 10.
 Capsule. J. A. Horigan. 1,683,466; Sept. 4.
 Capsule, Enteric coated. E. H. Volwiler. 1,690,760; Nov. 6.
 Capsule-filling apparatus. G. A. Ware. 1,658,423; Feb. 7.
 Capsule or container for gases or liquids under pressure. R. H. Campbell. 1,661,997; Mar. 6.
 Capsules for filling, Handling. G. L. Brown. 1,667,066; Apr. 24.
 Car, Amusement. J. C. and R. J. Lusse. Des. 75,802; July 17.
 Car and construction. H. L. Ingersoll. 1,673,455; June 12.
 Car and loading ware thereon, Tunnel-kiln. G. D. Morris. 1,674,836; June 26.
 Car, Articulated. P. J. McCullough. 1,657,579; Jan. 31.
 Car, Ballast. B. W. Straw. 1,667,085; Apr. 24.
 Car bodies, Box-girder construction for. G. D. Fraunfelder. 1,694,537; Dec. 11.
 Car bodies, Rubber mounting for. L. C. Josephs, jr. 1,660,676; Feb. 28.
 Car body and truck gauge. W. O. Trimble. 1,667,684; Apr. 24.
 Car-body construction. W. B. Jupp. 1,692,377; Nov. 20.
 Car body, Railway-. W. B. Jupp. Des. 76,940; Nov. 20.
 Car bolster, Railway-. C. C. Pinckney. 1,664,224; Mar. 27.
 Car-bottom furnace-hearth seal. J. F. Baker. 1,691,368; Nov. 13.
 Car brake. J. H. Rebstock. 1,682,092; Aug. 28.
 Car brake, Railway-. C. A. Brennan. 1,680,968; Aug. 14.
 Car brake, Railway-. S. J. Strid. 1,668,702; May 8.
 Car, Buffet or breakfast. I. Williams. 1,689,900; Oct. 30.
 Car bunk, High-stake. F. W. Chriswell. 1,665,623; Apr. 10.
 Car, Cable. C. E. Mobius and W. N. Engler. 1,683,578; Sept. 4.
 Car-caging device. T. E. Weethee. 1,689,466; Oct. 30.
 Car, Cane. J. C. Abel. 1,685,079; Sept. 25.
 Car chair. J. A. Duffy. 1,676,010; July 3.
 Car, Child's motor. T. R. Culver. 1,660,298; Feb. 21.
 Car cleaner, Interior tank-. R. E. Messler and F. A. Ivory. 1,686,335; Oct. 2.
 Car, Concrete-block-casting. E. S. Rhoads. 1,658,256; Feb. 7.
 Car construction. O. C. Duryea. 1,693,193-6; Nov. 27.
 Car construction. W. A. Geiger. 1,683,386; Sept. 4.
 Car construction. W. Geiger. 1,684,537; Sept. 18.
 Car construction. F. H. Hardin. 1,686,748; Oct. 9.
 Car construction. S. B. Haseltine. 1,692,657; Nov. 20.
 Car construction. K. F. Nystrom. 1,666,299; Apr. 17.
 Car construction. H. W. Protzeller. 1,682,981; Sept. 4.
 Car construction. L. Richardson. 1,660,526; Feb. 28.
 Car construction. G. A. Suckfield. 1,681,200; Aug. 21.
 Car construction, Railway-. A. Campbell. 1,684,010; Sept. 11.
 Car construction, Dump-. W. E. Morey and D. Hindahl. 1,694,077; Dec. 4.
 Car construction, Refrigerator-. D. Finley. 1,687,934; Oct. 16.
 Car construction, Tank-. H. W. Protzeller. 1,662,471; Mar. 13.
 Car-control apparatus, Electric. P. A. Renta. 1,678,533; July 24.
 Car coupler. A. J. Bazeley. 1,672,875; June 12.
 Car coupler. E. D. Church. 1,661,465; Mar. 6.
 Car coupler. E. George, jr. 1,678,774; July 31.
 Car coupler. W. Kelso. 1,667,071; Apr. 24.
 Car coupler. W. Kelso. 1,690,638; Nov. 6.
 Car coupler. W. Kelso. 1,696,040; Dec. 18.
 Car coupler. D. Robinson and R. J. Wittmer. 1,680,116; Aug. 7.
 Car coupler. E. F. Strickler and J. F. Simpson. 1,660,054; Feb. 21.
 Car coupler. C. H. Tomlinson. 1,660,733; Feb. 28.
 Car-coupler-lock-lifter safety attachment. S. L. Joiner. 1,664,982; Apr. 3.
 Car coupler, Mine-. J. N. Tweedy. 1,660,636; Feb. 28.
 Car-coupler-positioning device. A. E. Small. 1,656,082; Jan. 10.
 Car couplers, Centering device for. G. G. Gilpin. 1,656,059; Jan. 10.
 Car couplers, Positioning device for. A. E. Small. 1,656,083; Jan. 10.
 Car couplers, Positioning device for. A. E. Small. 1,673,474; June 12.
 Car couplers, Positioning device for railway. V. E. Sisson. 1,656,081; Jan. 10.

- Car coupling. J. Andrews. 1,656,463; Jan. 17.
 Car coupling. D. Robinson. 1,680,115; Aug. 7.
 Car coupling. J. Wernis. 1,666,954; Apr. 24.
 Car-coupling mechanism. W. Kelso. 1,683,901; Sept. 11.
 Car coupling. Transition. H. H. Wolfe. 1,661,246; Mar. 6.
 Car-deck support. Kiln-. C. W. Laschenski. 1,665,631; Apr. 10.
 Car device, mail-. W. R. Hole. 1,683,547; Sept. 4.
 Car-door hanger. E. F. Jager. 1,659,823; Feb. 21.
 Car-door lock. B. W. Kadel. 1,658,600; Feb. 7.
 Car-door lock. J. P. Ward and R. E. Hyde. 1,684,980; Sept. 18.
 Car-door lock. W. E. Wine. 1,668,347; May 1.
 Car. Dump. W. L. Burner and O. E. Kantenwein. 1,678,765; July 31.
 Car. Dump. R. W. Motisher. 1,692,276; Nov. 20.
 Car. Dump. E. W. Schellenberger. 1,664,268; Mar. 27.
 Car. Dump. A. C. Schmoihl and W. L. Burner. 1,679,547; Aug. 7.
 Car dumper. A. F. Case. 1,654,919; Jan. 3.
 Car dumper. J. B. Strauss. 1,655,801; Jan. 10.
 Car. Electric. J. B. Allen and E. O. Hamilton. 1,679,068; July 31.
 Car end. Metal. M. Lachman. 1,662,193; Mar. 13.
 Car end wall, Railway-. G. G. Gilpin. 1,656,058; Jan. 10.
 Car for moving boxes in warehouses and the like, Transfer. C. H. Moores. 1,675,722; July 3.
 Car for wood-treating plants, Tram. W. H. Grady. 1,672,456; June 5.
 Car. Freight. W. E. Wine. 1,661,863; Mar. 6.
 Car. Funeral. R. Silver. 1,680,811; Aug. 14.
 Car heater. F. D. Brisse, H. P. Blumenauer, and E. C. Meyer. 1,658,966; Feb. 14.
 Car heater, Motor-. A. E. Linendoll. 1,672,267; June 5.
 Car. Hopper. I. Everett and W. I. Cantley. 1,661,418; Mar. 6.
 Car. Hopper. A. Kassler. 1,685,089; Sept. 25.
 Car. Hopper. A. U. Kerns. 1,662,926; Mar. 20.
 Car. Hopper. V. Willoughby. 1,665,388; Apr. 10.
 Car. House. K. J. Tobin, A. Wasberg, and G. Madland. 1,687,699; Oct. 16.
 Car-identifying means. S. K. Wood. 1,671,392; May 29.
 Car. Insulated tank. V. Willoughby. 1,685,111; Sept. 25.
 Car. Kiln. H. R. Straight. 1,694,085; Dec. 4.
 Car liner. W. W. Rowe. 1,678,356; July 24.
 Car-locking device, Dump-. R. E. Cartdaffner. 1,663,475; Mar. 20.
 Car. Mine. G. E. Edmunds. 1,678,563; July 24.
 Car. Mine. W. D. Hockensmith. 1,673,453; June 12.
 Car. Mine. H. W. Sanford. 1,673,161; June 12.
 Car. Mine. O. Sann. 1,689,056; Oct. 23.
 Car. Mine. V. Willoughby. 1,665,390; Apr. 10.
 Car. Motor. J. L. Connors. 1,661,409; Mar. 6.
 Car. Motor. F. De Benedetti. 1,656,175; Jan. 17.
 Car. Motor. V. Lancia. 1,694,546; Dec. 11.
 Car. Multiunit tank. M. Mauran. 1,685,926; Oct. 2.
 Car. Multiunit tank. J. D. Thompson and V. Willoughby. 1,685,105; Sept. 25.
 Car or exerciser, Propulsive amusement. H. F. Bartley. 1,692,803; Nov. 27.
 Car parts, Railroad-. C. H. Clark. 1,659,457; Feb. 14.
 Car. Pleasure. E. Brown. 1,673,494; June 12.
 Car. Pleasure-railway. J. A. Miller. 1,656,218; Jan. 17.
 Car. Power. C. H. Rasmussen and J. C. Hoffman. 1,670,007; May 15.
 Car. Railway. A. Campbell. 1,686,798; Oct. 9.
 Car. Railway. A. Campbell. 1,688,685; Oct. 23.
 Car. Railway. A. Campbell. 1,688,851; Oct. 23.
 Car. Railway. A. Christianson. 1,661,717; Mar. 6.
 Car. Railway. T. Elliott. 1,668,765; May 8.
 Car. Railway. W. H. Grady. 1,660,871; Feb. 28.
 Car. Railway. E. H. Mattingley. 1,694,424; Dec. 11.
 Car. Railway. W. O. McKamey. 1,676,343; July 10.
 Car. Railway. W. B. Morton. 1,692,683; Nov. 20.
 Car. Railway. J. T. Warren. 1,685,792; Oct. 2.
 Car. Railway. E. R. Weaver. 1,691,873; Nov. 13.
 Car. Railway. W. E. Wine. 1,658,584; Feb. 7.
 Car. Railway box freight. G. R. Joughins. 1,690,170; Nov. 6.
 Car. Refrigerator. C. D. Bonsall. 1,669,736; May 15.
 Car. Refrigerator. H. Corblin. 1,678,421; July 24.
 Car. Refrigerator. G. A. Hull. 1,693,815; Dec. 4.
 Car. Refrigerator. F. M. Patton. 1,659,541; Feb. 14.
 Car. Refrigerator. V. Willoughby. 1,665,387; Apr. 10.
 Car replacer. A. Lymburner. 1,680,895; Aug. 14.
 Car replacer. B. H. Paxton. 1,656,231; Jan. 17.
 Car-retaining device. G. M. Johnson. 1,660,039; Feb. 21.
 Car roof. C. D. Bonsall. 1,654,573; Jan. 3.
 Car roof. C. D. Bonsall. 1,659,762; Feb. 21.
 Car roof. C. D. Bonsall. 1,666,115; Apr. 17.
 Car roof. C. D. Bonsall. 1,674,089-91; June 19.
 Car roof. C. D. Bonsall. 1,674,463; June 19.
 Car roof. D. W. Hawksworth. 1,655,419; Jan. 10.
 Car roof. D. W. Hawksworth. 1,674,111; June 19.
 Car roof. T. N. Russell. 1,669,629; May 15.
 Car roof. V. Willoughby. 1,665,392; Apr. 10.
 Car roof construction, Railway-. G. G. Gilpin. 1,656,056; Jan. 10.
 Car roof, Railway-. A. E. Snull. 1,681,819; Aug. 21.
 Car roof, Railway-. W. E. Williams. 1,663,871; Mar. 27.
 Car seal. L. E. Logan. 1,660,797; Feb. 28.
 Car seal. F. Strahm. 1,665,424; Apr. 10.
 Car seat. W. S. Adams. 1,684,301; Sept. 11.
 Car seat. J. A. Brooks. 1,684,306; Sept. 11.
 Car seat. E. Buxer. 1,656,941; Jan. 24.
 Car seat. C. T. Hansen and A. B. Bell. 1,696,536; Dec. 25.
 Car-seat construction. C. T. Hansen. 1,663,126; Mar. 20.
 Car stake. S. Chiarello. 1,670,926-9; May 22.
 Car stake, Telescopic. S. Chiarello. 1,670,930; May 22.
 Car tank. P. Kortenhoeven. 1,664,116; Mar. 27.
 Car. Tank. J. P. Madden and R. E. Wilder. 1,661,000-1,661,001; Feb. 28.
 Car. Tank. G. E. Tilley. 1,671,138; May 29.
 Car-tank closure. R. W. Joy and V. Willoughby. 1,665,369; Apr. 10.
 Car. Tipping. O. Ballert. 1,677,263; July 17.
 Car. Trackman's. J. D. Carroll. 1,669,860; May 15.
 Car. Transfer. A. E. Evans. 1,657,206; Jan. 24.
 Car-transfer apparatus. G. M. Johnson and K. H. Sundvik. 1,686,382; Oct. 2.
 Car underframe. C. F. Frede. 1,666,929; Apr. 24.
 Car underframe. J. D. Thompson. 1,685,104; Sept. 25.
 Car. Ventilated freight. W. E. Wine. 1,660,736; Feb. 28.
 Car. Ventilated freight. W. E. Wine. 1,692,238; Nov. 20.
 Car ventilator. T. M. Hyman. 1,692,125; Nov. 20.
 Car ventilator, Closed-. L. R. Smith. 1,678,748; July 31.
 Car ventilator, Poultry-. W. P. Johnson. 1,678,393; July 24.
 Car wall, Railway-. G. G. Gilpin. 1,671,420; May 29.
 Car-wall structure. C. D. Bonsall. 1,656,033; Jan. 10.
 Car-wall structure. C. D. Bonsall. 1,688,133; Oct. 16.
 Car-washing apparatus. F. Ackerman. 1,658,473; Feb. 7.
 Car wheel. N. R. Brownier. 1,695,529; Dec. 18.
 Car wheel. J. E. Hale. 1,693,576; Nov. 27.
 Cars, Adjustable blocking for. W. J. Brown. 1,665,439; Apr. 10.
 Cars, Adjustable sill step for railway dump. A. C. Schmoihl. 1,677,373; July 17.
 Cars, Air-pipe connection for articulated. A. T. Clark, H. A. Leonhauser, and J. R. Jester. 1,681,659; Aug. 21.
 Cars, Block retainer pan for tank. B. F. Putnam. 1,672,578; June 5.
 Cars, Body carriage for motor. J. Gérin. Des. 74,498; Feb. 21.
 Cars, Brake gearing for railway. H. C. Priebe. 1,660,014; Feb. 21.
 Cars, Brake mechanism for railway. L. B. Mann. 1,655,322; Jan. 3.
 Cars, Combined hasp and seal for box. S. K. Wood. 1,663,068; Mar. 20.
 Cars, Draft appliance for railway. W. J. Regan and E. George, jr. 1,690,650; Nov. 6.
 Cars, Emergency brake and signaling device for motor. L. Fazekas. 1,660,419; Feb. 28.
 Cars, End door for coal. J. Ruffing, sr. 1,656,569; Jan. 17.
 Cars, End wall for railway. G. G. Gilpin. 1,656,057; Jan. 10.
 Cars, Extension arm for tram. W. H. Grady. 1,659,140; Feb. 14.
 Cars, Flooring for refrigerator railway. W. C. Williamson. 1,658,270; Feb. 7.
 Cars, Fluid-pressure-operated mechanism for dump. J. D. Benbow. 1,678,900; July 31.
 Cars, Forced-air circulation and refrigeration in refrigerator. M. W. Browne. 1,670,187; May 15.
 Cars, Hand brake for railway. H. J. Lounsbury. 1,660,452; Feb. 28.
 Cars, Hand-rope device for street. S. Tembey. 1,660,633; Feb. 28.
 Cars, Hood construction for railway. G. H. Minnick. 1,657,268; Jan. 24.
 Cars, Hopper door for railway. J. S. Swann. 1,656,087; Jan. 10.
 Cars, Lining for steel box. R. W. Wright. 1,656,688; Jan. 17.
 Cars, Metal structure for railway. A. E. Small. 1,681,811-12; Aug. 21.
 Cars, Metallic structure for railway. A. E. Small. 1,681,816-18; Aug. 21.
 Cars, Reinforced metal structure for railway. V. E. Sisson. 1,656,079-80; Jan. 10.
 Cars, Roof for railway. A. E. Small. 1,681,813; Aug. 21.
 Cars, Safety device for motor. S. Nishida, M. Ota, and G. Inose. 1,684,776; Sept. 18.
 Cars, Sheet-metal end for railway. V. E. Sisson. 1,664,711; Apr. 3.
 Cars, Side bearing for railway. L. Richardson. 1,660,525; Feb. 28.
 Cars, Slope sheet for freight. W. E. Wine. 1,691,792; Nov. 13.
 Cars, Superstructure for tunnel-kiln. D. B. Hendryx. 1,678,251; July 24.
 Cars, Trolley for electric driving. G. Meyer. 1,654,661; Jan. 3.
 Carbazides of the naphthalene series, Manufacture and production of. G. M. Dyson, F. A. Mason, and A. Renshaw. 1,673,499; June 12.
 Carbazole, Purifying. C. J. Thatcher. 1,672,630; June 5.
 Carbocyclic ketones with more than nine ring members, Preparation of. L. Ruzicka. 1,673,093; June 12.
 Carbohydrate-acridine compounds and solutions thereof, Production of. C. Schnorf and F. Hefti. 1,674,923; June 26.
 Carbohydrate compounds, Production of. W. Harrison. 1,680,020; Aug. 7.

- Carbohydrate derivatives, Manufacture of. W. Harrison. 1,684,732; Sept. 18.
- Carbohydrates, Acylating. E. B. Middleton. 1,675,220; Sept. 25.
- Carbohydrates, Process and apparatus for converting. R. A. Kocher. 1,670,727; May 22.
- Carbomineral product, Active. E. Urbain. 1,689,647; Oct. 30.
- Carbon and generating steam, Apparatus for making. L. J. McNutt. 1,670,686; May 22.
- Carbon and making same, Decolorizing. C. H. Chandler. 1,663,000; Mar. 20.
- Carbon, Apparatus for producing. C. Matlock. 1,681,945; Aug. 28.
- Carbon, Apparatus for the activation or revivification of. S. A. Okell and L. Winkenden. 1,686,100; Oct. 2.
- Carbon black, Apparatus for the production of. W. F. Fulton. 1,658,676; Feb. 7.
- Carbon black for mixtures of acetylene and other hydrocarbons. C. S. Venable. 1,669,636; May 15.
- Carbon black from mixtures of acetylene and other hydrocarbons, Producing. L. R. Churchill. 1,673,496; June 12.
- Carbon black, Producing. W. K. Lewis. 1,669,618; May 15.
- Carbon, Bonding activated. A. P. Ray. Re16,896; Mar. 6.
- Carbon, Continuous purification of raw bisulphide of. E. Legeler. 1,672,948; June 12.
- Carbon dioxide, Apparatus for solidifying. J. W. Martin, jr. 1,659,434; Feb. 14.
- Carbon-dioxide freezing apparatus, method, and product. W. S. Josephson. 1,659,431; Feb. 14.
- Carbon-dioxide gas, Producing. F. H. Kelliher. 1,675,497; July 3.
- Carbon-dioxide snow, Method of and apparatus for making. J. W. Martin, jr. 1,659,435; Feb. 14.
- Carbon, Electric soldering. M. E. Gebel. 1,694,256; Dec. 4.
- Carbon electrodes, Production of. I. Szarvasy. 1,675,674; July 3.
- Carbon holder. G. D. Brady and A. C. Roebuck. 1,659,576; Feb. 21.
- Carbon, Making activated. A. B. Bay, E. G. Doying and J. J. Butkovsky. 1,694,040; Dec. 4.
- Carbon monoxide in motor exhaust gases, Method and apparatus for reducing. E. J. Lacy. 1,675,611; July 3.
- Carbon monoxide, Production of pure. G. Wietzel. 1,695,130; Dec. 11.
- Carbon-monoxide-testing means and method. E. W. Hultman. 1,684,587; Sept. 18.
- Carbon remover. W. M. Grosvenor. 1,659,913; Feb. 21.
- Carbon roll and core for manifolding machines. L. E. Lentz. 1,677,971; July 24.
- Carbonaceous and other materials, Treatment of. F. Frank. 1,677,757-8; July 17.
- Carbonaceous fuel, Distilling apparatus for. W. E. Trent. 1,668,131; May 1.
- Carbonaceous material, Apparatus for forming reconstructed. W. B. Rulon. 1,674,129; June 19.
- Carbonaceous material, Distilling solid. M. J. Trumble. 1,674,420; June 19.
- Carbonaceous material, Manufacture of agglomerated. E. Urbain. 1,659,931; Feb. 21.
- Carbonate of sodium and magnesium, Manufacture of double. H. Rubinstein. 1,684,782; Sept. 18.
- Carbonated water, Method and apparatus for cooling. L. J. Taylor. 1,665,615; Apr. 10.
- Carbonating apparatus, Self-. O. C. Riley, P. W. Joel, and C. B. Poar. 1,674,993; June 26.
- Carbonator. W. S. Josephson. 1,655,816; Jan. 10.
- Carbonator. P. W. Shields and L. De Markus. 1,660,531; Feb. 28.
- Carbonates, Obtaining pure alumina and alkali-metal. F. A. Rothe and H. Brenck. 1,680,066; Aug. 7.
- Carbonates, Production of. M. Buchner. 1,675,786; July 3.
- Carbonization and distillation of wood, Apparatus for the. R. Malbay. 1,684,875; Sept. 18.
- Carbonization, Apparatus for. C. B. Winzer. 1,678,687; July 31.
- Carbonizing and gas-making apparatus. P. Plantinga. 1,663,522; Mar. 20.
- Carbonizing apparatus. H. Hennebutte and E. Goutal. 1,680,613; Aug. 14.
- Carbonizing furnace, Continuous. W. M. Hepburn. 1,677,136; July 3.
- Carbonizing process. W. E. Trent. 1,668,132; May 1.
- Carbonizing woolen fibers. R. H. Pott. 1,686,837; Oct. 9.
- Carboxylic acid-polyhydric alcohol resin, Water-resistant. C. R. Downs and L. Weisberg. 1,667,199-200; Apr. 24.
- Carburation. R. F. Ensign. 1,658,484; Feb. 7.
- Carburation system for internal-combustion engines. S. H. La Plant. 1,676,563; July 10.
- Carburetor. W. S. Guthrie. 1,675,344; July 3.
- Carbureters, Arrangement for eliminating the dangers due to back fires in. P. Casati and A. Antoniola. 1,677,019; July 10.
- Carbureting apparatus. M. E. Chandler. 1,656,369; Jan. 17.
- Carbureting device. H. W. Spiller. 1,676,932; July 10.
- Carbureting system. T. Hodges. 1,674,723; June 26.
- Carburetor. H. C. Abern. 1,685,114; Sept. 25.
- Carburetor. A. M. Alexandrescu. 1,656,155; Jan. 17.
- Carburetor. A. M. Alexandrescu. 1,657,361; Jan. 24.
- Carburetor. H. W. Allen. 1,690,962; Nov. 6.
- Carburetor. A. Arkley. 1,657,143; Jan. 24.
- Carburetor. F. E. Aseltine. 1,672,192; June 5.
- Carburetor. R. A. Ashman. 1,656,657; Jan. 17.
- Carburetor. B. C. Ball. 1,657,058; Jan. 24.
- Carburetor. F. O. Ball. 1,673,306; June 12.
- Carburetor. A. C. Bennett. 1,673,136; June 12.
- Carburetor. S. J. Chapas. 1,670,288; May 15.
- Carburetor. J. L. Chesnut. 1,671,669; May 29.
- Carburetor. J. W. Cottingham. 1,680,766; Aug. 14.
- Carburetor. J. C. Coulombe. 1,683,576; Sept. 4.
- Carburetor. J. J. Crain. 1,684,085; Sept. 11.
- Carburetor. F. S. Dixon. 1,657,376; Jan. 24.
- Carburetor. A. J. Ducamp. 1,671,817; May 29.
- Carburetor. R. F. Ensign. 1,684,055; Sept. 11.
- Carburetor. F. C. Givens. 1,696,711; Dec. 25.
- Carburetor. G. Griffon. 1,655,902; Jan. 10.
- Carburetor. H. J. Harding. 1,692,299; Nov. 20.
- Carburetor. W. H. C. Higgins, Jr. 1,695,550; Dec. 18.
- Carburetor. G. M. Holley. 1,671,288; May 29.
- Carburetor. C. F. Johnson. 1,687,131; Oct. 9.
- Carburetor. E. W. and L. B. Jones, and R. G. Battin. 1,670,724; May 22.
- Carburetor. J. Juhasz. 1,694,386; Dec. 11.
- Carburetor. W. O. Keeling. 1,654,735; Jan. 3.
- Carburetor. G. Kingston. 1,681,410; Aug. 21.
- Carburetor. G. Lamoureux. 1,695,112; Dec. 11.
- Carburetor. E. T. Larkin. 1,691,201; Nov. 13.
- Carburetor. C. L. Leveque. 1,691,487; Nov. 13.
- Carburetor. T. Linga. 1,682,761; Sept. 4.
- Carburetor. F. Lioud. 1,684,355; Sept. 11.
- Carburetor. N. Lombard. 1,693,792-3; Dec. 4.
- Carburetor. M. Mallory. 1,684,550; Sept. 18.
- Carburetor. M. Mallory. 1,684,840; Sept. 18.
- Carburetor. A. W. McCalmont. 1,681,358; Aug. 21.
- Carburetor. C. E. D. J., and O. B. Monosmith. 1,666,296; Apr. 17.
- Carburetor. M. C. Morris. 1,677,926; July 24.
- Carburetor. C. E. Palmer. 1,663,724; Mar. 27.
- Carburetor. M. Purvis and T. Lee. 1,688,285; Oct. 16.
- Carburetor. W. B. Ralston. 1,679,742; Aug. 7.
- Carburetor. J. S. Salva. 1,684,246; Sept. 11.
- Carburetor. G. L. and O. C. Smith. 1,679,793; Aug. 7.
- Carburetor. I. T. Swartz and A. R. Baker. 1,656,342; Jan. 17.
- Carburetor. I. T. Swartz and A. R. Baker. 1,669,070; May 8.
- Carburetor. R. M. Swearengin. 1,688,029; Oct. 16.
- Carburetor. W. P. Taylor. 1,683,634; Sept. 11.
- Carburetor. F. V. A. Thomas. 1,688,947; Oct. 23.
- Carburetor. H. C. Tiltston, E. A. Rullison, and C. W. McKinley. 1,695,671; Dec. 18.
- Carburetor. A. Wagner. 1,679,456; Aug. 7.
- Carburetor. C. F. Wallace. 1,665,239; Apr. 10.
- Carburetor. G. R. Welch. 1,674,029; June 19.
- Carburetor. C. E. Williams. 1,664,718; Apr. 3.
- Carburetor. L. M. Woolson. 1,665,395; Apr. 10.
- Carburetor. I. R. Zarracina. 1,672,923; June 12.
- Carburetor. E. J. Zollinger. 1,663,872; Mar. 27.
- Carburetor and equalizing vaporizer, Adjustable air. A. Sherrod. 1,672,349; June 5.
- Carburetor and fuel burner, Combination. J. Good. 1,669,979; May 15.
- Carburetor attachment. W. R. Eberly. 1,654,584; Jan. 3.
- Carburetor attachment. M. Mackie. 1,663,804; Mar. 27.
- Carburetor-choker control. R. G. Russell. 1,686,421; Oct. 2.
- Carburetor-control device, Pressure. W. F. Schultz and L. Masche. 1,663,218; Mar. 20.
- Carburetor control, Thermostatic. H. F. Hudson. 1,662,778; Mar. 13.
- Carburetor, Floating-venturi. C. L. Rayfield. 1,693,350; Nov. 27.
- Carburetor for internal-combustion engines. C. Brown. 1,686,123; Oct. 2.
- Carburetor for internal-combustion engines. W. S. Guthrie. 1,677,233; July 17.
- Carburetor for powdered coal. O. A. Kreutzberg. 1,696,041; Dec. 18.
- Carburetor, Self-feeding. E. A. Rockwell. 1,654,604; Jan. 3.
- Carburetor systems, Apparatus for regulating mixture formation in. W. E. Ernst. 1,666,892; Apr. 24.
- Carburetor, Two-level multijet. C. L. Rayfield. 1,674,062; June 19.
- Carburetors, Air cleaner for. A. C. Bennett. 1,665,434; Apr. 10.
- Carburetors, Air-control device for. J. B. Hayes, jr. 1,661,943; Mar. 6.
- Carburetors, Attachment for. J. F. Abel. 1,677,609; July 17.
- Carburetors, Inlet mechanism for. A. Mijares. 1,683,477; Sept. 4.
- Carburetors, Thermostatic controlling device for. E. N. Sorensen. 1,667,569; Apr. 24.
- Carburetors, Thermostatically-controlled choker for. C. E. Williams. 1,679,999; Aug. 7.
- Carburetors, Throttle control for. F. E. Dayes. 1,665,407; Apr. 10.
- Carburizer. F. C. Langenberg. 1,695,337-8; Dec. 18.
- Carburizing apparatus. C. I. Ipsen. 1,661,831; Mar. 6.
- Card. D. F. Matson. 1,696,808; Dec. 25.
- Card and cabinet, Combined display. S. M. Dell. 1,662,885; Mar. 20.

- Card and letter, Combination post. E. Dziuk. 1,693,811; Dec. 4.
- Cardboard, Apparatus for the grooving of. E. Mögel. 1,687,683; Oct. 16.
- Cardboard box. F. R. Close. 1,669,454; May 15.
- Cardcase. C. H. Clemens. 1,670,343; May 22.
- Cardcase. C. L'Enfant. 1,671,297-8; May 29.
- Cardcase. W. J. Williams. 1,656,615; Jan. 17.
- Cardcase and making the same. C. L'Enfant. 1,684,737; Sept. 18.
- Card casing, Safety. Ben Strump. 1,667,829; May 1.
- Card clasp. G. H. Taylor. 1,693,098; Nov. 27.
- Card clothing. J. W., and H. Platt. 1,660,492; Feb. 28.
- Card, Coin. G. Harmouth. 1,683,971; Sept. 11.
- Card, Credit. H. W. Cook. Des. 76,525; Oct. 9.
- Card device, Price-. A. E. Cobb. 1,662,813; Mar. 20.
- Card, Display. F. H. Mix. 1,693,246; Nov. 27.
- Card-elevating apparatus, Magic. S. B. Blodgett. 1,668,263; May 1.
- Card-feed mechanism and method. H. B. Smith. 1,665,937; Apr. 10.
- Card feeding and handling device. E. A. Ford. 1,684,389; Sept. 18.
- Card-feeding mechanism. J. B. Howe. 1,675,756; July 3.
- Card, Folding display. H. Ziemmerman. 1,664,585; Apr. 3.
- Card, Folding-self display. H. Ziemmerman. 1,683,007; Sept. 4.
- Card, Hand. I. C. Howes. 1,695,765; Dec. 18.
- Card holder. W. W. Degler. 1,664,668; Apr. 3.
- Card holder. F. W. Schepman. 1,665,180; Apr. 3.
- Card holder and score card, Combined playing-. H. L. Anderson. Des. 74,537; Feb. 28.
- Card, Index guide. G. H. Dawson. 1,690,889; Nov. 6.
- Card, Metal. S. Klepfer. 1,681,411; Aug. 21.
- Card, Metallic playing. M. Maennlein. 1,684,372; Sept. 11.
- Card, nut cup, and tally card, Combined place. L. L. Carley. 1,671,273; May 29.
- Card-operated statistical machine, Record-. C. Campbell. 1,667,881; May 1.
- Card, Order. I. S. Merrell. 1,659,825; Feb. 14.
- Card-perforating machines, Carriage return and normalizing mechanism for. W. W. Lasker. 1,684,546; Sept. 18.
- Card, Playing. M. T. Hartnacke. 1,695,425; Dec. 18.
- Card-playing board. P. M. Hoffmann. 1,673,825; June 19.
- Card rack. G. L. Goodwin. 1,676,492; July 10.
- Card register. D. A. Engström. 1,666,125; Apr. 17.
- Card, Score. K. Boe. Des. 76,601; Oct. 16.
- Card support, Place-. H. M. Rose. 1,666,400; Apr. 17.
- Card system, Horizontal. V. Duspiwa. 1,683,765; Sept. 11.
- Card system, Vertical. R. E. Kristensson. 1,671,530; May 29.
- Card table. J. F. Robineau. 1,660,723; Feb. 28.
- Card table. H. H. Russell. 1,655,512; Jan. 10.
- Card-table marker. L. V. Lavell. Des. 74,378; Feb. 7.
- Carding machine. J. Schmitt. 1,676,577; July 10.
- Carding machines, Apparatus for cleaning revolving-flat. C. Gegauff and J. Pilmilin. 1,658,714; Feb. 7.
- Carding machines, Forming the fleece or web in. G. C. Laurency. 1,668,685; May 8.
- Carding machines, Loosening roll for. O. W. Bredbury. Re16,898; Mar. 13.
- Carding machines, Vacuum stripper for. E. Clark. 1,671,063; May 22.
- Cards, Pack of playing. J. D. Niederlitz. 1,693,525; Nov. 27.
- Cards, Set of playing. O. Kubatzky. Des. 75,373; May 29.
- Cards, Set of playing. O. Kubatzky. Des. 76,816; Nov. 6.
- Cards, Set of playing. O. Kubatzky. Des. 77,159-61; Dec. 11.
- Cards, Set of playing. O. Kubatzky. Des. 77,321; Dec. 25.
- Cargo vessel. C. Ritson. 1,661,855; Mar. 6.
- Carline, Railway-box-car. W. E. Williams. 1,696,427; Dec. 25.
- Carline reinforcement and load-lifting arrangement. C. Harter. 1,678,509-10; July 24.
- Carpet. A. Oakley. Des. 77,255; Dec. 18.
- Carpet. N. W. Williams. Des. 74,463; Feb. 14.
- Carpet. N. W. Williams. Des. 75,758; July 10.
- Carpet-cleaning machine. G. T. Jancovius. 1,660,334; Feb. 28.
- Carpet roller. N. Hall. 1,663,836; Mar. 27.
- Carpets, Manufacture of. V. C. E. Le Gloabec. 1,686,331; Oct. 2.
- Carriage, Baby. E. J. Adams. 1,677,011; July 10.
- Carriage, Baby. R. Stinson. 1,684,930; Sept. 18.
- Carriage bodies, Folding hood for. K. Seitz. 1,689,896; Oct. 30.
- Carriage-body wall, especially for motor cars. A. Kaufmann. 1,658,526; Feb. 7.
- Carriage, Convertible. H. F. Shaw. 1,673,781; June 12.
- Carriage feed. W. G. Hagmaier. 1,671,074; May 22.
- Carriage for derricks, Safety. C. E. Thomas. 1,684,251; Sept. 11.
- Carriage for drilling mechanism. E. C. Holmes. 1,695,493; Dec. 18.
- Carriage for test stands and lathes, Universal holding. J. C. Schaf, Jr. 1,684,600; Sept. 18.
- Carriage frame, Automatic leveling. W. O. Turnidge and A. L. Turnidge. 1,672,588; June 5.
- Carriage-return mechanism, Automatic. F. W. Bernau. 1,670,018; May 15.
- Carriage stroller, Convertible. M. Rakofsky. 1,658,208; Feb. 7.
- Carriages, Adjustable back rest for baby. F. D. Tryon. 1,663,149; Mar. 20.
- Carrier: See—
- Advertisement carrier.
 - Article carrier.
 - Auto carrier.
 - Automobile luggage carrier.
 - Baggage carrier.
 - Basket carrier.
 - Battery carrier.
 - Bed and luggage carrier.
 - Book carrier.
 - Bottle carrier.
 - Braiding carrier.
 - Braiding-machine carrier.
 - Bulb carrier.
 - Catalyst carrier.
 - Chair carrier.
 - Clothes carrier.
 - Drapery carrier.
 - Egg carrier.
 - Golf-club carrier.
 - Hay carrier.
 - Hook and rope carrier.
 - Index-element carrier.
 - Laundry carrier.
 - Luggage carrier.
 - Mattress carrier.
 - Milk-bottle carrier.
 - Overhead haulage carrier.
 - Pencil carrier.
 - Sack carrier.
 - Sample and pamphlet carrier.
 - Slide carrier.
 - Stamp carrier.
 - Tennis-racket carrier.
 - Ticket carrier.
 - Tire and luggage carrier.
 - Tire carrier.
 - Tire-chain carrier.
 - Tread carrier.
 - Trolley-wheel carrier.
 - Trunk and luggage carrier.
 - Tube carrier.
 - Type-bar carrier.
 - Water-bag carrier.
 - Yarn carrier.
- Carrier. A. Moorhouse. 1,658,295; Feb. 7.
- Carrier amplitude-control system. O. B. Blackwell, and H. A. Affel. 1,681,972; Aug. 28.
- Carrier and bumper, Automobile spare-wheel. E. H. McCloud. 1,689,149; Oct. 23.
- Carrier and lamp device for automobiles, Combined tire. E. W. Seaholm, G. E. Parker, and E. K. Schadt. 1,690,347; Nov. 6.
- Carrier and rack, Clothes-basket. C. E. Rohrig. 1,692,704; Nov. 20.
- Carrier and rack, Luggage. W. R. Green. 1,654,728; Jan. 3.
- Carrier channels, Reducing intersystem cross talk between. H. A. Affel. 1,656,158; Jan. 17.
- Carrier currents, System of modulating. A. Weaver. 1,688,292; Oct. 16.
- Carrier-dispatch system. C. S. Jennings. 1,668,529; May 1.
- Carrier for automobiles, Boat. G. A. Hillstrom. 1,681,936; Aug. 28.
- Carrier for automobiles, Luggage. W. G. Herd. 1,693,922; Dec. 4.
- Carrier for bottle coolers. J. M. and W. G. Schilling. 1,694,929; Dec. 11.
- Carrier for floating bevels. A. H. Leipert. 1,657,510; Jan. 31.
- Carrier for photographic-plate holders, Adjustable. G. Bucky. 1,658,833; Feb. 14.
- Carrier for pneumatic-dispatch systems. W. H. Dinspel. 1,692,820; Nov. 27.
- Carrier-receiving system. H. Affel. 1,677,224; July 17.
- Carrier support for switch and signal rods. J. C. Mock. 1,681,619; Aug. 21.
- Carrier system for heavy plates, Electromagnetic. A. Goodfellow. 1,685,539; Sept. 25.
- Carrier used in making book and other matches. W. E. Williams. 1,696,743; Dec. 25.
- Carrier-wave communicating and switching system. E. H. Smythe. 1,655,520; Jan. 10.
- Carrier-wave communication. J. W. Schmied. 1,696,258; Dec. 25.
- Carrier-wave coupler. W. Dubilier. 1,657,248; Jan. 24.
- Carrier-wave repeater. F. X. Rettenmeyer. 1,673,023; June 12.
- Carrier-wave signaling system. J. S. Jammer. 1,658,337; Feb. 7.
- Carrier-wave transmission. J. S. Jammer. 1,658,339; Feb. 7.
- Carrier-wave transmission. H. R. Schmitt. 1,665,328; Apr. 10.
- Carrotting machine. J. A. Norin. 1,662,933; Mar. 20.
- Carrousel. C. E. Morris. 1,696,500; Dec. 25.
- Carrousel. S. Ruszkowski. 1,673,885; June 19.
- Carrousel-driving mechanism. C. E. Morris. 1,693,724; Dec. 4.
- Carrying case. W. T. Roberts and G. A. Pike. 1,657,938; Jan. 31.
- Carrying case, Wheeled. N. Fanger. 1,683,029; Sept. 4.
- Carrying frame. C. M. Kruger. 1,687,839; Oct. 16.
- Cart. T. A. Conlon. 1,678,585; July 24.
- Cart, Baby. J. R. Millen. 1,692,135; Nov. 20.
- Cart, Basket. J. E. Williams. 1,665,151; Apr. 3.
- Cart, Drag. J. C. Holst. 1,655,606; Jan. 10.
- Carton. H. Batkin. 1,684,385; Sept. 18.
- Carton. F. J. Benjamin. 1,682,594; Aug. 28.
- Carton. A. C. Cramer. 1,662,698; Mar. 13.
- Carton. W. F. Folmer. 1,681,700; Aug. 21.
- Carton. H. L. Greve. 1,668,311; May 1.
- Carton. E. L. Huntley. 1,695,104; Dec. 11.
- Carton. W. M. Johnson. 1,664,111; Mar. 27.
- Carton. A. W. O'Keefe. 1,688,983; Oct. 23.
- Carton. T. Ray. 1,672,623; June 5.
- Carton. E. E. Richardson. 1,684,244; Sept. 11.
- Carton. G. F. Riegel. Des. 76,634; Oct. 16.
- Carton. F. W. Tietzel. Des. 74,992; Apr. 24.

- Carton, F. P. Vaughan. 1,678,370; July 24.
 Carton, G. T. Wood. 1,683,116; Sept. 4.
 Carton and filler, Nested-flat-cup. C. Barbieri. 1,672,110; June 5.
 Carton and method of wrapping mops. P. Brown. 1,687,655; Oct. 16.
 Carton and paper cup therefor, Dispensing. W. A. Ringler. 1,682,350; Aug. 28.
 Carton, Chardboard. L. Schultz. Des. 74,278-80; Jan. 17.
 Carton charger. F. Knoeppel. 1,682,273; Mar. 13.
 Carton, Cigarette. E. M. Gilbert. 1,674,775; June 26.
 Carton-closing machine. C. H. Wild. 1,654,566; Jan. 3.
 Carton cover. J. E. Suttle. 1,657,325; Jan. 24.
 Carton, Display. D. A. Emerson. 1,666,691; Apr. 17.
 Carton, Display. J. E. Ferguson and H. L. Mooney. 1,684,579; Sept. 18.
 Carton, Double-receptacle. G. S. Gaylord. 1,693,841; Dec. 4.
 Carton, Egg. F. D. Berry. 1,669,226; May 8.
 Carton, Egg. W. A. Schurmann. 1,676,872; July 10.
 Carton, Folding egg. L. G. Harrison. 1,686,521; Oct. 9.
 Carton for playing cards. F. C. Armstrong. 1,685,798; Oct. 2.
 Carton for pots of plants, flowers, and the like. J. A. Kennedy. 1,669,617; May 15.
 Carton, Garment. B. H. Lengsfeld. 1,661,484; Mar. 6.
 Carton, Hosiery. W. R. Ziegler. 1,690,883; Nov. 6.
 Carton knock-out. H. D. Field. 1,678,426; July 24.
 Carton, Mailing and display. W. L. Hardy. 1,682,963; Sept. 4.
 Carton-making machine. G. A. Robinson. 1,674,921; June 26.
 Carton-marking device. E. P. Webster. 1,681,716; Aug. 21.
 Carton, Nonrefillable. A. R. Cappiello. 1,664,350; Mar. 27.
 Carton or similar article. W. W. Fawcett. Des. 76,992; Nov. 27.
 Carton rack. H. H. Langenfeld. 1,664,753; Apr. 3.
 Carton, Shipping. O. O. Nickerson. 1,686,834; Oct. 9.
 Carton, Shipping and display. H. Amatel. 1,665,620; Apr. 10.
 Carton, Shipping and display. M. M. Elinson. 1,670,498; May 22.
 Carton-vending device. W. A. Endter. 1,664,164; Mar. 27.
 Cartons, Apparatus for handling egg. L. Benoit. 1,659,076; Feb. 14.
 Cartons, Machine for assembling. L. Benoit. 1,674,942; June 26.
 Cartridge. J. C. Karnes. 1,654,734; Jan. 3.
 Cartridge. J. D. Pedersen. 1,678,162; July 24.
 Cartridge, Blank. M. De Geynst and I. Lepage. 1,690,890; Nov. 6.
 Cartridge, Firearm. A. Gangnes. 1,671,364; May 29.
 Cartridge for grease guns, Grease. A. Clawson. 1,674,542; June 19.
 Cartridge, Gun. W. A. Caruth. 1,669,969; May 15.
 Cartridges, Method and apparatus for packing. N. D. Fulton. 1,681,181; Aug. 21.
 Cartridges, Safety device for blasting or explosive. E. Karollus. 1,683,900; Sept. 11.
 Carving fork. H. Berry. 1,688,778; Oct. 23.
 Carving machine. J. E. Cooper. 1,686,960; Oct. 9.
 Carving machine, Universal. S. Madsen. 1,674,602; June 19.
 Carving machine, Wood-. A. V. Breed. 1,689,108; Oct. 23.
 Case: See—
 Bathing case. Jewelry case.
 Beauty case. Key case.
 Bobbin case. Map case.
 Brick display case. Merchandising case.
 Brief case. Musical-instrument case.
 Burial case. Packing case.
 Cardcase. Pencil case.
 Carrying case. Piano case.
 Cigarette case. Refrigerating case.
 Cigarette-holder case. Rosary case.
 Cigarette-package case. Sample case.
 Collapsible case. Sandal case.
 Combination case. Shipping case.
 Crank and like case. Show case.
 Dispatch carrier. Storage-battery case.
 Display case. Thermometer case.
 Douche case. Toilet case.
 Egg case. Traveling case.
 Eyeglass case. Toothbrush case.
 Filing case. Utility case.
 Filing-appliance case. Vanity case.
 Film case. Vending-machine case.
 Gear case. Wall case.
 Gun case. Watchcase.
 Case, C. March. 1,672,766; June 5.
 Case and package for cigarettes, Combination. J. B. Kaval. 1,661,803; Mar. 6.
 Case and portfolio, Carrying. O. R. Wood. 1,689,416; Oct. 30.
 Case and table, Combined carrying. L. K. Singley. 1,661,015; Feb. 28.
 Case and tray for storage-battery cells, Combined packing. W. H. Pelmer, jr. 1,677,982; July 24.
 Case for cigarette packages. V. Nivois. 1,690,308; Nov. 6.
 Case for containing electrical apparatus. E. G. Lawrence and R. B. Blair. Des. 75,571; June 19.
 Case for keys and the like. W. R. Buxton. 1,674,032; June 19.
 Case for licenses, etc. E. B. Burrell. 1,666,117; Apr. 17.
 Case for music records. H. J. Bell. 1,688,224; Oct. 16.
 Case for opthalmic mountings. C. R. Jerry. Des. 74,673; Mar. 13.
 Case-forming attachment. J. H. Weaver. 1,665,003; Apr. 3.
 Case hardening. A. Lennartz. 1,671,034; May 22.
 Case or container. Tie. C. Lobner. 1,677,146; July 17.
 Case shift mechanism. O. A. Hokanson. 1,686,325; Oct. 2.
 Case-washing machine. I. R. Hippenmeyer. 1,684,828; Sept. 18.
 Casing. C. H. Seifert. 1,695,298; Dec. 18.
 Casing and support for electrical apparatus. C. F. Swasey. 1,696,260; Dec. 25.
 Casing and supporting bracket, Combined. L. J. Hicks. 1,669,199; May 8.
 Casing construction, Door and window. C. E. and J. D. Seymour and P. C. Davis. 1,689,897; Oct. 30.
 Casing cutter. R. A. Lincoln. 1,660,228; Feb. 21.
 Casing cutter. W. A. Vock and H. E. Lynn. 1,677,507; July 17.
 Casing elevator. G. A. Montgomery. 1,664,461; Apr. 3.
 Casing for a clothes-washing machine. C. Roberts. Des. 76,048; Aug. 14.
 Casing for advertising device. E. O. Little. Des. 75,739; July 10.
 Casing for antifriction bearing. D. F. Good. 1,695,146; Dec. 11.
 Casing for a vending machine. G. R. Webber. Des. 77,276; Dec. 18.
 Casing for coin-controlled devices, Mountable and demountable. J. H. Mann, jr. 1,682,135; Aug. 28.
 Casing for corn-popping machine. J. H. Reichart. Des. 76,418; Sept. 25.
 Casing for electrical apparatus. A. O. Austin. 1,693,265; Nov. 27.
 Casing for electrical apparatus. A. O. Austin. 1,693,430; Nov. 27.
 Casing for electrical apparatus. A. C. Kleckner. 1,677,350; July 17.
 Casing for footballs, basket balls, and the like. M. Scudder. 1,678,830; July 31.
 Casing for fruit-juice extractor. A. C. Gilbert. Des. 75,682; July 3.
 Casing for ingot molds, Shrink-head. E. Gathmann. 1,696,395; Dec. 25.
 Casing for loading coils. F. Döring and O. Kalbitz. 1,668,710; May 8.
 Casing for mechanical exercisers. F. E. Marcy. Des. 77,176; Dec. 11.
 Casing for radiators and humidifiers. C. K. Volckening. 1,658,870; Feb. 14.
 Casing for safety switches. E. G. Johansson. 1,685,490; Sept. 25.
 Casing for universal joints, Spring-retained. H. M. Funnell. 1,685,528; Sept. 25.
 Casing for use at filling stations, garages, and other places, Hose-winding-machine. A. B. Edwards. Des. 76,128; Aug. 21.
 Casing for wrist watches. L. Palliser. 1,672,337; June 5.
 Casing, Gasoline-meter. C. D. Fagan. Des. 76,131; Aug. 21.
 Casing, Gasoline-meter. C. D. Fagan. Des. 76,788; Nov. 6.
 Casing, Gear. A. F. Pitkin and R. P. La Porte. 1,685,202; Sept. 25.
 Casing, Gift-presenting. M. E. B. George. 1,673,144; June 12.
 Casing hanger. R. M. Judd, E. C. Taylor, and R. S. McNaney. 1,669,664; May 15.
 Casing hanger. R. M. Judd, E. C. Taylor, and J. Worth. 1,682,526; Aug. 28.
 Casing having an explosion vent, High-pressure gauge. R. E. Bruckner. 1,682,033; Aug. 28.
 Casing having light-transmitting closure. H. A. Douglas. 1,678,137; July 24.
 Casing head. C. C. Hosmer. 1,662,707; Mar. 13.
 Casing head. J. W. McQuaid. 1,680,900; Aug. 14.
 Casing head, Rotary. B. H. Scott and S. E. Ross. 1,662,984; Mar. 20.
 Casing head for oil wells. H. S. Haynes and W. L. Alexander. 1,696,844; Dec. 25.
 Casing-head packer and blow-out preventer, Combined. J. Bergsten. 1,695,992; Dec. 18.
 Casing hook, Hydraulic. W. Brauer. 1,696,378; Dec. 25.
 Casing, Light. G. H. Townsend. Des. 76,331; Sept. 11.
 Casing or trim for plastered walls. C. H. Richards. 1,674,344; June 19.
 Casing, Perforated. D. N. Brundy. 1,664,734; Apr. 3.
 Casing, Plaster. W. S. Thomas. 1,694,673; Dec. 11.
 Casing, Pump. E. E. Eickmeyer. Des. 76,786; Nov. 6.
 Casing, Shock-absorber. J. W. Watson and R. F. Nowalk. Des. 76,272; Sept. 4.
 Casing, Shrink-head. F. H. Chapin. 1,695,797; Dec. 18.
 Casing swab. F. J. Young. 1,695,406; Dec. 18.
 Casing, Shutter. W. A. Riddell. 1,683,303; Sept. 4.
 Casing, Signal. M. B. Hitzeman. Des. 76,019; Aug. 14.
 Casing, Signal. S. Mills and T. G. Plant. 1,674,981; June 26.
 Casing spear. W. H. Harvey. 1,664,863; Mar. 27.
 Casing, Tape. N. H. Shillman. 1,679,178; July 31.

- Casing, Time-switch. E. S. Flarsheim. Des. 76,789; Nov. 6.
- Casing, Traffic-signal. W. C. Waggaman. Des. 75,308; May 22.
- Casing, Vending-machine. S. Hinds. Des. 75,729; July 10.
- Casing, Vending-machine. B. G. Larrabee, H. A. Root, and E. S. Cassaday. Des. 75,851; July 24.
- Casing, Weighing-scale. O. C. Reeves. Des. 75,286; May 22.
- Casing, Well. H. Y. Carson. 1,678,280; July 24.
- Casing, Well. W. W. Fry. 1,681,332; Aug. 21.
- Casings, Attaching means for. H. A. Douglas. 1,691,844; Nov. 13.
- Casings, Making sausage. F. Frey. 1,690,779; Nov. 6.
- Casings, Slip joint for well. T. E. Adams. 1,674,938; June 26.
- Cases, Constructing shipping. P. F. Boeye. 1,684,725; Sept. 18.
- Cases, Making leather. C. G. Aldrich. 1,696,788; Dec. 25.
- Casement adjuster. W. Wassener. 1,682,205; Aug. 28.
- Casement fastener. H. H. Garratt. 1,662,666; Mar. 13.
- Cash drawer, Autographic-register. L. Jensen. 1,666,385; Apr. 17.
- Cash-fare register. W. Thompson and L. F. Briggs. 1,658,106; Feb. 7.
- Cash register. S. Arton. 1,677,510; July 17.
- Cash register. T. M. Butler. Des. 76,286; Sept. 1.
- Cash register. R. A. Christian. 1,660,373; Feb. 28.
- Cash register. W. H. Holmes. 1,658,987; Feb. 14.
- Cash register. L. G. A. Kömmling. 1,658,993; Feb. 14.
- Cash register. W. J. Kreider. 1,693,279; Nov. 27.
- Cash register. W. Naumann. 1,669,996; May 15.
- Cash register. L. C. Ostendorf. 1,688,939; Oct. 23.
- Cash register. W. H. Robertson. 1,657,696; Jan. 31.
- Cash register. W. H. Robertson. 1,664,946; Apr. 3.
- Cash register. W. H. Robertson. 1,688,940; Oct. 23.
- Cash register. B. M. Shipley. 1,655,570; Jan. 10.
- Cash register. B. M. Shipley. 1,682,196-7; Aug. 28.
- Cash register. B. M. Shipley. 1,688,945; Oct. 23.
- Cash register. O. J. Sundstrand. 1,693,259; Nov. 27.
- Cash register. H. Tönsmann. 1,664,910; Apr. 3.
- Cash register. E. J. Von Pein. 1,664,955-6; Apr. 3.
- Cash register. E. J. Von Pein. 1,691,416; Nov. 13.
- Cash registers, Printing and perforating mechanism for. M. M. Goldberg. 1,657,712; Jan. 31.
- Cashier-protection device. M. Marois. 1,654,692; Jan. 3.
- Cashier's protector. L. N. Beaudry. 1,682,881; Sept. 4.
- Casket and burial vault, Combination. W. I. Grove. 1,674,898; June 26.
- Casket and burial vault, Combination. G. A. Norrie. 1,668,728; May 8.
- Casket, Burial. A. M. Alexander. 1,671,459; May 29.
- Casket, Burial. M. F. Davoran. 1,689,183; Oct. 23.
- Casket, Burial. J. E. Falck. Des. 75,966-70; Aug. 7.
- Casket clamp. F. Thomas. 1,658,616; Feb. 7.
- Casket, Cremation. L. H. Tazza. 1,660,019; Feb. 21.
- Casket handle. C. I. McClelland. Des. 74,751; Mar. 20.
- Casket-light support. E. E. Hill. 1,672,317; June 5.
- Casket rest and strap slide, Combined. F. D. Grund. 1,681,337; Aug. 21.
- Casket-retaining device. W. B. Parsels. 1,663,172; Mar. 20.
- Casket support and transfer. S. C. Sweigart. 1,679,797; Aug. 7.
- Caskets, Fastening device for metal burial. E. L. Mory. 1,658,686; Feb. 7.
- Cassava-starch plastic composition and molding same. C. Ellis. 1,664,601; Apr. 3.
- Casserole and band, Combined. H. H. Schott. Des. 75,876; July 24.
- Cassette, Intra-oral. F. L. Stanton. 1,662,838; Mar. 20.
- Cast Iron, Hardened. K. Sipp. 1,658,467; Feb. 7.
- Cast pipe and apparatus for making pipe. W. H. Mills-paugh. 1,673,013; June 12.
- Caster. J. Bowen. 1,680,446; Aug. 14.
- Caster. D. B. Diss and O. E. Hamilt. 1,656,512; Jan. 17.
- Caster. E. B. Everly. 1,671,416; May 29.
- Caster. B. Hossard. 1,689,031; Oct. 23.
- Caster. N. L. and F. J. Jarvis. 1,665,882; Apr. 10.
- Caster. N. L. Jarvis and F. J. Jarvis. 1,669,165; May 8.
- Caster. F. K. Kilian. 1,691,659; Nov. 13.
- Caster. B. McIntosh. 1,671,774; May 29.
- Caster. W. A. Stockdale. 1,687,113; Oct. 9.
- Caster, Adjustable. W. C. Hartmann. 1,693,920; Dec. 4.
- Caster lock. A. R. Oberwagner. 1,687,631; Oct. 16.
- Caster-mounting bracket. W. F. Herold. 1,691,716; Nov. 13.
- Caster or roller, Receding or disappearing. H. A. Buckert and E. K. Hall. 1,686,894; Oct. 9.
- Caster, Sliding. W. F. Kaynor. 1,659,489; Feb. 14.
- Casting. A. O. Austin. 1,693,429; Nov. 27.
- Casting and front draft lug, Combined striking. C. M. Hannaford. 1,693,295; Nov. 27.
- Casting and shelf plate. H. A. Grine. 1,674,108; June 19.
- Casting apparatus. S. W. Crawford. 1,669,694; May 15.
- Casting apparatus. F. Ehrmann. 1,694,118; Dec. 4.
- Casting apparatus. B. L. Hooper. 1,688,928; Oct. 23.
- Casting, Apparatus for. W. H. Mills-paugh. 1,686,624; Oct. 9.
- Casting apparatus for first-quality and refined steels. F. Geissler. 1,693,076; Nov. 27.
- Casting apparatus, Metal. P. Rosenberger. 1,673,054; June 12.
- Casting articles having chromium-alloy surfaces. W. M. Mitchell. 1,677,979; July 24.
- Casting articles of corrosionproof steel. F. Hauptmeyer. 1,684,700; Sept. 18.
- Casting ceramic pieces, Method and apparatus for. A. O. Austin. 1,679,345; Aug. 7.
- Casting closed-bottom ingot molds, Apparatus for. J. E. Perry. 1,673,586; June 12.
- Casting composition sheets, Apparatus for. E. R. Armstrong. 1,672,403; June 5.
- Casting device. J. Le May. 1,673,415; June 12.
- Casting ferrous metals. W. P. and B. Shimer. 1,687,799; Oct. 16.
- Casting machine. F. N. Brown, jr. 1,666,843; Apr. 17.
- Casting machine and casting, Centrifugal. M. C. Smotzer. 1,684,419; Sept. 18.
- Casting machine and mold, Centrifugal pipe-. J. H. Uhrig. 1,695,514; Dec. 18.
- Casting machine, Automatic. I. H. Shapiro. 1,659,638; Feb. 21.
- Casting machine, Automatic multiple-plate. H. A. W. Wood. 1,687,414; Oct. 9.
- Casting machine, Centrifugal. J. A. and D. S. Gardner. 1,694,504; Dec. 11.
- Casting machine, Centrifugal. J. K. Hencken. 1,665,700; Apr. 10.
- Casting machine, Centrifugal. W. H. Millspaugh. 1,679,910; Aug. 7.
- Casting machine, Centrifugal. C. P. Shoudy. 1,683,267; Sept. 4.
- Casting machine, Centrifugal. J. O. Wishart. 1,690,354; Nov. 6.
- Casting machine, Die-. N. Lester. 1,673,833; June 19.
- Casting machine, Matrix-setting and type-line. K. Röger, H. Schoenleben, and F. Walther. 1,677,462; July 17.
- Casting machine, Metal. H. C. Poske. 1,666,910; Apr. 24.
- Casting machine, Pneumatic die-. N. Lester. 1,673,832; June 19.
- Casting machine (weighing mechanism), Centrifugal. W. D. Moore and W. Morgan. 1,693,654; Dec. 4.
- Casting machines, Automatic control for centrifugal. M. D. Smith, W. Morgan, and W. D. Moore. 1,656,539; Jan. 17.
- Casting machines, Rule slide for setting blank forms on slug-. M. Somes. 1,658,949; Feb. 14.
- Casting machines, Safety device for line-. S. E. Sperry. 1,674,415; June 19.
- Casting machines, Vacuum head for. E. C. Lyons. 1,669,767; May 15.
- Casting means for typographical machines. F. E. Barber. 1,696,074; Dec. 18.
- Casting metal bodies, Apparatus for. A. E. Mix. 1,693,283; Nov. 27.
- Casting metal, Method of and apparatus for. J. M. Nelson. 1,679,582; Aug. 7.
- Casting, Method of and apparatus for. J. B. Ladd. 1,655,064; Jan. 3.
- Casting, Method of and machine for. E. J. Byerlein. 1,696,670; Dec. 25.
- Casting molds or the like, Apparatus for. R. M. Hinman. 1,687,450; Oct. 9.
- Casting, Nonferrous. R. L. Binney. 1,665,435; Apr. 10.
- Casting of melted metals under pressure, Apparatus for the. E. Brumm. 1,669,323; May 8.
- Casting pipe. H. Burchartz. 1,678,633; July 31.
- Casting pipe and other annular articles centrifugally, Apparatus for. A. Losey. 1,675,716; July 3.
- Casting, Process and apparatus for. N. Littell. 1,683,475; Sept. 4.
- Casting, process of and apparatus for centrifugal. J. Holthaus. 1,678,641; July 31.
- Casting, Rotary. W. W. Wetling and A. M. Henry. 1,662,592; Mar. 13.
- Casting stereotype plates, Mantle of molds for. C. Winkler. 1,669,316; May 8.
- Casting, Striking. D. S. Barrows. 1,694,960; Dec. 11.
- Casting under pressure, Apparatus for. E. Jorgen-Jensen. 1,684,994; Sept. 18.
- Castings and appurtenances therefor, Hardening. W. T. Holsizer. 1,673,873; June 19.
- Castings and the like, Manufacture of cylindrical. A. J. Hoagland. 1,679,217; July 31.
- Castings, Apparatus for straightening tubular. E. J. Stanek. 1,664,904; Apr. 3.
- Castings, Controlling metal. H. S. Lee. 1,685,546; Sept. 25.
- Castings, Making. D. J. Ryan. 1,659,837; Feb. 21.
- Castings, Making malleable-iron. H. A. Schwartz. 1,656,535; Jan. 17.
- Castings, Making malleable-iron. H. A. Schwartz. 1,688,438; Oct. 23.
- Castings, Making smooth. S. T. G. Smith. 1,683,630; Sept. 11.
- Castings, Method and apparatus for forming. L. E. Keen. 1,670,725; May 22.
- Castings, Method and machine for finishing circular. W. Y. Stroh and G. W. Klages. 1,665,286; Apr. 10.
- Castings, Method of and mold for making. A. B. Norton and M. Guyot. 1,618,870; Aug. 7.
- Castings of varying contour, Apparatus for truing up. E. J. Stanek. 1,672,044; June 5.
- Castings, Prevention of cracking of. C. Vanzetti. 1,667,642; Apr. 24.

- Castings, Production of iron. K. Sipp, Mannheim. 1,678,655; July 31.
- Castings with a low carbon content, Production of iron. K. Emmel and H. Walbert. 1,683,714; Sept. 11.
- Casts, Making. E. Hess. 1,661,425; Mar. 6.
- Casts, Making plastic. W. C. Warne. 1,675,202; June 26.
- Castrotrator, Stock. O. B. Ross. 1,686,990; Oct. 9.
- Catalyst carrier. C. R. Downs. 1,672,308; June 5.
- Catalyst compact and making same. W. Schultze. 1,680,807; Aug. 14.
- Catalyst for synthetic methanol production. J. C. Woodruff, G. Bloomfield, and W. J. Bannister. 1,695,447; Dec. 18.
- Catalyst for the production of hydrogen. H. E. Heissler. 1,672,528; June 5.
- Catalyst, Producing a new. K. Schirmacher, F. Stolz, H. Schlichenmaier, and W. Krohs. 1,695,666; Dec. 18.
- Catalysts, Manufacture of. H. Nielsen. 1,665,175; Apr. 3.
- Catalysts, Regenerating. A. O. Jaeger. 1,678,627; July 24.
- Catalysts, Regenerating or reactivating. M. Larsson. 1,668,539; May 1.
- Catalysts, Reviving. A. O. Jaeger. 1,678,626; July 24.
- Catalytic agent and preparing the same. W. A. Patrick. 1,695,740; Dec. 18.
- Catalytic apparatus. E. T. Hessle and W. Lelgemann. 1,661,827; Mar. 6.
- Catalytic apparatus. A. O. Jaeger. 1,660,511; Feb. 28.
- Catalytic apparatus. A. O. Jaeger. 1,682,787; Sept. 4.
- Catalytic apparatus. A. O. Jaeger. 1,685,672; Sept. 25.
- Catalytic apparatus for the synthesis of ammonia. F. C. Reed. 1,689,684; Oct. 30.
- Catalytic dehydrogenation. M. Luther, K. Pierch, and E. Kranepuhl. 1,684,634; Sept. 18.
- Catalytic materials, Preparing. G. Claude. 1,671,345; May 29.
- Catalytic oxidations in the gaseous or vapor state, Carrying out. J. Brode and A. Johannsen. 1,693,915; Dec. 4.
- Catalyzer, Absorbent. A. Godel. 1,674,897; June 26.
- Catalyzer for the manufacture of light hydrocarbons. L. Edeleanu. 1,671,517; May 29.
- Catalyzing the formation of thio-ureas. C. N. Hand and H. P. Roberts. 1,688,707; Oct. 23.
- Catapult. B. G. Fry. 1,687,757; Oct. 16.
- Cataract absorber. A. Asleson. 1,681,653-4; Aug. 21.
- Catch and fastener, Door. P. Petersen. 1,681,679; Aug. 21.
- Catch-basin cleaner. E. P. Healey. 1,686,658; Oct. 9.
- Catch device, Safety. F. L. Mills. 1,677,647; July 17.
- Catch, Drag-handle. J. B. Tucker. 1,696,461; Dec. 25.
- Catch for bag frames. F. Goertz. 1,674,106; June 19.
- Catch for cases and the like. G. T. Bates. 1,664,500; Apr. 3.
- Catch for doors, Push. T. F. Stuart and H. A. Moore. 1,685,508; Sept. 25.
- Catch for vanity boxes, Spring. P. A. Reutter. 1,684,413; Sept. 18.
- Catch, Hood. R. P. Place. 1,689,931; Oct. 30.
- Catch, Lever. J. B. Russ. Des. 77,031; Nov. 27.
- Catch, Push-button. E. W. North. 1,672,901; June 12.
- Catch, Swivel. H. Grasmere. Des. 75,448; June 12.
- Catgut and similar animal products and the manufacture thereof, Substitute for. A. E. Penfold, R. Truesdale, and R. C. Smith. 1,654,944; Jan. 3.
- Catheter. L. A. Nielsen. 1,661,494; Mar. 6.
- Cathode and electron tube containing same, Glow. E. Friederich. 1,667,471; Apr. 24.
- Cathode and making them, Electron emitting. E. E. Schumacher. 1,668,734; May 8.
- Cathode construction. A. N. Lucian. 1,667,977; May 1.
- Cathode construction for thermionic devices. V. K. Zworykin. 1,657,986; Jan. 31.
- Cathode device, Hot-. W. D. Coolidge. 1,684,263; Sept. 11.
- Cathode, Incandescent. B. van der Pol. 1,682,642; Aug. 28.
- Cathode rectifiers, Balancing means for hot-. A. L. Atherton. 1,696,025; Dec. 18.
- Cathodes, Manufacturing electron-emitting. G. Liebert. 1,676,701; July 10.
- Cattle yoke. N. J. Boor. 1,664,394; Apr. 3.
- Causticizing unit. W. D. Mount. 1,685,929; Oct. 2.
- Cedar chest. H. Dworkis. Des. 77,310-12; Dec. 25.
- Ceiling and wall washing machine. V. Pino. 1,660,207; Feb. 21.
- Ceiling box. W. T. Ruete. 1,684,245; Sept. 11.
- Ceiling construction. R. Murray. 1,679,915; Aug. 7.
- Ceiling fixture. M. N. Russell. Des. 76,203; Aug. 28.
- Ceiling fixture, Electric. A. E. Larsen. Des. 75,920-1; July 31.
- Ceiling fixture, Globe-holding. M. Schlepp. Des. 76,556; Oct. 9.
- Ceiling light. H. Goodfriend. Des. 75,362-3; May 29.
- Ceiling light. I. Rosenblatt. Des. 75,047; May 1.
- Ceiling plate. W. Grimshaw. 1,676,228; July 3.
- Ceiling-plate electric fixture. F. Yokel. Des. 75,941; July 31.
- Ceiling plate for lighting fixtures or similar articles. J. A. Boehringer. Des. 76,371; Sept. 25.
- Cell, Conductivity. I. B. Smith. 1,670,640; May 22.
- Cell, Dry. E. C. Smith. 1,682,995; Sept. 4.
- Cell element and making the same, Dry-. L. G. Jenness. 1,694,919; Dec. 11.
- Cell for electrodeposition of metals. R. D. Pike, G. H. West, and B. P. Little. 1,689,597; Oct. 30.
- Cell-packing system for expedition and conservation of eggs. E. Widmer. 1,673,961; June 19.
- Cell, Photosensitive. S. Ruben. 1,694,189; Dec. 4.
- Cell, Primary. C. A. Gillingham. 1,688,073; Oct. 16.
- Cells, Apparatus for assembling galvanic. H. D. Hodge. 1,669,054; May 8.
- Celluloid tubes, Method of and apparatus for making. J. N. Whitehouse. 1,661,451; Mar. 6.
- Cellulose acetate, Making. E. S. Farrow, jr. 1,679,966; Aug. 7.
- Cellulose acetate, Making. H. Le B. Gray and C. J. Staud. 1,668,959; May 8.
- Cellulose acetate, Making chloroform-soluble. H. Le B. Gray and C. J. Staud. 1,690,632; Nov. 6.
- Cellulose acetate, Manufacture of. J. W. Bulmer. 1,692,622; Nov. 20.
- Cellulose acetate, Manufacture of. L. A. Levy. 1,655,870; Jan. 10.
- Cellulose acetate, Preparation of. H. L. Barthélemy. 1,668,485; May 1.
- Cellulose acetate, Reactylating. H. T. Clarke and C. J. Malm. 1,668,946; May 8.
- Cellulose acetate, Reducing the viscosity characteristics of. L. E. Branchen and C. U. Prachel. 1,658,368; Feb. 7.
- Cellulose and other chemical products, Producing. H. Wallin. 1,660,696; Feb. 28.
- Cellulose, Apparatus for boiling. K. Hangleiter and A. Schneider. 1,693,983; Dec. 4.
- Cellulose-bearing material for subsequent saccharification, Neutralizing. J. Perl. 1,687,755; Oct. 16.
- Cellulose-bearing material, Saccharification of. J. Perl. 1,677,406; July 17.
- Cellulose by decomposition of vegetable fibers, Production of. O. C. Strecker. 1,658,213; Feb. 7.
- Cellulose composition. O. Drossbach and O. Jordan. 1,677,753; July 17.
- Cellulose compound and making same. L. Lillienfeld. 1,674,401; June 19.
- Cellulose compound and making same. L. Lillienfeld. 1,674,405; June 19.
- Cellulose compounds, Manufacture of. F. C. Niederhauser and H. B. Kline. 1,655,626; Jan. 10.
- Cellulose derivative and producing same. L. Lillienfeld. 1,682,292; Aug. 28.
- Cellulose derivative and producing same. L. Lillienfeld. 1,682,294; Aug. 28.
- Cellulose derivatives, Manufacture of new. L. Lillienfeld. 1,680,224; Aug. 7.
- Cellulose derivatives, Manufacture of products having a basis of. W. A. Dickle and J. H. Rooney. 1,655,677; Jan. 10.
- Cellulose derivatives, Treatment of. G. H. Ellis, H. C. Olpin, and W. B. Miller. 1,679,935; Aug. 7.
- Cellulose digesters and the like and means therefor. Charging. P. A. Fresk. 1,676,691; July 10.
- Cellulose digesters and the like and means therefor, Charging. P. A. Fresk. 1,690,192; Nov. 6.
- Cellulose-ester article and making same, Decorated. A. S. Donaldson. 1,694,847; Dec. 11.
- Cellulose ester composition. R. L. Kramer. 1,676,612; July 10.
- Cellulose-ester plastic, Making compound. K. W. Monroe. 1,657,172; Jan. 24.
- Cellulose-ester plastic, Rejuvenating. J. H. Sherts. 1,657,870; Jan. 31.
- Cellulose, Esterification of. H. L. Barthélemy. 1,668,484; May 1.
- Cellulose esters and of their compositions, Manufacture of articles of. K. W. Schwartz. 1,688,060; Oct. 16.
- Cellulose esters containing halogenated acyl groups and making same. H. T. Clarke and C. J. Malm. 1,687,060; Oct. 9.
- Cellulose esters containing nitro groups and halogen-substituted acyl groups. H. T. Clarke and C. J. Malm. 1,690,621; Nov. 6.
- Cellulose esters containing unsaturated organic acid groups. H. T. Clarke and C. J. Malm. 1,690,620; Nov. 6.
- Cellulose-ether composition. S. J. Carroll. 1,658,369; Feb. 7.
- Cellulose ethers and products thereof, Reducing the viscosity characteristics of. C. U. Prachel and L. E. Branchen. 1,679,943; Aug. 7.
- Cellulose ethers, Manufacture of. O. Leuchs and E. Dörr. 1,694,127; Dec. 4.
- Cellulose-fiber product and making, Sized. L. Bradshaw. 1,672,705; June 5.
- Cellulose fiber, Production of high alpha-. G. A. Richter. 1,654,603; Jan. 3.
- Cellulose fiber, Production of high-alpha-. G. A. Richter. 1,678,230; July 24.
- Cellulose fibers from vegetable materials, Freeing. W. I. Chidester. 1,659,809; Feb. 21.
- Cellulose in presence of a phenol, Esterification of. C. Diamond. 1,681,103; Aug. 14.
- Cellulose intended to be employed for the manufacture of cellulose acetates, Preparation of a modified. M. Cusin and P. A. A. Chevalet. 1,671,513; May 29.
- Cellulose-nitrate solution. M. B. Hopkins and H. E. Buc. 1,694,097; Dec. 4.
- Cellulose, Preparation of. P. J. A. Maignen. 1,672,895; June 12.
- Cellulose product and producing such product. W. W. Carter. 1,693,573; Nov. 27.

- Cellulose product having the appearance of wool, Manufacture of a. A. Pellerin. 1,664,319; Mar. 27.
- Cellulose solution and making same. L. Lilienfeld. 1,658,606; Feb. 7.
- Cellulose thiourethane esters and ethers and making same. L. Lilienfeld. 1,674,402; June 19.
- Cellulose with lower fatty acids, Esterifying hydrated. H. T. Clarke and C. J. Malm. 1,668,945; May 8.
- Cellulose with lower fatty acids, Esterifying mercerized. H. T. Clarke and C. J. Malm. 1,687,059; Oct. 9.
- Cellulose xanthate, Manufacture of. P. Moro. 1,639,958; Oct. 30.
- Cellulose-xanthating process. W. Mendel. 1,681,900; Aug. 21.
- Cellulosic material, Manufacture of woollike. W. Harrison. 1,680,021; Aug. 7.
- Cellulosic material, Treating. F. C. Niederhauser and H. B. Kline. 1,661,493; Mar. 6.
- Cellulosic materials, Treating. F. C. Niederhauser and H. B. Kline. 1,661,574; Mar. 6.
- Cellulosic materials, Treatment of. D. de Góncz. 1,661,879; Mar. 6.
- Cement. C. Ellis. 1,695,637; Dec. 18.
- Cement. M. Gannon. 1,675,265; June 26.
- Cement and producing the same, Dolomite. F. W. Brown. 1,682,479; Aug. 28.
- Cement-applying machine. H. G. Ellis and H. A. Mathis. 1,682,494; Aug. 28.
- Cement-block rammer. H. E. Dunn. 1,661,414; Mar. 6.
- Cement blocks, Forming. M. Tomarin. 1,684,525; Sept. 18.
- Cement bodies, Manufacturing molded. A. Chatelain. 1,657,956; Jan. 31.
- Cement-dump bailer, Oil-well. A. E. Johnson. 1,687,161; Oct. 9.
- Cement heater, Can-labeling-machine pick-up. C. H. Wild. 1,675,397; July 3.
- Cement-kiln system. D. S. Jacobus. 1,658,443; Feb. 7.
- Cement manufacture. W. A. Schmidt. 1,688,882; Oct. 23.
- Cement mixers, Loader for. C. J. Westling. 1,661,244; Mar. 6.
- Cement mixings for cold glazes or the like, Composition to be added to. J. Langbein. 1,695,808; Dec. 18.
- Cement-molding apparatus. B. Pietro fu Natale. 1,655,023-4; Jan. 3.
- Cement, Plumber's. L. F. Canning. 1,661,065; Feb. 28.
- Cement, Producing calcium aluminate. E. M. Roche. 1,689,891; Oct. 30.
- Cement product. R. V. Mattison. 1,687,681; Oct. 16.
- Cement, Refractory. J. W. Marden and H. K. Richardson. 1,695,812; Dec. 18.
- Cement, Wet process for manufacturing. W. P. Eckdahl. 1,693,644; Dec. 4.
- Cementing and floating shoe. R. C. Baker. 1,685,307; Sept. 25.
- Cementing apparatus. S. E. Manning. 1,684,551; Sept. 18.
- Cementing compound. J. Mayes. 1,693,488; Nov. 27.
- Cementing device. R. W. Snyder. 1,656,873; Jan. 17.
- Cementing device for bands. L. Wetmore. 1,656,877; Jan. 17.
- Cementing machine. J. W. Cosgrove. 1,682,036; Aug. 28.
- Cementing oil, gas, and water wells, Method of and apparatus for. A. Boynton. 1,687,424; Oct. 9.
- Cementing oil wells. M. T. McKee. 1,677,975; July 24.
- Cementing pulp stones. H. O. Keay. 1,655,371; Jan. 3.
- Cementing wells. A. H. Hobart. 1,694,419; Dec. 11.
- Cementing wells, Device for. A. Boynton. 1,667,649; Apr. 24.
- Cements, Manufacture of aluminous. L. G. Patrouilleau. 1,694,338; Dec. 4.
- Cements rich in alumina, Manufacturing. A. Hasselbach. 1,677,182; July 17.
- Cementitious composition. J. A. McCormick and C. A. Cabell. 1,656,984; Jan. 24.
- Cementitious composition, Waterproof. J. D. Carter. 1,681,570; Aug. 21.
- Cementitious material. H. E. Brookby and C. K. Roos. 1,668,548; May 8.
- Cementitious material of cellular structure, Making. G. B. Hinton. 1,657,716; Jan. 31.
- Cementitious materials, Process and apparatus for mixing quick-setting. G. M. Thomson. 1,660,242; Feb. 21.
- Cementitious materials, Making cellular. G. B. Hinton. 1,687,067; Oct. 9.
- Cementitious molding. N. C. Johnson. 1,668,723; May 8.
- Center clamp. H. S. Jandus. 1,690,861; Nov. 6.
- Centering, babbittin, and machining device, Combined. C. H. Crone. 1,686,845; Oct. 9.
- Centering device. E. L. Schellens, and J. S. Coffin, jr. 1,654,898; Jan. 3.
- Centering device and emergency coupler support. G. G. Gilpin. 1,658,120; Feb. 7.
- Centering device for use in machining crank shafts, eccentricities, or the like. J. Renz. 1,676,175; July 3.
- Centering instrument, Automatic. L. G. Reppell. 1,660,578; Feb. 28.
- Centrifugal. C. Schaum. 1,667,493; Apr. 24.
- Centrifugal cleaner. M. P. Holmes. 1,678,338; July 24.
- Centrifugal device. G. H. Laland. 1,666,458; Apr. 17.
- Centrifugal extractor. F. Balzer. 1,694,614; Dec. 11.
- Centrifugal extractor. A. R. Curtis. 1,659,391; Feb. 14.
- Centrifugal extractor. C. A. Kelsey. 1,689,490; Oct. 30.
- Centrifugal machine. J. W. Bercaw. 1,682,473; Aug. 28.
- Centrifugal machine. W. E. Bock. 1,671,397; May 29.
- Centrifugal machine. W. E. Bock. 1,692,804; Nov. 27.
- Centrifugal machine. W. C. Laughlin. 1,655,426; Jan. 10.
- Centrifugal machine. W. W. Malloy. 1,665,065; Apr. 3.
- Centrifugal machine. V. Redlich. 1,663,731; Mar. 27.
- Centrifugal machine. M. L. Sansaricq. 1,655,774; Jan. 10.
- Centrifugal machine for casting metal. D. Brown. 1,691,464; Nov. 13.
- Centrifugal machine, Oscillating. H. W. Pleister. 1,658,650; Feb. 7.
- Centrifugal machines, Automatic control of. M. D. Smith, W. Morgan, and W. D. Moore. 1,656,537; Jan. 17.
- Centrifugal operating mechanism. W. J. Branson. 1,694,700; Dec. 11.
- Centrifugal process and apparatus. J. M. Schutz. 1,668,872; May 8.
- Centrifugal separator. J. I. Fritz. 1,694,972; Dec. 11.
- Centrifugal separator. E. Kopke. 1,679,829; Aug. 7.
- Centrifugal separator. H. McCormack. 1,662,199; Mar. 13.
- Centrifugal separator. D. T. Sharples. 1,679,790; Aug. 7.
- Centrifugal separator. D. T. Sharples. 1,687,394; Oct. 9.
- Centrifugal sprinkler. J. C. Perdue. 1,683,259; Sept. 4.
- Centrifugal switch. E. C. Ballman. 1,678,896; June 19.
- Centrifugal switch. H. L. Brump. 1,696,621; Dec. 25.
- Centrifugal switch, Automatic. H. M. Hans. 1,664,362; Mar. 27.
- Centrifuge. L. Altpeter. 1,661,782; Mar. 6.
- Centrifuge. L. Altpeter. 1,695,990; Dec. 18.
- Centrifuge and mold holder therefor. H. Barkschat. 1,663,896; Mar. 27.
- Ceramic articles, Making. D. W. Ross and J. M. Lambie. 1,690,208; Nov. 6.
- Ceramic and other products, Apparatus for firing. C. T. Holcroft and C. E. Doll. 1,662,063; Mar. 13.
- Ceramic material. F. H. Riddle. 1,682,250; Aug. 28.
- Ceramic material. F. H. Riddle. 1,682,251; Aug. 28.
- Ceramic plates, Making finely-perforated. J. F. Scheid and V. Tonndorf. 1,673,269; June 12.
- Ceramic product and producing the same. L. R. Wilder. 1,680,832; Aug. 14.
- Ceramic products in the course of their production, Supporting and exposing. T. C. and W. O. Prouty. 1,676,799; July 10.
- Ceramic products, Manufacturing. L. Kern. 1,666,936; Apr. 24.
- Ceramic ware, Forming. H. R. Straight. 1,682,200; Aug. 28.
- Certificate holder. L. L. Sherwood. 1,671,554; May 29.
- Chaffer for thrashers. S. W. Cady. 1,695,532; Dec. 18.
- Chafing-strip applicator. E. F. Maas. 1,665,889; Apr. 10.
- Chain. C. Augenstein and R. Vogel. 1,661,869; Mar. 6.
- Chain. C. Augenstein and R. Vogel. 1,664,280; Mar. 27.
- Chain. C. Augenstein and R. Vogel. 1,670,132; May 15.
- Chain. L. E. Fulford. 1,655,763; Jan. 10.
- Chain. C. W. A. Koelkebeck. 1,658,602; Feb. 7.
- Chain. R. Kollmar. 1,695,462; Dec. 18.
- Chain. M. O. Rebuss. 1,683,486; Sept. 4.
- Chain. C. Schrayssbuen. 1,670,940; May 22.
- Chain adjusting mechanism. F. L. Morse. 1,657,024; Jan. 24.
- Chain and attachment therefor. N. D. Levin. 1,686,566; Oct. 9.
- Chain and links therefor, Drive. R. F. Dow. 1,665,808; Apr. 10.
- Chain and part therefor. H. E. Sturtevant. 1,678,450; July 24.
- Chain, Antiskid. F. C. Carpenter. 1,670,528; May 22.
- Chain, Antiskid. G. Harris and E. E. Harold. 1,655,727; Jan. 10.
- Chain, Antiskid. A. L. Johnston, jr. 1,666,497; Apr. 17.
- Chain, Antiskid. P. H. Pfeil. 1,696,448; Dec. 25.
- Chain, Antiskid tire. E. A. Andrews. 1,655,122; Jan. 3.
- Chain, Automobile skid. E. E. Wagner. 1,687,407; Oct. 9.
- Chain band. C. Schrayssbuen and F. Renz. 1,689,367; Oct. 30.
- Chain, Bracelet. S. O. Bigney. 1,692,809; Nov. 27.
- Chain, Bracelet. E. Prestinari. 1,695,505; Dec. 18.
- Chain connector. J. T. Hutton. 1,688,461; Oct. 23.
- Chain construction. S. A. Johnson and R. Vogel. 1,670,663; May 22.
- Chain construction. R. S. Kelson. 1,676,863; July 10.
- Chain, Conveyer. C. A. Brock. 1,687,005; Oct. 9.
- Chain coupling, Suspension. P. J. Knoblock. 1,683,904; Sept. 11.
- Chain, Cutter. M. J. Hire. 1,689,139; Oct. 23.
- Chain, Cutter. M. P. Holmes. 1,679,135; July 31.
- Chain, Drive. E. F. Bohning. 1,693,431; Nov. 27.
- Chain, Drive. E. B. Nichols. 1,689,556; Oct. 30.
- Chain, Drive and conveyer. E. E. Landahl. 1,694,746; Dec. 11.
- Chain drive for driers. E. E. Berry. 1,663,237; Mar. 20.
- Chain drive sand-reel attachment. E. Timbs and L. S. Zerbe. 1,678,236; July 24.
- Chain drive, Silent. W. J. Belcher. 1,670,278; May 15.
- Chain drive, Variable. R. W. Wichtendahl. 1,662,037; Mar. 6.
- Chain drives, Slack adjuster for silent. J. C. Chapman. 1,673,762; June 12.
- Chain element for pattern mechanism. E. R. Holmes. 1,692,989; Nov. 27.

- Chain-fastening device. E. G. Kimmich. 1,673,515; June 12.
- Chain, Flexible. A. A. Doty. 1,668,359; May 1.
- Chain for automobiles, Antiskid. E. B. Johnson. 1,665,098; Apr. 3.
- Chain for automobiles, Nonskid. C. H. Weston. 1,673,655; June 12.
- Chain for vehicle nonskid devices, Cross-. J. R. Reyburn. 1,696,255; Dec. 25.
- Chain-grate stoker. A. W. Bennis. 1,660,217; Feb. 21.
- Chain grate, Traveling. E. Nicolini. 1,670,866; May 22.
- Chain hook. G. W. Gruner. 1,689,827; Oct. 30.
- Chain hook. F. B. King. 1,680,551; Aug. 14.
- Chain hook. F. Sievern. 1,662,940; Mar. 20.
- Chain link. A. J. Bazeley and W. J. Metzger. 1,672,867; June 12.
- Chain link, Conveyer-. C. Rorabeck. 1,676,053; July 3.
- Chain link, Drag-. W. M. Pyor. 1,682,983; Sept. 4.
- Chain lock, Side-. A. N. Edgburn. 1,689,944; Oct. 30.
- Chain lock, Tire-. W. F. Helwig. 1,679,902; Aug. 7.
- Chain-making machine. A. and F. Helle. 1,658,924; Feb. 14.
- Chain, Manufacture of cast-steel. L. Fawcett. 1,656,371; Jan. 17.
- Chain-operating device. J. A. Moreno. 1,673,297; June 12.
- Chain or bracelet. C. Schrayshuen. 1,668,217; May 1.
- Chain, Ornamental. J. Anthony. 1,686,594; Oct. 9.
- Chain pendant and coupler, Combined. W. J. Finkenzeller. 1,656,667; Jan. 17.
- Chain pliers. H. St. Pierre. 1,657,978; Jan. 31.
- Chain repair link, Cross-. P. McLoughlin. 1,659,981; Feb. 21.
- Chain-reversing mechanism. H. A. Clark. 1,666,845; Apr. 17.
- Chain, Side-face drive. M. O. Reeves. 1,673,950; June 19.
- Chain, Silent. C. E. Johnson and J. F. McCann. 1,661,074; Feb. 28.
- Chain, Sprocket. T. J. Hughes. 1,667,259; Apr. 24.
- Chain, Sprocket. J. C. Merwin. 1,694,275; Dec. 4.
- Chain tightener and fastener. I. J. D. Fairhurst. 1,689,120; Oct. 23.
- Chain tightener and holder. G. J. Bowman. 1,663,621; Mar. 27.
- Chain tightener, Automobile. H. E. Bahnsen. 1,687,818; Oct. 9.
- Chain track for motor vehicles. V. Jereczek. 1,684,918; Sept. 18.
- Chain, Tracklayer. W. H. Smyth. 1,660,099; Feb. 21.
- Chain transmission for elevator devices. O. F. Shepard. 1,684,520; Sept. 18.
- Chain wrench. F. J. Carnelli. 1,659,930; Feb. 14.
- Chains, Apparatus for making. A. G. Heinle. 1,666,380; Apr. 17.
- Chains, Apparatus for regulating the tension of. E. M. Ballot. 1,662,229; Mar. 13.
- Chains, Attachment for. G. W. Wilmot. 1,685,112; Sept. 25.
- Chains, Belt loop for. L. F. Otten. 1,682,536; Aug. 28.
- Chains, Coupling for bead. W. J. Gagnon. 1,662,665; Mar. 13.
- Chains, Cross member for nonskid. E. J. Herchert. 1,678,063; July 24.
- Chains, Lock for antiskid. D. Carroll. 1,656,168; Jan. 17.
- Chains, Making sheet-metal. T. Russell. 1,680,067; Aug. 7.
- Chains, Pin-retaining means for. H. Klauke. 1,665,100; Apr. 3.
- Chains, Safety hook for tire. C. Kreutz. 1,668,325; May 1.
- Chair: See—
- Bar chair. Motor-coach chair
- Barber's chair. Portable chair.
- Camp chair. Radio operator's chair.
- Camp convenience chair. Rail chair.
- Collapsible chair. Reclining chair.
- Dental chair. Rocking chair.
- Dining chair. Rotary chair.
- Foldable chair. Sereed chair.
- Folding chair. Swiveling chair.
- Invalid chair. Theater chair.
- Metal chair. Tilting chair.
- Chair. A. J. Adams. 1,691,033; Nov. 13.
- Chair. E. M. Bishoff. 1,664,103; Mar. 27.
- Chair. C. A. Brown. 1,694,617; Dec. 11.
- Chair. N. N. Brown. 1,676,074; July 3.
- Chair. E. D. Bump. 1,696,153; Dec. 18.
- Chair. J. L. Cable. 1,694,935; Dec. 11.
- Chair. L. Dellert. 1,664,356; Mar. 27.
- Chair. H. P. Faris. Des. 76,860; Nov. 13.
- Chair. W. S. Ferris. Des. 76,863; Nov. 13.
- Chair. W. S. Ferris. 1,654,539; Jan. 3.
- Chair. W. S. Ferris. 1,662,458; Mar. 13.
- Chair. W. S. Ferris. 1,678,004; July 24.
- Chair. C. B. Y. Geoffroy. Des. 76,927; Nov. 20.
- Chair. C. Glantz. Des. 75,556; June 19.
- Chair. O. Greenless. Des. 75,235; May 22.
- Chair. W. H. Gunlocke and G. J. Pike. Des. 75,490; June 12.
- Chair. R. H. Irvine. 1,669,757; May 15.
- Chair. C. S. Johnson. 1,694,013; Dec. 4.
- Chair. E. O. Klemm. 1,659,572; Feb. 21.
- Chair. A. J. Lehman. Des. 77,322; Dec. 25.
- Chair. E. H. Long. Des. 75,270; May 22.
- Chair. B. W. McLean. Des. 75,927; July 31.
- Chair. E. E. Nahon. Des. 74,384; Feb. 7.
- Chair. W. H. Patton. 1,674,375; June 19.
- Chair. D. T. Robertson. 1,660,494; Feb. 28.
- Chair. R. Rychtarik. Des. 76,158; Aug. 21.
- Chair. E. N. Spear. Des. 76,330; Sept. 11.
- Chair. T. N. Strand. Des. 76,432; Sept. 25.
- Chair. C. F. Streit. 1,674,846; June 26.
- Chair. J. J. and M. A. Wilkinson. 1,667,406; Apr. 24.
- Chair. A. Wurdack. 1,691,262; Nov. 13.
- Chair. I. K. Wurdack. 1,695,790; Dec. 18.
- Chair and bed, Convertible. M. Schwab. 1,690,797; Nov. 6.
- Chair and couch, Combined. L. W. Parsons. 1,656,230; Jan. 17.
- Chair and foot rest, Reclining. W. Grimmich. 1,675,547; July 3.
- Chair and stepladder, Combination. E. W. Sweigard. 1,663,960; Mar. 27.
- Chair and telephone stand, Combination. J. Engquist. 1,655,860; Jan. 10.
- Chair and window seat, Combination. P. Baumgarten. 1,676,723; July 10.
- Chair attachment. G. W. Loveridge. 1,690,025; Oct. 30.
- Chair back. A. L. Johnson. Des. 75,848; July 24.
- Chair back or similar article. L. E. Gordon. Des. 76,234; Sept. 4.
- Chair carrier, Portable. C. Weber. 1,687,812; Oct. 16.
- Chair construction. F. H. Headley. 1,687,333; Oct. 9.
- Chair cushion. J. E. Horn. 1,684,989; Sept. 18.
- Chair-elevating mechanism. A. W. Schramm. 1,656,760; Jan. 17.
- Chair for automobiles and the like, Supplemental. C. W. Chair for supporting and spacing concrete beam and slab reinforcing steel. W. E. Mathews. 1,674,476; June 19.
- Chair for vehicles, Auxiliary. A. C. Lawler. 1,680,794; Aug. 14.
- Chair for wall closets, etc., Adjustable supporting. W. V. Bulman. 1,693,744; Dec. 4.
- Chair-leg brace. J. Cerny. 1,684,727; Sept. 18.
- Chair lock, Reclining-. O. Ulrich. 1,670,555; May 22.
- Chair or couch. J. Kronheim. 1,664,934; Apr. 3.
- Chair or settee, Leg of a. C. Bauer. Des. 76,216; Sept. 4.
- Chair or similar article. L. F. Smith. Des. 76,559; Oct. 9.
- Chair or similar article of furniture. A. A. See. Des. 76,337; Sept. 11.
- Chair or the like. C. R. Wright. Des. 76,845; Nov. 6.
- Pettigrew. 1,687,038; Oct. 9.
- Chair particularly for office use. C. J. Bendix. 1,688,956; Oct. 23.
- Chair rocker-. C. C. Rodery. 1,682,685; Aug. 28.
- Chair seat. S. Paul. 1,657,896; Jan. 31.
- Chair seat for children, Barber-. J. J. Walcom. 1,693,166; Nov. 27.
- Chair-seat mounting. S. M. Bump. 1,696,154; Dec. 18.
- Chair, stool, seat, and the like, Metallic. F. H. Headley. 1,678,006; July 24.
- Chair support, Steamer-deck-. G. G. Perego. 1,689,964; Oct. 30.
- Chairs, Adjustable back rest for. A. J. Adams. 1,691,034; Nov. 13.
- Chairs, Construction of sea-grass, cane, and willow. L. S. Kun. 1,657,016; Jan. 24.
- Chairs, Foot rest for. A. J. Adams. 1,691,036; Nov. 13.
- Chairs, Leg brace for. A. J. Adams. 1,670,561; May 22.
- Chaise longue. B. P. Burns. 1,670,019; May 15.
- Chalk holder, Chalk-line. J. Osborne. 1,667,902; May 1.
- Chalking cue tips, Device for. J. O. Miller. 1,688,310-11; Oct. 16.
- Chamber, Combination steam. S. C. Markatos. 1,679,253; July 31.
- Chamber for internal-combustion engines, Combustion. A. E. Winckler. 1,691,173; Nov. 13.
- Chamber for hydrogen-cooled machines, Inert-gas protective. F. D. Newbury. 1,686,027; Oct. 2.
- Chamber pot. A. Wittig. 1,677,223; July 17.
- Chamfering device. B. Philipp. 1,662,936; Mar. 20.
- Chamois tanned leather, Manufacture of. A. Kemmler. 1,657,800; Jan. 31.
- Chamotte materials, Manufacturing. L. Kern. 1,664,689; Apr. 3.
- Chandelier. J. Di Gaudio. Des. 75,959; Aug. 7.
- Chandelier. W. J. Fielding. Des. 76,742-3; Oct. 30.
- Chandelier. F. A. Frerichs. Des. 75,419; June 5.
- Chandelier. J. Horowitz. Des. 74,511; Feb. 21.
- Chandelier. J. Knieriem. Des. 75,570; June 19.
- Chandelier. C. W. Logan. Des. 77,012; Nov. 27.
- Chandelier. G. Ludwig. Des. 75,377; May 29.
- Chandelier. B. Newland. Des. 76,630; Oct. 16.
- Chandelier. J. Novin. Des. 74,694; Mar. 13.
- Chandelier. J. Novin. Des. 75,864; July 24.
- Chandelier. T. J. Petersen. Des. 75,039; May 1.
- Chandelier. T. J. Petersen. Des. 75,043; May 1.
- Chandelier. T. J. Petersen. Des. 76,041; Aug. 14.
- Chandelier. M. Rodolitz. Des. 75,447; June 5.
- Chandelier. I. Rosenblatt. Des. 76,051-2; Aug. 14.
- Chandelier. I. Rosenblatt. Des. 76,054; Aug. 14.
- Chandelier. I. Rosenblatt. Des. 77,123-4; Dec. 4.
- Chandelier. T. Shapiro. Des. 74,323-5; Jan. 24.
- Chandelier. T. Shapiro. Des. 74,328; Jan. 24.
- Chandelier. W. Symmes, G. H. Harman, and C. F. Duval. 1,668,788; May 8.

- Chandelier, G. E. Villaret. Des. 77,136; Dec. 4.
 Chandelier, F. Yokel. Des. 75,315-16; May 22.
 Chandelier, F. Yokel. Des. 75,943; July 31.
 Chandelier, F. Yokel. Des. 75,946; July 31.
 Chandelier body, M. C. Abuza. Des. 75,599; June 26.
 Chandelier body, I. Rosenblatt. Des. 75,068; May 1.
 Chandelier body, I. Rosenblatt. Des. 75,069; May 1.
 Chandelier body or article of analogous nature, A. R. Krause. Des. 76,313; Sept. 11.
 Chandelier body or article of analogous nature, J. Novin. Des. 75,884; May 29.
 Chandelier, Heater-supporting, L. E. Shaw. 1,677,054; July 10.
 Chandelier or analogous article, I. Rosenblatt. Des. 74,190; Jan. 3.
 Chandelier or article of analogous nature, A. R. Krause. Des. 76,310; Sept. 11.
 Chandelier or similar article, J. A. Boehringer. Des. 74,821; Apr. 3.
 Chandelier or similar article, J. A. Boehringer. Des. 74,915; Apr. 17.
 Chandelier or similar article, J. A. Boehringer. Des. 74,917; Apr. 17.
 Chandelier or similar article, J. A. Boehringer. Des. 74,919; Apr. 17.
 Chandelier or similar article, J. A. Boehringer. Des. 75,896; July 31.
 Chandelier plate, F. Yokel. Des. 75,945; July 31.
 Chandeliers, Arm for electric, A. P. Seidell. Des. 75,592; June 19.
 Change-making machine, M. Lippe. 1,678,366; June 12.
 Change-speed device employing epicycloidal gearing, Progressive and automatic, R. F. M. Fontaine. 1,658,673; Feb. 7.
 Changeable sign for vehicles, B. V. Evans and L. S. Woodhull. 1,671,574; May 29.
 Channel construction for the sides and tops of tanks of vessels, W. G. Bartenfeld. 1,679,926; Aug. 7.
 Channel-forming machine, C. A. Frahm and J. H. Schlafly. 1,678,787; June 12.
 Channel induction furnace Submerged, E. F. Northrup. 1,684,504; Sept. 18.
 Channeler, H. H. Mercer. 1,661,630; Mar. 6.
 Channeler, H. H. Mercer. 1,662,790; Mar. 13.
 Channeler mechanism, H. H. Mercer. 1,679,136; July 31.
 Chaplet-forming machine, W. A. Smith. 1,672,861; June 5.
 Characters and sounds, Mechanism for selectively reproducing, A. L. Runyan. 1,655,510; Jan. 10.
 Charge-forming device, A. B. Knight. 1,667,074; Apr. 24.
 Charge-forming device, R. K. Lee. 1,662,040; Mar. 6.
 Charge-forming device, I. T. Swartz. 1,679,279; July 31.
 Charging apparatus for pulp digesters, E. Olsson. 1,694,139; Dec. 4.
 Charging device, Pneumatic, C. C. Hansen. 1,689,778; Oct. 30.
 Chart, Accounting-machine demonstration, J. S. Hexter. 1,677,087; July 10.
 Chart, Accounting-machine demonstration, J. A. B. Smith. 1,677,569; July 17.
 Chart, Accounting-machine demonstration, J. A. B. Smith. 1,695,700; Dec. 18.
 Chart, Analysis, H. E. Ingram. 1,683,827; Sept. 11.
 Chart and viewing the same, Indicating, C. Berger. 1,684,212; Sept. 11.
 Chart, Educational, E. F. Felty. 1,676,328; July 10.
 Chart for counting and computing scales, W. R. Mitten-dorff. 1,672,950; June 12.
 Chart, Mileage route, L. A. T. Soldane. 1,682,151; Aug. 28.
 Chart, Optical test, H. Clement and E. L. Ryer. 1,692,929; Nov. 27.
 Chart, Printing, W. W. Gyllenberg. 1,695,423; Dec. 18.
 Chart-recording meter, F. Maurer. 1,663,807; Mar. 27.
 Chart, Sales, J. F. Brown. 1,692,886; Nov. 27.
 Charts for testing color vision, Producing, E. Schaafl. 1,658,356; Feb. 7.
 Chassis, T. R. Arden. 1,685,592; Sept. 25.
 Chassis, Aircraft, E. B. Carns. 1,685,122; Sept. 25.
 Chassis for automobiles, Extensible, E. L. Westmoreland. 1,678,411; July 24.
 Chassis for motor vehicles, E. R. Whitney. 1,692,603; Nov. 20.
 Chassis-frame construction, J. H. Clark. 1,659,018; Feb. 14.
 Chassis-lubrication-control device, G. A. Jamerson. 1,661,663; Mar. 6.
 Chassis, Motor-vehicle, J. Shaw. 1,665,610; Apr. 10.
 Chassis of motor vehicles, Lowering the height of the, E. D. Morton and J. Brett. 1,693,490; Nov. 27.
 Chassis with independent suspension for automobile vehicles and the like, Balanced, I. Van Malderghem. 1,667,754; May 1.
 Check, A. B. Robinson. 1,661,961; Mar. 6.
 Check book, F. T. Wood. 1,670,396; May 22.
 Check-book holder and bill fold, Combined, A. L. Bohl. 1,679,807; Aug. 7.
 Check damper, A. M. Donovan. 1,655,858; Jan. 10.
 Check device, Drain-ditch, H. B. Helsing. 1,696,481; Dec. 25.
 Check-dispensing machine, G. S. Rider. 1,654,834; Jan. 3.
 Check-dispensing machine, G. S. Rider. 1,657,901; Jan. 31.
 Check holder, J. W. Henderson and G. H. Wilson. 1,666,820; Apr. 17.
 Check holder and cutter, C. T. Raschick. 1,662,166; Mar. 13.
 Check issuing and adding machine, E. Kassner. 1,692,411; Nov. 20.
 Check-notching device, C. T. Raschick. 1,689,252; Oct. 30.
 Check protector, G. W. Beebe. 1,680,443; Aug. 14.
 Check protector, Characterized, H. R. Fields. 1,682,779; Sept. 4.
 Check, Rebound, R. H. Hassler. 1,657,503; Jan. 31.
 Check, Rebound, N. F. McNaught. 1,694,549; Dec. 11.
 Check, Restaurant, C. T. Raschick. 1,664,573; Apr. 3.
 Check-sorting rack, W. Van Korlaar. 1,664,650; Apr. 3.
 Check system, Sales, C. T. Raschick. 1,675,908; July 3.
 Check writer, W. B. Payne. 1,661,384; Mar. 6.
 Checkerwork and brick therefor, A. E. Peterson. 1,687,786; Oct. 16.
 Checkerwork for regenerative chambers, F. R. McGee. 1,689,041; Oct. 23.
 Checking apparatus, Schedule, H. B. Long. 1,690,738; Nov. 6.
 Checking device, Laundry, J. H. Lynch. 1,675,718; July 3.
 Checking device, Memory, R. B. Kingman. 1,659,691; Feb. 21.
 Checking device, Recoiling, D. D. Myers. 1,663,022; Mar. 20.
 Check plate and draft-key anchor, Combined, W. Wright. 1,687,533; Oct. 16.
 Cheese cutter, J. L. Barton. 1,675,745; July 3.
 Cheese-cutting device, B. J. Rabin. 1,657,483; Jan. 31.
 Cheese-grating machine, G. Maestro. 1,661,076; Feb. 28.
 Cheese, Manufacture of soft, A. C. Dahlberg. 1,661,601; Mar. 6.
 Cheese, Remaking, S. K. Robinson. 1,678,167; July 24.
 Chemical fish, P. T. Asaro. 1,659,129; Feb. 14.
 Chemical material and its production, Impervious, W. F. Bleecker. 1,686,197; Oct. 2.
 Chemical material, Producing an impervious, W. F. Bleecker. 1,660,371; Feb. 28.
 Chemical product and making the same, C. Ellis. 1,695,636; Dec. 18.
 Chemical reactions between gases, or vapors, or gases and vapors, Apparatus for carrying out, H. Harter. 1,678,778; July 31.
 Chemical reactions, Performing, C. W. Mortimer. 1,691,903; Nov. 13.
 Chemical rectifier, Removable, J. K. Elderkin. 1,689,819; Oct. 30.
 Chemical substances, Stabilizing, H. G. Grimm. 1,664,678; Apr. 3.
 Chemicals and moisture from lumber, wood, and other substances, Process and apparatus for removing, H. C. Babel. 1,687,822; Oct. 16.
 Chenille-making machine, E. Kriegl. 1,687,942; Oct. 16.
 Chest: See—
 Tool chest. Tour chest.
 Chest, Grave-decoration, G. S. Gray. Des. 75,684; July 3.
 Chest having removable liner and trays, R. A. Lindsey. 1,661,185; Mar. 6.
 Chest lock, A. Arcadu. 1,687,485; Oct. 16.
 Chest or similar article, C. C. Snell. Des. 76,561; Oct. 9.
 Chest box, W. H. Carver and W. H. Yutz. 1,689,069; Oct. 23.
 Chignons to bobbed hair, Device for securing, R. Eckert. 1,671,415; May 29.
 Chill mold, F. C. T. Daniels and W. H. McCausland. 1,658,835; Feb. 14.
 Chimney, W. E. Gilson. 1,676,544; July 10.
 Chimney cap, R. P. Orr. 1,664,315; Mar. 27.
 Chimney cleaner, C. R. Bickford. 1,683,379; Sept. 4.
 Chimney cleaner, J. Moen. 1,663,604; Mar. 27.
 Chimney flashing, J. A. Lock. 1,680,298; Aug. 14.
 Chip-finishing machine, A. Smith. 1,682,431; Aug. 28.
 Chisel and piston retainer, E. H. Shaff. 1,680,644; Aug. 14.
 Chloride from sludge, Recovering aluminum, P. Danckwardt. 1,665,406; Apr. 10.
 Chloride, Making anhydrous aluminum, N. C. Christensen. 1,673,495; June 12.
 Chloride, Producing phosphorus, C. G. Miner. 1,688,503; Oct. 23.
 Chlorides of aluminum and potassium present in mixed solutions obtained in the treatment of leucite, Separation of, G. A. Blanc. 1,656,769; Jan. 17.
 Chlorinated amines from chlorinated hydroaromatic ketimino compounds and making same, T. Voltz. 1,667,336; Apr. 24.
 Chlorination, S. Brown. 1,672,878; June 12.
 Chlorine, Apparatus for the therapeutic application of, C. F. Wallace and J. C. Baker. 1,678,625; July 24.
 Chloroform-soluble cellulose acetate, Making, H. L. Gray and C. J. Staud. 1,683,347; Sept. 4.
 Check block, Composition, E. S. Evans. 1,694,316; Dec. 4.
 Chocolate, W. B. McLaughlin. 1,654,548; Jan. 3.
 Chocolate and like plastic materials, Apparatus for milling, T. Bragard. 1,656,164; Jan. 17.
 Chocolate, cocoa, and the like, Reducing or refining apparatus for, F. G. Fryer. 1,662,572; Mar. 13.
 Chocolate machine, P. G. Hollstein and E. V. Raue. 1,658,379; Feb. 7.
 Chocolate milk composition, W. A. Heyman. 1,689,029; Oct. 23.

- Chocolate milk composition, Producing a. W. A. Heyman. 1,689,028; Oct. 23.
- Choke piece, Detachable. R. W. Miller. 1,679,048; July 31.
- Choker hook. O. Mickelson. 1,690,745; Nov. 6.
- Choker hook. G. A. Yeaton. 1,669,152; May 8.
- Chopper. *See* Meat chopper.
- Cotton chopper. Meat chopper.
- Chopper and slicer. W. J. Donnelly. 1,658,710; Feb. 7.
- Chopping machine, Cotton. W. W. Watkins. 1,678,542; July 24.
- Christmas tree. B. A. Landers. 1,689,530; Oct. 30.
- Christmas tree, Artificial. C. H. Glover. 1,694,974; Dec. 11.
- Christmas tree, Artificial. M. Harris. 1,656,148; Jan. 10.
- Christmas-tree stand. H. G. Rice. 1,684,970; Sept. 18.
- Christmas-tree support. A. Kirshner. 1,662,579; Mar. 13.
- Chromium compound of pyrazolone-azo-dyestuff and making same. F. Straub, G. de Montmolin, and M. Schmid. 1,676,581; July 10.
- Chuck. A. L. Currier. 1,686,601; Oct. 9.
- Chuck. A. M. Drake. 1,691,649; Nov. 13.
- Chuck. T. J. Fegley and G. O. Leopold. 1,679,299; July 31.
- Chuck. J. E. Graves. 1,657,571; Jan. 31.
- Chuck. H. E. Kempton, K. F. Gallimore, and R. M. Woytych. 1,655,906; Jan. 10.
- Chuck. H. E. Kempton, K. F. Gallimore, and R. M. Woytych. 1,685,235; Sept. 25.
- Chuck. H. E. Kempton, K. F. Gallimore, and R. M. Woytych. 1,691,657; Nov. 13.
- Chuck. R. E. Naylor. 1,664,085; Mar. 27.
- Chuck. F. Schneider and E. L. Connell. 1,679,175; July 31.
- Chuck. A. Steuer. 1,656,450; Jan. 17.
- Chuck and roller feed, Automatic. E. J. Hornberger. 1,696,037; Dec. 18.
- Chuck and wire feed, Automatic. E. J. Hornberger. 1,663,599; Mar. 27.
- Chuck, Angular magnetic. H. E. Tracy. 1,673,719; June 12.
- Chuck, Automatic. F. Beck. 1,681,166; Aug. 21.
- Chuck, Drill. G. J. Palaith. 1,680,631; Aug. 14.
- Chuck, Electromagnetic. J. Bing. 1,689,616; Oct. 30.
- Chuck for crank handles. C. C. Hansen. 1,694,380; Dec. 11.
- Chuck for extension bits. T. J. Fegley and G. O. Leopold. 1,661,935; Mar. 6.
- Chuck for headstocks, Work-holding. F. Frick. 1,662,571; Mar. 13.
- Chuck for holding twist drills and similar devices. C. Rabut. 1,674,223; June 19.
- Chuck for lathes, Air-operated. F. B. Cockburn. 1,670,138; May 15.
- Chuck, Hydraulic. E. Finsen. 1,656,624; Jan. 17.
- Chuck jaws. G. F. Hopkins. 1,696,765; Dec. 25.
- Chuck mechanism. E. G. Gartin. 1,661,656; Mar. 6.
- Chuck-operating mechanism. J. E. Baines and J. P. Bosle. 1,676,814; July 10.
- Chuck-rotating mechanism. A. H. Katterjohn. 1,689,392; Oct. 30.
- Chucking machine. A. J. Lewis. 1,689,440; Oct. 30.
- Chucking machine, Automatic single-spindle. J. J. N. Van Hamersveld. 1,691,595; Nov. 13.
- Chucking machine, Inverted unitary. A. L. De Leeuw. 1,671,354; May 29.
- Churn. Z. L. Harbin. 1,655,367; Jan. 3.
- Churn. G. E. Wheeler. 1,695,404; Dec. 18.
- Churn and strainer, Combined coffee. C. Y. Hake. 1,668,454; May 1.
- Churns and butterworkers, Gudgeon structure for. L. F. Heitz. 1,667,004; Apr. 24.
- Churns, Automatic stop for. P. M. Anderson and A. L. Halverson. 1,659,070; Feb. 14.
- Churning cream into butter fat and apparatus therefor. C. E. North. 1,678,478; July 24.
- Chute. J. A. Brown. 1,672,199; June 5.
- Chute for grain tanks, Unloading. V. T. Slifer. 1,688,600; Oct. 23.
- Chute, Gravity. C. G. Pfeiffer. 1,694,019; Dec. 4.
- Chute, Leading. F. De Roos. 1,665,493; Apr. 10.
- Chute, Playground. R. W. Thornton. 1,680,753; Aug. 14.
- Chute, Rotary discharge. G. E. Webb. 1,665,518; Apr. 10.
- Chute, Sand-blast-reclaiming. F. J. Hull. 1,675,707; July 3.
- Cider press. F. M. Harbeck. 1,659,733; Feb. 21.
- Cider press. F. A. Eberlein and F. W. Heyd. 1,671,182; May 29.
- Cigar and cigarette holder. J. Becker. 1,672,194; June 5.
- Cigar and cigarette holder. G. Hilshansky. 1,661,895; Mar. 6.
- Cigar-ash retainer. A. E. Falkenbury. 1,661,035; Feb. 28.
- Cigar box. A. J. Jones. 1,658,487; Feb. 7.
- Cigar-box moistener and cover. P. H. Sukert. 1,660,240; Feb. 21.
- Cigar-box moistener and cover holder, Combination. P. Sukert. 1,676,118; July 3.
- Cigar-bunch machine. R. R. Kitchel, J. L. Lippard, and J. E. Mullan. 1,680,996; Aug. 14.
- Cigar-bunch-making machine. J. L. Poldy. 1,663,174; Mar. 20.
- Cigar crimper. C. G. Singley. 1,655,572; Jan. 10.
- Cigar cutter. W. H. Legate. 1,662,009; Mar. 6.
- Cigar cutter, ash tray, and lighter, Combined. K. Sjoestrom. Des. 77,190; Dec. 11.
- Cigar fillers, Device for manual producing of. P. Weber. 1,664,143; Mar. 27.
- Cigar holder and ash receiver. J. Stern. 1,665,612; Apr. 10.
- Cigar lighter. A. Bates. Des. 76,596; Oct. 16.
- Cigar lighter. M. T. Blier. 1,658,474; Feb. 7.
- Cigar lighter. A. Brown. Des. 75,403; June 5.
- Cigar lighter, Pocket. W. J. Butler. Des. 74,479; Feb. 21.
- Cigar machine. C. A. Neubauer. 1,658,459; Feb. 7.
- Cigar machines, Filler feed for scrap-bunch. S. Clausen and C. V. Lindblad. 1,689,423; Oct. 30.
- Cigar mouthpiece. A. Engstrom. 1,672,934; June 12.
- Cigar or cigarette holder, Sanitary safety. A. V. Santarsiero. 1,657,485; Jan. 31.
- Cigar-shaped pipe. S. De Benedictis. 1,674,617; June 19.
- Cigarette. H. Alexander. 1,666,062; Apr. 17.
- Cigarette and cigar lighter. H. P. Staats and H. S. Newcomer. 1,686,579; Oct. 9.
- Cigarette and match box, Combination. R. A. Kratochwill. 1,677,036; July 10.
- Cigarette and match-box holder. H. J. Armstrong. Des. 75,400; June 5.
- Cigarette and match dispenser. R. D. Mills, jr. 1,677,041; July 10.
- Cigarette and vanity case, Combined. J. J. Klein. 1,692,041; Nov. 20.
- Cigarette box. D. Viola. 1,680,826; Aug. 14.
- Cigarette box and match container, Combined. A. R. Graham. 1,683,664; Sept. 11.
- Cigarette-butt extinguisher. T. K. Wood. 1,659,756; Feb. 21.
- Cigarette case. J. F. Bahr. 1,684,381; Sept. 18.
- Cigarette case. F. W. Carpenter. 1,692,545; Nov. 20.
- Cigarette case. A. Cowen. Des. 74,480-1; Feb. 21.
- Cigarette case. F. F. Danville. 1,680,324; Aug. 14.
- Cigarette case. P. A. Gardner, jr. 1,688,699; Oct. 23.
- Cigarette case. M. Gold, A. F. Most, and J. Fogel. 1,662,028; Mar. 6.
- Cigarette case. E. Gregory. 1,680,782; Aug. 14.
- Cigarette case. I. J. Grignon. 1,664,743; Apr. 3.
- Cigarette case. E. B. Hough. 1,666,902; Apr. 24.
- Cigarette case. F. P. Hughes. 1,672,032; June 5.
- Cigarette case. R. L. Laird. 1,693,086; Nov. 27.
- Cigarette case. J. Parsons. 1,665,752; Apr. 10.
- Cigarette case. F. E. Wakefield. 1,664,498; Apr. 3.
- Cigarette case. G. W. Whitney. 1,666,520; Apr. 17.
- Cigarette-case attachment. R. S. Wehler. 1,664,441; Apr. 3.
- Cigarette case for bathers. T. R. McDonald. 1,671,199; May 29.
- Cigarette clip. J. G. Habbart. 1,692,652; Nov. 20.
- Cigarette-delivery box. C. C. Roberts. 1,678,355; July 24.
- Cigarette-fire snuffer. H. W. Darney. 1,658,885; Feb. 14.
- Cigarette holder. L. A. Dunn. 1,657,919; Jan. 31.
- Cigarette holder. F. H. Flynn. 1,671,185; May 29.
- Cigarette holder and ejector. A. R. Baumann. 1,658,627; Feb. 7.
- Cigarette-holder case. E. E. Brosius. 1,667,065; Apr. 24.
- Cigarette holder or similar article. G. H. Berry. Des. 75,471; June 12.
- Cigarette-machine cut-off. T. C. Sheehan. 1,664,050; Mar. 27.
- Cigarette machinery. W. E. Molins. 1,677,680; July 17.
- Cigarette machines, Cut-off mechanism for. J. M. Hornaday. 1,675,351; July 3.
- Cigarette machines, Driving the shafts of. C. F. Röber. 1,660,527; Feb. 28.
- Cigarette-making appliance. O. G. Manderson. 1,681,738; Aug. 21.
- Cigarette-making machine. I. A. Semenov. 1,668,610; May 8.
- Cigarette-package case. J. P. De Muth. 1,657,155; Jan. 24.
- Cigarette-packing machine. M. Bäuml. 1,666,986; Apr. 24.
- Cigarette-packing machine, Automatic. W. E. Molins. 1,673,263; June 12.
- Cigarette-packing machines, Throw-out mechanism for. E. Koerner. 1,680,023; Aug. 7.
- Cigarette-rolling device. B. K. Fisher. 1,682,219; Aug. 28.
- Cigarette-wrapping machine and method. W. E. Molins. 1,673,524; June 12.
- Cigarettes and articles of similar shape, Apparatus for feeding. W. E. Molins. 1,688,982; Oct. 23.
- Cigarettes and like articles, Feeding apparatus for. W. E. Molins. 1,668,693; May 8.
- Cinchophen, Preparing. R. Pasternack. 1,690,128; Nov. 6.
- Cinder-notch stopper. E. E. Brosius. 1,661,745; Mar. 6.
- Cinder-notch stopper. J. Dewar. 1,676,530; July 10.
- Cinematograph and optical projection apparatus and spool case and film for use therewith. J. E. Thornton. 1,655,298; Jan. 3.
- Cinematograph and other films, Construction and manufacture of multilayer. J. E. Thornton. 1,670,672; May 22.
- Cinematograph apparatus with continuously-fed film. V. Continsouza and M. Combes. 1,690,770; Nov. 6.
- Cinematograph projection apparatus. J. E. Thornton. 1,655,299; Jan. 3.

- Cinematograph spool case. J. E. Thornton. 1,691,414; Nov. 13.
- Cinematographic apparatus. J. A. Ball, E. A. Gallison, and E. A. Weaver. 1,661,157; Mar. 6.
- Cinematographic apparatus. E. Oehmichen. 1,692,092; Nov. 20.
- Cinematographic apparatus. L. T. Troland. 1,677,310; July 17.
- Cinematographic apparatus. Film-moving mechanism for. J. S. Pocovi. 1,660,355; Feb. 28.
- Cinematographic projection apparatus with optical compensation. L. Bertele. 1,687,193; Oct. 9.
- Cinematographic view-taking apparatus. Film-driving mechanism for. A. L. V. C. Debrie. 1,663,625; Mar. 27.
- Ciphering machine. A. Scherbius. 1,657,411; Jan. 24.
- Circuit alarm. M. H. Shoenberg and L. Schon. 1,687,902; Oct. 16.
- Circuit, Amplifier. J. W. Foley. 1,655,537; Jan. 10.
- Circuit, Apparatus for effecting energization control of an electric. E. R. Stoeckel. 1,661,740; Mar. 6.
- Circuit arrangement for high-frequency systems with frequency amplification. M. Osmos. 1,682,768; Sept. 4.
- Circuit, Battery supply. F. W. McKown. 1,693,653; Dec. 4.
- Circuit breaker. C. Aalborg. 1,683,589; Sept. 11.
- Circuit breaker. C. E. Anderson. 1,675,322; July 3.
- Circuit breaker. C. E. Anderson and W. H. Keefe, jr. 1,656,851; Jan. 17.
- Circuit breaker. A. H. Bakken. 1,685,934; Oct. 2.
- Circuit breaker. A. H. Bakken. 1,689,851; Oct. 30.
- Circuit breaker. L. L. Brown. 1,670,649; May 22.
- Circuit breaker. R. F. Dowdy and J. W. Brewbaker. 1,664,065; Mar. 27.
- Circuit breaker. M. S. Hoban. 1,676,143; July 3.
- Circuit breaker. E. D. Moore. 1,670,121; May 15.
- Circuit breaker. F. W. Roller. 1,665,113; Apr. 3.
- Circuit breaker. F. W. Roller. 1,665,223; Apr. 10.
- Circuit breaker. J. Slepian. 1,669,493; May 15.
- Circuit breaker. H. F. Smith. 1,656,837; Jan. 17.
- Circuit breaker. W. G. Whitlow. 1,681,756; Aug. 21.
- Circuit breaker and closer. F. A. Pfeifer. 1,676,155; July 3.
- Circuit-breaker apparatus. O. S. Jennings. 1,688,584; Oct. 23.
- Circuit breaker, Automatic. A. Roth. 1,657,320; Jan. 24.
- Circuit breaker, Automatically-reclosing. E. C. Ranev. 1,695,506; Dec. 18.
- Circuit-breaker control. W. M. Scott. 1,668,735; May 8.
- Circuit breaker, Electric-. F. W. Alder and S. W. Baruch. 1,658,912; Feb. 14.
- Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,676,313-16; July 10.
- Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,676,974; July 10.
- Circuit-breaker system, Automatic reclosing-. A. E. Anderson. 1,689,515; Oct. 30.
- Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,693,328; Nov. 27.
- Circuit-breaker system, Automatic reclosing. H. W. Brown. 1,680,129; Aug. 7.
- Circuit closer. J. W. Denniston. 1,666,122; Apr. 17.
- Circuit closer. J. T. Harrigan. 1,696,713; Dec. 25.
- Circuit closer. P. R. Nelson. 1,662,979; Mar. 20.
- Circuit closer. G. H. Wiley. 1,672,107; June 5.
- Circuit closer, Brake-controlled. G. J. Warndorf. 1,671,799; May 29.
- Circuit closer, Electric. E. M. Kyle and E. F. Hurley. 1,667,037; Apr. 24.
- Circuit closer, Electrical. F. Fischer and A. F. Van Pelt. 1,688,697; Oct. 23.
- Circuit closer for collision-indicating devices. L. Lifschutz. 1,682,134; Aug. 28.
- Circuit closer for direction signals. E. V. Laugeson. 1,679,843; Aug. 7.
- Circuit closer for fluid-level-indicating devices. M. S. Elton and G. E. Barnhart. 1,657,794; Jan. 31.
- Circuit closer, Heat or pressure responsive. L. E. Beck. 1,685,211; Sept. 25.
- Circuit closer, Speedometer-actuated. J. C. Sosnowski. 1,696,458; Dec. 25.
- Circuit closer, Thermostatically-controlled. H. D. Montgomery. 1,685,136; Sept. 25.
- Circuit-closing attachment for pedals. J. L. Drohen. 1,674,592; June 19.
- Circuit-closing device. C. E. Morris. 1,678,228; July 24.
- Circuit-closing means, Electric-. H. L. Merrick. 1,655,430; Jan. 10.
- Circuit connector. H. A. Douglas. 1,678,138; July 24.
- Circuit connector. H. Z. Douglas. 1,657,004; Jan. 24.
- Circuit-continuing device. H. A. Douglas. 1,664,403; Apr. 3.
- Circuit-continuing device. H. A. Douglass. 1,679,335; July 31.
- Circuit control. G. D. Doty. 1,668,841; May 8.
- Circuit-control apparatus. E. F. W. Alexanderson and A. H. Mittag. 1,691,423; Nov. 13.
- Circuit-control apparatus. I. Langmuir. 1,691,395; Nov. 13.
- Circuit-control mechanism for internal-combustion engines. L. O. French. 1,679,159; July 31.
- Circuit control, Pressure-actuated. I. E. McCabe. 1,662,122; Mar. 13.
- Circuit control, Pressure-actuated electric-. I. E. McCabe. 1,690,689; Nov. 6.
- Circuit control system, Electric. J. R. Price. 1,684,071; Sept. 11.
- Circuit controller. A. W. Burke. 1,681,722; Aug. 21.
- Circuit controller. W. S. Garland. 1,685,537; Sept. 25.
- Circuit controller. W. C. Stevens. 1,660,399; Feb. 28.
- Circuit controller. H. N. Wade. 1,655,928; Jan. 10.
- Circuit controller. F. D. Zimmerman and E. M. Pyle. 1,664,534; Apr. 3.
- Circuit controller, Automatic. A. R. Stevenson, jr. 1,684,249; Sept. 11.
- Circuit controller, Electric-. H. E. Billerbeck. 1,682,549; Aug. 28.
- Circuit controller, Periodic. C. P. Nachod. 1,688,826; Oct. 23.
- Circuit controller, Pressure-governed. R. E. White. 1,667,914; May 1.
- Circuit controller, Protective. E. W. Seeger. 1,688,833; Oct. 23.
- Circuit controller, Time-controlled. R. R. Gonsett. 1,678,217; July 24.
- Circuit controllers, Operating mechanism for. P. Brown. 1,690,473; Nov. 6.
- Circuit-controlling device. A. R. Lewellen. 1,675,614; July 3.
- Circuit-controlling device. H. S. Micks. 1,664,697; Apr. 3.
- Circuit-controlling device. C. E. Patino. 1,688,878; Oct. 23.
- Circuit-controlling device. O. C. Traver. 1,658,695; Feb. 7.
- Circuit-controlling device and system employing the same. C. I. Hall. 1,694,977; Dec. 11.
- Circuit-controlling devices, Exterior operating mechanism for inclosed. W. C. Stevens. 1,660,400; Feb. 28.
- Circuit-controlling means. T. R. Harrison. 1,695,488; Dec. 18.
- Circuit-controlling means. A. G. Shaver. 1,682,429; Aug. 28.
- Circuit-controlling means, Electric. P. F. Sonnek. 1,682,098; Aug. 28.
- Circuit-controlling means for ignition circuits of motor vehicles. F. A. Brownell. 1,692,155; Nov. 20.
- Circuit-controlling system, Selective-. O. C. Traver. 1,693,325; Nov. 27.
- Circuit cooling for electrical machines. Closed-. A. Baumann and W. van Rijswijk. 1,683,591; Sept. 11.
- Circuit, Cord. R. F. Gould. 1,693,029; Nov. 27.
- Circuit, Grid-coupled cell. C. F. Jenkins. 1,667,383; Apr. 24.
- Circuit for amplifying direct or alternating currents by vacuum tubes. G. Thilo. 1,690,881; Nov. 6.
- Circuit for electron tubes, Control. A. Crossley. 1,696,626; Dec. 25.
- Circuit, Grid-leak cell. C. F. Jenkins. 1,667,384; Apr. 24.
- Circuit interrupter. C. Aalborg. 1,669,546; May 15.
- Circuit interrupter. C. Aalborg. 1,687,642; Oct. 16.
- Circuit interrupter. J. T. Fitzsimmons. 1,671,023; May 22.
- Circuit interrupter. C. Le G. Fortescue. 1,671,471; May 29.
- Circuit interrupter. C. H. Hodgkins. 1,660,874; Feb. 28.
- Circuit interrupter. J. W. Legg. 1,689,836; Oct. 30.
- Circuit interrupter. W. O. Lum. 1,654,983; Jan. 3.
- Circuit interrupter. W. E. McCoy. 1,687,629; Oct. 16.
- Circuit interrupter. W. L. Newmeyer. 1,665,858; Apr. 10.
- Circuit interrupter. F. Roberson. 1,687,515; Oct. 16.
- Circuit interrupter and socket. M. H. Shoenberg and L. Schon. 1,683,992; Sept. 11.
- Circuit interrupter, Automatic reclosing. C. A. Butcher. 1,677,863; July 17.
- Circuit interrupter, Automatic reclosing. L. R. Golladay. 1,669,516; May 15.
- Circuit interrupter, High-speed. C. L. Fortescue. 1,685,949; Oct. 2.
- Circuit interrupter, Motor-operated. W. M. Austin. 1,680,405; Aug. 14.
- Circuit-interrupter system. L. J. Hibbard. 1,685,950; Oct. 2.
- Circuit making and breaking device. T. Zweigbergk. 1,666,675; Apr. 17.
- Circuit output, Stabilization of. F. E. Fairchild. 1,686,552; Oct. 9.
- Circuit, Relay. W. A. Phelps. 1,668,656; May 8.
- Circuit, Resistor-cell. C. F. Jenkins. 1,693,509; Nov. 27.
- Circuit, Substation. J. W. Foley. 1,662,966; Mar. 20.
- Circuit, Suppression of echoes and singing in four-wire. H. C. Silent. 1,690,182; Nov. 6.
- Circuit system, Track. A. G. Williamson. 1,683,222; Sept. 4.
- Circuit to centralized operator's position, Trunking. F. E. Lamberty. 1,690,234; Nov. 6.
- Circuit tester. A. M. Roberts. 1,679,786; Aug. 7.
- Circuit-testing device. F. R. Weiss. 1,659,646; Feb. 21.
- Circuit tracer, Electric-. H. R. Bartlett. 1,680,841; Aug. 14.
- Circuit treating apparatus, Preventing losses in closed-. J. M. Coahran. 1,680,452; Aug. 14.
- Circuit, Vacuum-tube. D. C. Prince. 1,693,316; Nov. 27.
- Circuit, Wireless receiving. M. M. Phillips. 1,674,448; June 19.
- Circuits, Amplifier. R. C. Mathes. 1,655,557; Jan. 10.
- Circuits, Amplifier. R. C. Mathes. 1,658,346; Feb. 7.

- Circuits, Antiside-tone substation. H. C. Pye. 1,687,695; Oct. 16.
- Circuits, Automatic reversing system for multiplex. W. A. Dudley. 1,677,859; July 17.
- Circuits, Control for electric. G. Muffy. 1,691,666; Nov. 13.
- Circuits, Control of electric. H. Bany and D. C. Hoffmann. 1,677,702; July 17.
- Circuits, Controlling or tripping apparatus for alternating-current electric. H. W. Clothier and W. A. A. Burgess. 1,667,655; Apr. 24.
- Circuits, Damping oscillating or alternating current. N. H. Clough. 1,681,517; Aug. 21.
- Circuits, Device for breaking the connections of electric. R. Rüdenberg, R. G. Berthold, and K. Donat. 1,681,196; Aug. 21.
- Circuits, Director. C. Gillings. 1,675,544; July 3.
- Circuits for selector switches, Trunk-testing. E. E. Hinrichsen. 1,687,669; Oct. 16.
- Circuits for space-current devices. A. Rivet. 1,672,733; June 5.
- Circuits for synchronous motors. E. R. Morton. 1,696,248; Dec. 25.
- Circuits, High-frequency. G. F. Du Prel. 1,675,882; July 3.
- Circuits, Howler. T. F. Crocker. 1,671,146; May 29.
- Circuits, Method and apparatus for timing the use of electrical. J. L. Boynton. 1,664,873; Apr. 3.
- Circuits, Method of and apparatus for control of electrical conditions of. R. B. Hunter and C. T. Evans. 1,682,566; Aug. 28.
- Circuits, Nonsinging reamplifying. H. A. Affel. 1,657,451; Jan. 31.
- Circuits, Nonsinging reamplifying. L. Espenschied. 1,657,462; Jan. 31.
- Circuits, Oscillation-control. F. H. Dalet. 1,681,102; Aug. 14.
- Circuits, Phase-failure and phase-reverse protective device for polyphase alternating-current. C. T. Evans. 1,657,303; Jan. 24.
- Circuits, Protective arrangement for alternating-current electric. R. W. Biles. 1,655,307; Jan. 3.
- Circuits, Repeater. B. G. Björnson. 1,666,676; Apr. 17.
- Circuits, Repeater. B. G. Björnson. 1,689,318; Oct. 30.
- Circuits, Repeater. C. S. Demarest. 1,680,367; Aug. 14.
- Circuits, Selective signaling. P. H. Pierce. 1,675,866; July 3.
- Circuits, Substation. K. S. Johnson. 1,696,274; Dec. 25.
- Circuits, Telephone substation. H. C. Pye. 1,689,598; Oct. 30.
- Circuits, Thermionic-tube. 1,678,077; July 24.
- Circuits, Thermostatically-controlled electric. J. F. Seidel. 1,691,448; Nov. 13.
- Circuits, Translating. H. S. Black. 1,675,876; July 3.
- Circuits, Translating. W. A. Morrison. 1,695,051; Dec. 11.
- Circuits, Transmission. H. A. Whitehorn. 1,672,968; June 12.
- Circuits, Trunk. J. F. Dahl. 1,681,520; Aug. 21.
- Circuits, Vacuum-tube. L. M. Hull. 1,677,090; July 10.
- Circuits, Vacuum-tube. S. Loewe. 1,686,018; Oct. 2.
- Circulating air past the heating surfaces of warm-air furnaces for heating buildings which provide fresh air and ventilation. F. H. Wood. 1,695,262; Dec. 11.
- Circulating device for refrigerator cars. Air. F. E. Greene. 1,679,124; July 31.
- Circulating heater. A. J. Johnson and J. J. Moriarty. Des. 76,808; Nov. 6.
- Circulating system. C. G. Sprado. 1,682,437; Aug. 28.
- Circulation and heating system, Automobile. C. B. Waters. 1,684,900; Sept. 18.
- Circulator and air moistener for internal-combustion engines. Water. A. Thomson. 1,683,811; Sept. 11.
- Circulator for furnaces, Air. R. W. Menk. 1,679,047; July 31.
- Circulator for stoves, Air. W. G. Hutchison. 1,679,307; July 31.
- Circumcision clamp. E. E. Reeves. 1,679,497; Aug. 7.
- Clam digger. C. E. Wallace. 1,696,371; Dec. 25.
- Clams, Device for propagation of. R. C. Adams and J. T. Adams. 1,665,996; Apr. 10.
- Clamp: See—
- Anchor clamp.
- Automobile hood clamp.
- Battery terminal clamp.
- Belt clamp.
- Beveling and sealing clamp.
- Block clamp.
- Boltless dead-end clamp.
- Book clamp.
- Box clamp.
- Bumper clamp.
- Button clamp.
- Brake-lining clamp.
- Cable clamp.
- Cam column clamp.
- Casket clamp.
- Center clamp.
- Circumcision clamp.
- Classing clamp.
- Clothes clamp.
- Column clamp.
- Combination clamp.
- Concrete-form clamp.
- Conductor clamp.
- Conduit clamp.
- Conduit-cover clamp.
- Contact clamp.
- Clothesline clamp.
- Connection-box clamp.
- Cord clamp.
- Cross-arm clamp.
- Derrick-leg clamp.
- Electric-fixture clamp.
- Electric-socket clamp.
- Electrical-conductor clamp.
- Electrode clamp.
- Flask clamp.
- Form clamp.
- Frame clamp.
- Ground clamp.
- Hair clamp.
- Hand clamp.
- Head clamp.
- Heel clamp.
- Hose clamp.
- Hose and tube clamp.
- I-beam clamp.
- Joiner's clamp.
- Joint clamp.
- Licuse clamp.
- Light clamp.
- Line clamp.
- Live-line clamp.
- Locking clamp.
- Meat clamp.
- Picker-stick clamp.
- Pipe clamp.
- Pipe-patch clamp.
- Piston clamp.
- Plate clamp.
- Power clamp.
- Press-blanket clamp.
- Quick-adjustment clamp.
- Rail clamp.
- Rail and tie clamp.
- Retort-cover clamp.
- Rim clamp.
- Rod clamp.
- Rope clamp.
- Safety clamp.
- Saw clamp.
- Saw-brazing clamp.
- Shore clamp.
- Sole clamp.
- Spring clamp.
- Strap-type clamp.
- Testing clamp.
- Timber clamp.
- Trolley-wire clamp.
- Welding clamp.
- Wheel clamp.
- Wire clamp.
- Wire-line clamp.
- Wire-stretcher clamp.
- Work clamp.
- Wrecking clamp.
- Clamp. J. Anderson. 1,666,079; Apr. 17.
- Clamp. J. B. Benson. 1,663,433; Mar. 20.
- Clamp. E. J. Billstrom. 1,670,297; May 22.
- Clamp. H. G. Disbrow. 1,682,604; Aug. 28.
- Clamp. C. H. Fernald. 1,665,877; Apr. 10.
- Clamp. G. Frank. 1,685,696; Sept. 25.
- Clamp. J. M. Hargrave. 1,656,325; Jan. 17.
- Clamp. J. H. Helms. 1,672,937; June 12.
- Clamp. A. C. Hopkins. 1,658,988; Feb. 14.
- Clamp. J. E. Hyler. 1,674,330; June 10.
- Clamp. H. S. Jandus and J. R. Morgan. Des. 76,802; Nov. 6.
- Clamp. B. W. Johnson. 1,691,392; Nov. 13.
- Clamp. F. B. Johnston. 1,662,859; Mar. 20.
- Clamp. H. S. Jones. 1,671,725; May 29.
- Clamp. W. S. Jones and A. E. McLean. 1,688,718; Oct. 23.
- Clamp. J. A. Marnell. 1,663,602; Mar. 27.
- Clamp. R. E. McIntosh. 1,692,218; Nov. 20.
- Clamp. R. G. and G. W. Mercer. 1,689,078; Oct. 23.
- Clamp. S. H. Phelps. 1,663,728; Mar. 27.
- Clamp. S. F. Purlant. 1,661,576; Mar. 6.
- Clamp. L. Reinhardt. 1,659,302; Feb. 14.
- Clamp. M. Wetzler. 1,659,342; Feb. 14.
- Clamp and reservoir, Pen. R. F. George. 1,683,030; Sept. 4.
- Clamp and speeds, Nested control for both. D. C. Klausmeyer. 1,664,888; Apr. 3.
- Clamp attachment. E. J. Billstrom. 1,669,443; May 15.
- Clamp connector, Electric. W. N. Ott. 1,678,350; July 24.
- Clamp for anasthetizing machines. J. A. Heidbrink. 1,687,768; Oct. 16.
- Clamp for automobiles, Hood. L. C. Vanderlip. 1,686,886; Oct. 9.
- Clamp for breathing bags, Spring. A. B. Dräger. 1,679,115; July 31.
- Clamp for cloth. F. Leeper and L. B. Girard. 1,660,078; Feb. 21.
- Clamp for concrete-curb forms. W. J. Hickey. 1,674,042; June 19.
- Clamp for connector springs. W. S. Jackson. 1,669,829; May 15.
- Clamp for molding machines. W. J. Fiegel. 1,692,204; Nov. 20.
- Clamp for paper-cutting machines. C. Seybold. 1,657,282; Jan. 24.
- Clamp for sewing machines, Work. J. Kiewicz. 1,660,755; Feb. 28.
- Clamp for slicing machines. C. F. M. van Berkel. 1,673,381; June 12.
- Clamp for slicing machines. W. P. Van Lammeren. 1,692,359; Nov. 20.
- Clamp for storage batteries, Terminal. R. J. Nightingale. 1,691,079; Nov. 13.
- Clamp for trolley conductors. H. Schutte. 1,679,789; Aug. 7.
- Clamp for vehicle bumper. H. S. Jandus and J. R. Morgan. Des. 76,396; Sept. 25.
- Clamp for vehicle bumpers. H. S. Jandus and C. E. Rasmussen. Des. 76,688; Oct. 23.
- Clamp plate. H. S. Jandus. Des. 74,747; Mar. 20.
- Clamp plate. H. S. Jandus. Des. 75,798-800; July 17.
- Clamp plate. H. S. Jandus. Des. 76,397-8; Sept. 25.
- Clamp plate. H. S. Jandus and W. Meyerhuber. Des. 75,255; May 22.
- Clamp plate. H. S. Jandus and W. Meyerhuber. Des. 75,257; May 22.
- Clamp plate. H. S. Jandus and W. Meyerhuber. Des. 76,805-6; Nov. 6.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 75,251-4; May 22.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 75,256; May 22.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 75,368; May 29.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 76,803-4; Nov. 6.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 76,807; Nov. 6.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 77,100; Dec. 4.
- Clamp plate. H. S. Jandus and J. R. Morgan. Des. 77,155-6; Dec. 11.

- Clamp plate. H. S. Jandus and N. Van Husen. Des. 74,927; Apr. 17.
- Clamp plate. H. S. Jandus and N. Van Husen. Des. 76,800-1; Nov. 6.
- Clamp plate for vehicle bumpers. H. S. Jandus. Des. 77,097; Dec. 4.
- Clamp plate for vehicle bumpers. H. S. Jandus and J. R. Morgan. Des. 75,627; June 26.
- Clamp plate for vehicle bumpers. H. S. Jandus and C. E. Rasmussen. Des. 75,249; May 22.
- Clamp plate for vehicle bumpers. H. S. Jandus and N. Van Husen. Des. 77,099; Dec. 4.
- Clamp puller, Terminal-post-. E. C. Lehnen. 1,673,571; June 12.
- Clamp with castings, Column. H. O. McMillan. Re17,170; Dec. 25.
- Clamping band. J. F. Horne. 1,678,622; July 24.
- Clamping and supporting device, Combined. H. Graham. 1,689,622; Oct. 23.
- Clamping ceiling fixture, Automatic. A. K. Sutherland. 1,668,831; May 8.
- Clamping clip for braces, sock suspenders and such like, Gradual-. P. Allenic. 1,692,917; Nov. 27.
- Clamping device. W. K. Andrew. 1,685,899; Oct. 2.
- Clamping device. J. A. Armstrong and G. O. Benson. 1,661,868; Mar. 6.
- Clamping device. O. Edelmann. 1,673,813; June 19.
- Clamping device. G. B. Gordon. 1,670,347; May 22.
- Clamping device. I. Hochstein. 1,673,454; June 12.
- Clamping device. J. F. Loucks. 1,674,210-12; June 19.
- Clamping device. J. F. Loucks. 1,683,364; Sept. 4.
- Clamping device. J. C. Nichols. 1,659,921; Feb. 21.
- Clamping device. W. S. Warnick. 1,680,030; Aug. 7.
- Clamping device for oil-well pipes. M. B. Davis. 1,669,401; May 8.
- Clamping device for slicing machines. E. R. Fox. 1,692,338; Nov. 20.
- Clamping device for valve-seat reamer pilots. R. E. Walton. 1,682,314; Aug. 28.
- Clamping device, Mop-handle-. F. M. Robinson, jr. 1,681,011; Aug. 14.
- Clamping device, Piston-ring-. H. S. Graves. 1,675,603; July 3.
- Clamping device, Screen-. W. J. Dufficy. 1,685,705; Sept. 25.
- Clamping device, Shoe-tie-. J. Mascali and P. Roma. 1,668,415; May 1.
- Clamping lock. J. Ritter, jr. 1,664,432; Apr. 3.
- Clamping lugs to rims, Making and attaching. J. H. Wagenhorst. 1,668,618; May 8.
- Clamping means for bedsteads, Cover-. W. E. Chapman. 1,693,022; Nov. 27.
- Clamping mechanism. F. C. Becker. 1,659,074; Feb. 14.
- Clamping mechanism, Door-. F. J. Couch. 1,682,116; Aug. 28.
- Clamping mechanism for machine tools. C. Bouillon. 1,666,484; Apr. 17.
- Clamping mechanism for machine tools, Cross-rail-. A. Trosch. 1,666,431; Apr. 17.
- Clamping mechanism, Head-to-arm. D. C. Klausmeyer. 1,660,386; Feb. 28.
- Clamping mechanism, Tailstock-. C. F. Randolph. 1,664,757; Apr. 3.
- Clamping rings, Manufacture of commutator. J. J. Carter. 1,673,800; June 19.
- Clamping strap for milling and like machines, Adjustable. B. R. Schneider. 1,662,173; Mar. 13.
- Clamps, Attachments for saw-filing. J. Kautz. 1,681,483; Aug. 21.
- Clamps, Making. W. R. Barney. 1,677,264; July 17.
- Clarifier. P. S. Pine. 1,683,483; Sept. 4.
- Clarifier and purifier, Washing-liquid. F. E. Bowers. 1,687,235; Oct. 9.
- Clarifier and thickener. H. G. Schwarz. 1,682,256; Aug. 28.
- Clarifier, Gasoline. A. C. Beck and A. S. Morningstar. 1,677,324; July 17.
- Clarifier, Sound. E. H. Freeborn. 1,694,848; Dec. 11.
- Clarifying, decoloring, and neutralizing oils. D. R. Merrill. 1,695,198; Dec. 11.
- Clarifying cane molasses for the growing of yeast. C. Hoffman, C. N. Frey, and F. M. Hildebrandt. 1,687,561; Oct. 16.
- Clasp: See—
- Bracelet clasp. Lingerie clasp.
- Button clasp. Watch-bracelet clasp.
- Card clasp.
- Clasp. M. M. Bear. 1,657,365; Jan. 24.
- Clasp. C. C. Holden. 1,675,806; July 3.
- Clasp. G. H. Roberts. 1,677,849; July 17.
- Clasp and producing the same, Hair. C. A. Gibson. 1,666,133; Apr. 17.
- Clasp, catch, and lock for bags, Combined. W. C. Hering. 1,672,383; June 5.
- Clasp for bracelets or the like. C. H. Batchelder. 1,696,292; Dec. 25.
- Clasp for watch chains, Safety. H. J. Rivers. 1,688,506; Oct. 23.
- Clasp jaw for fur scarfs or the like. W. Greenberg. Des. 76,844; Sept. 18.
- Clasps, Making. A. Fricker. 1,671,107; May 29.
- Classification system, Railway-car. C. W. Prescott. 1,681,131; Aug. 14.
- Classifier. A. H. Stebbins. 1,655,574-7; Jan. 10.
- Classifier, Air. A. H. Stebbins. 1,673,848; June 19.
- Classifying apparatus. A. M. Stoeke. 1,661,858; Mar. 6.
- Classifying device, Automatic. W. D. Kmentt. 1,690,171; Nov. 6.
- Classifying device, Automatic. W. D. Kmentt and H. E. Waner. 1,656,330; Jan. 17.
- Classifying irregularly-shaped material employed in the making of buttons or blanks for disks or the like. R. Stanforth. 1,660,239; Feb. 21.
- Classing clamp. A. Müller. 1,681,707; Aug. 21.
- Claw bar. A. E. Dayton and J. V. Carlsen. 1,692,722; Nov. 20.
- Claw bar. T. Maney. 1,676,149; July 3.
- Clay articles, Process of and apparatus for making. E. J. Casselman. 1,692,887; Nov. 27.
- Clay in refining plants, Disposing of spent. J. M. Cory and F. H. Bunke. 1,660,434; Feb. 28.
- Clay products, Apparatus for producing. M. Lang. 1,663,309; Mar. 20.
- Clay products in kilns or ovens, Method of and apparatus for heating. C. H. Camp. 1,656,167; Jan. 17.
- Cleaner: See—
- Air and gas cleaner. Mop cleaner.
- Air cleaner. Oil cleaner.
- Beet cleaner. Pipe cleaner.
- Blackboard cleaner. Pipe-stem cleaner.
- Boiler cleaner. Portable cleaner.
- Boiler-pipe cleaner. Razor cleaner.
- Boiler soot cleaner. Rotary cleaner.
- Boiler-tube cleaner. Roll cleaner.
- Bottle cleaner. Rust or scale cleaner.
- Brush cleaner. Screen cleaner.
- Car cleaner. Seed cleaner.
- Catch-basin cleaner. Shade cleaner.
- Centrifugal cleaner. Shoe cleaner.
- Chimney cleaner. Silk cleaner.
- Comb cleaner. Sink cleaner.
- Condenser-tube cleaner. Snow cleaner.
- Conveying-pipe cotton cleaner. Spark-plug cleaner.
- Cotton cleaner. Spinach cleaner.
- Ditch cleaner. Suction cleaner.
- Eraser cleaner. Surface cleaner.
- Floor cleaner. Thread cleaner.
- Flue cleaner. Tooth cleaner.
- Fuel cleaner. Tray cleaner.
- Furnace cleaner. Tube cleaner.
- Grain cleaner. Vacuum cleaner.
- Grain and seed cleaner. Window cleaner.
- Hair cleaner. Windshield cleaner.
- Cleaner and clearer, Window. K. Herman. 1,665,031; Apr. 3.
- Cleaner and elevator, Combined grain. D. W. Detwiler. 1,679,516; Aug. 7.
- Cleaner drum for cotton-gin feeders. T. Elliott. 1,656,432; Jan. 17.
- Cleaner for automobile engines, Oil. J. F. Wells. 1,686,304; Oct. 2.
- Cleaner for carburetors, Gravity air. A. C. Bennett. 1,689,104; Oct. 23.
- Cleaner for conical and cylindrical screens, Rotary screen. F. McAluliff. 1,681,422; Aug. 21.
- Cleaner for filtering elements. C. S. Burns. 1,689,277; Oct. 30.
- Cleaner for skimming disks of cream separators. C. Molstad. 1,688,244; Oct. 16.
- Cleaner for windshields and the like. J. R. Oishei. 1,658,389; Feb. 7.
- Cleaning and abrasive device. J. J. Peterson. 1,663,059; Mar. 20.
- Cleaning and burnishing metallic powders. J. A. Daly. 1,681,521; Aug. 21.
- Cleaning and coating machine for pipes and the like. H. S. Christopher. 1,668,265; May 1.
- Cleaning and extracting machine. F. L. Harding. 1,691,113; Nov. 13.
- Cleaning and imparting rust-inhibitive properties to steel, Agent for. J. D. Kilger. 1,695,430; Dec. 18.
- Cleaning and polishing automobiles, Apparatus for. B. K. Gillespie. 1,694,120; Dec. 4.
- Cleaning and polishing composition. A. B. Reeve. 1,675,227; June 26.
- Cleaning and polishing machine, Fruit. E. M. Wayland and A. H. McIntyre. 1,689,653; Oct. 30.
- Cleaning and polishing plate glass, Apparatus for. A. L. M. Pirrone. 1,674,263; June 19.
- Cleaning and polishing wheel. T. P. Kimman. 1,685,406; Sept. 25.
- Cleaning and separating hair, Method and apparatus for. E. J. Olsen. 1,678,525; July 24.
- Cleaning and sizing apparatus. E. O'Toole. 1,667,331; Apr. 24.
- Cleaning and smoothing films and the like, Device for. J. J. F. Stock. 1,676,299; July 10.
- Cleaning apparatus. J. S. Campbell. 1,665,727; Apr. 10.
- Cleaning apparatus. B. L. Harrison. 1,691,060; Nov. 13.
- Cleaning apparatus, Ballast-. P. H. Hamilton. 1,690,009; Oct. 30.
- Cleaning apparatus, Cotton-. J. C. Garner. 1,680,978; Aug. 14.
- Cleaning apparatus, Dipping-form-. F. J. Unger. 1,658,011; Jan. 31.
- Cleaning apparatus, Fruit-. E. A. White. 1,676,306; July 10.
- Cleaning apparatus, Gas-. C. G. Hawley. 1,663,597; Mar. 27.

- Cleaning apparatus, Pipe-. W. H. Elliott. 1,692,028; Nov. 20.
- Cleaning apparatus, Suction. E. F. Martinet. 1,694,273; Dec. 4.
- Cleaning apparatus, Tank-. G. W. Land. 1,666,015; Apr. 10.
- Cleaning apparatus, Window-. C. E. Mortlock. 1,679,323; July 31.
- Cleaning attachment for loading machines, Track-. Bottomley and F. Welch. 1,681,089; Aug. 14.
- Cleaning ballast, Apparatus for. P. H. Hamilton. 1,687,724; Oct. 16.
- Cleaning berries, Process and apparatus for. J. W. Sawyer. 1,681,627; Aug. 21.
- Cleaning boiler tubes, Apparatus for. J. P. Martinussen. 1,677,836; July 17.
- Cleaning casings, G. D. Watson. 1,695,749; Dec. 18.
- Cleaning coal, Apparatus for. E. O'Toole. 1,693,861; Dec. 4.
- Cleaning chicle and similar gums. D. W. Howe, E. R. Pickett, and D. M. McBean. 1,664,981; Apr. 3.
- Cleaning composition. S. D. Franko. 1,688,540; Oct. 23.
- Cleaning composition, Drainpipe-. E. A. Taylor. 1,693,678; Dec. 4.
- Cleaning composition of matter. R. B. Hoffman. 1,685,360; Sept. 25.
- Cleaning composition, Oil-well-. F. D. Sullivan. 1,661,512; Mar. 6.
- Cleaning compound, Liquid. Y. Katayama. 1,678,815; July 31.
- Cleaning device. A. Z. Bose. 1,655,309; Jan. 3.
- Cleaning device. C. Field. 1,682,118-19; Aug. 28.
- Cleaning device. O. Geisler. 1,656,479; Jan. 17.
- Cleaning device. H. A. Mund. 1,672,772; June 5.
- Cleaning device. J. S. Reed. 1,695,023; Dec. 11.
- Cleaning device, Chimney. W. Koss. 1,688,638; Oct. 23.
- Cleaning device, Clothes and fabric. C. W. Roberts. 1,696,414; Dec. 25.
- Cleaning device. G. Tancetti. 1,666,360; Apr. 17.
- Cleaning device. A. Traube. 1,679,843; Aug. 7.
- Cleaning device. G. Wagner. 1,667,464; Apr. 24.
- Cleaning device, Carpet-. T. Le Vora. 1,656,208; Jan. 17.
- Cleaning device, Clothesline-. A. F. Broderick. 1,679,401; Aug. 7.
- Cleaning device, Ear-. S. M. Kohr. 1,672,816; June 5.
- Cleaning device for false teeth. H. G. Hall. 1,683,458; Sept. 4.
- Cleaning device for hot-air-furnace pipes. T. Russell. 1,669,101; May 8.
- Cleaning device for use on motor cars, Shoe-. A. Macdonald. 1,693,305; Nov. 27.
- Cleaning device, Hydraulic vacuum. C. F. MacDonald. 1,678,258; July 24.
- Cleaning device, Oil-well-. R. L. Buck. 1,672,200; June 6.
- Cleaning device, Pipe-. L. R. Titcomb and H. S. Ashmun. 1,695,831; Dec. 18.
- Cleaning device, Poultry-pan-. H. B. Coats, D. E. Jaques, and A. W. Holmes. 1,691,181; Nov. 13.
- Cleaning device, Power-driven. S. Varner. 1,689,166; Oct. 23.
- Cleaning device, Spark-plug-. G. W. Fleming and R. W. Ellingham. 1,690,629; Nov. 6.
- Cleaning device, Suction. W. A. Frantz. 1,677,625; July 17.
- Cleaning device, Suction. W. V. Orr. 1,692,137; Nov. 20.
- Cleaning device, Tank-. A. B. Butterworth. 1,693,885; Dec. 4.
- Cleaning devices, Water seal for. R. L. Jewel. 1,687,617; Oct. 16.
- Cleaning device, Window-. F. H. Dellaree and J. Pomze. 1,682,216; Aug. 28.
- Cleaning device, Window. A. J. Devenere. 1,693,336; Nov. 27.
- Cleaning device, Window-. L. Hachenberg. 1,692,036; Nov. 20.
- Cleaning device, Working-barrel-. D. E. Norris. 1,687,781; Oct. 16.
- Cleaning filters. L. L. Dollinger. 1,691,514; Nov. 13.
- Cleaning flexible foraminous sheets. F. G. Purinton. 1,694,021; Dec. 4.
- Cleaning floors, Apparatus for. R. A. Ponselle. 1,673,529; June 12.
- Cleaning gelatinous surfaces and the like. B. Sugden. 1,692,358; Nov. 20.
- Cleaning high-pressure boiling apparatus, Method of and apparatus for. G. Ullmann. 1,678,089; July 24.
- Cleaning implement. W. J. Barber. 1,685,265; Sept. 25.
- Cleaning implement, Ear-. R. Etlng. 1,693,581; Nov. 27.
- Cleaning implement, Surface-. G. Terpenning. 1,664,908; Apr. 3.
- Cleaning lubricant cases of engines. W. L. Osborne. 1,696,100; Dec. 18.
- Cleaning machine. O. W. and W. M. Brantley. 1,654,635; Jan. 3.
- Cleaning machine. O. W. and W. M. Brantley. 1,654,676; Jan. 3.
- Cleaning machine. C. F. Gregg. 1,685,812; Oct. 2.
- Cleaning machine, Drum-. A. Stevens. 1,690,758; Nov. 6.
- Cleaning machine, Surface-. W. L. Keefer. 1,661,480; Mar. 6.
- Cleaning means. P. Breton. 1,690,472; Nov. 6.
- Cleaning paper stock, Apparatus and process for. C. L. Keller. 1,676,652; July 10.
- Cleaning rake, Self-. W. S. Williamson. 1,686,781; Oct. 9.
- Cleaning rod and extracting device. L. F. Smith. 1,665,988; Apr. 10.
- Cleaning, separating and grading seeds and other bodies, Method and apparatus for. H. R. Warren. 1,616,981; May 29.
- Cleaning slag pockets, Apparatus for. J. Horne. 1,676,555; July 10.
- Cleaning soaking drums. H. W. Fletcher. 1,676,389; July 10.
- Cleaning solution, Metal-. C. F. Dinley. 1,663,446; Mar. 20.
- Cleaning system, Automobile. R. B. Busby and L. B. Samanski. 1,682,830; Sept. 4.
- Cleaning system, Dry-. J. T. Fenton. 1,669,235; May 8.
- Cleaning the cock connections between mains and service or branch pipes. C. A. Britnell. 1,675,968; July 3.
- Cleaning the fire tubes of multitubular boilers and the like, Apparatus for. C. B. Gardner. 1,661,890; Mar. 6.
- Cleaning the submerged surfaces of vessels. K. A. A. Wärf. 1,673,539; June 12.
- Cleaning thrashed cereals. A. Altamirano. 1,688,678; Oct. 23.
- Cleaning tin plate. T. O'Brien and R. E. Zimmerman. 1,678,297; July 24.
- Cleaning tubes or the like, Device for. A. Brendlin. 1,693,134; Nov. 27.
- Cleaning wells, Apparatus for. J. H. Sanford, jr. 1,693,405; Nov. 27.
- Cleanser, Hydroteeth. G. N. Moore. 1,692,047; Nov. 20.
- Cleansing and cooling gases, Apparatus for. O. Hubmann. 1,690,635; Nov. 6.
- Cleansing and disinfecting, Apparatus for. A. H. and R. F. Thompson. 1,667,683; Apr. 24.
- Cleansing and polishing compound. C. H. McAleer. 1,662,582; Mar. 13.
- Cleansing compound and making same. W. O. Nance. 1,657,893; Jan. 31.
- Cleansing-fluid-conveying tube for rock drills. L. C. Bayles. 1,689,275; Oct. 30.
- Cleansing-liquid-restoring means. M. M. and S. S. Schwab. 1,682,939; Sept. 4.
- Cleansing machine. W. H. Dunn. 1,665,809; Apr. 10.
- Cleansing machine. W. H. Dunn. 1,678,037; July 24.
- Cleansing means for rock drills. J. G. Graham. 1,679,131; July 31.
- Cleansing nicotine vapors. R. G. Newborne. 1,684,740; Sept. 18.
- Cleat, Box. H. W. Embry. 1,657,668; Jan. 31.
- Cleat, Conveyer. E. H. Noack. 1,658,250; Feb. 7.
- Cleat for athletic shoes. J. T. Riddell. 1,659,665; Feb. 21.
- Cleat for sport shoes. G. L. Pierce. 1,687,634; Oct. 16.
- Cleat-making and cleat and handle assembling machine. J. A. Gray. 1,692,033; Nov. 20.
- Cleat-trimming machine. W. H. Albee and A. G. Davis. 1,689,219; Oct. 30.
- Clevis. E. P. Wiese. 1,675,681; July 3.
- Clinch collar for shades. L. W. Andersen. 1,696,875; Dec. 25.
- Clincher for wire-stapling machines. H. G. Allen. 1,675,779; July 3.
- Clip: See—
- Article-holding clip. Pencil clip.
- Bar clip. Permanent-wave clip
- Battery-terminal clip. Pull-cord clip.
- Bolt and screw clip. Reinforcing clip.
- Brace clip. Reloading clip.
- Cigarette clip. Retaining clip.
- Clothes clip. Rope clip.
- Contact clip. Screen-holding clip.
- Film clip. Sheet-supporting clip.
- Floor clip. Spring clip.
- Fuse clip. Spring holding and post-tioning clip.
- Hair-waving clip. Suspension clip.
- Laminate-spring clip. Terminal clip.
- Light-bulb clip. Test clip.
- Locking clip. Tire-chain clip.
- Paper clip. Window-glass clip.
- Pen clip.
- Pen and pencil clip.
- Clip. A. F. Shore. 1,680,435; Aug. 14.
- Clip-bending machine. H. A. Wagner. 1,655,747; Jan. 10.
- Clip for beading construction. R. Kauffman. 1,686,278; Oct. 2.
- Clip for fastening metal laths. J. S. Raynor. 1,679,006; July 31.
- Clip for message blanks, Desk. R. I. Meader and E. W. Hewitt. 1,671,869; May 29.
- Clip for pencils and the like. G. L. Bassett. 1,696,183; Dec. 25.
- Clip for securing wood to iron beams. R. R. Seward and J. A. Booe. 1,696,104; Dec. 18.
- Clip for temporarily supporting structural members. W. F. Reinhold. 1,662,438; Mar. 13.
- Clip for tire chains. B. A. Small. 1,661,707; Mar. 6.
- Clip for writing instruments. W. C. S. Mays. 1,662,073; Mar. 13.
- Clipper. A. Dishmaker. 1,693,707; Dec. 4.
- Clipper. F. H. Rauh. 1,681,746; Aug. 21.
- Clipper. H. Van Bree. 1,690,801; Nov. 6.

- Clipper, W. J. Van Osdel. 1,682,447; Aug. 28.
 Clipper, W. J. Van Osdel. 1,695,516; Dec. 18.
 Clipper, Hair. J. H. Donnellon. 1,691,270; Nov. 13.
 Clipper, Hair. G. Sekulich. 1,673,643; June 12.
 Clipper, Hair. N. N. Tomasulo. 1,666,224; Apr. 17.
 Clipper, Reed. L. W. Chobar. 1,675,161; June 25.
 Clock. J. Bachtdol. 1,659,422; Feb. 14.
 Clock. M. A. Gerson. 1,659,256; Feb. 14.
 Clock. F. C. Holtz. 1,659,027; Feb. 14.
 Clock, Alarm. K. Kopatschek. 1,663,710; Mar. 27.
 Clock, Alarm. W. F. McKinley. 1,677,790; July 17.
 Clock and lamp, Combined. A. J. Kollman. Des. 75,569; June 19.
 Clock and lamp, Combined alarm. F. J. T. Hall. 1,665,412; Apr. 10.
 Clock and support therefor, Combined. F. C. Herbermann. Des. 75,623; June 26.
 Clock and the like, Self-winding. S. Manheim. 1,659,208; Feb. 14.
 Clock and watch with twenty-four hour figure indication. E. Schwanke. 1,665,073; Apr. 3.
 Clock attachment. W. B. Atkinson. 1,667,685; Apr. 24.
 Clock, Calendar. M. Martini. 1,675,761; July 3.
 Clock, Calendar. R. N. Reid. 1,677,872; July 17.
 Clock case. W. H. Balzer. Des. 76,595; Oct. 16.
 Clock case. B. Garay. Des. 75,972; Aug. 7.
 Clock case. A. T. Goldfield. Des. 74,366; Feb. 7.
 Clock case. A. T. Goldfield. Des. 74,425-31; Feb. 14.
 Clock case. I. Greenugus. Des. 74,736; Mar. 20.
 Clock case. F. C. Herbermann. Des. 76,798; Nov. 6.
 Clock case. F. B. Pedersen. Des. 75,284; May 22.
 Clock case. W. K. Sessions. Des. 75,078; May 1.
 Clock case. H. Spingarn. Des. 75,079; May 1.
 Clock case. H. Wessler. Des. 75,312; May 22.
 Clock case. R. H. Whitehead. Des. 75,086; May 1.
 Clock case. R. H. Whitehead. Des. 75,816; July 17.
 Clock case. R. H. Whitehead. Des. 76,335; Sept. 11.
 Clock case. R. H. Whitehead. Des. 77,342-3; Dec. 25.
 Clock construction. J. Zubaty. 1,694,760; Dec. 11.
 Clock-controlled electric circuit. W. T. Trenwith. 1,673,380; June 12.
 Clock-controlled switch. H. P. MacLagan. 1,693,721; Dec. 4.
 Clock crystal. L. Stern. 1,692,424; Nov. 20.
 Clock dial. M. Salinger. Des. 76,705; Oct. 23.
 Clock, Electric. F. C. Holtz. 1,659,028; Feb. 14.
 Clock, Electric. C. E. Prince. 1,661,909; Mar. 6.
 Clock, Electrically-operated. M. A. Standow. 1,680,700; Aug. 14.
 Clock face. F. Fontana. Des. 77,083; Dec. 4.
 Clock frame. F. W. Schenk. Des. 77,129; Dec. 4.
 Clock frame, Alarm-. P. Siprott. Des. 76,643-4; Oct. 16.
 Clock hand. W. H. Clark. Des. 74,780; Mar. 27.
 Clock mechanism, Corrective device for secondary. A. E. Long. 1,679,534; Aug. 7.
 Clock mounting. W. D. Clark. 1,665,491; Apr. 10.
 Clock mounting. M. L. Goldberg. Des. 75,486; June 12.
 Clock mounting, Motor. J. F. Mansfield. 1,678,990; July 31.
 Clock-movement pillar. H. Colomb. 1,655,012; Jan. 3.
 Clock, Pendulum desk. P. Lux. Des. 75,182; May 15.
 Clock, Savings. K. Landenberger. 1,695,593; Dec. 18.
 Clock-savings-bank device, Combined. R. Hobs. 1,682,568; Aug. 28.
 Clock, Secondary electric. T. S. Casner. 1,655,493; Jan. 10.
 Clock, Silent secondary. T. S. Casner. 1,667,308; Apr. 24.
 Clock, Synchronizing. J. W. Bryce. 1,687,491; Oct. 16.
 Clock system, Wireless synchronizing. J. W. Bryce. 1,657,105; Jan. 24.
 Clock, Twenty-four-hour. F. A. Helin. 1,676,030; July 3.
 Clock with rotary operating members. W. E. Porter. 1,665,476; Apr. 10.
 Clock winding mechanism, Electric. F. A. Feldkamp. 1,657,617; Jan. 31.
 Clocks, Alarm attachment for. G. J. Dietrich. 1,586,408; Oct. 2.
 Clocks, Controlling system for motor-driven. S. Keillien. 1,680,686; Aug. 14.
 Clocks, Driving device for program. C. E. Larrabee. 1,680,742; Aug. 14.
 Close-quarter drill. F. A. Jimerson. 1,657,930; Jan. 31.
 Closet: *Sec-*
 Safety closet. Water-closet.
 Closet-flushing tank. M. B. McCleery. 1,670,975; May 22.
 Closet seat. E. A. Zundel. 1,691,176; Nov. 13.
 Closet tank. J. R. Coxon. Des. 75,721; July 10.
 Closet tank. S. Smith. Des. 75,193; May 15.
 Closet ventilator, Water-. W. M. Watkins and G. C. Finley. 1,685,891; Oct. 2.
 Closets and the like, Removable lining for. B. Friend. 1,664,854; Apr. 3.
 Closets, Foot-rest attachment for. Z. W. Gunckel. 1,678,466; July 24.
 Closing and retarding device. P. S. Morgan. 1,682,696; Aug. 28.
 Closing bag. P. Gangler. 1,683,771; Sept. 11.
 Closure. W. G. Clark. 1,691,110; Nov. 13.
 Closure. J. H. Dillon, and H. H. Fairweather. 1,681,661; Aug. 21.
 Closure. J. C. Doweiko. 1,692,634; Nov. 20.
 Closure. A. A. Horton. 1,682,081; Aug. 28.
 Closure. H. H. McGee. 1,669,568; May 15.
 Closure. P. S. Moyer. 1,682,234; Aug. 28.
 Closure. J. S. Reid. 1,682,094; Aug. 28.
 Closure. W. Schwemlein. 1,689,057; Oct. 23.
 Closure. D. Stern. 1,667,084; Apr. 24.
 Closure. F. G. Wikstrom. 1,690,804; Nov. 6.
 Closure and auxiliary seat back for automobile decks. W. E. Holler and W. H. Farr. 1,654,878; Jan. 3.
 Closure and method of sealing. A. Podel. 1,696,555; Dec. 25.
 Closure and sealing means, Can. W. Horlick, jr. 1,683,034; Sept. 4.
 Closure attachment for receptacles. W. M. Baumheckel. 1,657,428; Jan. 24.
 Closure boot, Flexible. A. G. Geistert. 1,662,310; Mar. 13.
 Closure, Bottle. J. M. L. Groby. 1,681,036; Aug. 14.
 Closure, Bottles. W. G. Laidlaw. 1,669,715; May 15.
 Closure, Can. J. C. Diamant. 1,690,892; Nov. 6.
 Closure cap. W. L. Morrison. 1,677,403; July 17.
 Closure cap. S. Westby. 1,679,697; Aug. 7.
 Closure cap, Friction. E. Scofield. 1,665,821; Apr. 10.
 Closure caps to containers, Applying. J. E. Sharp. 1,684,892; Sept. 18.
 Closure, Container. J. D. Reifsnnyder. 1,690,701; Nov. 6.
 Closure, Container. F. R. Schriver. 1,684,415; Sept. 18.
 Closure device. L. R. N. Carvalho. 1,674,615; June 19.
 Closure device. L. R. N. Carvalho. 1,685,227; Sept. 25.
 Closure elements, Method of and apparatus for lining. L. P. Toscano. 1,693,007; Nov. 27.
 Closure, Flexible. R. H. Binns. 1,655,982; Jan. 10.
 Closure, Flexible. R. H. Binns. 1,680,362; Aug. 14.
 Closure, Flexible. J. B. Freysinger. 1,657,385; Jan. 24.
 Closure, Flexible. J. B. Freysinger. 1,660,192; Feb. 21.
 Closure, Flexible. J. B. Freysinger. 1,673,322-3; June 12.
 Closure for bottles. A. F. McDonnell. 1,691,525; Nov. 13.
 Closure for bottles and the like, Dispensing. E. Gottschalk. 1,664,975; Apr. 3.
 Closure for collapsible tubes. A. E. Smith. 1,696,506; Dec. 25.
 Closure for containers. R. H. Carpmacel. 1,667,770; May 1.
 Closure for containers. A. F. McDonnell. 1,691,526; Nov. 13.
 Closure for containers. A. F. McDonnell. 1,691,780; Nov. 13.
 Closure for containers. A. F. McDonnell. 1,693,117; Nov. 27.
 Closure for containers. C. S. Watson. 1,676,846; July 10.
 Closure for fish bowls or the like. M. Jyumi. 1,674,046; June 19.
 Closure for fluid-conducting members. J. A. Costello. 1,656,318; Jan. 17.
 Closure for hydraulic intakes, Emergency. J. J. Keon. 1,692,127; Nov. 20.
 Closure for paper bags, End. L. J. Finn and P. E. Morrill. 1,682,839; Sept. 4.
 Closure for power devices. T. E. King. 1,655,867; Jan. 10.
 Closure for receptacles. J. S. Stanley. 1,669,216; May 8.
 Closure for sheet-metal containers. C. T. Draper. 1,667,697; Apr. 24.
 Closure for sifter-top cans. J. M. Hothersall. 1,694,781; Dec. 11.
 Closure for thief holes for tanks and other receptacles. C. Ehret. 1,671,357; May 29.
 Closure, Friction-retained. E. Scofield. 1,663,142; Mar. 20.
 Closure, Hinged. C. M. Dibble. 1,669,604; May 15.
 Closure lock. M. H. Borzin and A. Mitru. 1,693,544; Nov. 27.
 Closure means for inflatable hollow rubber bodies. I. and L. Dorogi. 1,682,836; Sept. 4.
 Closure means for tobacco pouches and other containers. G. S. Van Voorhis. 1,692,969; Nov. 27.
 Closure-operating mechanism. C. E. Vreeland. 1,676,064; July 3.
 Closure operator. J. P. Becker. 1,668,259; May 1.
 Closure operator for sliding doors. H. W. Shonnard. 1,684,115; Sept. 11.
 Closure, Package. M. B. Behrman. 1,690,850; Nov. 6.
 Closure, Powder bottle or can. W. E. Wacker. 1,669,884; May 15.
 Closure, Receptacle. L. R. N. Carvalho. 1,680,763; Aug. 14.
 Closure, Receptacle. F. C. Clement. 1,684,214; Sept. 11.
 Closure, Removable. G. Breidenbach. 1,676,379; July 10.
 Closure retainer. G. F. Ballou. 1,657,562; Jan. 31.
 Closure seat for metallic containers. L. B. Wackman. 1,689,510; Oct. 30.
 Closure structure. J. E. Carlson and W. G. Nordman. 1,662,361; Mar. 13.
 Closure, Tank. O. Evinrude. 1,683,338; Sept. 4.
 Closure, Tank-riser. L. C. Eller. 1,696,754; Dec. 25.
 Closures, Forming. W. M. Bell. 1,690,523; Nov. 6.
 Cloth board. C. H. Forney. 1,672,756; June 5.
 Cloth board and similar article. H. B. Smith. 1,683,707; Sept. 11.
 Cloth board or similar article. G. B. Scheffey. 1,659,282; Feb. 14.
 Cloth-conveying device. J. Vidal. 1,657,424; Jan. 24.
 Cloth cutter. H. N. James. 1,666,969; Apr. 24.
 Cloth-cutting machine. I. Appelbaum. 1,690,808; Nov. 6.

- Cloth, Dust. S. Z. Herzfeld. 1,658,048; Feb. 7.
 Cloth expander. E. Farrell. 1,660,224; Feb. 21.
 Cloth-inspecting machine. A. C. Mason. 1,664,368; Mar. 27.
 Cloth, Method and apparatus for laying up. J. Ebenhart. 1,663,496; Mar. 20.
 Cloth or fabric. T. H. McComsey. 1,670,075; May 15.
 Cloth or pile fabrics, Treating terry. L. F. Dulligan. 1,672,712; June 5.
 Cloth pattern. W. J. Zimmerman. 1,678,756; July 31.
 Cloth ripper. K. Kehetian. 1,660,340; Feb. 28.
 Cloth-rolling machine. P. Gardner. 1,680,979; Aug. 14.
 Cloth, Shearing machine. C. G. Richardson. 1,672,781; June 5.
 Cloth-singeing apparatus. A. W. Machlet. 1,655,233; Jan. 3.
 Cloth sponging and shrinking machine. M. E. Popkin. 1,677,367; July 17.
 Cloth, Wash. M. Y. Stockbower. 1,683,110; Sept. 4.
 Clothes brush, Electric. R. Krug. 1,667,554; Apr. 24.
 Clothesbrush, Pocket. N. Olmazu. 1,696,727; Dec. 25.
 Clothes carrier. O. Kvare. 1,666,536; Apr. 17.
 Clothes clamp, Bed. M. Harris. 1,684,443; Sept. 18.
 Clothes clip. L. H. Penley. 1,683,049; Sept. 4.
 Clothes drier. T. D. Beaumont. 1,673,438; June 12.
 Clothes drier. D. Bell. 1,691,042; Nov. 13.
 Clothes drier. E. O. De Camp. 1,668,762; May 8.
 Clothes drier. C. A. Fisher. 1,674,509; June 19.
 Clothes drier. C. W. Kellman. 1,689,345; Oct. 30.
 Clothes drier. S. Killmaick. 1,680,524; Aug. 14.
 Clothes drier. J. MacFarlane. 1,695,151; Dec. 11.
 Clothes hanger. C. S. Gerard. 1,692,084; Nov. 20.
 Clothes hanger. H. Halls-Karlbach. Des. 76,747; Oct. 30.
 Clothes hanger. N. E. Hawkins. 1,696,480; Dec. 25.
 Clothes hanger. M. B. Krafthefer. Des. 76,618; Oct. 16.
 Clothes hanger. A. C. Torst. 1,672,795; June 5.
 Clothes-hanging device. M. Wirth. 1,692,880; Nov. 27.
 Clothesline. F. E. Bankwitz. 1,659,556; Feb. 21.
 Clothesline. T. J. James. 1,692,743; Nov. 20.
 Clothesline clamp. H. F. Drake. 1,690,815; Nov. 6.
 Clothesline holder. J. H. Herman. 1,656,113; Jan. 10.
 Clothesline holder. A. L. Le Baron. 1,655,065; Jan. 3.
 Clothesline holder. G. J. A. Molique. 1,674,559; June 19.
 Clothesline installation, Safety. M. Hornstein. 1,656,519; Jan. 17.
 Clothesline pole and reel. O. Kanawyer and H. Keener. 1,676,696; July 10.
 Clothesline reel. J. Strombach. 1,689,695; Oct. 30.
 Clothesline reel. M. A. Tufte. 1,674,877; June 26.
 Clothesline support. H. M. Snoddy. 1,660,724; Feb. 28.
 Clothespin. W. R. Butner. 1,681,461; Aug. 21.
 Clothespin. J. O. Carroll. 1,692,076; Nov. 20.
 Clothespin. A. T. Wood. 1,684,721; Sept. 18.
 Clothespin. H. C. Ziebertz. 1,679,196; July 31.
 Clothespin bag. J. Hatcher. 1,683,032; Sept. 4.
 Clothespin bag, Sliding. W. H. Orth. 1,667,889; Apr. 24.
 Clothes-pressing machine. R. C. Burnley. 1,682,003; Aug. 28.
 Clothes rack. I. H. Shambaugh. 1,671,743; May 29.
 Clothes rod. L. Raggio. 1,681,010; Aug. 14.
 Clothes-treating appliance. T. L. Wands. 1,662,350; Mar. 13.
 Clothes washer. C. Aalborg. 1,686,722; Oct. 9.
 Clothes washer. J. V. Thompson and H. C. Dietz. 1,665,118; Apr. 3.
 Clothes washer, Mechanical. M. A. Defaugh. 1,689,381; Oct. 30.
 Clothes-washer structure. F. J. Dultmeier. 1,675,169; June 26.
 Clothes-washing apparatus. Q. Santicola. 1,671,380; May 29.
 Clothes wringer. L. Judelson; 1,654,816; Jan. 3.
 Clothes wringer. L. Judelson. 1,690,117; Nov. 6.
 Clothes wringer. J. E. Russell. 1,656,570; Jan. 17.
 Clothes wringer, Power-operated. J. T. Hume. 1,677,863; July 17.
 Clover huller. J. Geiger. 1,689,239; Oct. 30.
 Clutch. R. A. Bartholomew. 1,654,911; Jan. 3.
 Clutch. A. A. Beyerlein. 1,665,999; Apr. 10.
 Clutch. G. C. Carhart. 1,684,471; Sept. 18.
 Clutch. D. C. Conking. 1,686,226; Oct. 2.
 Clutch. L. H. Davis. 1,673,867; June 19.
 Clutch. G. W. Dunham. 1,678,638; July 31.
 Clutch. R. Ehrenfeld. 1,682,493; Aug. 28.
 Clutch. J. C. England. 1,661,172; Mar. 6.
 Clutch. J. F. Gaylord. 1,659,525; Feb. 14.
 Clutch. H. E. Goodenow. 1,659,428; Feb. 14.
 Clutch. O. R. and W. G. Humphreys. 1,674,011; June 19.
 Clutch. R. W. Janda. 1,660,448; Feb. 28.
 Clutch. W. C. Kirchhoff. 1,669,907; May 15.
 Clutch. G. F. Kolb. 1,665,554; Apr. 10.
 Clutch. F. W. Kraft. 1,690,686; Nov. 6.
 Clutch. N. Le Van. 1,695,150; Dec. 11.
 Clutch. A. J. Liedtke and C. J. Travers. 1,691,978; Nov. 20.
 Clutch. W. L. Lindgren. 1,669,256; May 8.
 Clutch. J. Mader. 1,663,015; Mar. 20.
 Clutch. W. K. Monroe. 1,669,878; May 15.
 Clutch. A. E. Norris. 1,671,443; May 29.
 Clutch. W. J. Pearmain. 1,690,698; Nov. 6.
 Clutch. W. J. Pearmain. 1,694,980; Dec. 11.
 Clutch. G. B. Ridley. 1,686,989; Oct. 9.
 Clutch. C. B. Spase. 1,680,751; Aug. 14.
 Clutch. J. S. Stull. 1,672,964; June 12.
 Clutch. A. Taub. 1,655,169; Jan. 3.
 Clutch. E. H. Tenney. 1,672,582; June 5.
 Clutch. G. P. Thomas. 1,686,584; Oct. 9.
 Clutch. W. E. Tullar. 1,681,714; Aug. 21.
 Clutch. N. Viehmann. 1,664,439; Apr. 3.
 Clutch. E. E. Wemp. 1,657,731; Jan. 31.
 Clutch. E. E. Wemp. 1,660,020; Feb. 21.
 Clutch-actuating means for machine tools. W. L. Schellenbach. 1,692,705; Nov. 20.
 Clutch and brake assembly for power-driven machines. A. A. Morris. 1,687,778; Oct. 16.
 Clutch and brake-control mechanism, Combination. H. T. Thomas. 1,686,716; Oct. 9.
 Clutch and brake mechanism for hoisting drums, Combined. S. O. Hale. 1,677,338; July 17.
 Clutch and clutch-actuating mechanism. F. H. Bierman. 1,662,598; Mar. 13.
 Clutch and control mechanism. H. H. Waters. 1,681,384; Aug. 21.
 Clutch and reverse gear, Fluid. A. C. Anderson. 1,663,186; Mar. 20.
 Clutch and transmission mechanism. W. J. Pearmain. 1,685,502; Sept. 25.
 Clutch arrangement for laundry machines, Automatic. G. W. Dunham. 1,694,810; Dec. 11.
 Clutch, Automatic. F. D. Pearne and L. E. Gotsch. 1,687,587; Oct. 16.
 Clutch, Automatic release. J. K. Bayles. 1,669,225; May 8.
 Clutch bearing for vehicles. P. Demchuk. 1,662,601; Mar. 13.
 Clutch brake, Adjustable. H. W. Sweet. 1,686,352; Oct. 2.
 Clutch, Centrifugal friction. W. Wallace. 1,659,286; Feb. 14.
 Clutch, Constant-capacity automatic. C. W. Tydeman. 1,664,954; Apr. 3.
 Clutch construction. R. L. Hawkins. 1,673,046; June 12.
 Clutch construction. V. Link. 1,663,803; Mar. 27.
 Clutch construction. R. Murphy. 1,683,624; Sept. 11.
 Clutch construction. C. B. Spase. 1,675,063; June 26.
 Clutch control. B. S. Aikman. 1,669,438; May 15.
 Clutch control. W. S. Myers. 1,686,760; Oct. 9.
 Clutch control. A. Smith. 1,659,285; Feb. 14.
 Clutch control. A. Smith. 1,692,390; Nov. 20.
 Clutch control for transmission mechanism. R. F. Crawford. 1,696,838; Dec. 25.
 Clutch controller. C. K. Porter. 1,682,348; Aug. 28.
 Clutch device. E. L. Ackerman and A. J. Zwierzina. 1,657,561; Jan. 31.
 Clutch device. J. M. Brown. 1,689,857; Oct. 30.
 Clutch device. H. E. Christie. 1,688,852; Oct. 23.
 Clutch disk. E. Slade. 1,681,371; Aug. 21.
 Clutch drums, Producing. H. S. Macchesney. 1,665,375; Apr. 10.
 Clutch, Easily-operated. E. H. Lichtenberg. 1,681,352; Aug. 21.
 Clutch, Electromagnetic. F. K. Brainard. 1,671,057; May 22.
 Clutch, Fluid. L. K. Heiner and W. M. Moore. 1,657,826; Jan. 31.
 Clutch for binders. A. B. Roe. 1,675,277; June 26.
 Clutch for drilling machines, Automatic positive-feed. D. C. Klausmeyer. 1,688,547; Oct. 23.
 Clutch for reversing mechanisms, Condensed. D. C. Klausmeyer. 1,685,638; Sept. 25.
 Clutch for three-speed draw works. E. Timbs. 1,667,175; Apr. 24.
 Clutch for transmitting rotary motion. W. C. Pitter. 1,664,320; Mar. 27.
 Clutch, Free-wheel. D. S. de Lavaud. 1,694,377; Dec. 11.
 Clutch, Friction. E. A. Beyl. 1,666,956; Apr. 24.
 Clutch, Friction. F. A. Nilsson. 1,672,577; June 5.
 Clutch, Friction. O. D. Treiber. 1,660,497; Feb. 28.
 Clutch, Friction. J. R. Voorhees. 1,678,026; July 24.
 Clutch, Hydraulic or vacuum. L. J. Root. 1,683,054; Sept. 4.
 Clutch, Intermittent ball. J. M. Dayton. 1,684,172; Sept. 11.
 Clutch mechanism. K. Berger. 1,675,086; June 26.
 Clutch mechanism. C. L. Coughlin. 1,686,682; Oct. 9.
 Clutch mechanism. F. G. Creed. 1,659,724; Feb. 21.
 Clutch mechanism. A. Dow. 1,665,409; Apr. 10.
 Clutch mechanism. H. L. Johnston. 1,669,006; May 8.
 Clutch mechanism. F. M. Lewis. 1,659,402; Feb. 14.
 Clutch mechanism. P. J. Lyback. 1,659,036; Feb. 14.
 Clutch mechanism. W. I. Wheeler. 1,695,355; Dec. 18.
 Clutch mechanism and control therefor. M. I. Bradley. 1,677,327; July 17.
 Clutch mechanism for bar machines. L. A. Frayer. 1,695,954; Dec. 18.
 Clutch mechanism for mining-machine trucks. M. P. Holmes. 1,670,154; May 15.
 Clutch mechanism for reversing gear. J. C. Carlton. 1,683,528; Sept. 4.
 Clutch mechanism, specially suitable for use in telegraphic apparatus. F. G. Creed. 1,682,889; Sept. 4.
 Clutch-operating device. F. K. Ward. 1,666,225; Apr. 17.
 Clutch-operating mechanism. J. P. Grundon. 1,671,717; May 29.
 Clutch-operating mechanism. J. J. N. Van Hamersveld. 1,657,098; Jan. 24.

- Clutch, Overrunning spring. A. Lieber. 1,686,455; Oct. 2.
Clutch-pedal control. C. M. Christensen. 1,669,970; May 15.
Clutch, Planetary reversible. F. E. Donald and C. P. Boyce. 1,665,159; Apr. 3.
Clutch plate. H. D. Church. 1,685,983; Oct. 2.
Clutch plate. D. E. Gamble. 1,659,289; Feb. 14.
Clutch, Positive. W. T. Carling. 1,677,705; July 17.
Clutch, Reversible. W. A. Cook. 1,661,467; Mar. 6.
Clutch-shifting mechanism for odometers. J. Zubaty. 1,690,356; Nov. 6.
Clutch, Sliding. A. Williams. 1,672,015; June 5.
Clutch, Spring friction. E. R. Holmes. 1,674,009; June 19.
Clutch transmission, Hydraulic. E. H. McKinney. 1,682,085; Aug. 28.
Clutch, Two-speed and reversing. T. Gensmer. 1,689,200; Oct. 30.
Clutch unit for change-speed gears, One-way. W. T. Carling. 1,672,673; June 5.
Clutch with tooth plates. H. S. Golden. 1,662,512; Mar. 13.
Clutches, Driven plate for friction. H. V. Reed. 1,674,225-6; June 19.
Clutches, Mechanism for operating winding-drum friction. R. H. Beaumont. 1,676,765; July 10.
Clutches provided with a centrifugal mass, Construction of automatic. M. J. J. Rigolage. 1,692,703; Nov. 20.
Clutching mechanism. A. M. Sosa and W. G. Hoelscher. 1,660,585; Feb. 28.
Clysterizing apparatus. C. W. Cheney. 1,672,709; June 5.
Coal. G. J. Esselen, jr., and M. W. Weiss. 1,688,695; Oct. 23.
Coal and its by-products, Process and apparatus for dry milling of. H. M. Sutton and W. L. and E. G. Steele. 1,679,922; Aug. 7.
Coal and similar carbonaceous substances, Apparatus for the distillation of. C. H. Parker. 1,689,152; Oct. 23.
Coal and the like, Method and apparatus for utilizing and burning anthracite dust. F. G. Breyer. 1,672,405; June 5.
Coal, Apparatus and process for utilizing. H. S. Reed. 1,696,731; Dec. 25.
Coal bag. W. K. Cromwell, jr. 1,677,583; July 17.
Coal-gas and oxygen burner. W. S. Barker. 1,686,508; Oct. 9.
Coal briquette and making it. G. A. Chapman and E. W. Wilkinson. 1,678,379; July 24.
Coal, Carbonization of. W. Runge. 1,669,023-4; May 8.
Coal cleaning. C. R. Downs and C. H. Strange. 1,656,270; Jan. 17.
Coal, Cleaning of. C. R. Downs and C. H. Strange. 1,656,271; Jan. 17.
Coal, Concentration of. W. W. Stenning. 1,655,849; Jan. 10.
Coal cutter and loader. C. B. Officer. 1,661,628; Mar. 6.
Coal-cutting machines, Safety device for. H. Ravinovitz. 1,659,923; Feb. 21.
Coal, Degasification of. N. Young. 1,664,723; Apr. 3.
Coal, Distilling. B. Zwillinger. 1,656,617; Jan. 17.
Coal, Distilling and liquefying. F. Bergius. 1,669,439; May 15.
Coal distribution system, Powdered-. A. J. Grindle. 1,669,084; May 8.
Coal feeder, Powdered-. W. M. Thomas. 1,658,401; Feb. 7.
Coal feeder, Powdered-. W. M. Thomas. 1,669,635; May 15.
Coal-loading and track-cleaning machine. H. H. Harrison, H. W. Allender, and R. L. Fout. 1,677,824; July 17.
Coal-loading plant. A. F. Case. 1,674,389; June 19.
Coal meter. J. M. Spitzglass. 1,686,351; Oct. 2.
Coal, Method and apparatus for mining. E. C. Morgan. 1,678,821; July 31.
Coal, Obtaining high-grade products from raw. F. L. Kuhlwein. 1,660,009; Feb. 21.
Coal-oil heater. J. B. Morrow. 1,654,990; Jan. 3.
Coal-pulverizing machine. R. Jackson. 1,682,377; Aug. 28.
Coal-saving shovel. L. A. Wechsler. 1,671,800; May 29.
Coal, Stable suspension and paste of. R. Griessbach and J. Eisele. 1,681,335; Aug. 21.
Coal, Treatment of fine. E. W. Wilkinson. 1,667,277; Apr. 24.
Coaster. R. C. Avril. 1,668,623; May 8.
Coaster. G. C. Elliott. 1,662,146; Mar. 13.
Coaster. C. R. Ring. 1,672,782; June 5.
Coaster, Gravity-operated. H. P. Schmeck. 1,669,347; May 8.
Coat. K. E. Burns. Des. 75,826; July 24.
Coat. K. E. Burns. Des. 76,522; Oct. 9.
Coat. K. E. Burns. Des. 76,663; Oct. 23.
Coat. E. Carney. Des. 76,981; Nov. 27.
Coat. A. A. Siegel. 1,686,577; Oct. 9.
Coat and hat rack, Combined. G. Peterson. 1,658,252; Feb. 7.
Coat and trousers hanger, Combined. R. E. Edmundson. 1,695,580; Dec. 18.
Coat sacker. R. T. Reinsperg. 1,657,179; Jan. 24.
Coat shield. W. Blumenthal. 1,664,449; Apr. 3.
Coat shoulder. H. J. Rosche, jr., and W. Schwartz. 1,674,572; June 19.
Coated materials, Conditioning. G. D. Harris. 1,682,752; Sept. 4.
Coating and impregnating medium. C. Ellis. 1,663,160; Mar. 20.
Coating apparatus. P. J. Barord. 1,682,823; Sept. 4.
Coating apparatus. T. Birkenmaier. 1,661,150; Feb. 28.
Coating apparatus. T. Birkenmaier. 1,662,042; Mar. 6.
Coating apparatus. C. Hunt. 1,673,826; June 19.
Coating article, Surface. C. M. Bigelow. 1,662,816; Mar. 20.
Coating articles, Apparatus for. C. M. Jamieson. 1,663,987; Mar. 27.
Coating candies, cakes, etc., Apparatus for. G. W. Rauschenberger. 1,686,174; Oct. 2.
Coating composition and making same. C. Ellis. 1,695,633; Dec. 18.
Coating composition and making the same. C. Coolidge and H. E. Eastlack. 1,663,119; Mar. 20.
Coating composition and making the same. C. M. A. Stine and C. Coolidge. 1,663,101; Mar. 20.
Coating composition containing rubber and drying oils and making same. C. M. Stine. 1,663,100; Mar. 20.
Coating cores. J. S. Little. 1,666,214; Apr. 17.
Coating for molds. A. J. Hess. 1,693,923; Dec. 4.
Coating for welding or cutting rods. J. B. Green. 1,663,004; Mar. 20.
Coating machine. L. B. Case. 1,695,319; Dec. 18.
Coating machine. J. W. Cosgrove. 1,656,346; Jan. 17.
Coating machine. T. B. Huestis. 1,688,632; Oct. 23.
Coating machine. C. L. Jones. 1,677,453; July 17.
Coating machine. F. M. La Chapelle. 1,683,680; Sept. 11.
Coating machine. H. O. Pohrt. 1,690,344; Nov. 6.
Coating machine. C. Wagner and A. Hormel. 1,672,842; June 5.
Coating machine. W. H. Waldron and L. B. Case. 1,686,426; Oct. 2.
Coating machines, Wiper for. L. C. Steele. 1,659,984; Feb. 21.
Coating manufactured products. A. W. Huseman and T. A. Leonard. 1,664,034; Mar. 27.
Coating metals. W. H. Legate. 1,662,008; Mar. 6.
Coating molds and product thereof. H. M. Williams. 1,662,354; Mar. 13.
Coating of pervious material. N. E. Oliver. 1,690,426-7; Nov. 6.
Coating to the inside of paint buckets, Method and apparatus for applying. F. W. A. Hallerman. 1,682,751; Sept. 4.
Coating wire fabric. J. W. Meaker. 1,689,792; Oct. 30.
Cock. R. A. Lincoln. 1,661,432; Mar. 6.
Cock and faucet. A. J. Weatherhead, jr. 1,674,076; June 19.
Cock and pipe holder, Angle-. L. A. Hoerr. 1,667,005; Apr. 24.
Cock and relief valve, Combined drain. H. S. Humphrey. 1,684,097; Sept. 11.
Cock and valve. E. P. J. and A. L. Niclausse. 1,664,043; Mar. 27.
Cock, Angle. M. Knab. 1,670,412; May 22.
Cock, Angle. B. Pratt. 1,696,283; Dec. 25.
Cock, Automatic safety angle. R. R. Supplee. 1,666,478; Apr. 17.
Cock, Ball. D. L. Butler. 1,691,224; Nov. 13.
Cock, Ball. L. R. Davidson and H. F. Rahl. 1,693,691; Dec. 4.
Cock, Booster-engine cylinder. F. R. Peters. 1,668,334; May 1.
Cock, Cylinder. A. Abbamonte. 1,661,915; Mar. 6.
Cock device, Angle-. C. C. Farmer. 1,681,580; Aug. 21.
Cock device, Angle-. C. C. Farmer. 1,689,233; Oct. 30.
Cock device, Angle-. C. C. Farmer and F. H. Thomas. 1,660,484; Feb. 28.
Cock device, Angle-. T. H. Thomas. 1,690,316; Nov. 6.
Cock for all liquids and gases, Closing and regulating. L. Ferrette. 1,691,602; Nov. 13.
Cock, Gas. F. L. Uhl. 1,663,427; Mar. 20.
Cock, Gauge. J. C. Shaffer. 1,661,973; Mar. 6.
Cock, Gauge. W. E. Shaffer. 1,660,629-30; Feb. 28.
Cock holder, Angle-. R. W. Burnett. 1,657,612; Jan. 31.
Cock holder, Angle-. F. K. Nabenicht. 1,666,896; Apr. 24.
Cock, Liquid-control. C. T. Ford. 1,690,005; Oct. 30.
Cock, Locomotive-cylinder. S. D. Work. 1,678,581; July 24.
Cock or valve, Drain. A. J. Weatherhead, jr. 1,678,927; July 31.
Cock, Plug. J. Lawson. 1,685,236; Sept. 25.
Cock, Safety. J. Patrierno. 1,669,305; May 8.
Cock, Self-closing basin. L. Bloch. 1,669,651; May 15.
Cock, Valve. J. Reid and G. R. Welch. 1,682,248; Aug. 28.
Cocks, Lock for service. M. M. Belote. 1,683,649; Sept. 11.
Cocoa powder and making same, Easily-soluble. H. Bollmann. 1,660,541; Feb. 28.
Code machine, Electric. E. H. Hebern. 1,683,072; Sept. 4.
Code-sending apparatus. L. J. Levy. 1,690,023; Oct. 30.
Code signaling system. M. L. Nelson. Re17,006; June 19.
Coding and decoding apparatus. F. R. Seaver. 1,679,380; Aug. 7.
Coding and decoding apparatus and code-changing device therefor. S. Hole. 1,684,028; Sept. 11.
Coding and decoding messages, Apparatus for. J. Grassi. 1,667,780; May 1.

- Coffee and other infusions, Apparatus for preparing. C. Urtis. 1,662,547; Mar. 13.
- Coffee, Apparatus for brewing. H. Strohbach. 1,658,579; Feb. 7.
- Coffee, Apparatus for treating. H. C. Gamble. 1,661,796; Mar. 6.
- Coffee aroma, Producing artificial. H. Staudinger and T. Beichstein. 1,696,419; Dec. 25.
- Coffee bin. J. M. Waters. 1,660,284; Feb. 21.
- Coffee-cutting machine. W. M. Williams. 1,682,454; Aug. 28.
- Coffee-cutting machines, Chaff-sealing device for. R. K. Gullberg. 1,667,856; May 1.
- Coffee infusion, Making a. R. L. Emerson. 1,674,857; June 26.
- Coffee leacher. L. Wertheimer. 1,690,763; Nov. 6.
- Coffee maker. C. E. Page. 1,666,070; Apr. 17.
- Coffee-making apparatus. B. W. Canright. 1,665,728; Apr. 10.
- Coffee-making apparatus. A. W. Meyer. 1,687,345; Oct. 9.
- Coffee-making device. J. D. Houck. 1,680,519; Aug. 14.
- Coffee-making device. C. T. Long. 1,683,786; Sept. 11.
- Coffee-making machine, Automatic. A. I. McAllen. 1,668,540; May 1.
- Coffee mill for two different grinding materials, Wall. O. Exsternbrink. 1,692,162; Nov. 20.
- Coffepot. G. L. Gessner. 1,663,162; Mar. 20.
- Coffepot. B. R. Herring. 1,655,014; Jan. 3.
- Coffepot. R. McMillan and M. R. Schall. 1,665,143; Apr. 3.
- Coffepot, Individual. C. V. Ryan. Des. 77,186; Dec. 11.
- Coffepot or similar article. R. J. Bourgeois. Des. 74,294; Jan. 24.
- Coffepot or similar article. S. G. Wilkes. Des. 74,849; Apr. 3.
- Coffee table. J. Terr. Des. 76,830; Nov. 6.
- Coffee urns, Combination sanitary automatic creamer attachment for. D. M. Clark. 1,671,405; May 29.
- Coil. F. Auty. 1,668,802; May 1.
- Coil. H. D. Currier. 1,666,120; Apr. 17.
- Coil. H. D. Currier. 1,693,837; Dec. 4.
- Coil. H. H. Ide. 1,672,889; June 12.
- Coil. H. C. and H. C. Nightingale. 1,658,138; Feb. 7.
- Coil and making the same. J. A. Victorcen. 1,674,934; June 26.
- Coil and selective control switch therefor, Inductance. G. R. Siegrist. 1,679,503; Aug. 7.
- Coil box and switch therefor. W. Hemingway, jr. 1,656,585; Jan. 17.
- Coil casing and switch therefor. W. Hemingway, jr. 1,669,334; May 8.
- Coil construction, Electric. M. Latour. 1,687,298; Oct. 9.
- Coil, Electric. D. B. Hill. 1,679,471; Aug. 7.
- Coil-handling apparatus. E. H. Carroll. 1,655,180; Jan. 3.
- Coil heater, Tank-car. C. I. Hummer. 1,1,685,131; Sept. 25.
- Coil, Heat-exchanging. E. I. Heinsohn. 1,689,435; Oct. 30.
- Coil, Inductance. T. H. Brennan. 1,665,947; Apr. 10.
- Coil, Inductance. E. R. Morton. 1,666,661; Apr. 17.
- Coil mounting. P. M. Hengstenberg. 1,680,415; Aug. 14.
- Coil mounting. R. Varley. 1,659,062; Feb. 14.
- Coil mounting, Adjustable. R. Varley. 1,662,765; Mar. 13.
- Coil or loop aerial, Closed tuned. G. W. Pickard. 1,679,095; July 31.
- Coil or voltage transformer for high voltages, Earthing choking. E. Paffner. 1,680,910; Aug. 14.
- Coil, Refrigerating. S. C. Bloom. 1,684,083; Sept. 11.
- Coil, Repeating. F. E. Field. 1,672,977; June 12.
- Coil, Sectional induction. W. H. Adams. 1,694,091; Dec. 4.
- Coil, Self-induction. K. von Wysiecki. 1,667,705; Apr. 24.
- Coil spreader. J. W. Pleasant. 1,658,300; Feb. 7.
- Coil-spreading device. A. W. Bjorkman. 1,680,847; Aug. 14.
- Coil system, Electrical. R. W. De Monte. 1,655,048; Jan. 3.
- Coil, Testing. M. E. Berlowitz. 1,695,679; Dec. 18.
- Coil, Variable electrical. J. T. Sattels. 1,673,886; June 19.
- Coil winding. I. H. Summers. 1,677,007; July 10.
- Coil-winding device. A. W. Bjorkman. 1,685,597; Sept. 25.
- Coil-winding machine. J. J. Higgins and M. A. Hoyt. 1,663,549; Mar. 27.
- Coil-winding means. A. J. Fathauer. 1,663,751; Mar. 27.
- Colier. L. W. Penney. 1,672,902; June 12.
- Coiling machine. T. W. Smith. 1,678,749; July 31.
- Coiling material and apparatus therefor. L. Johnson. 1,662,577; Mar. 13.
- Coiling mechanism. J. A. Sargent. 1,660,051; Feb. 21.
- Coils, Apparatus for testing. J. F. MacWilliams. 1,678,195; July 3.
- Coils for ice coolers, Twin. M. Stein and A. S. Levin. 1,660,141; Feb. 21.
- Coils from reels, Apparatus for stripping. F. E. Flynn. 1,660,608; Feb. 28.
- Coils, Manufacturing toroid. K. J. G. Ahlstrand. 1,656,933; Jan. 24.
- Coils of flexible material and coils and core members relating to same, Producing. R. M. Johnstone. 1,687,938; Oct. 16.
- Coin assorting and packaging machine. R. and A. S. Reid and F. H. Leonard. 1,673,709; June 12.
- Coin-assorting machine. E. J. Brandt. 1,668,626; May 8.
- Coin bank. E. H. Sandkuhl. 1,93,351; Nov. 27.
- Coin bank. J. F. Punzak. Des. 75,647; June 26.
- Coin box. H. K. Lorentzen. 1,685,219; Sept. 25.
- Coin card. G. Harmouth. 1,660,750; Feb. 28.
- Coin-carrier print protector. J. I. Van Vranken. 1,687,810; Oct. 16.
- Coin-changing machine. W. H. Russell. 1,665,566; Apr. 10.
- Coin control for automatic sound reproducers. G. W. Werner. 1,694,726; Dec. 11.
- Coin-control mechanism, Electric. A. M. Josepho. 1,658,167; Feb. 7.
- Coin-controlled device. G. B. Smith. 1,683,995; Sept. 11.
- Coin-controlled device. L. C. Wetzel. 1,656,459; Jan. 17.
- Coin-controlled dispenser. E. V. Statia. 1,657,418; Jan. 24.
- Coin-controlled lock. E. Nelson and G. F. Higgins. 1,668,727; May 8.
- Coin-controlled machine. A. W. Barnard. 1,691,631; Nov. 13.
- Coin-controlled mechanism. H. B. Hiltz. 1,677,893; July 24.
- Coin-controlled mechanism. C. Lea. 1,683,361; Sept. 4.
- Coin-controlling device. B. L. Fry. 1,668,894; May 8.
- Coin detector. J. E. Olvis. 1,658,299; Feb. 7.
- Coin-feeding mechanism. F. G. Murray. 1,664,310; Mar. 27.
- Coin-freed delivery mechanism. L. C. Bradley. 1,663,508; Mar. 20.
- Coin-freed mechanism. S. H. Varndell. 1,673,096; June 12.
- Coin-operative device. F. Q. Rast. 1,695,439; Dec. 18.
- Coin-paying machine. E. J. Brandt. 1,665,343; Apr. 10.
- Coin-propelling device for vending machines. G. P. Grant. 1,684,863; Sept. 18.
- Coin-return mechanism. O. D. Jennings. 1,659,878; Feb. 21.
- Coin segregator, Spurious. J. H. Mann, jr. 1,657,888; Jan. 31.
- Coin-selecting mechanism. C. J. Paulson. 1,676,914; July 10.
- Coin-trip mechanism for personal weighing scales. L. S. Shively. 1,695,066; Dec. 11.
- Coins, Apparatus for assorting. A. W. Svenson. 1,663,422; Mar. 20.
- Coke briquettes for metallurgical uses, Making synthetic carbonaceous. B. E. Crocker. 1,676,729; July 10.
- Coke, Dry cooling of. R. Wussow. 1,661,211; Mar. 6.
- Coke-extracting mechanism for vertical retorts for the distillation of carbonaceous materials. F. J. and E. West. 1,672,442; June 5.
- Coke from stills, Apparatus for removing. L. V. Robbins. 1,666,865; Apr. 17.
- Coke, Producing a hard low-temperature. K. Jahnke. 1,665,665; Apr. 10.
- Coke-pushing machine. E. Grasshoff. 1,674,007; June 19.
- Coke, Quenching. F. F. Marquard. 1,677,973; July 24.
- Coking process and product, Pitch. F. W. Sperr, jr. 1,694,800; Dec. 11.
- Collander strainer. A. G. Andrews. 1,688,846; Oct. 23.
- Cold-air connection. E. Gullion. 1,661,660; Mar. 6.
- Cold-rolled articles, Making. E. E. Slick. 1,684,643; Sept. 18.
- Collapsible bar. N. N. Brown. 1,676,073; July 3.
- Collapsible box. M. Feinberg. 1,671,020; May 22.
- Collapsible box. C. A. Fox. 1,672,251; June 5.
- Collapsible box. R. A. Gross. 1,690,109; Nov. 6.
- Collapsible box. E. E. Hale. 1,691,152; Nov. 13.
- Collapsible box. J. W. Martin. 1,669,139; May 8.
- Collapsible box. A. J. Vance. 1,658,954; Feb. 14.
- Collapsible box. H. B. Walter. 1,656,307; Jan. 17.
- Collapsible case. O. B. Hanson. 1,690,294; Nov. 6.
- Collapsible chair. W. C. Rastetter. 1,680,173; Aug. 7.
- Collapsible gate. H. W. Shonnard. 1,657,284; Jan. 24.
- Collapsible seat. C. E. Wolfermann. 1,656,931; Jan. 24.
- Collapsible table. F. M. Sanders. 1,662,684; Mar. 13.
- Collapsible tube. R. W. Johnson. 1,674,596; June 19.
- Collapsible tube. A. P. Wood. 1,666,402; Apr. 17.
- Collar. W. T. Craig. 1,674,889; June 26.
- Collar. G. F. Hogan. 1,660,165; Feb. 21.
- Collar. W. J. La Rose. 1,690,868; Nov. 6.
- Collar. M. Robbins. 1,691,856; Nov. 13.
- Collar. G. T. Sweetser. 1,695,474; Dec. 18.
- Collar. W. A. Tooke. 1,658,868; Feb. 14.
- Collar and cuff. F. W. Tully. 1,668,745; May 8.
- Collar and hame, Combination. J. D. McMurphy. 1,678,782; July 31.
- Collar and the like, Metallic. G. I. Goldwyn. 1,669,934; May 15.
- Collar, Animal. G. R. Branner. 1,688,261; Oct. 16.
- Collar attachment. C. Brenessel. 1,690,715; Nov. 6.
- Collar band. H. W. Potts. 1,696,450; Dec. 25.
- Collar construction. A. M. McKenzie. 1,674,869; June 26.
- Collar, Dog. C. A. Feters. 1,657,250; Jan. 24.
- Collar, Fold. H. E. Williams. 1,671,563; May 29.
- Collar, Fold-over. J. W. Hess. 1,655,765; Jan. 10.
- Collar, Garment. S. Cagan and W. S. Nead. 1,682,831; Sept. 4.
- Collar holder. L. E. Baer. Des. 75,818; July 24.
- Collar, Horse. J. M. Angel. 1,695,167; Dec. 11.

- Collar package. D. B. Becker. 1,677,511; July 17.
 Collar protector for hangers. E. L. O'Bryon. 1,657,806; Jan. 31.
 Collar, Soft. G. T. Sweetser. 1,677,504; July 17.
 Collar stud. B. Wood. 1,662,483; Mar. 13.
 Collars. Device used in the making of garment. N. J. Mangini. 1,681,189; Aug. 21.
 Collars to shirts, Attaching. J. Aleksandrowicz. 1,660,665; Feb. 28.
 Collection box. V. G. Matre. 1,662,432; Mar. 13.
 Collector ring. D. J. Conant. 1,695,884; Dec. 18.
 Collodion coating composition. W. H. Gardner. 1,682,957; Sept. 4.
 Colloid and preparing same, Protective. F. Heidberg. 1,658,289; Feb. 7.
 Colloid mill. A. Fraser. 1,696,083; Dec. 18.
 Colloid product. S. A. Neidich. 1,670,162; May 15.
 Colloids, Deoeculation of. W. O. Borchardt. 1,655,045; Jan. 3.
 Colonic mobile unit. R. W. Myres. 1,683,723; Sept. 11.
 Color-binding preparation. E. Schwarz. 1,692,389; Nov. 20.
 Color composition for vitreous enamel. H. V. Huber and T. M. Felton. 1,673,679; June 12.
 Color of liquids by reflected and transmitted light, Apparatus for comparing the. H. A. Ellis. 1,667,249; Apr. 24.
 Color plates, Preparing. F. Sass. 1,687,593; Oct. 16.
 Color projector, Mobile. L. A. Jones. 1,661,757; Mar. 6.
 Color to thinning agent in connection with intaglio printing machines, Adjusting the proportion of. O. Wilhelm. 1,678,091; July 24.
 Coloring foil. W. G. Golden. 1,662,574; Mar. 13.
 Coloring matters, Manufacture of isazoic. O. Knecht and H. Brüttsch. 1,676,562; July 10.
 Coloring matters, Production of anthraquinone. W. M. Murch. 1,692,854; Nov. 27.
 Coloring mineral matter. H. C. Fisher. 1,680,941; Aug. 14.
 Coloring the image on photographic plates, films, or the like. G. Wheeler. 1,693,500; Nov. 27.
 Coloring yarn on bobbins. J. S. Johnston. Re1,096; Oct. 2.
 Colors, Applying, blending, and setting. O. S. Marchworth. 1,676,739; July 10.
 Colors in fabrics, Toning. I. B. Funk. 1,659,598; Feb. 21.
 Colors, Method and apparatus for transferring. P. Yohns. 1,672,512; June 5.
 Colors, varnishes, and cements, Producing a binding medium for. J. Tengler. 1,660,851; Feb. 28.
 Colorimeter. R. E. Klett. 1,667,478; Apr. 24.
 Colostomy appliance. T. J. Le Cras. 1,656,328; Jan. 17.
 Colter for brush breakers, Rolling. A. A. Scarlett. 1,669,950; May 15.
 Column clamp. M. A. Eklof. 1,674,280; June 19.
 Column clamp. C. M. Markham. 1,692,675; Nov. 20.
 Column clamp. E. L. Soule. 1,683,929; Sept. 11.
 Column form. S. D. Butterworth. 1,670,338-9; May 22.
 Column support, Steering. W. S. Knudsen. 1,675,610; July 3.
 Columns, girders, beams, and the like for interlocking joints, Shaping. W. Wait. 1,688,950; Oct. 23.
 Comb. See—
 Currycomb. Pocket comb.
 Dressing comb. Reservoir comb.
 Finger-wave comb. Scalp comb.
 Fountain comb. Self-cleaning comb.
 Hair-bobbing comb. Water-wave comb.
 Hair-cutting comb. Waving comb.
 Liquid-treatment comb.
 Comb. F. L. Deden. 1,663,399; Mar. 20.
 Comb. H. H. Hutchings. 1,665,134; Apr. 3.
 Comb. G. W. Hydorn. 1,663,632; Mar. 27.
 Comb. E. Lind. 1,676,099; July 3.
 Comb. J. V. Vaughn. 1,663,468; Mar. 20.
 Comb and razor, Combined. M. Alland. 1,693,973; Dec. 4.
 Comb cleaner. J. Grasser. 1,662,418; Mar. 13.
 Comb-cleaning device. K. Wojtasiewicz. 1,668,580; May 8.
 Comb for long bobs. S. Calson. 1,679,895; Aug. 7.
 Comb in combing machines. J. W. Nasmith. 1,676,702; July 10.
 Comb slide, binder, or the like for ladies' hair. C. E. Stacey. 1,695,986; Dec. 18.
 Combers of the Heilmann type, Dabber for. C. Gegauß. 1,662,308; Mar. 13.
 Combination case. E. H. Balmforth. 1,659,588; Feb. 21.
 Combination case. I. M. Foster. 1,656,785; Jan. 17.
 Combination cap and eye shield. O. Gross. 1,696,198; Dec. 25.
 Combination clamp. O. C. Staples. 1,687,851; Oct. 16.
 Combination hanger. A. F. Ladwig. 1,676,737; July 10.
 Combination light. W. G. Berry, J. Klein, and C. Schmidt. 1,682,164; Aug. 28.
 Combination lock. H. Charlemagne. 1,673,441; June 12.
 Combination lock. H. C. Coy. 1,694,968; Dec. 11.
 Combination lock. A. Golder. 1,691,240; Nov. 13.
 Combination lock. S. D. Mott. 1,670,042; May 15.
 Combination lock. D. Robertl. 1,661,680; Mar. 6.
 Combination lock. L. Rouanet. 1,672,425; June 5.
 Combination lock. F. Soley. 1,665,990; Apr. 10.
 Combination lock. I. Trepanier. 1,662,943; Mar. 20.
 Combination switch. W. Kausling. 1,681,241; Aug. 21.
 Combination table. W. A. Snyder. 1,668,174; May 1.
 Combing and like machines, Waste-collecting device for. W. Hartley. 1,666,379; Apr. 17.
 Combing machine. F. L. Crockett. 1,671,101; May 29.
 Combing machine. J. W. Nasmith. 1,678,822; July 31.
 Combing machine, Circular. J. Southwell. 1,664,951; Apr. 3.
 Combing machine for textile fibers. J. W. Nasmith. 1,663,170; Mar. 20.
 Combing machines, Attachment for. A. P. Laflam. 1,690,983; Nov. 6.
 Combustible materials, Obtaining valuable products from. A. H. Pehrson. 1,667,217; Apr. 24.
 Combustion chamber, Radiating. A. E. Nash and J. S. Alcorn. 1,694,393; Dec. 11.
 Combustion control in steam-boiler furnaces. F. H. Linley. 1,695,431; Dec. 18.
 Combustion engine. J. Good. 1,695,186; Dec. 11.
 Combustion engine, Two-cycle supercharging. E. A. Sperry. 1,677,305; July 17.
 Combustion method and apparatus. V. Z. Caracristi. 1,665,344; Apr. 10.
 Combustion, Method and apparatus for the control of. F. H. Wilcox. 1,680,833; Aug. 14.
 Combustion system and safety device therefor. L. L. Scott. 1,655,742; Jan. 10.
 Combustion under pressure. E. Gates. 1,664,072; Mar. 27.
 Comestibles, Apparatus for handling. P. W. Petersen. 1,660,045; Feb. 21.
 Comfort cushion. C. Murphy. 1,676,962; July 10.
 Comfortable, Bed. R. H. Melcer. 1,687,580; Oct. 16.
 Commutator. R. C. Newhouse. 1,696,857; Dec. 25.
 Commode. M. Oppenheim. 1,690,793; Nov. 6.
 Commode, Collapsible. L. C. Ament and C. Hilscher. 1,663,966; Mar. 27.
 Commodity control. H. R. Brand. 1,682,827; Sept. 4.
 Communicating and switching system. E. H. Smythe. 1,678,203; July 24.
 Communication system. M. P. Hanson. 1,692,118; Nov. 20.
 Commutator. W. M. Anderson. 1,658,508; Feb. 7.
 Commutator. R. E. Bretz. 1,669,806; May 15.
 Commutator. G. Lewinnek. 1,672,685; June 5.
 Commutator and interrupter, Electric jet-wave. J. F. G. P. Hartmann. 1,664,031; Mar. 27.
 Commutator distributor for internal-combustion engines. R. H. Josephson. 1,682,525; Aug. 28.
 Commutator generator, Alternating-current shunt. J. Slepian. 1,673,598; June 12.
 Commutator motor, Alternating-current. D. M. Bliss. 1,683,601; Sept. 11.
 Commutator resurfacer. J. W. Becker. 1,660,316; Feb. 28.
 Commutator-riveting machine. L. E. Poole. 1,664,527; Apr. 3.
 Commutator segments and the like, Making. R. L. Wilcox. 1,690,917; Nov. 6.
 Commutators, Making. J. J. Carter. 1,693,997; Dec. 4.
 Commutators, Manufacture of. R. G. Jones. 1,676,442; July 10.
 Compact. A. F. Reilly. 1,669,489; May 15.
 Compact box. H. J. Gaess. 1,688,042; Oct. 16.
 Compact holder and ejector. W. G. Kendall. 1,664,301; Mar. 27.
 Compact-plate-holding ring. W. G. Kendall. 1,683,552; Sept. 4.
 Compact retainer. A. L. Gross. 1,670,720; May 22.
 Comparator. E. C. Zitkowski. 1,675,967; July 3.
 Comparator, Hydrogen-ion. A. Hyuga. 1,659,529; Feb. 14.
 Compartment can. A. A. Ruttan and F. A. Gillice. 1,672,839; June 5.
 Compass. E. Vion. 1,694,194; Dec. 4.
 Compass, Battleship. G. B. Crouse. 1,686,518; Oct. 9.
 Compass, Beam. H. A. Jung. 1,670,509; May 22.
 Compass, Beam. E. Lawrenz. 1,662,315; Mar. 13.
 Compass, Beam. F. Schwartz. 1,676,359; July 10.
 Compass bubble box. F. G. Senter. 1,668,425; May 1.
 Compass, Degree. A. G. Covell. 1,679,931; Aug. 7.
 Compass, Gyroscopic. W. R. Right. 1,686,524; Oct. 9.
 Compass, Gyroscopic. E. A. Sperry, Jr. 1,694,192; Dec. 4.
 Compass, Gyroscopic. H. L. Tanner. 1,687,955; Oct. 15.
 Compass having a lengthening device of legs, Drawing. K. Akashi. 1,680,194; Aug. 7.
 Compass indicator for automobiles, etc. O. P. Noisom. 1,665,715; Apr. 10.
 Compass, Inductor. P. R. Heyl and L. J. Briggs. 1,660,751; Feb. 28.
 Compass, Liquid-controlled gyroscopic. L. F. Corliss. 1,687,970; Oct. 16.
 Compass, Magnetic. C. H. Colvin. 1,679,764; Aug. 7.
 Compass, Stabilized gyroscopic. C. B. Mills. 1,679,438; Aug. 7.
 Compensated meter. A. G. Grier. 1,677,025; July 10.
 Compensating apparatus for pantographs. J. H. Larabee. 1,695,381; Dec. 18.
 Compensating device, Viscosity-. H. F. Schmidt. 1,673,953; June 19.
 Compensation for regulation. S. E. B. Söderberg. 1,666,270; Apr. 17.
 Compensator, Distortion. H. Nyquist. 1,675,460; July 3.
 Compensator, Electric. G. W. Pierce. 1,682,712; Aug. 28.
 Compensator for fluid-pressure governors, Viscosity. H. F. Schmidt. 1,673,954; June 19.
 Compensator, Press. J. C. Ledbetter. 1,680,891; Aug. 14.
 Compensator, Pulsation. P. J. Walsh. 1,669,958; May 15.

- Composing stick. W. C. Bignold. 1,693,105; Nov. 27.
 Composite board. J. D. Carter. 1,676,727; July 10.
 Composite character. J. F. Carroll. 1,660,254; Feb. 21.
 Composite product and making same. A. E. Merrill. 1,677,493; July 17.
 Composite roll. G. Baehr. 1,655,886; Jan. 10.
 Composite set. D. E. Branson and R. B. Shanck. 1,681,216; Aug. 21.
 Composite siding. B. C. Beckman. 1,674,630; June 26.
 Composition. H. L. Berger. 1,671,007; May 22.
 Composition and process of manufacture. F. J. Groten, jr. 1,655,388; Jan. 3.
 Composition, Antislip. O. W. Jarred. 1,672,813; June 5.
 Composition construction. W. K. Nelson. 1,671,995; June 5.
 Composition containing cellulose derivatives. J. G. Davidson. 1,693,746; Dec. 4.
 Composition, Foam-producing. E. M. A. Sthamer. 1,696,507; Dec. 25.
 Composition for joining strips of motion-picture films. O. W. Cook. 1,690,622; Nov. 6.
 Composition for treating fresh fruits and vegetables. H. G. Zellner. 1,696,704; Dec. 25.
 Composition for treating fruit. H. G. Zellner. 1,696,703; Dec. 25.
 Composition for tree treatment. H. and J. Renner. 1,661,577; Mar. 6.
 Composition of gum chicle, rubber, and an aqueous colloid. A. Biddle. 1,691,460; Nov. 13.
 Composition of matter. W. C. Adams. 1,654,628; Jan. 3.
 Composition of matter. D. C. Bruce. 1,685,981; Oct. 2.
 Composition of matter. A. C. James. 1,682,524; Aug. 28.
 Composition of matter. H. R. Ladislaus. 1,695,693; Dec. 18.
 Composition of matter. L. Williams. 1,662,625; Mar. 13.
 Composition of matter and making same. W. Schoeller and K. Schmidt. 1,656,239; Jan. 17.
 Composition of matter and mold made therefrom and method of casting pottery in the mold. J. D. Wiggin and M. M. Rammes. 1,690,708; Nov. 6.
 Composition of matter and producing the same. C. S. Cussen. 1,674,640; June 26.
 Composition of matter containing a cellulose derivative. H. M. Weber. 1,690,515; Nov. 6.
 Composition of matter for transfer designs. O. L. Davis. 1,688,117; Oct. 16.
 Composition of matter for use as a belt dressing. B. R. Phillips. 1,657,685; Jan. 31.
 Composition of matter for use in edging fabrics. T. Miller. 1,666,143; Apr. 17.
 Composition of matter. Novel. M. E. Delaney and L. T. Richardson. 1,655,942; Jan. 10.
 Composition material adapted to the plastic art. C. F. Chosa. 1,671,229-30; May 29.
 Composition to be used with antiknock compounds. W. Gaus. 1,666,693; Apr. 17.
 Compositions or preparations with cellulose derivatives, Manufacture of. H. Dreyfus. 1,661,169; Mar. 6.
 Compost, Spent-soil. R. H. Morris, 3d. 1,691,077; Nov. 13.
 Compound and making it, Base-exchange. H. J. Whenton. 1,694,155; Dec. 4.
 Compound. Battery electrolyte. L. R. Steele. 1,668,740; May 8.
 Compound, Complex antimony. H. Hahl. 1,688,964; Oct. 23.
 Compound for bread making. E. E. Lindsey. 1,690,688; Nov. 6.
 Compound for tempering tools and tool steel. J. F. Edwards. 1,696,297; Dec. 25.
 Compound, Softening. F. J. Pilgrim. 1,687,787; Oct. 16.
 Compound stock, Making. J. J. Dugan. 1,680,369; Aug. 14.
 Compound structure. E. Moccetti. 1,688,128; Oct. 16.
 Compounding ingredients of a chemical paint remover. O. L. Flugel. 1,676,642; July 10.
 Compounds and making same, Metallo mercapto. W. Schoeller and H. G. Allardt. 1,683,105; Sept. 4.
 Compounds of unsaturated hydrocarbons, Manufacture of addition. H. Walter. 1,669,384; May 8.
 Compounds, Reduction of aromatic nitro. P. Dieterle.
 Compresses for cotton bales, High-density attachment for. G. W. Langford, A. C. Barrows, and C. W. Good. 1,679,979; Aug. 7.
 Compressing air, Apparatus for. G. W. Gille. 1,659,290; Feb. 14.
 Compression and speed device, Variable. J. E. Harris. 1,691,284; Nov. 13.
 Compression rolls, Safety feeding device for. G. H. Maas. 1,660,678; Feb. 28.
 Compressional waves, System for the production of and detection of. J. H. Hammond, jr. 1,690,579; Nov. 6.
 Compressor. B. S. Alkman. 1,667,233; Apr. 24.
 Compressor. E. L. Barnes. 1,675,686; July 3.
 Compressor. E. L. Barnes. 1,696,564; Dec. 25.
 Compressor. B. Bischof. 1,672,148; June 5.
 Compressor. J. Braun. 1,664,733; Apr. 3.
 Compressor. J. O. Carrey. 1,686,899; Oct. 9.
 Compressor. W. Fourness. 1,696,673-4; Dec. 25.
 Compressor. L. B. Green. 1,675,546; July 3.
 Compressor. H. A. Greenwald. 1,661,661; Mar. 6.
 Compressor. H. B. Halvorsen. 1,692,268; Nov. 20.
 Compressor. C. L. Heisler. 1,683,182; Sept. 4.
 Compressor. M. F. Hill. 1,682,564; Aug. 28.
 Compressor. E. Kägi. 1,683,390; Sept. 4.
 Compressor. J. T. Lagergren. 1,659,603; Feb. 21.
 Compressor. G. I. Leonard. 1,672,571; June 5.
 Compressor. T. J. Little, jr. 1,661,433; Mar. 6.
 Compressor. J. O. McMillan. 1,686,569; Oct. 9.
 Compressor. R. J. Meyers and F. G. Hiebert. 1,654,893; Jan. 3.
 Compressor. C. F. Osgood. 1,692,269; Nov. 20.
 Compressor. J. R. Replogle. 1,691,305; Nov. 13.
 Compressor. J. H. Schreiber. 1,688,990; Oct. 23.
 Compressor. D. F. Smith. 1,695,721; Dec. 18.
 Compressor. C. C. Spreen. 1,688,884; Oct. 23.
 Compressor. C. Steenstrup. 1,693,323; Nov. 27.
 Compressor. G. L. Strebler. 1,689,179; Oct. 23.
 Compressor. J. R. Thomas. 1,692,395; Nov. 20.
 Compressor. C. B. Van Horn. 1,668,664; May 8.
 Compressor. J. F. Winkler. 1,661,148; Feb. 28.
 Compressor, Air. J. A. Davey, P. H. Davey, and C. L. Gaugler. Re16,872; Feb. 7.
 Compressor, Air. J. A. and P. H. Davy and C. L. Gaugler. 1,685,150; Sept. 25.
 Compressor, Air. T. A. Mathews. 1,675,457; July 3.
 Compressor, Air. J. R. Mitro. 1,679,226; July 31.
 Compressor, Air. W. J. Smith. 1,692,473; Nov. 20.
 Compressor, Air. H. P. Wollman. 1,677,539; July 17.
 Compressor and pump. C. H. Lusk. 1,676,789; July 10.
 Compressor and the like, Air. G. W. Gille. 1,673,191; June 12.
 Compressor-controlling mechanism. F. D. Holdsworth. 1,692,261; Nov. 20.
 Compressor-controlling mechanism. F. D. Holdsworth. 1,692,263; Nov. 20.
 Compressor-controlling mechanism. F. D. Holdsworth. 1,692,267; Nov. 20.
 Compressor-controlling mechanism. L. A. Maxson. 1,679,133; July 31.
 Compressor, Double-action lubricant. E. Piquerez. 1,682,932; Sept. 4.
 Compressor drive mechanism. A. J. West. 1,694,571; Dec. 11.
 Compressor, exhauster, and engine, Rotary. W. Reavell. 1,669,779; May 15.
 Compressor, Fluid. J. O. Carrey. 1,658,224; Feb. 7.
 Compressor, Fluid. E. A. Rix. 1,677,369; July 17.
 Compressor, Fluid-actuated. R. P. Pescara. 1,691,737; Nov. 13.
 Compressor for dental and other purposes, Air. J. E. Reid. 1,696,013; Dec. 18.
 Compressor for internal-combustion engines, Air. A. B. Streeter. 1,677,057; July 10.
 Compressor for refrigerating apparatus. D. Powell. 1,673,157; June 12.
 Compressor for refrigerating apparatus. M. E. Thompson. 1,688,903; Oct. 23.
 Compressor, Hinged. E. Ohnstrand. 1,695,257; Dec. 11.
 Compressor, Hydro air. W. S. Sullivan. 1,690,912; Nov. 6.
 Compressor, Isothermal air. R. E. Bruckner. 1,681,280; Aug. 21.
 Compressor, Leakproof. S. D. Dornbirer. 1,670,799; May 22.
 Compressor, Lubricant. E. W. Davis. 1,675,451; July 3.
 Compressor, Lubricant. E. W. Davis. 1,679,855; Aug. 7.
 Compressor, Lubricant. E. W. Davis. 1,684,946; Sept. 18.
 Compressor, Lubricant. E. W. Davis. 1,690,058; Oct. 30.
 Compressor, Lubricant. D. F. Fesler. 1,673,004; June 12.
 Compressor, Lubricant. D. F. Fesler. 1,675,452; July 3.
 Compressor, Lubricant. D. F. Fesler. 1,685,484; Sept. 25.
 Compressor, Lubricant. D. F. Fesler. 1,690,221; Nov. 6.
 Compressor, Lubricant. H. E. Hawkins. 1,672,980; June 12.
 Compressor, Lubricant. O. J. Herb. 1,695,588; Dec. 18.
 Compressor, Lubricant. E. F. Pierce. 1,675,424; July 3.
 Compressor, Lubricant. E. Piquerez. 1,694,624; Dec. 11.
 Compressor, Lubricant. J. N. Robin. 1,682,935; Sept. 4.
 Compressor lubricator. A. S. Osbourne. 1,655,772; Jan. 10.
 Compressor mechanism. F. D. Holdsworth. 1,662,793; Mar. 13.
 Compressor, Motor-driven. L. J. Clapp. 1,657,198; Jan. 24.
 Compressor, Motor-driven. F. D. Holdsworth. 1,657,199; Jan. 24.
 Compressor or motor, Rotary. L. Zajac. 1,675,524; July 3.
 Compressor, Piston-ring. I. A. Cunliff. 1,655,595; Jan. 10.
 Compressor plant, Portable. G. Rothmann. 1,693,183; Nov. 27.
 Compressor, Portable. F. D. Holdsworth. 1,668,718; May 8.
 Compressor-regulating apparatus. L. F. Hoffman. 1,659,689; Feb. 21.
 Compressor regulator. W. Raymond. 1,655,711; Jan. 10.
 Compressor regulator and unloader. C. W. Metzgar. 1,663,530; Mar. 20.
 Compressor, Ring. B. M. Coleman. 1,689,115; Oct. 23.
 Compressor roll. L. S. Hall. 1,679,571; Aug. 7.
 Compressor, Rotary. C. C. Farmer. 1,681,574; Aug. 21.
 Compressor, Rotary. M. F. Hill. 1,682,565; Aug. 28.
 Compressor, Rotary. R. Malbay. 1,660,563; Feb. 28.
 Compressor, Rotary. P. Schauer. 1,677,216; July 17.
 Compressor, Rotary. G. I. Stastny. 1,686,505; Oct. 2.
 Compressor, Rotary. H. Weber. 1,678,660; July 31.

- Compressor, Rotary. A. W. Whitcomb. 1,667,615; Apr. 24.
- Compressor structure. F. R. West. 1,693,010; Nov. 27.
- Compressor, Tidal hydraulic air. H. M. Knight. 1,690,787; Nov. 6.
- Compressor, Tide-operated air. T. C. Van Epps.
- Compressor, Tube. H. Gollomb. 1,695,280; Dec. 18.
- Compressor unit, Air-. A. B. Schlesinger. 1,685,616; Sept. 25.
- Compressor unloader. F. P. Livingston. 1,690,304; Nov. 6.
- Compressor-unloading device. S. G. Down. 1,663,687; Mar. 27.
- Compressor-unloading mechanism. C. F. Osgood. 1,692,262; Nov. 20.
- Compressor, Valve-spring. W. F. Housley and E. G. Townsend. 1,685,548; Sept. 25.
- Compressor, Valve-spring. A. Jones. 1,696,090; Dec. 18.
- Compressor, Variable-capacity. W. Goodman. 1,671,984; June 5.
- Compressors, Air receiver for. W. Prellwitz. 1,655,107; Jan. 3.
- Compressors and the like, Construction for. K. de Lony. 1,656,728; Jan. 17.
- Compressors, Control apparatus for. L. F. Hoffman. 1,685,781; Oct. 2.
- Compressors, Regulating mechanism for turbine-driven centrifugal. R. G. Standerwick. 1,655,683; Jan. 10.
- Compressors, Unloader device for. P. A. Ritter. 1,655,163; Jan. 3.
- Computation, Method and apparatus for. W. Koenig, jr. 1,678,674; July 31.
- Computing interest, Device for. T. B. Harper. 1,691,761; Nov. 13.
- Computing machine. G. Browning. 1,685,583; Sept. 25.
- Computing machine. W. T. Foulitz and J. M. Wood. 1,659,357; Feb. 14.
- Computing machine. F. A. Hart. 1,693,753; Dec. 4.
- Computing machine. H. L. Pitman. 1,684,515; Sept. 18.
- Computing machine. L. Thomas. 1,661,277; Mar. 6.
- Computing scale. T. Dantzig. 1,668,950; May 8.
- Computing underwear sizes, Device for. N. G. Meyers. 1,681,740; Aug. 21.
- Concentrates, Preparing flotation. H. J. Stehli. 1,673,891; June 19.
- Concentrating and amalgamating apparatus of the vertical type, Centrifugal. F. D. Lewis. 1,684,870; Sept. 18.
- Concentrating oxidized ores and minerals. F. A. Bird. 1,686,064; Oct. 2.
- Concentrating table. E. Deister. 1,685,986; Oct. 2.
- Concentrator. W. A. Huelsdonk. 1,679,035; July 31.
- Concentrator. A. H. Stebbins. 1,673,849; June 19.
- Concentrator. W. Young. 1,659,935; Feb. 21.
- Concentrator, Oil. I. L. Eastman. 1,662,963; Mar. 20.
- Concentrator table. A. H. Stebbins. 1,678,364; July 24.
- Concertina. F. S. Pitt-Taylor. 1,659,414; Feb. 14.
- Concrete and the like, Staining and hardening. R. B. Lammens. 1,666,423; Apr. 17.
- Concrete and transporting the same, Mixing. K. R. Schuster. Re17,082; Sept. 11.
- Concrete beam structures, Reinforcing means for. H. H. Lampert. 1,691,074; Nov. 13.
- Concrete-block machine. F. J. Straub. 1,671,326; May 29.
- Concrete-block machines, Attachment for. E. A. Long. 1,688,627; Oct. 23.
- Concrete-block mold. D. C. Smith. 1,690,462; Nov. 6.
- Concrete block or slab and making the same. F. W. Sampson. 1,682,687; Aug. 28.
- Concrete blocks, Method of and machine for handling molded. H. C. Parker. 1,688,650; Oct. 23.
- Concrete building block and making same. H. S. Palmer. 1,676,153; July 3.
- Concrete building blocks, Making. F. J. Straub. 1,682,359; 28.
- Concrete building walls, Apparatus for erecting reinforced. R. H. Aiken. 1,668,299; May 1.
- Concrete building with air space. P. P. Schmidt. 1,671,745; May 29.
- Concrete buildings, Apparatus for constructing. R. H. Aiken. 1,668,300; May 1.
- Concrete, Collapsible reinforcement for. K. H. Lovell. 1,659,035; Feb. 14.
- Concrete column. R. S. Ellis. 1,672,974; June 12.
- Concrete columns, Reinforcement for. A. A. Clement. 1,680,935; Aug. 14.
- Concrete construction. H. P. Hayden. 1,684,624; Sept. 18.
- Concrete construction, Anchoring element for. R. B. Mitchell. 1,666,840; Apr. 17.
- Concrete conveying and placing, Pneumatic. J. H. Fitzgerald. 1,658,046; Feb. 7.
- Concrete, Curing. D. Finley and W. L. Rhoades. 1,694,588; Dec. 11.
- Concrete, Curing. R. B. Gage. 1,672,380; June 5.
- Concrete, Device for use in leveling. M. Madsen. 1,668,858; May 8.
- Concrete distributors, Boom track for bucket. J. E. Bushnell. 1,694,372; Dec. 11.
- Concrete during curing, Preventing evaporation from. H. P. Hayden. 1,684,671; Sept. 18.
- Concrete-floor core. W. S. Haldeman. 1,665,542; Apr. 10.
- Concrete floors, Apparatus for molding. B. G. Danis. 1,670,243; May 15.
- Concrete form. P. M. Crawford. 1,675,749; July 3.
- Concrete form. J. N. Heltzel. 1,672,760; June 5.
- Concrete form. J. N. Heltzel. 1,682,008; Aug. 28.
- Concrete form. T. J. Senesac. 1,655,629; Jan. 10.
- Concrete form. T. J. Senesac. 1,696,694; Dec. 25.
- Concrete-form brace. P. Beghetti. 1,664,152; Mar. 27.
- Concrete-form clamp. J. C. Allman. 1,660,905; Feb. 28.
- Concrete-form clamp. H. Ford. 1,687,976-7; Oct. 16.
- Concrete-form clamp. R. G. and G. W. Mercer. 1,689,151; Oct. 23.
- Concrete-form construction or the like. C. I. Williams. 1,680,923; Aug. 14.
- Concrete form, molding a concrete wall, and wall. I. J. Kuert. 1,694,037; Dec. 4.
- Concrete former. J. A. Hintze. 1,680,542; Aug. 14.
- Concrete forms, Clamp for. L. A. Christy and G. E. Dolph. 1,656,420; Jan. 17.
- Concrete forms, Clip for. F. E. Kitsman. 1,659,031; Feb. 14.
- Concrete forms, Retaining means for. S. S. Colt. 1,682,740; Sept. 4.
- Concrete forms, Wire clamp for. R. T. Wales. 1,662,258; Mar. 13.
- Concrete hanger block. H. G. Carlson. 1,667,532-3; Apr. 24.
- Concrete, Implement for handling and working. G. R. Sahlstrom. 1,662,170; Mar. 13.
- Concrete lumber and other cementitious articles, Making. F. S. Crozier. 1,657,566; Jan. 31.
- Concrete lumber, Apparatus for making. F. S. Crozier. 1,655,725; Jan. 10.
- Concrete making. J. G. Ahlers. 1,656,903; Jan. 24.
- Concrete, Manufacture of reinforced. R. E. Dill. 1,684,663; Sept. 18.
- Concrete mixer. J. E. Bushnell. 1,677,813; July 17.
- Concrete mixer. A. Reuss. 1,680,339; Aug. 14.
- Concrete mixer. G. Routledge and A. O. Norling. 1,692,280; Nov. 20.
- Concrete mixer and conveyer. J. L. Stollings. 1,659,750; Feb. 21.
- Concrete-mixer drive means, Transit. C. L. Reynolds. 1,675,958; July 3.
- Concrete-mixer drive, Transit. H. P. Paris. 1,657,764; Jan. 31.
- Concrete mixer, Hopper. G. Jaeger. 1,692,374; Nov. 20.
- Concrete-mixer water control. O. C. Barrymore and R. A. Daddisman. 1,690,849; Nov. 6.
- Concrete mixers and distributors, Carriage for. J. C. Lukachovic and H. C. Peters. 1,689,143; Oct. 23.
- Concrete mixers, Cement loading, controlling, measuring, and mounting apparatus for. J. F. Robb. 1,665,565; Apr. 10.
- Concrete mixers, Discharge mechanism for. G. E. Webb. 1,665,517; Apr. 10.
- Concrete mixers, Safety drive means for transit. H. P. Paris. 1,657,763; Jan. 31.
- Concrete mixers, Valve-actuating mechanism for. A. A. McCree. 1,664,427; Apr. 3.
- Concrete mixers, Water-control mechanism for. G. E. Webb. 1,657,099; Jan. 24.
- Concrete mixers, Water-introducing means for. E. H. Lichtenberg and G. E. Webb. 1,665,314; Apr. 10.
- Concrete mixing and distributing machine. E. O. Hamren. 1,680,375; Aug. 14.
- Concrete-mixing and similar machines, water, power, and speed control mechanism for. C. F. Ball. 1,665,050; Apr. 3.
- Concrete-mixing machine. G. T. Allen. 1,668,185; May 1.
- Concrete-mixing machine. G. E. Webb. 1,665,519; Apr. 10.
- Concrete mixtures. J. D. Powell. 1,687,227; Oct. 9.
- Concrete-molding apparatus. W. Kleitz. 1,690,864; Nov. 6.
- Concrete-molding apparatus. E. S. Rhoads. 1,658,255; Feb. 7.
- Concrete pile. M. M. Upson. 1,688,064; Oct. 16.
- Concrete-pile follower and mounting the same. J. H. Small, jr. 1,683,108; Sept. 4.
- Concrete pipe and the like, Apparatus for curing. D. J. Milosevich. 1,657,022; Jan. 24.
- Concrete pipe, Method of and apparatus for forming. C. F. Buente. 1,684,858; Sept. 18.
- Concrete-pipe joint. H. F. Winkelmann. 1,663,666; May 8.
- Concrete pipe, Reinforced. J. D. Trammell. 1,666,799; Apr. 17.
- Concrete pipes, Expansion joint for. F. H. Sherrerd. 1,668,823; May 8.
- Concrete pipes, Method and apparatus for making. W. R. Hume. 1,672,941; June 12.
- Concrete plant-protectors, Mold for forming. J. H. Haley. 1,665,027; Apr. 3.
- Concrete poles, Apparatus for making. G. B. Heath. 1,658,922; Feb. 14.
- Concrete, Process of and materials for treating. N. C. Johnson. 1,691,721; Nov. 13.
- Concrete, Proportioning total water in. C. S. Johnson. 1,656,002; Jan. 10.
- Concrete reinforcement. F. M. Barton. 1,695,269; Dec. 18.
- Concrete reinforcement. J. M. Straub. 1,687,405; Oct. 9.
- Concrete-reinforcing member. F. N. Speller. 1,685,886; Oct. 2.

- Concrete-reinforcing members, Support for. J. E. Roughan. 1,672,852; June 5.
- Concrete, Reinforcing structure for. A. G. Johnson. 1,674,204; June 19.
- Concrete road finishers, Adjustable widening attachment for. F. Valerio. 1,662,257; Mar. 13.
- Concrete-road machine. E. G. Carr. 1,678,624; July 24.
- Concrete-road machine. E. G. Carr. 1,683,382; Sept. 4.
- Concrete screen for water wells. G. Austin. 1,674,084; June 19.
- Concrete shingle block for building walls. D. E. Welch. Des. 77,277; Dec. 18.
- Concrete slab, Armored reinforced-. J. A. Voskamp. 1,666,156; Apr. 17.
- Concrete slab, Armored reinforced-. J. A. Voskamp. 1,666,157; Apr. 17.
- Concrete slab, Reinforced-. B. C. Harloff. 1,682,726; Aug. 28.
- Concrete sleeper, Ferrocement reinforced. K. Fukagawa. 1,692,933; Nov. 27.
- Concrete-spreader mold. E. R. Bell. 1,675,443; July 3.
- Concrete-strength regulator. J. G. Ahlers. 1,656,904; Jan. 24.
- Concrete structure. R. S. Ellis. 1,658,433; Feb. 7.
- Concrete structure. R. S. Ellis. 1,686,738; Oct. 9.
- Concrete structures, Reinforcement for. R. C. Olmsted. 1,684,195; Sept. 11.
- Concrete supports, Metallic bonding for. W. Wait. 1,662,727; Mar. 13.
- Concrete surfaces, Constructing. H. G. Lykken. 1,679,535; Aug. 7.
- Concrete-tile-manufacturing machine. D. Neuvert. 1,666,606; Apr. 17.
- Concrete wall forms, spreader tie for. C. T. Whitescarver and G. Bendixen. 1,665,649; April 10.
- Concrete walls, Method of and apparatus for forming hollow. E. W. Marten. 1,694,826; Dec. 11.
- Concrete walls, Preventing leakage around stay wires of. C. A. Luck. 1,657,217; Jan. 24.
- Condensate-removing system. R. Bell-Irving and P. Sandwell. 1,681,344; Aug. 21.
- Condensation of urea and formaldehyde and the products thus obtained, Manufacture of products of. H. Barthélemy. 1,691,427; Nov. 13.
- Condensation preventer. L. L. Hassinger. 1,668,678; May 8.
- Condensation product and making same. P. W. Griffith. 1,658,597; Feb. 7.
- Condensation product and making the same. A. L. Brown. 1,680,408; Aug. 14.
- Condensation product and making the same. C. O. Terwilliger. 1,678,024; July 24.
- Condensation product from olefines and hydrocarbons of the naphthalene series and making the same. R. Michel. 1,667,214; Apr. 24.
- Condensation product of urea and formaldehyde and making same. A. Gams and G. Widmer. 1,676,543; July 10.
- Condensation products containing sulphur, Manufacture of. O. Spengler and A. Thurm. 1,682,434; Aug. 28.
- Condensation products from crude cresol and acetone, Producing. H. Jordan. 1,696,769; Dec. 25.
- Condensation products of phenols with aldehydes, Production of the. G. Petroff. 1,693,461; Nov. 27.
- Condensation products, Making flexible molded articles of. E. L. Aiken. 1,668,445; May 1.
- Condensation trap. D. S. Garcia. 1,662,185; Mar. 13.
- Condenser. A. Agronofsky. 1,657,188; Jan. 24.
- Condenser. M. H. Bennett. 1,695,479; Dec. 18.
- Condenser. A. G. Bogardus. 1,674,850; June 26.
- Condenser. E. A. Bohlman. 1,691,375; Nov. 13.
- Condenser. E. A. Bohlman. 1,693,588; Dec. 4.
- Condenser. G. H. Brown. 1,693,173; Nov. 27.
- Condenser. F. L. Bryant. 1,663,995; Mar. 27.
- Condenser. C. W. E. Clarke. 1,659,459; Feb. 14.
- Condenser. R. S. Curley. 1,677,173; July 17.
- Condenser. T. C. Deutschmann. 1,671,148; May 29.
- Condenser. J. O. Gargan. 1,673,005; June 12.
- Condenser. J. Le Gaucéar. 1,657,166; Jan. 24.
- Condenser. J. F. Grace. 1,662,186; Mar. 13.
- Condenser. S. A. Halls. 1,654,587; Jan. 3.
- Condenser. H. H. Ide. 1,686,814; Oct. 9.
- Condenser. E. A. Johnson. 1,684,227; Sept. 11.
- Condenser. E. A. Johnson. 1,684,959; Sept. 18.
- Condenser. J. Karmazin. 1,685,918; Oct. 2.
- Condenser. R. P. Leopold. 1,660,132; Feb. 21.
- Condenser. C. E. Lucke. 1,662,153; Mar. 13.
- Condenser. C. E. Lucke. 1,662,155; Mar. 13.
- Condenser. G. Merle, sr. 1,686,333-4; Oct. 2.
- Condenser. D. W. R. Morgan. 1,676,740; July 10.
- Condenser. D. W. R. Morgan. 1,683,393; Sept. 4.
- Condenser. D. W. R. Morgan. 1,690,747; Nov. 6.
- Condenser. E. M. Salerni. 1,680,641; Aug. 14.
- Condenser. F. B. Sando. 1,669,210; May 8.
- Condenser. T. Shipley. 1,686,935; Oct. 9.
- Condenser. J. H. Smith. 1,675,470; July 3.
- Condenser. J. H. Smith. 1,684,154; Sept. 11.
- Condenser. S. H. Smith. 1,667,058; Apr. 24.
- Condenser. E. J. Wiggins. 1,666,922; Apr. 24.
- Condenser, Adjustable. L. A. Hammarlund. 1,684,917; Sept. 18.
- Condenser, Adjustable electric. C. H. Thordarson. 1,677,935; July 24.
- Condenser, Ammonia. S. O. Lokey. 1,669,943; May 15.
- Condenser and adjusting same, Gang. E. S. Pridham and D. K. Lippincott. 1,693,286; Nov. 27.
- Condenser and indicating means, Electrical. H. F. Herman. 1,694,384; Dec. 11.
- Condenser and manufacture, Electric. G. E. Bliziotis. 1,682,031; Aug. 28.
- Condenser assembly control. H. H. Busse. 1,666,682; Apr. 17.
- Condenser attachment. G. E. Whiting. 1,659,755; Feb. 21.
- Condenser cage for intake manifolds. S. B. Harvey. 1,689,433; Oct. 30.
- Condenser, Detector. J. J. Aurynger. 1,679,341; Aug. 7.
- Condenser, Electric. O. Steiner. 1,680,702; Aug. 14.
- Condenser, Electrical. W. Dubilier. 1,671,519; May 29.
- Condenser, Electrical. W. Dubilier. 1,688,960-1; Oct. 23.
- Condenser, Electrical. L. Edenburg. 1,656,431; Jan. 17.
- Condenser, Electrical. P. E. Gilling. 1,690,674-5; Nov. 6.
- Condenser, Electrical. W. H. Goodman. 1,681,884; Aug. 21.
- Condenser, Electrical. A. Möhrle. 1,694,276; Dec. 4.
- Condenser, Electrical. E. B. Nowosielski. 1,695,778; Dec. 18.
- Condenser, Electrical. A. Nyman. 1,691,901; Nov. 13.
- Condenser, Electrical. G. W. Pickard. 1,655,022; Jan. 3.
- Condenser, Electrical. E. L. Powell. 1,671,996; June 5.
- Condenser, Electrical. W. H. Priess. 1,695,060; Dec. 11.
- Condenser, Electrical. A. L. Terry, jr. 1,682,811; Sept. 4.
- Condenser, Electrical. E. S. True. 1,676,417; July 10.
- Condenser, Electrical. E. H. Trump. 1,665,616; Apr. 10.
- Condenser, Electrical. H. R. Van Deventer. 1,691,911; Nov. 13.
- Condenser, Electrical. C. O. Vermillion. 1,668,617; May 8.
- Condenser, Electrical. A. J. Weiss. 1,688,478; Oct. 23.
- Condenser, Electrolytic. E. F. Andrews. 1,673,434; June 12.
- Condenser, Electrostatic. R. H. Hoyt. 1,684,491; Sept. 18.
- Condenser, Electrostatic. F. O. Johnson. 1,680,546; Aug. 14.
- Condenser, Electrostatic. J. F. Lindberg. 1,664,518; Apr. 3.
- Condenser, Fixed air. J. H. De Mott and J. D. Giovanni. 1,667,885; May 1.
- Condenser for automobile engine radiators. F. R. Perry. 1,676,045; July 3.
- Condenser for automobile radiators. S. K. Palmer. 1,688,829; Oct. 23.
- Condenser for grid leaks. R. E. Marbury. 1,671,478; May 29.
- Condenser for ice machines. G. I. Leonard. 1,679,430; Aug. 7.
- Condenser for motor-cooling systems. S. W. Rushmore. 1,662,440; Mar. 13.
- Condenser for radiator caps. A. W. Kewley. 1,654,887; Jan. 3.
- Condenser for refrigerating apparatus. T. F. Bainsford and T. C. Whitehead. 1,672,086; June 5.
- Condenser for refrigerating apparatus. J. O. Carrey. 1,691,180; Nov. 13.
- Condenser, High-tension electrical. G. W. Pickard. 1,696,895; Dec. 25.
- Condenser, Mercury. E. K. Peters. 1,672,499; June 5.
- Condenser mounting. W. B. Connolly. 1,685,563; Sept. 25.
- Condenser, Nonaqueous electrolytic. E. W. Engle. 1,672,714; June 5.
- Condenser plant, Heat-balance. J. H. Smith. 1,675,471; July 3.
- Condenser rack. H. I. Danziger. 1,666,044; Apr. 10.
- Condenser, Radiator. L. E. Hering. 1,668,769; May 8.
- Condenser, Radio vacuum-tube. P. E. Gilling. 1,690,676; Nov. 6.
- Condenser, resistance, variometer, and the like, Adjustable electrical. C. G. H. de Laval. 1,654,867; Jan. 3.
- Condenser, Rotary. A. Zenkner. 1,672,856; June 5.
- Condenser, Steam. N. E. Taylor. 1,655,112; Jan. 3.
- Condenser structure. H. E. Rice and R. C. Da Costa. 1,694,927; Dec. 11.
- Condenser, Surface. P. A. Bancel. 1,670,562; May 22.
- Condenser, Surface. A. Guinabat. Re17,094; Oct. 2.
- Condenser, Surface. H. C. Heaton. 1,660,163; Feb. 21.
- Condenser, Surface. D. W. R. Morgan. 1,675,472; July 3.
- Condenser-tube cleaner. E. H. Smith. 1,673,890; June 19.
- Condenser tubes, Treating brass. R. H. Conkle. W. F. Clay, and H. L. Weston. 1,660,597; Feb. 28.
- Condenser, Variable. W. Aull, jr. 1,692,607; Nov. 20.
- Condenser, Variable. H. E. Beck. 1,681,907; Aug. 21.
- Condenser, Variable. M. H. Bennett. 1,690,095; Nov. 6.
- Condenser, Variable. E. G. Danielson. 1,677,020; July 10.
- Condenser, Variable. J. A. Garcia. 1,655,784; Jan. 10.
- Condenser, Variable. H. H. Ide. 1,688,813; Oct. 23.
- Condenser, Variable. B. Q. Isler. 1,654,881; Jan. 3.
- Condenser, Variable. F. A. Koister. 1,683,558; Sept. 4.
- Condenser, Variable. G. Lombardi. 1,662,505; Mar. 13.
- Condenser, Variable. J. Lyons, jr. 1,684,964; Sept. 18.
- Condenser, Variable. J. G. Record. 1,657,135; Jan. 24.
- Condenser, Variable. H. H. Shoewell. 1,680,810; Aug. 14.
- Condenser, Variable. H. M. Specht. 1,667,748; May 1.

- Condenser, Variable. T. W. Sukumlyn. 1,673,213; June 12.
- Condenser, Variable. R. T. Williams. 1,678,840; July 31.
- Condenser, Variable air. A. D. Cardwell. 1,672,367; June 5.
- Condenser, Variable-capacity electrical. F. E. Bancroft. 1,676,002; July 3.
- Condenser, Variable electric. G. W. Heath. 1,686,378; Oct. 2.
- Condenser, Variable electrical. J. C. Barrett. 1,680,239; Aug. 7.
- Condensers, Processing of electrical. P. E. Edelman. 1,658,976; Feb. 14.
- Condensers, Stator-plate adjustment for variable. E. Ross. 1,655,109; Jan. 3.
- Condensing apparatus. C. E. Lucke. 1,662,154; Mar. 13.
- Condensing apparatus. H. M. Olbricht. 1,661,265; Mar. 6.
- Condiment holder. L. G. Galloway. 1,670,616; May 22.
- Condiment holder. H. F. Husted. 1,659,488; Feb. 14.
- Condiment holder. C. A. Plante. 1,671,163; May 29.
- Condiment holder. A. Steiner. 1,656,449; Jan. 17.
- Conditioning sheet articles and of and for applying minor members to sheet articles such as envelopes, for example, Method of and machine for. G. C. Snyder. 1,677,735; July 17.
- Conduction apparatus, Gaseous. C. G. Smith. 1,679,449; Aug. 7.
- Conductor, Electrical. F. F. Fowle. 1,691,869; Nov. 13.
- Conductor clamp. E. F. Leighton. 1,661,375; Mar. 6.
- Conductor for high-frequency work. M. Osnos and R. Kummich. 1,664,044; Mar. 27.
- Conductor for the transmission of electrical energy and producing the same. A. F. Bandur. 1,696,262; Dec. 25.
- Conductor for the transmission of electrical energy and producing the same. A. F. Bandur. 1,691,029; Nov. 13.
- Conductor for wireless telegraphy and winding apparatus therefor, Aerial. B. Rosenbaum. 1,682,421; Aug. 28.
- Conductor, Hollow. W. H. Bassett. Re17,156; Dec. 11.
- Conductor, Leading-in. S. Ruben. 1,692,998; Nov. 27.
- Conductor, Loaded. W. Fondiller. 1,672,979; June 12.
- Conductor loaded with wound-on conductors. U. Meyer. 1,674,912; June 26.
- Conductor-protecting means, Electrical. G. P. Edmonds. 1,675,408; July 3.
- Conductor, Signaling. W. E. Mougey. 1,690,201; Nov. 6.
- Conductor, Stranded sector-shaped. N. C. Davis. 1,692,767; Nov. 20.
- Conductor, Stringing. S. N. Tideman. 1,676,584; July 10.
- Conductor, suspension apparatus. J. R. Marshall. 1,669,719; May 15.
- Conductor terminals, Method of and apparatus for making. A. H. Adams. 1,672,866; June 12.
- Conductors used for signaling purposes, Manufacturing uniformly-loaded. E. Schürer. 1,673,208; June 12.
- Conduit and pulley support. Combination. R. H. Morris. 1,672,075; June 5.
- Conduit and switch support for gasoline serving stations, Unitary. R. H. Olley. 1,684,777; Sept. 18.
- Conduit attaching to outlet boxes. F. A. Godfrey. 1,659,094; Feb. 14.
- Conduit bender. A. J. Laing. 1,672,068; June 5.
- Conduit clamp. J. C. Boyton. 1,687,750; Oct. 16.
- Conduit connector. J. E. Hill. 1,684,826; Sept. 18.
- Conduit connection. C. C. Van Arsdale. 1,673,723; June 12.
- Conduit construction. E. P. Gray. 1,658,766; Feb. 7.
- Conduit construction for underground pipes. C. Gottwald. 1,681,731; Aug. 21.
- Conduit core, Collapsible. H. E. Lindas. 1,684,497; Sept. 18.
- Conduit coupling. F. M. Potter. 1,692,798; Nov. 20.
- Conduit-cover clamp. J. Manneschildt, jr. 1,661,840; Mar. 6.
- Conduit-end fitting. F. I. Johnson. 1,686,616; Oct. 9.
- Conduit fitting. J. C. Boyton and W. H. Doddridge. 1,669,447; May 15.
- Conduit fitting. R. P. Dunmire. 1,669,190; May 8.
- Conduit fitting. H. A. Selah. 1,683,418-16; Sept. 4.
- Conduit fitting. H. A. Selah. 1,691,255; Nov. 13.
- Conduit, Flexible tubular. R. P. Jacques. 1,695,263; Dec. 11.
- Conduit for electric conductors. O. A. Frederickson. 1,676,486; July 10.
- Conduit-grounding bushing. W. H. Vibber. 1,660,499; Feb. 28.
- Conduit mold. D. D. Tracy. 1,673,167; June 12.
- Conduit, Molding. T. E. Murray. 1,674,445; June 19.
- Conduit system, Gas-producer. H. M. Robertson. 1,680,840; Aug. 14.
- Conduit, Underground. H. W. Jewell. 1,679,427; Aug. 7.
- Conduits and device therefor, Controlling the flow of fluids in connected. J. C. Diehl. 1,664,596; Apr. 3.
- Conduits, Increasing the supporting strength of. A. Marston. 1,671,679; May 29.
- Conduits, Making zigzag. B. F. Safberg. 1,655,823; Jan. 10.
- Conduits, Manufacture of highest-pressure. J. Grossweischede and G. Reichenbecher. 1,685,402; Sept. 25.
- Cone. See—
Ice-cream cone.
- Cone belt shifter. N. E. GoodActive. 1,692,829; Nov. 27.
- Cone speaker. W. E. Gibbs. 1,683,178; Sept. 4.
- Cone-winding device. I. O. Napp. 1,673,580; June 12.
- Confection. L. Hasbrouck. Des. 76,540; Oct. 9.
- Confection. J. W. Trauger. 1,694,458; Dec. 11.
- Confection-coating machine. A. L. Bausman. 1,661,460; Mar. 6.
- Confection-coating machine. W. A. Moir. 1,687,947; Oct. 16.
- Confection-conveying machine. J. W. and F. W. Greer. 1,672,522; June 5.
- Confection-making machine. F. L. Borchert. 1,687,707; Oct. 16.
- Confection-making machine. M. Wolff. 1,687,702; Oct. 16.
- Confectionery apparatus. F. F. Pease. 1,679,371; Aug. 7.
- Confectionery-coating machine. J. Massarella. 1,688,149; Oct. 16.
- Confectionery containing an aromatic Liquid, Device for producing. C. Riebe. 1,682,146; Aug. 28.
- Confectionery, Device for dispowdering. C. Göpel. 1,694,590; Dec. 11.
- Confectionery machine. G. J. Armstrong. 1,667,763; May 1.
- Confectionery machine. I. J. Handlen. 1,660,380; Feb. 28.
- Confectionery machines, Delivery apparatus for. A. L. Bausman. 1,667,765; May 1.
- Confectionery, Manufacture of. W. E. Bamford. 1,694,576; Dec. 11.
- Connector. W. J. Adams, jr. 1,673,034; June 12.
- Connector. D. A. Bowen. 1,677,326; July 17.
- Connector. J. Clark. 1,688,176; Oct. 16.
- Connector. A. D. Keene. 1,657,507; Jan. 31.
- Connector. E. N. Lightfoot. 1,674,253; June 19.
- Connector. R. R. Macdonald. 1,667,485; Apr. 24.
- Connector. J. A. McKay. 1,654,660; Jan. 3.
- Connector. R. E. Powell. 1,667,702; Apr. 24.
- Connector. T. Repay. 1,655,662; Jan. 10.
- Connector. L. O. Smith. 1,677,734; July 17.
- Connector, Busline. S. B. Schenck. 1,658,945; Feb. 14.
- Connector, Circuit. H. A. Douglas. 1,677,933; July 31.
- Connector Electrical. J. E. Graham. 1,665,166; Apr. 3.
- Connector for electric circuits. H. C. Foster. 1,666,089; Apr. 17.
- Connector for electric conductors. P. R. Fortin. 1,657,253; Jan. 24.
- Connector for implements. Handle. H. Cave and H. H. Fitzgerald. 1,692,110; Nov. 20.
- Connector for incandescent lamps. G. F. Becker. 1,696,663; Dec. 25.
- Connector for mine cars and the like. J. F. O'Connor. 1,662,893; Mar. 20.
- Connector for sector-shaped conductors. A. B. Saurman. 1,685,437; Sept. 25.
- Connector for spring brakes. M. Harris. 1,682,786; Sept. 4.
- Connector for use in charging batteries. A. O. Codney. 1,671,407; May 29.
- Connector for wrist-watch strap, band, or bracelet. C. H. Kesterman. 1,696,577; Dec. 25.
- Connector, Ground. A. P. Fahnestock. 1,690,220; Nov. 6.
- Connector, Ground-wire. W. G. Milne. 1,679,677; Aug. 7.
- Connector, Plug. B. P. McKinley. 1,664,986; Apr. 3.
- Connector plug. T. C. Roberts. 1,668,606; May 8.
- Connector, Solderless. L. E. Hendee. 1,663,005; Mar. 20.
- Connector-switch circuits. J. Wicks. 1,675,312; June 26.
- Connector, Wire. B. Liebowitz. 1,675,857; July 3.
- Connecting and tightening device. J. R. Reyburn. 1,670,669; May 22.
- Connecting bar. W. Wright. 1,657,875; Jan. 31.
- Connecting device. H. P. Chandler. 1,662,055; Mar. 13.
- Connecting device. L. D. Gregg. 1,689,023; Oct. 23.
- Connecting device. A. W. Hebb. 1,678,467; July 24.
- Connecting link, Double-locking. W. G. Holley. 1,668,528; May 1.
- Connecting rod. H. N. Gundelach. 1,671,859; May 29.
- Connecting rod and its component bearings. A. C. and S. M. Sloan. 1,680,917; Aug. 14.
- Connecting rod, Articulated. G. D. Angle. 1,654,773; Jan. 3.
- Connecting rod, Rail. F. H. Lamb. 1,687,840; Oct. 16.
- Connecting rod, Self-adjusting. H. W. Bonney. 1,663,582; Mar. 27.
- Connecting rod, Sound-reproducer. D. R. Lovejoy. 1,673,574; June 12.
- Connecting rods, Lining up reamer for. J. Nelson. 1,659,495; Feb. 14.
- Connecting the operating members of vehicle rebound checks with vehicle parts. G. W. Elsey. 1,679,414; Aug. 7.
- Connection, Automatic arcless plug. O. Scheuermann. 1,686,347; Oct. 2.
- Connection, Detachable. E. C. Wamelink. 1,692,477; Nov. 20.
- Connection-box clamp. W. Goetzelman. 1,667,688; Apr. 24.
- Connection device. H. B. Jones. 1,691,072; Nov. 13.
- Connection for electrical conductors. A. Wichert. 1,693,359; Nov. 27.
- Connection for relatively movable members, Yielding. E. R. Gurney. Re17,146; Nov. 27.
- Connection, Pivotal. H. C. Harris. 1,696,201; Dec. 25.
- Conservation of meat, eggs, and other foodstuffs for lengthy periods under chilled conditions. A. R. McLeod. 1,673,694; June 12.

- Console bowl or similar article. R. E. McEldowney. Des. 76,699; Oct. 23.
- Console table. B. G. Blumenfeld. Des. 76,453; Oct. 2.
- Constant-level device. F. O. and T. M. Ball. 1,695,705; Dec. 18.
- Construction block, Concrete. C. L. Schaeffer. 1,659,962; Feb. 21.
- Construction frame. W. M. Goldsmith. 1,654,970; Jan. 3.
- Construction material. R. P. Perry. 1,657,585; Jan. 31.
- Contact apparatus, Liquid and gas. W. J. McGurty. 1,656,591; Jan. 17.
- Contact apparatus, Liquid and gas. F. H. Wagner. 1,669,638; May 15.
- Contact apparatus, Liquid and gas. F. H. Wagner. 1,669,795; May 15.
- Contact clamp. P. A. Sawyer. 1,670,009; May 15.
- Contact clip, Terminal. J. Sachs. 1,666,978; Apr. 24.
- Contact connector, Liquid. E. H. Gehm. 1,667,660; Apr. 24.
- Contact-connector shunt. R. L. Standcliff. 1,680,701; Aug. 14.
- Contact device. E. V. Sundt. 1,657,235; Jan. 24.
- Contact device, Electric. A. S. Moon. 1,674,604; June 19.
- Contact device for electrically-energized implements. M. W. McArdle. 1,694,715; Dec. 11.
- Contact finger. F. E. Case. 1,667,652; Apr. 24.
- Contact finger. O. P. Schuster. 1,686,643; Oct. 9.
- Contact for telephone switches, Bank. K. Böhme and K. Giese. 1,687,121; Oct. 9.
- Contact maker and interrupter. W. C. Brinton, jr. 1,683,444; Sept. 4.
- Contact mechanism for typewriter-key punches. W. W. Lasker and C. A. Mazger. 1,695,965; Dec. 18.
- Contact structure for electric switches. T. T. Greenwood. 1,696,301; Dec. 25.
- Contact switch, Mercury-. I. E. Smith. 1,667,056; Apr. 24.
- Contact tips, Making. W. W. Brown. Re17,108; Oct. 23.
- Contact tips, Making. W. W. Brown. 1,672,706; June 5.
- Contacting fluids with solids, Apparatus for. P. R. Gray. 1,688,012; Oct. 16.
- Contacting. T. S. Kemble. 1,690,414; Nov. 6.
- Contacting, Automatic make-and-break. H. W. Protzeller. 1,682,982; Sept. 4.
- Contractor, Oriented electrical. P. E. Edelman. 1,683,819; Sept. 11.
- Container. C. J. Aulbach. 1,671,097; May 29.
- Container. O. B. Case. 1,685,147; Sept. 25.
- Container. R. Cullinan. 1,694,584; Dec. 11.
- Container. C. L. Day. 1,670,024; May 15.
- Container. R. De Boer. 1,687,327; Oct. 9.
- Container. A. H. Dreux. 1,695,802; Dec. 18.
- Container. R. L. Feagles. 1,682,039; Aug. 28.
- Container. J. E. Fitzgerald. 1,669,512; May 15.
- Container. F. W. French. 1,681,287; Aug. 21.
- Container. C. E. Fuller. 1,679,328; July 31.
- Container. W. H. G. Geake. 1,656,477; Jan. 17.
- Container. E. E. Geisinger. 1,689,917; Oct. 30.
- Container. P. C. Goodrick. 1,670,719; May 22.
- Container. W. S. Grant. 1,678,726; July 31.
- Container. W. S. Grant. 1,688,703-4; Oct. 23.
- Container. H. O. Grimmeisen. 1,668,960; May 8.
- Container. A. C. Grunwald. 1,672,313; June 5.
- Container. H. L. Heiter. 1,662,857; Mar. 20.
- Container. S. W. Hodges. 1,662,422; Mar. 13.
- Container. J. M. Hothersall. 1,691,289; Nov. 13.
- Container. M. R. Kondolf. 1,690,824; Nov. 6.
- Container. O. M. Krems. 1,682,179; Aug. 28.
- Container. J. F. Lamb and F. W. Schade. 1,684,399; Sept. 18.
- Container. H. B. Lerner. 1,656,283; Jan. 17.
- Container. L. A. Lux. 1,665,711; Apr. 10.
- Container. F. W. Martin. 1,670,864; May 22.
- Container. A. Mauser. 1,664,985; Apr. 3.
- Container. F. J. MacDonald. 1,658,205; Feb. 7.
- Container. A. Meyer. 1,658,931; Feb. 14.
- Container. M. McLaughlin. 1,668,511; May 1.
- Container. A. E. Mullen. 1,667,215; Apr. 24.
- Container. W. C. Myers. 1,679,621; Aug. 7.
- Container. H. S. Neiman. 1,660,347; Feb. 28.
- Container. F. S. Oppenheim. 1,655,071; Jan. 3.
- Container. F. S. Oppenheim. 1,677,565; July 17.
- Container. F. S. Oppenheim. 1,682,410-11; Aug. 28.
- Container. F. S. Oppenheim. 1,691,736; Nov. 13.
- Container. A. Paulson and H. S. Riederer. 1,656,497; Jan. 17.
- Container. P. Pick. 1,693,251; Nov. 27.
- Container. P. Reeves. 1,690,178; Nov. 6.
- Container. G. C. Reid. 1,682,247; Aug. 28.
- Container. W. H. Richman. 1,669,881; May 15.
- Container. A. M. Scaife. 1,681,955; Aug. 28.
- Container. H. J. Schaffer. 1,693,819; Dec. 4.
- Container. F. A. Schwannecke. 1,678,960; July 31.
- Container. S. Schwartz. 1,679,273; July 31.
- Container. S. Schwartz. 1,682,427; Aug. 28.
- Container. H. Sebell. 1,666,221; Apr. 17.
- Container. F. J. Spiegler. 1,670,790; May 22.
- Container. C. Stollberg. 1,695,563; Dec. 18.
- Container. A. J. Storhow. 1,670,694; May 22.
- Container. E. N. Stroesser. 1,659,985; Feb. 21.
- Container. J. D. Thompson and V. Willoughby. 1,685,106; Sept. 25.
- Container. L. Turan. 1,665,238; Apr. 10.
- Container. A. Vischer, jr. 1,681,150; Aug. 14.
- Container. R. B. Whiteside. Des. 75,087; May 1.
- Container. A. H. T. Williams. 1,668,179; May 1.
- Container. J. M. Young. 1,665,577; Apr. 10.
- Container. J. M. Young. 1,684,722; Sept. 18.
- Container. J. M. Young. 1,689,612; Oct. 30.
- Container and cooler, Combination. J. I. Wohl. 1,681,076; Aug. 14.
- Container and dispenser, Cigarette. L. Pengilly. 1,674,987; June 26.
- Container and dispenser, Nail. O. Breithaupt. 1,683,328; Sept. 4.
- Container and dispenser, Perfume. E. S. Tipton. 1,686,188; Oct. 2.
- Container and display device. E. A. Lee. 1,667,482; Apr. 24.
- Container and facilitating the filling thereof, Flexible. C. F. Dawson. 1,668,053; May 1.
- Container and grease gun, Combination. W. H. G. Geake. 1,669,001; May 8.
- Container and grease gun, Combined. W. H. G. Geake. 1,659,912; Feb. 21.
- Container and heater, Food. W. G. Hayne. 1,683,889; Sept. 11.
- Container and making same. L. Stevens. 1,669,266; May 8.
- Container and making the same. A. M. Scaife. 1,685,246; Sept. 25.
- Container and manufacture. J. Berg. 1,682,030; Aug. 28.
- Container and manufacture thereof. A. L. Forsberg. 1,693,291; Nov. 27.
- Container and manufacturing same. M. Brandon. 1,669,691; May 15.
- Container and method of manufacture, Reinforced fibrous. R. E. Hall. 1,662,605; Mar. 13.
- Container and method of sealing. J. M. Driver. 1,661,884; Mar. 6.
- Container and mounting therefor. N. H. Van Sicklen, jr. 1,657,049; Jan. 24.
- Container and package for cigarettes, etc. J. Peterson. 1,667,870; May 1.
- Container and picture frame, Combination. H. A. Kretschmer. Des. 74,889; Apr. 10.
- Container and producing the same. R. G. Clyne. 1,678,330; July 24.
- Container and sealing means therefor. R. L. Parish. 1,656,228-9; Jan. 17.
- Container and sprayer, Combined liquid. G. B. Graf and F. E. Whitman. 1,680,983; Aug. 14.
- Container and support, Combined. C. W. Hall. 1,690,063; Oct. 30.
- Container and the like, Display and dispensing. A. J. Tanner. 1,679,923; Aug. 7.
- Container and toy stage, Combined. A. O. Ridgway and A. Fralick. 1,662,899; Mar. 20.
- Container and tray, Combination card. D. W. Duffield. 1,678,671; July 31.
- Container, Antifreeze. W. W. Ayre. 1,661,354; Mar. 6.
- Container for barbers' tools, Antiseptic. M. Fascetta. 1,676,012; July 3.
- Container, Barrel and like. A. Mauser. 1,673,010; June 12.
- Container, Beverage. C. M. Cordley. Des. 75,151; May 15.
- Container bogie. G. McCall and J. E. Reid. 1,693,700; Dec. 4.
- Container, Candy. L. M. Bier. 1,664,282; Mar. 27.
- Container, Candy. J. Paul and A. A. Miller. Des. 76,259; Sept. 4.
- Container-cap means. C. N. Peterson. 1,681,743; Aug. 21.
- Container, Carboy-shipping. O. Z. Brewer. 1,667,029; Apr. 24.
- Container, Cheese. C. Tanner. 1,673,926; June 19.
- Container, Cigarette. A. von Frankenberg. Des. 77,199; Dec. 11.
- Container, Cigarette. E. M. Friedman. 1,689,335; Oct. 30.
- Container-closing machine. D. M. Boothman. 1,659,546; Feb. 14.
- Container closure. R. H. Carpmael. 1,672,055; June 5.
- Container closure. W. H. Rose. 1,663,480; Mar. 20.
- Container closure. W. H. Rose. 1,664,995; Apr. 3.
- Container-closure device. L. J. Russell. 1,668,088; May 1.
- Container-closure disk and the production and application thereof. W. L. Wright. 1,657,950; Jan. 31.
- Container, Collapsible. H. O. Elkins. 1,663,649; Mar. 27.
- Container, Combination packing and display. M. M. Einson. 1,685,125; Sept. 25.
- Container, Combination petrol and oil or like. E. Spears. 1,655,342; Jan. 3.
- Container, Compact. F. B. Miller. 1,689,359; Oct. 30.
- Container construction. H. A. Inman. 1,682,129; Aug. 28.
- Container, Cosmetic. J. L. Younghusband. 1,667,919; May 1.
- Container cover. H. A. Selah. 1,661,199; Mar. 6.
- Container-cover construction. H. A. Selah. 1,682,194; Aug. 28.
- Container, Dental acid. W. B. Jackman. 1,664,419; Apr. 3.
- Container, Dispensing. A. E. Kunz. 1,684,495; Sept. 18.
- Container, Dispensing. S. A. Merrin. 1,684,188; Sept. 11.
- Container, Dispensing. J. B. Ohlson. 1,661,441; Mar. 6.

- Container, Dispensing. A. Spiliotakaras and F. L. Taylor. 1,676,224; July 3.
- Container, Dispensing. H. S. Stout. 1,691,861; Nov. 13.
- Container, Dispensing. H. H. Wilhelm. 1,685,183; Sept. 25.
- Container, Display. E. W. Fehrenkamp. 1,667,376; Apr. 24.
- Container, Display. J. F. Gage, jr. 1,673,112; June 12.
- Container, Display. G. W. Hardee. 1,662,744; Mar. 13.
- Container, Display. A. MacDougall. 1,660,876; Feb. 28.
- Container, Display. G. E. Parmenter. 1,676,917; July 10.
- Container, Display. E. M. Pitts. 1,677,654; July 17.
- Container, Display. J. J. Ryan and J. Gaffney. 1,654,556; Jan. 8.
- Container, Display. J. J. Ryan and J. Gaffney. 1,680,028; Aug. 7.
- Container, Display. S. I. Sheehy. 1,673,535; June 12.
- Container, Display. A. J. Tanner. 1,680,309; Aug. 14.
- Container, Display and dispensing. E. Messer. 1,680,335; Aug. 14.
- Container, Double shipping. J. E. Fitzgerald. 1,669,511; May 15.
- Container, Dustless ash. W. Ditsch and F. O. Davis. 1,679,856; Aug. 7.
- Container, Face-powder. G. B. Dennis. 1,670,881; May 22.
- Container, Filling. W. A. Snow. 1,683,996; Sept. 11.
- Container filler, Ice-cream-. C. G. Johnston. 1,679,609; Aug. 7.
- Container, Food. R. Schoepke. 1,671,746; May 29.
- Container for airships, Gas. W. E. Doerr and E. A. Lehmann. 1,679,564; Aug. 7.
- Container for annealing and similar purposes. J. B. Green. 1,684,391; Sept. 18.
- Container for a vacuum flask or the like. J. Cohen. Des. 76,853; Nov. 13.
- Container for cabinet refrigerators, Ice. J. E. Gloekler. 1,687,440; Oct. 9.
- Container for collapsible tubes. J. Lesquendieu. 1,680,462; Aug. 14.
- Container for cooling bottled liquids. F. N. Henkel. 1,692,738; Nov. 20.
- Container for cosmetics. A. Wilks and E. Scheier. 1,665,077; Apr. 3.
- Container for dental impression outfits. G. Robinet. 1,677,360; July 17.
- Container for dining-table ware, Sanitary dispensing. W. R. Gruber. 1,693,231; Nov. 27.
- Container for disinfectants. R. E. Naumburg. 1,683,792; Sept. 11.
- Container for extracting apparatus. J. F. Sanftleben. 1,683,102; Sept. 4.
- Container for food products. F. E. Bickford. 1,684,938; Sept. 18.
- Container for fused-bifocal-lens blanks. W. C. Gamble. 1,691,925; Nov. 20.
- Container for granular depolarizers and making the same. G. A. Lyon, R. W. Erwin, and G. W. Heise. 1,670,585; May 22.
- Container for grease guns, Lubricant. S. K. Wellman and A. A. Gould. 1,680,269; Aug. 7.
- Container for leads. C. J. Johnson. 1,678,642; July 31.
- Container for liquids. J. W. McConnon. 1,679,984; Aug. 7.
- Container for lubricants. H. O. Preston. 1,695,976; Dec. 18.
- Container for mechanical refrigerators, Sharp-freezing. L. G. Copeman. 1,675,599; July 3.
- Container for oil cans. L. Sliker. 1,673,165; June 12.
- Container for parcel-post packages, Collapsible shipping. G. R. Meyercord and C. B. Norris. 1,658,387; Feb. 7.
- Container for pencils and other articles, Mailing. C. F. Elmore. 1,679,897; Aug. 7.
- Container for plastic material. A. H. Trotter. 1,690,654; Nov. 6.
- Container for power refrigeration. L. G. Copeman. 1,671,761; May 29.
- Container for preserving foods. C. W. Neusbaum. 1,657,272; Jan. 24.
- Container for separating slotted cards. G. H. Hallett, jr. 1,662,669; Mar. 13.
- Container for storing and shipping. F. L. Randall. 1,672,904; June 12.
- Container for testing devices. L. P. Jackson. 1,684,769; Sept. 18.
- Container for tire carriers, Tool. P. S. Whiting. 1,694,634; Dec. 11.
- Container for toilets, Auxillary. W. M. Bell. 1,683,754; Sept. 11.
- Container for treating meats, Openwork. F. Briggs. 1,676,816; July 10.
- Container for vehicles, Removable. D. W. Perin. 1,695,929; Dec. 18.
- Container, Fountain-pen. C. J. Funk. 1,655,264; Jan. 3.
- Container, Fruit. H. M. Beckman. 1,660,410; Feb. 28.
- Container, Fuse. R. S. Bennett. Des. 75,769; July 17.
- Container, Fuse. R. S. Bennett. Des. 75,823; July 24.
- Container, Garment. G. Wordingham. 1,666,434; Apr. 17.
- Container, Glass thread. C. Hammer. 1,676,023; July 3.
- Container, Grease-gun grease. S. A. Steen. 1,677,603; July 17.
- Container having body with renitent neck and making same, Paper-. A. Moore. 1,685,370; Sept. 25.
- Container, Ice-cream. K. L. Wilson. 1,693,420; Nov. 27.
- Container, Ice-cream-brick. C. B. Telling. 1,665,681; Apr. 10.
- Container, Insulated. S. K. Jensen. 1,665,033; Apr. 3.
- Container, Insulating shipping. G. B. Beaman. 1,691,178; Nov. 13.
- Container, Key. D. Settle. 1,679,274; July 31.
- Container, Knockdown. F. J. Adler. 1,686,222; Oct. 2.
- Container, Lip-stick. H. W. Wild. 1,695,625; Dec. 18.
- Container, Liquid. L. O. Buist. 1,665,770; Apr. 10.
- Container, Loose-leaf. S. S. Reese. 1,695,441; Dec. 18.
- Container, Medical-tablet. B. F. Conner. 1,680,130; Aug. 7.
- Container, Metal. A. J. Chamberlain. 1,667,284; Apr. 24.
- Container, Metal. W. W. Hodgson. 1,666,702; Apr. 17.
- Container, Metal. A. Schroeder. 1,684,891; Sept. 18.
- Container, Metal. J. P. Senz. 1,663,570; Mar. 27.
- Container, Metallic. J. A. Jensen. 1,677,100; July 10.
- Container, Milk-bottle. T. L. Cavalli. 1,693,434; Nov. 27.
- Container, Liquid. A. G. O'Neill. 1,690,035; Oct. 30.
- Container, Liquid-dispensing. G. J. Armstrong. 1,694,304; Dec. 4.
- Container, Metal. W. W. Hodgson. 1,695,100; Dec. 11.
- Container, Metal shipping. J. J. Cain. 1,685,905; Oct. 2.
- Container or box. L. A. Lupien. 1,667,354; Apr. 24.
- Container or box, Dispensing and display. A. J. Tanner. 1,678,538; July 24.
- Container or similar article, Bottle. C. L. Pfeiffer. Des. 75,980; Aug. 7.
- Container or similar article, Display. G. R. Webber. Des. 75,992; Aug. 7.
- Container or wrapper. G. P. Mallory. 1,687,678; Oct. 16.
- Container, Packing. M. Froedevaux. 1,689,018; Oct. 23.
- Container, Paper. A. Moore. 1,662,277; Mar. 13.
- Container, Paper. J. G. Norton. 1,685,138; Sept. 25.
- Container, Plant. J. T. Fewkes. 1,689,017; Oct. 23.
- Container, Pluricelled. H. A. Feigelman. 1,682,838; Sept. 4.
- Container, Portable. E. W. Bonfield. 1,668,800; May 8.
- Container, Portable garbage. C. D. Lyon. 1,671,832; May 29.
- Container, Pouring-spout. J. J. Thomas. 1,685,383; Sept. 25.
- Container, Refrigerant. G. J. Gruendler. 1,676,494; July 10.
- Container, Refrigerant. G. J. Gruendler. 1,690,406; Nov. 6.
- Container, Refuse. J. H. Stean. 1,680,957; Aug. 14.
- Container, Rolling. D. W. Perin. 1,695,928; Dec. 18.
- Container, Rotary. A. J. Weichsel. 1,676,756; July 10.
- Container, Safety money. W. F. and A. E. Clegg. 1,696,522; Dec. 25.
- Container, Salt. S. A. Cooney. 1,667,882; May 1.
- Container, Sanitary. G. K. Bainbridge and S. W. Reynolds. 1,660,906; Feb. 28.
- Container, Sanitary butter-knife. J. Horan. 1,682,571; Aug. 28.
- Container, Sanitary milk-bottle. S. J. Bailey. 1,681,080; Aug. 14.
- Container, Sanitary milk-bottle. J. M. Rood and W. Driver. 1,662,399; Mar. 13.
- Container, Sealed friction-top metal. J. C. Taliaferro and J. Coyle. 1,655,111; Jan. 3.
- Container, Sealed metal. E. G. Mason. 1,672,722; June 5.
- Container, Sealed sanitary. E. O. Tinsley. 1,673,426; June 12.
- Container, Sectional car. R. T. Romine. 1,688,437; Oct. 23.
- Container, Sheet-metal. J. Lee and C. Pearson. 1,685,367; Sept. 25.
- Container, Sheet-metal. W. F. Schweigert. 1,682,096; Aug. 28.
- Container, Silverware. F. Sternthal. 1,673,602; June 12.
- Container, Silverware. F. Sternthal. 1,679,101; July 31.
- Container, Storage-battery. A. K. Brumbaugh. 1,678,033; July 24.
- Container such as barrel, drum, or the like. A. Mauser. 1,683,788; Sept. 11.
- Container such as cans or boxes of any shape, Sanitary preserving food. H. Karl. 1,691,394; Nov. 13.
- Container, Tin and like. D. Owen. 1,664,181; Mar. 27.
- Container, Tobacco. S. W. Denny. 1,659,392; Feb. 14.
- Container, Toothbrush. H. C. Frayer. 1,683,876; Oct. 2.
- Container, Valve-equipped. O. J. Parks. 1,691,670; Nov. 13.
- Container, Water and grease proof. H. L. Carpenter. 1,656,095; Jan. 10.
- Container, Waterproof. W. A. Ramsey. 1,684,289; Sept. 11.
- Container, Waxed-paper. E. C. Bogren. 1,657,737; Jan. 31.
- Container, Welded sheet-metal. H. H. Gary. 1,680,535; Aug. 14.
- Container with cover-lifting auxiliaries. C. J. I. Devlin. 1,690,479; Nov. 6.
- Container with preserving, flavoring, and condiment liquids, Filling. P. Cutler. 1,683,241; Sept. 4.
- Containers alternately, Filling two. J. Lawson. 1,681,588; Aug. 21.
- Containers and packing the same, Stack of nested. P. T. Potts. 1,682,933; Sept. 4.

- Containers, Apparatus for cleaning. D. A. Dougherty. 1,657,072; Jan. 24.
- Containers, Apparatus for manufacturing. C. R. Robinson. 1,694,627; Dec. 11.
- Containers, Carrier or support for ice-cream. C. V. Fulton and M. P. Daymond. 1,673,869; June 19.
- Containers, Closure for. H. Batchelor. 1,659,186; Feb. 14.
- Containers, Closure means for metallic. W. C. Grosser. 1,673,240; June 12.
- Containers, Cover for liquid. C. B. Herzinger. 1,669,469; May 15.
- Containers, Device for handling. W. L. Gibson. 1,683,772; Sept. 11.
- Containers, Display device for rectangular. P. R. Learned. 1,659,777; Feb. 21.
- Containers, Double corner and lock for. E. O. Tinsley. 1,667,017; Apr. 24.
- Containers, feeding mechanism for. W. H. G. Geake. 1,656,478; Jan. 17.
- Containers for cakes, etc., Making. G. W. Gwinn. 1,675,652; July 3.
- Containers for compressed gases, Manufacture of. H. E. Stürcke. 1,692,521; Nov. 20.
- Containers for indicating level of liquid contents therein, Attachment for bulk. H. W. Ainsworth, A. C. Likely, and L. Boardman. 1,658,625; Feb. 7.
- Containers, Handle for. H. W. Russell. 1,658,174; Feb. 7.
- Containers, Hermetic closure for cans, boxes, jars, bottles, and the like. G. H. Bennett. 1,675,152; June 26.
- Containers, Making. R. G. Clyne. 1,663,542; Mar. 27.
- Containers, Measuring and dispensing means for. J. Rogginger. 1,658,257; Feb. 7.
- Containers, Measuring scale for transparent liquid. C. L. Merriman. 1,662,533; Mar. 13.
- Containers, Method and apparatus for making fibrous. J. E. Ansen. 1,666,767; Apr. 17.
- Containers or capsules, Manufacture of. R. H. Campbell. 1,686,405; Oct. 2.
- Containers, Partition for. A. G. Smith. 1,684,458; Sept. 18.
- Containers, Pouring spout for. H. M. Nicholls. 1,660,654; Feb. 28.
- Containers, Process and apparatus for forming grease-proof fiber. D. G. Magill. 1,689,593; Oct. 30.
- Containers, Removing compressed matter from. P. T. Hänel. 1,660,160; Feb. 21.
- Containers, Replacing members in. J. F. Wait. 1,654,953; Jan. 3.
- Containers, Top for. R. L. Feagles. 1,670,885; May 22.
- Containers, Treatment of. F. Franz. 1,675,541; July 3.
- Continuous furnace. J. B. Tytus. 1,696,822; Dec. 25.
- Continuous press. E. T. Meakin. 1,662,531; Mar. 13.
- Contour of subterranean strata, Method and apparatus for determining the. B. McCollum. 1,672,495; June 5.
- Contouring tracer. J. C. and R. D. Shaw. 1,668,518; May 1.
- Contracting brake, External. H. A. Schwager. 1,679,991; Aug. 7.
- Contraction joint, Expansion-. A. C. Fischer. 1,655,835; Jan. 10.
- Contrapropeller, Removable. O. Overguard. 1,676,409; July 10.
- Contrivance for fastening woodwork. B. S. Andersin. 1,663,580; Mar. 27.
- Control and indicating system, Remote. L. M. Potts. 1,689,294; Oct. 30.
- Control and timing device, Form-roller. R. C. Pickett and H. W. Thompson. 1,685,033; Sept. 18.
- Control apparatus. E. W. Allen. 1,654,956; Jan. 3.
- Control apparatus. B. O. Austin. 1,682,466; Aug. 28.
- Control apparatus. A. C. Connell. 1,680,765; Aug. 14.
- Control apparatus. K. A. De Tar. 1,680,732; Aug. 14.
- Control apparatus. A. J. Hall and P. L. Mardis. 1,678,857; July 31.
- Control apparatus. L. G. Riley. 1,686,033; Oct. 2.
- Control apparatus. K. A. Simmon. 1,680,394; Aug. 14.
- Control apparatus. W. H. Smith. 1,682,432; Aug. 28.
- Control apparatus. H. W. Williams and D. G. Boozer. 1,693,631; Dec. 4.
- Control apparatus, Automatic train-. M. T. Wintsch. 1,685,894; Oct. 2.
- Control apparatus, Dual-. J. T. Hickman. 1,694,916; Dec. 11.
- Control apparatus, hydraulic resistance. L. J. Hull. 1,679,085; July 31.
- Control apparatus, Motor-. C. C. Runner. 1,683,210; Sept. 4.
- Control apparatus, Pilot and burner. F. A. Gauger. 1,680,263; Aug. 7.
- Control apparatus, Pneumatic. A. Wichert. 1,677,575; July 17.
- Control apparatus, Resistance. H. J. Wiegand. 1,678,028; July 24.
- Control assembly. H. M. Denyes. 1,670,847; May 22.
- Control by compressional waves, System of. J. M. Hammond, jr. 1,664,549; Apr. 3.
- Control, Desuperheater. J. M. Barrett. 1,688,132; Oct. 16.
- Control device. J. Hurst. 1,675,270; June 26.
- Control device. E. F. Maas. 1,673,521; June 12.
- Control device. H. D. Matthews. 1,687,680; Oct. 16.
- Control device. H. C. Miller and A. J. Mottlau. 1,682,395; Aug. 28.
- Control device. L. Ruffio. 1,694,797; Dec. 11.
- Control device, Automatic. T. F. Baily. 1,683,856; Sept. 11.
- Control device, Electric distant. E. Granat. 1,694,121; Dec. 4.
- Control device, Fluid-pressure-. J. C. Ericksen. 1,677,959; July 24.
- Control device, Fluid-pressure-. J. C. Moody and L. F. Hoffman. 1,682,848; Sept. 4.
- Control device for power winches and the like, Remote. E. Wägle. 1,692,009; Nov. 20.
- Control device for use in coupling oil-well casing, Pressure-. E. G. Whaley. 1,677,538; July 17.
- Control device, Safety. W. W. Williams. 1,669,386; May 8.
- Control device, Selective. L. L. Ladd. 1,685,921; Oct. 2.
- Control device, Temperature-actuated electric. I. E. McCabe. 1,686,286; Oct. 2.
- Control device, Variable-. L. G. Pacent. 1,675,377; July 3.
- Control device, Variable-. L. G. Pacent. 1,690,077; Oct. 30.
- Control, Door. H. Hubbell. 1,684,704; Sept. 18.
- Control for fluid containers. C. S. Johann. 1,671,369; May 29.
- Control for liquids, Air-governed destination. C. W. Stanclige. 1,683,737; Sept. 11.
- Control for power distribution, Power-factor. S. Melton. 1,681,005; Aug. 14.
- Control for power systems, Power-factor. S. Melton. 1,681,004; Aug. 14.
- Control for rolling-mill screw downs, Remote. D. R. Francis. 1,676,180; July 3.
- Control for sheet-material-handling machinery, Automatic. L. J. Elsas and E. M. Jones. 1,693,272; Nov. 27.
- Control for water-gas jets, Automatic. J. H. Taussig. 1,677,102; July 10.
- Control indicator, Electrically-operated remote. S. B. Allen and L. R. Sutherland. 1,657,910; Jan. 31.
- Control means. W. R. Cox. 1,668,526; May 1.
- Control means. H. J. Murray. 1,663,721; Mar. 27.
- Control means for clutches, brakes, and the like. F. Athimon. 1,692,070; Nov. 20.
- Control means for prime movers, Auxiliary. A. M. Goodwin. 1,694,975; Dec. 11.
- Control means for quenching coke, Automatic. C. Hyman. 1,695,105; Dec. 11.
- Control mechanism. A. F. Coates. 1,662,661; Mar. 13.
- Control mechanism. R. E. De Camp. 1,675,333; July 3.
- Control mechanism. G. H. Hanson and C. Wilhjelm. 1,655,815; Jan. 10.
- Control mechanism. R. C. Lamond. 1,676,994; July 10.
- Control mechanism. W. L. Martin. 1,675,615; July 3.
- Control mechanism. C. T. Mason. 1,664,459; Apr. 3.
- Control mechanism. M. W. Palmer. 1,662,434; Mar. 13.
- Control mechanism. C. Schütz. 1,680,808; Aug. 14.
- Control mechanism. M. W. Thomas and P. H. Hamilton. 1,678,658; July 31.
- Control mechanism. W. I. Twombly. 1,690,847; Nov. 6.
- Control mechanism. E. H. Van Valkenberg. 1,661,586; Mar. 6.
- Control mechanism. C. L. White. 1,654,848; Jan. 3.
- Control mechanism. R. K. Winning. 1,695,938; Dec. 18.
- Control mechanism, Automatic. K. Tessky. 1,667,062; Apr. 24.
- Control mechanism, Automatic. W. C. Ward. 1,696,659; Dec. 25.
- Control mechanism, Bumper-actuated. J. A. Austin. 1,682,731; Sept. 4.
- Control mechanism for change making and ejecting device. F. Hedley and J. S. Doyle. 1,680,458; Aug. 14.
- Control mechanism for electric switch gear. W. Anderson and H. W. Clothier. 1,685,531; Sept. 25.
- Control mechanism for fuel atomizers, Safety. L. I. Aldrich. 1,680,929; Aug. 14.
- Control mechanism for hoists, lifts, and the like. H. W. C. Liddard. 1,687,501; Oct. 16.
- Control mechanism for vehicle wheel brakes. A. Y. Dodge. 1,691,567; Nov. 13.
- Control mechanism, Quick-acting. E. L. Fonseca. 1,659,947; Feb. 21.
- Control mechanism, Steam and liquid. W. C. Mitchell. 1,689,249; Oct. 30.
- Control method and apparatus. T. Appleby. 1,683,012; Sept. 4.
- Control of induction motors, Speed. H. K. Schrage. 1,694,984-5; Dec. 11.
- Control of liquid-fuel burners, Method of and apparatus for. R. F. Metcalfe. 1,688,126; Oct. 16.
- Control of railway switches, Apparatus for the. H. S. Young. 1,694,050; Dec. 4.
- Control, Speed-reducing. A. E. H. Gravillon. 1,680,874; Aug. 14.
- Control system. E. F. W. Alexanderson and S. P. Nixdorf. 1,669,153; May 8.
- Control system. H. Bany. 1,670,093; May 15.
- Control system. E. F. Bliss. 1,684,256; Sept. 11.
- Control system. H. L. Blood and R. C. Deale. 1,656,312; Jan. 17.
- Control system. R. C. Deale and N. Marcalus. 1,671,544; May 29.
- Control system. R. C. Deale and R. H. Rausch. 1,680,730; Aug. 14.

- Control system. J. V. Dobson and M. F. Jones. 1,685,943; Oct. 2.
- Control system. A. B. Field. 1,685,948; Oct. 2.
- Control system. C. L. Fortescue. 1,695,891; Dec. 18.
- Control system. W. N. Gittings. 1,693,293; Nov. 27.
- Control system. F. M. Parks and G. R. Shaw. 1,682,413; Aug. 28.
- Control system. D. Peccerillo. 1,655,288; Jan. 3.
- Control system. A. Pfau. 1,685,749; Sept. 25.
- Control system. A. Pfau and B. Grob. 1,685,750; Sept. 25.
- Control system. A. A. Ponsonby. 1,695,856; Dec. 18.
- Control system. M. E. Reagan. 1,691,360; Nov. 13.
- Control system. W. R. Schofield, jr. 1,683,809; Sept. 11.
- Control system. K. A. Simmon. 1,686,040; Oct. 2.
- Control system. D. T. Simonds. 1,694,237; Dec. 4.
- Control system. G. L. Spencer, and V. E. Metcalfe. 1,680,259; Aug. 7.
- Control system. V. G. Vaughan. 1,682,448; Aug. 28.
- Control system, Automatic. H. Bany and H. T. Seeley. 1,695,004; Dec. 11.
- Control system, Automatic electric. B. H. Greene. 1,685,052; Sept. 18.
- Control system, Elevator. E. M. Bouton. 1,687,654; Oct. 16.
- Control system, Fluid-fuel. E. J. Te Pas. 1,683,213; Sept. 4.
- Control system for prime movers. J. J. Ring and C. Schindler. 1,685,755; Sept. 25.
- Control system, Load. A. G. Darling. 1,670,063; May 15.
- Control system, Motor. A. L. Harvey. 1,682,508; Aug. 28.
- Control system, Motor. H. D. James. 1,686,666; Oct. 9.
- Control system, Multiple. S. D. Mott. 1,670,043; May 15.
- Control. System of. E. Falcke and K. Lehmann. 1,683,175; Sept. 4.
- Control system, Process. L. B. Swift. 1,693,677; Dec. 4.
- Control system, Remote. J. I. Bellamy. 1,674,127; June 19.
- Control system, Remote. E. F. Bliss. 1,689,516; Oct. 30.
- Control system, Remote. E. F. Chandler. 1,678,634; July 31.
- Control system, Remote. R. G. Richardson and J. I. Bellamy. 1,674,126; June 19.
- Control system, Supervisory. T. U. White and J. E. Gardner. 1,695,908; Dec. 18.
- Control system, Supervisory. F. H. Winter. 1,669,112; May 8.
- Control switch, Automatic. T. J. Scofield. 1,669,784; May 15.
- Control switch, Automobile headlight. G. A. Blauvelt. 1,667,965; May 1.
- Control, Two-hand. R. C. Pauly. 1,679,917; Aug. 7.
- Control unit. E. F. Norelius. 1,679,584; Aug. 7.
- Controlled switch, Automatically. G. H. Hart. 1,678,507; July 24.
- Controller. C. L. Perry. 1,687,508; Oct. 16.
- Controller. O. P. Schuster. 1,656,021; Jan. 10.
- Controller actuation. A. E. Loewy. 1,686,754; Oct. 9.
- Controller, Automatic. F. J. Bast and R. M. Wilhelm. 1,689,764; Oct. 30.
- Controller, Automatic. L. A. Umansky. 1,669,107; May 8.
- Controller construction. E. Wirz, A. Haller, and K. Kuntze. 1,687,999; Oct. 16.
- Controller for vehicle springs. F. C. Mock. 1,690,546; Nov. 6.
- Controller governor. V. Schleyer. 1,685,868; Oct. 2.
- Controller handle. W. W. Brown. 1,683,157; Sept. 4.
- Controller lock. W. A. Chryst. 1,687,058; Oct. 9.
- Controlling and adjusting the current passing through an arc fed with alternating current, Device for. P. M. G. Toulon. 1,668,615; May 8.
- Controlling and measuring gas supply. T. H. Clements. 1,666,487; Apr. 17.
- Controlling and operating device for machine tools or the like, Fluid or air. A. R. Kuzlewski. 1,690,541; Nov. 6.
- Controlling and operating locomotive whistles, Device for. H. Vissering. 1,689,509; Oct. 30.
- Controlling apparatus. J. T. Janette. 1,682,789; Sept. 4.
- Controlling apparatus. C. W. Wyman. 1,683,225; Sept. 4.
- Controlling apparatus. C. W. Wyman. 1,696,748; Dec. 25.
- Controlling business, Mechanism and method for. H. R. Brand. 1,682,828; Sept. 4.
- Controlling cracking stills, Apparatus for. W. C. Parrish. 1,690,243; Nov. 6.
- Controlling device. F. D. Hardesty. 1,690,339; Nov. 6.
- Controlling device. N. A. Lopez. 1,668,413; May 1.
- Controlling device, Electric. C. W. Wyman. 1,696,744; Dec. 25.
- Controlling device, Electroresponsive. A. F. Welch. 1,696,617; Dec. 25.
- Controlling device for the keys of keyboard machines. P. M. Colquhoun. 1,690,443; Nov. 6.
- Controlling device, Mechanically operated speed. D. E. Lewellen. 1,686,916; Oct. 9.
- Controlling electrical instruments, Variably. A. D. Cardwell. 1,691,700; Nov. 13.
- Controlling knitting needles in plating relations, Mechanism for. J. and R. H. Lawson. 1,690,076; Oct. 30.
- Controlling means for burners. O. E. D'Arche. 1,673,404; June 12.
- Controlling means, Prime-mover. A. Pfau. 1,684,884; Sept. 18.
- Controlling mechanism. L. J. Clapp. 1,657,200; Jan. 24.
- Controlling mechanism. J. Gouldbourn. 1,696,535; Dec. 25.
- Controlling mechanism. E. G. Gartin. 1,662,791; Mar. 13.
- Controlling mechanism. F. D. Holdsworth. 1,692,266; Nov. 20.
- Controlling mechanism. M. P. Holmes. 1,662,826; Mar. 20.
- Controlling mechanism. C. D. Knowlton. 1,679,362; Aug. 7.
- Controlling mechanism. O. H. Ludeman. 1,679,044; July 31.
- Controlling mechanism. C. W. Wyman. 1,696,746; Dec. 25.
- Controlling mechanism for compressors. R. Conrader. 1,695,368; Dec. 18.
- Controlling mechanism for gasoline tanks. N. A. Carlson. 1,696,541; Dec. 25.
- Controlling mechanism for Jacquard looms, Box. E. R. Holmes. 1,692,988; Nov. 27.
- Controlling mechanism for oil burners. O. C. Schroeder. 1,689,803; Oct. 30.
- Controlling mechanism for successively acting printing units. O. C. F. Meisel. 1,691,889; Nov. 13.
- Controlling mechanism for wheel brakes. J. B. Desrosiers. 1,696,839; Dec. 25.
- Controlling mechanism for wringers and other machinery. H. J. Criner. 1,684,265; Sept. 11.
- Controlling molten-glass flow, Apparatus for. C. B. Kingsley. 1,692,806; Nov. 20.
- Controlling pressure, Apparatus for. J. C. Black. 1,673,490; June 12.
- Controlling switch, Pull-button. A. B. Weaver. 1,676,971; July 10.
- Controlling system. L. E. Topham. 1,667,963; May 1.
- Controlling the feed of gasoline engines. C. H. Haggood. 1,694,469; Dec. 11.
- Controlling the flow of all fluids in an oil-burner apparatus. W. M. Baxter. 1,690,329; Nov. 6.
- Controlling the flow of fluids, Device for. R. E. B. Wakefield. 1,683,317; Sept. 4.
- Controlling the positioning of devices from a distance, Apparatus for. N. E. Methlin. 1,684,042; Sept. 11.
- Controlling the processing of materials. M. L. Mueller. 1,695,738; Dec. 18.
- Convection and radiant heater, Combination. S. J. Delaney. 1,677,621; July 17.
- Convection heater, Electric. H. N. Shaw. 1,679,841; Aug. 7.
- Convection heater, Emergency. W. A. Brown. 1,694,160; Dec. 4.
- Converter of synchronous construction, Frequency. M. Schenkel. 1,669,577; May 15.
- Convertible body. R. Beringer. 1,665,294; Apr. 10.
- Convertible stand, Knockdown. W. C. Kirk. 1,688,546; Oct. 23.
- Convertible table. J. Novak. 1,676,108; July 3.
- Converting hydrocarbons, Process and apparatus for. L. C. Huff. 1,685,488; Sept. 25.
- Converting rotary motion into oscillatory motion, Mechanism for. G. H. Amonsens. 1,672,241; June 5.
- Conveyance construction, Compartment. E. Gutzler. 1,664,294; Mar. 27.
- Conveyer. E. H. Allfree, and A. R. Williams. 1,662,808; Mar. 20.
- Conveyer. G. Blumel. 1,672,843; June 5.
- Conveyer. W. J. Bohn. 1,676,978; July 10.
- Conveyer. W. M. Brown. 1,683,643; Sept. 11.
- Conveyer. C. R. Claghorn. 1,669,590; May 15.
- Conveyer. J. D. Crummev. W. J. Austin, and F. H. Lewis. 1,676,481; July 10.
- Conveyer. F. W. Cutler. 1,686,519; Oct. 9.
- Conveyer. B. F. Forsyth. 1,695,277; Dec. 18.
- Conveyer. I. G. Fowler. 1,688,698; Oct. 23.
- Conveyer. J. A. Goodner. 1,659,973; Feb. 21.
- Conveyer. J. W. Groer. 1,679,717; Aug. 7.
- Conveyer. W. E. Hall. 1,656,976; Jan. 24.
- Conveyer. R. W. Halton. 1,673,283; June 12.
- Conveyer. C. Hayes. 1,662,575; Mar. 13.
- Conveyer. W. Hollingsworth. 1,656,114; Jan. 10.
- Conveyer. W. E. Jones. 1,681,859; Aug. 21.
- Conveyer. J. Lockhart. 1,671,534; May 29.
- Conveyer. J. Lockhart. 1,695,115; Dec. 11.
- Conveyer. W. McKee. 1,675,948; July 3.
- Conveyer. H. H. Morgan. 1,694,054; Dec. 11.
- Conveyer. G. Nelson. 1,693,208; Nov. 27.
- Conveyer. J. F. Noecker. 1,677,487; July 17.
- Conveyer. A. G. and A. Ronning. 1,686,533; Oct. 9.
- Conveyer. C. W. Shanaberger. 1,680,695; Aug. 14.
- Conveyer. E. B. Tolman, jr. 1,681,381; Aug. 21.
- Conveyer. J. R. Webb. 1,664,763; Apr. 3.
- Conveyer. G. E. Woodward. 1,659,968; Feb. 21.
- Conveyer and chain therefor, Universal. S. J. Benner. 1,672,799; June 5.
- Conveyer and door and operating same. A. S. Nichols. 1,667,737; May 1.
- Conveyer and door construction. A. S. Nichols. 1,667,738; May 1.
- Conveyer and inspecting apparatus. L. Titus. 1,674,419; June 19.
- Conveyer and pourer, Portable. J. D. Lawrence. 1,659,109; Feb. 14.

- Conveyer-bar construction. H. S. Wells and H. H. Lightle. 1,662,093; Mar. 13.
- Conveyer, Belt. H. B. Howard. 1,690,301; Nov. 6.
- Conveyer-belt idler. C. C. Pilegor. 1,655,335; Jan. 3.
- Conveyer chain. G. E. Edmunds. 1,667,844; May 1.
- Conveyer construction. S. Necheff. 1,671,950; May 29.
- Conveyer, Cottonseed. J. H. Whitley. 1,689,706; Oct. 30.
- Conveyer, Elevated. P. M. Hassler. 1,682,175; Aug. 28.
- Conveyer equipment. J. M. Livingston. 1,669,060; May 8.
- Conveyer flight. F. H. Lamb. 1,665,373; Apr. 10.
- Conveyer flight. R. H. Pangborn. 1,681,429; Aug. 21.
- Conveyer for corn harvesters. A. Olson. 1,676,916; July 10.
- Conveyer for green bricks and the like. F. W. Thropp and W. Malcolm. 1,669,220; May 8.
- Conveyer for heating furnaces. D. L. Summey. 1,693,568; Nov. 27.
- Conveyer for heat-treating furnaces. A. T. Kathner. 1,669,903; May 15.
- Conveyer for sugar-cane mills. W. A. Ramsay. 1,690,877; Nov. 6.
- Conveyer garment press. J. C. Ledbetter. 1,662,976; Mar. 20.
- Conveyer mechanism, Overhead steel-plate. G. Raymond. 1,690,502; Nov. 6.
- Conveyer, Molding-sand. R. E. McGaughey. 1,673,337; June 12.
- Conveyer, Off-bearing. C. E. Fuller. 1,691,881; Nov. 13.
- Conveyer of the belt type. J. Thomson. 1,691,681; Nov. 13.
- Conveyer operated at accelerated speed. G. Halter. 1,689,201; Oct. 30.
- Conveyer, Pneumatic. H. J. Burns and G. E. Tollenaar. 1,675,090; June 26.
- Conveyer port. J. J. Mojonner. 1,692,851; Nov. 27.
- Conveyer, Portable. H. H. Barber. Re17,160; Dec. 11.
- Conveyer, Portable building-material. J. D. Lawrence. 1,679,981; Aug. 7.
- Conveyer roll. A. P. Strong. 1,669,952; May 15.
- Conveyer roller. G. W. Curtis. 1,663,003; Mar. 20.
- Conveyer roller. W. B. Moore. 1,689,496; Oct. 30.
- Conveyer rolls, Retarding. W. H. Jaenicke. 1,660,512; Feb. 28.
- Conveyer, Rope. R. B. Pitt. 1,686,030; Oct. 2.
- Conveyer, Shaker. J. H. D. Petersen and J. W. Wilson. 1,685,463; Sept. 25.
- Conveyer system. A. N. Klyver. 1,655,467; Jan. 10.
- Conveyer system. T. S. Knap. 1,654,688-9; Jan. 3.
- Conveyer system. J. E. Regan. 1,655,476; Jan. 10.
- Conveyer system, Retarding. L. O. McLean. 1,656,920; Jan. 24.
- Conveyer systems, Pick off for. W. L. and L. B. H. Bixler. 1,664,393; Apr. 3.
- Conveyer, Worm. R. Müller. 1,694,228; Dec. 4.
- Conveyers, Driving mechanism for oscillating. H. Etzel. 1,672,807; June 5.
- Conveyers, Idler for belt. G. E. Mellin. 1,678,997; July 31.
- Conveyers, Safety device for. S. G. Margles and A. E. Handy. 1,682,014; Aug. 28.
- Conveying and accelerating device. P. H. Lange. 1,689,247; Oct. 30.
- Conveying and drying apparatus. N. Marshall. 1,677,526; July 17.
- Conveying and water cooling tie plates, Mechanism for. M. Overstrud. 1,678,195; July 24.
- Conveying apparatus. M. J. Anderson. 1,693,014; Nov. 27.
- Conveying apparatus. R. La France. 1,669,474; May 15.
- Conveying apparatus. F. D. Enney. 1,659,316; Feb. 14.
- Conveying apparatus. C. M. Schaeffer. 1,670,383; May 22.
- Conveying apparatus. E. B. Tolman, jr. 1,684,649; Sept. 18.
- Conveying apparatus, Cotton-. C. E. Coldwell. 1,687,713; Oct. 16.
- Conveying apparatus, Fluid. W. C. White. 1,680,831; Aug. 14.
- Conveying away exhaust gases from motor cars in garages. M. Baumgartel. 1,679,705; Aug. 7.
- Conveying device. H. Carle. 1,655,688; Jan. 10.
- Conveying device. A. Zöbelin. 1,671,917-18; May 29.
- Conveying devices, Turning mechanism for. W. D. Coil and W. J. De Reamer. 1,664,663; Apr. 3.
- Conveying mechanism. C. Gueritey. 1,667,349; Apr. 24.
- Conveying mechanism. K. F. Snow. 1,660,939; Feb. 28.
- Conveying pulverized material, Apparatus for. A. G. Kinyon. 1,677,119; July 10.
- Conveying the workholding tables of a continuously-moving series of tables, Apparatus for. F. B. Waldron. 1,693,534; Nov. 27.
- Cook stove or range, Combined gas and electric. F. C. Alber. 1,667,521; Apr. 24.
- Cooker. E. E. Cary. 1,684,297; Sept. 11.
- Cooker. J. S. Williamson. 1,672,742; June 5.
- Cooker and cooler, Combined. A. R. Thompson. 1,694,996; Dec. 11.
- Cooker, Automatic. H. S. Murray. 1,677,564; July 17.
- Cooker drier, Combination. F. P. Renneburg. 1,690,753; Nov. 6.
- Cooker, Electric. P. Ackerman. 1,694,762; Dec. 11.
- Cooker, Electric fireless. W. Campbell. 1,675,091; June 26.
- Cooker, Meat. O. M. Wolff. 1,687,514; Oct. 9.
- Cooker, Portable electric. M. Evans. 1,692,547; Nov. 20.
- Cooker, Portable electric. H. A. Ziola. 1,663,744; Mar. 27.
- Cooker, Pressure. A. Vischer, jr. 1,682,203; Aug. 28.
- Cooker, Steam. E. C. Calkins. 1,659,806; Feb. 21.
- Cooker, Steam. H. M. Chauncey. 1,659,721; Feb. 21.
- Cooker, Steam. J. F. Waters. 1,659,064; Feb. 14.
- Cooker, Waterless. A. L. Rosenheim, jr. 1,683,305; Sept. 4.
- Cooking and apparatus used in such method, Method of. A. F. Bartleson. 1,677,912; July 24.
- Cooking and condensing semiliquid foods. F. Mennillo. 1,662,532; Mar. 13.
- Cooking and heating apparatus, Electric. J. H. Williams. 1,664,584; Apr. 3.
- Cooking and heating appliance. W. R. Dick. 1,676,603; July 10.
- Cooking and heating device, Electric. O. Schaffler. 1,676,669; July 10.
- Cooking and other purposes, Apparatus for. F. H. Montreuil. 1,692,682; Nov. 20.
- Cooking apparatus. J. C. Bergner. 1,665,017; Apr. 3.
- Cooking apparatus. F. Blattner, jr., and E. Janke. 1,677,227; July 17.
- Cooking apparatus. B. F. Elbert. 1,656,181; Jan. 17.
- Cooking apparatus. S. Sauvage. 1,685,829; Oct. 2.
- Cooking apparatus, Electrical. F. J. Cook. 1,662,847; Mar. 20.
- Cooking apparatus with steam hood. H. Schell. 1,664,324; Mar. 27.
- Cooking, Automatic. F. W. Hewitt. 1,682,337; Aug. 28.
- Cooking, baking, and frying apparatus, Electric. G. Klumpp. 1,673,333; June 12.
- Cooking device. J. G. Lambert. 1,682,384; Aug. 28.
- Cooking devices, Control means for electric. H. R. Van Deventer. 1,669,501; May 15.
- Cooking Machine, Nut-. O. C. Stroth and P. R. Lempke. 1,681,505; Aug. 21.
- Cooking mold. A. Allis. 1,688,319; Oct. 23.
- Cooking of fibrous material, Method and apparatus for continuous. T. L. Dunbar. 1,679,336; July 31.
- Cooking pot. C. Charlier and A. Errera. 1,675,640; July 3.
- Cooking utensil. W. R. Dick. 1,688,690; Oct. 23.
- Cooking utensil. E. E. Drumm. 1,688,039; Oct. 16.
- Cooking utensil. C. A. Massing. Re17,005; June 19.
- Cooking utensil. J. McEwan. 1,677,593; July 17.
- Cooking utensil. H. E. Stampely. 1,672,738; June 5.
- Cooking utensil, Electric. B. M. Fromknecht. 1,692,644; Nov. 20.
- Cooking utensil, Internal-heat-circulating. W. R. Dick. 1,694,773; Dec. 11.
- Cooking utensils, Attachment for. A. E. Bienstock. 1,693,974; Dec. 4.
- Cooking vessel. E. V. Coulston. 1,695,995; Dec. 18.
- Cooking vessel. H. L. Goodwin. 1,694,378; Dec. 11.
- Cooking vessel. F. P. Reed and C. F. Strohm. 1,668,087; May 1.
- Cooking wood chips by the alkaline process of pulp manufacture. R. Woodhead. 1,687,076; Oct. 9.
- Coolant-arresting mechanism, Automatic. G. C. Kimmel. 1,664,983; Apr. 3.
- Cooler: See—
- | | |
|----------------------|------------------|
| Air cooler. | Milk-can cooler. |
| Bag and food cooler. | Rotary cooler. |
| Bottle cooler. | Tuyère cooler. |
| Cream cooler. | Water cooler. |
| Ice-water cooler. | |
- Cooler. S. L. Jefferies. 1,659,530; Feb. 14.
- Cooler and humidifier, Air. J. A. Lundmark. 1,690,417; Nov. 6.
- Cooler, Beverage. F. L. Look. Des. 75,740; July 10.
- Cooler for frosting. W. J. Spencer. 1,673,600; June 12.
- Cooler for jacketed cylinders, Air. H. Miller. 1,669,530; May 15.
- Cooler for sheet-glass apparatus. J. L. Drake. 1,688,530; Oct. 23.
- Cooler for stereotype printing plates. H. A. W. Wood. 1,686,784; Oct. 9.
- Cooler for use with refrigerator, Water. R. C. Brett. 1,656,507; Jan. 17.
- Cooler or drier, Drum. S. P. Miller. 1,675,274; June 26.
- Coolers, Extractor for tuyères and tuyère. G. J. Jones and E. J. Blanning. 1,665,135; Apr. 3.
- Cooling and car-heating system, Combined engine. S. W. Rushmore. 1,683,101; Sept. 4.
- Cooling and dispensing carbonated liquids, Apparatus for. W. E. Dougherty. 1,663,683; Mar. 27.
- Cooling and dispensing device. T. Efstathiou. 1,656,782; Jan. 17.
- Cooling and dispensing machine. C. F. Bauer. 1,694,436; Dec. 11.
- Cooling and drying apparatus and process of cement making adapted to be carried on thereby. H. O. Moebius. 1,670,269; May 15.
- Cooling and drying materials. E. B. Brown. 1,694,807; Dec. 11.
- Cooling and filtering apparatus, Milk. A. F. Ortiz. 1,692,760; Nov. 20.
- Cooling and fire-prevention apparatus for motion-picture projectors. B. J. Berg. 1,684,304; Sept. 11.
- Cooling and freezing apparatus. T. Lindseth. 1,657,447; Jan. 24.

- Cooling and heating device for vehicles, Portable. I. Kohn and F. Saghy. 1,673,149; June 12.
- Cooling and packing machine, Candy. G. Trifelos. 1,682,814; Sept. 4.
- Cooling and refrigerating system. J. B. Grond. 1,660,440; Feb. 28.
- Cooling and ventilating device. F. L. Chatham. 1,684,474; Sept. 18.
- Cooling apparatus. G. E. Hulse. 1,654,544; Jan. 3.
- Cooling apparatus. R. W. Mumford. 1,676,277; July 10.
- Cooling apparatus. E. H. Steedman. 1,688,158; Oct. 16.
- Cooling apparatus, Air-. C. A. Parsons and J. Rosen. 1,682,183; Aug. 28.
- Cooling apparatus, Can. G. G. Frelinghuysen. 1,662,803; Mar. 13.
- Cooling apparatus for beverage dispensers. W. E. Leibing. 1,682,385; Aug. 28.
- Cooling apparatus for rubber tubing. C. H. Semple. 1,674,574; June 19.
- Cooling apparatus, Liquid-. H. C. Kellogg. 1,675,108; June 26.
- Cooling apparatus, Steam-. S. W. Rushmore. 1,691,614; Nov. 13.
- Cooling attachment for permanent-waving apparatus. L. V. Dorange. 1,666,169; Apr. 17.
- Cooling bag. G. M. Osborn. 1,668,598; May 8.
- Cooling car wheels, Apparatus for. J. Brunner. 1,674,884; June 26.
- Cooling-cone device, Spray. L. T. Mart. 1,658,533; Feb. 7.
- Cooling device. E. A. Brooks. 1,673,732; June 12.
- Cooling device. A. Mayer. 1,664,636; Apr. 3.
- Cooling device for beds. F. A. Garbutt. 1,670,658; May 22.
- Cooling device for the cylinders of internal-combustion engines. F. H. Royce. 1,692,385; Nov. 20.
- Cooling device for valves and the like. C. F. Ketterling. 1,663,709; Mar. 27.
- Cooling device, Milk-. H. J. Foster. 1,679,302; July 31.
- Cooling fan for automobiles or the like, Double. T. B. Martin. 1,671,373; May 29.
- Cooling gas engines, Device for. N. J. Benson. 1,688,447; Oct. 23.
- Cooling incandescent coke, Apparatus for. A. Moetteli. 1,677,196; July 17.
- Cooling internal-combustion engine. C. Forbes. 1,671,634; May 29.
- Cooling internal-combustion engines. W. W. Muir. 1,677,981; July 24.
- Cooling internal-combustion engines, Process of and apparatus for. W. W. Muir. 1,676,961; July 10.
- Cooling liquids, Apparatus for. H. W. Taylor and J. T. Smith. 1,689,461; Oct. 30.
- Cooling machines, Tray-compartment closure for. A. E. Thornley. 1,656,713; Jan. 17.
- Cooling means for internal-combustion engines. E. A. Sperry. 1,684,809; Sept. 18.
- Cooling means for mixing devices, Air-. L. S. Harber. 1,686,967; Oct. 9.
- Cooling means for permanent molds. J. L. Dostal. 1,670,614; May 22.
- Cooling metal rods or bars, Apparatus for. J. R. George. 1,672,061; June 5.
- Cooling of exhaust valves of internal-combustion engines. S. D. Heron. 1,670,965; May 22.
- Cooling of fatty emulsions or the like, Device for the. W. G. Schröder. 1,679,685; Aug. 7.
- Cooling of fruits and vegetables in refrigerator cars. C. W. Mann. 1,696,441; Dec. 25.
- Cooling oil or other liquids, Apparatus for. J. Moore. 1,678,070; July 24.
- Cooling rubber-tire trends. H. C. Weisse. 1,682,876; Sept. 4.
- Cooling system. W. H. Carrier. 1,687,542; Oct. 16.
- Cooling system. F. D. Holdsworth. 1,679,144; July 31.
- Cooling system. S. W. Rushmore. 1,678,484; July 24.
- Cooling system. S. W. Rushmore. 1,690,841; Nov. 6.
- Cooling system, Air-. L. E. Smitley and F. S. Moore. 1,689,162; Oct. 23.
- Cooling system and refrigerator therefor. J. Schulde. 1,660,138; Feb. 21.
- Cooling system, Building-. B. J. Nuccio. 1,680,472; Aug. 14.
- Cooling-system control. F. W. Weston. 1,695,446; Dec. 18.
- Cooling system, Dynamo-. F. G. Baum. 1,691,696; Nov. 13.
- Cooling system, Engine. C. P. Brockway. 1,683,602; Sept. 11.
- Cooling system, Engine-. S. W. Rushmore. 1,690,703; Nov. 6.
- Cooling system, Engine-. S. W. Rushmore. 1,694,397; Dec. 11.
- Cooling system for aircraft engines. H. C. Mallory. 1,694,071; Dec. 4.
- Cooling system for dynamo-electric machines. C. W. Rice. 1,696,612; Dec. 25.
- Cooling system for internal-combustion engines. H. C. Mallory. 1,678,644; July 31.
- Cooling system for internal-combustion engines and operating the same. W. W. Muir. 1,674,689; June 26.
- Cooling system for the valves of internal-combustion engines. J. W. Smith. 1,672,003; June 5.
- Cooling systems for internal-combustion engines. Operating. W. W. Muir. 1,691,121; Nov. 13.
- Cooling tank. J. O. Carrey. 1,679,292; July 31.
- Cooling tower. E. W. Cook. 1,665,022; Apr. 3.
- Cooling tower. N. O. Fleming. 1,674,281; June 19.
- Cooling towers and the like, Water-distributing means for. G. J. Stocker. 1,690,092; Oct. 30.
- Cooling unit, Charge-preparing. A. C. Peterson. 1,668,601; May 8.
- Cooling unit for a refrigerating apparatus. L. G. Cope-man. 1,671,762; May 29.
- Cooling-water distribution. C. R. Short. 1,686,039; Oct. 2.
- Cooling work blanks. W. McKee. 1,675,950; July 3.
- Coop. W. T. Davis. 1,673,736; June 12.
- Coop, Collapsible brood. V. E. Soderquist. 1,671,051; May 22.
- Coop, Knockdown. J. H. Lipscomb. 1,684,135; Sept. 11.
- Coop or crate. A. W. Rosenberger. 1,696,693; Dec. 25.
- Coop, Self-locking chicken. M. S. Holley. 1,666,855; Apr. 17.
- Cope head for tenoners and the like. H. T. Ahrendt. 1,688,913; Oct. 23.
- Copper alloys, Manufacture of. O. von Rosthorn. 1,675,008; June 26.
- Copper-extraction process. W. E. Greenawalt. 1,654,930; Jan. 3.
- Copper from its ores, Recovering. A. Elliott. 1,681,528; Aug. 21.
- Copper minerals, Treatment of. L. F. Clark. 1,670,021; May 15.
- Copper refining. A. G. de Golyer. 1,660,220; Feb. 21.
- Copper sulphide and preparing the same, Colloidal. A. E. Craver. 1,657,430; Jan. 24.
- Copperas, Making. H. C. Stewart. 1,667,693; Apr. 24.
- Cop-winder head. E. F. Krueger. 1,696,717; Dec. 25.
- Cop-winding machine. O. Elsner and O. Kühling. 1,668,495; May 1.
- Copyholder. H. C. Binkle. 1,685,041; Sept. 18.
- Copyholder. J. Heberling. 1,668,906; May 8.
- Copyholder. J. W. McAdam. 1,668,970; May 8.
- Copyholder. H. J. and C. J. Ostdiek. 1,672,622; June 5.
- Copyholder. W. D. M. Simmons. 1,675,060; June 26.
- Copyholder for typewriting machines. J. A. B. Smith. 1,686,350; Oct. 2.
- Copying device for photographic purposes. A. Iser. 1,687,069; Oct. 9.
- Copying from pairs of photographs, Device for. R. Hugershoff. 1,673,680; June 12.
- Copying machine, Photographic-. A. W. Caps. 1,695,481; Dec. 18.
- Cord and producing the same, Ended. E. E. Waite. 1,661,102; Feb. 28.
- Cord and rope holder. M. Lehtonen. 1,660,040; Feb. 21.
- Cord clamp. H. Hubbell. 1,679,723; Aug. 7.
- Cord connector, Extension-. L. S. Brach. 1,669,038; May 8.
- Cord, Electrical and instrument. J. D. Williams. 1,688,605; Oct. 23.
- Cord fabric. R. D. Evans. 1,689,119; Oct. 23.
- Cord-fabric and tire making machine. H. I. Morris. 1,677,400; July 17.
- Cord fabric, Woven. A. Burns. 1,659,680; Feb. 21.
- Cord grip for electric fittings and appliances. W. V. Butterfield. 1,657,000; Jan. 24.
- Cord-holding structure. O. H. Pieper. 1,694,669; Dec. 11.
- Cord reel. D. B. Replogle. 1,692,517; Nov. 20.
- Cord sheet material, Apparatus for forming. J. W. Clark. 1,686,436; Oct. 2.
- Cording machine. J. Finkelstein. 1,659,565; Feb. 21.
- Core. G. L. Mather. 1,657,835; Jan. 31.
- Core and making the same. J. V. Puccini and W. L. Guise. 1,674,874; June 26.
- Core barrel. O. M. Carter. 1,657,368; Jan. 24.
- Core barrel. E. F. Raymond. 1,671,544; May 29.
- Core bars in flasks, Supporting. J. R. McWane. Re17,121; Oct. 30.
- Core box, Ingot-mold. J. E. Perry. 1,670,594; May 22.
- Core, Collapsible. P. De Mattia. 1,666,689; Apr. 17.
- Core, Collapsible. P. De Mattia. 1,690,623; Nov. 6.
- Core, Collapsible. C. A. Myers. 1,669,532; May 15.
- Core cutter and laying-up machine, Automatic. H. L. Brandau. 1,663,535; Mar. 20.
- Core dip, System of determining. J. E. Brantly. 1,692,885; Nov. 27.
- Core drill. C. J. Hillman. 1,661,426; Mar. 6.
- Core drill. J. S. Mitchell. 1,677,925; July 24.
- Core drill. J. T. Phipps. 1,663,025; Mar. 20.
- Core drill. J. T. Phipps. 1,663,096; Mar. 20.
- Core-drill bit. J. R. Chamberlin. 1,676,887; July 10.
- Core drill, Soft-formation. L. H. Wellensiek. 1,666,726; Apr. 17.
- Core drill, Standard tool. R. B. Grainger. 1,663,757; Mar. 27.
- Core-drilling head. C. S. Clarke. 1,685,045; Sept. 18.
- Core for casting amplifying horns. F. W. Temple. 1,682,691; Aug. 28.
- Core for electrical apparatus. E. C. George. 1,685,742; Sept. 25.
- Core for hollow-wall construction. B. P. Wheeler, jr. 1,665,573; Apr. 10.
- Core for molds for casting curved stereoplates. C. Winkler. 1,655,349; Jan. 3.
- Core for stereotype-plate-casting boxes. H. A. W. Wood. 1,682,160; Aug. 28.

- Core form, Collapsible and portable. H. J. Yager. 1,685,012; Sept. 18.
- Core-knock-out device. A. L. Nelson. 1,674,655; June 26.
- Core-making machine. F. Pietrusiak. 1,667,079; Apr. 24.
- Core-reinforcing wires from castings, Device for extracting. J. T. Stoney. 1,673,603; June 12.
- Core retainer for core barrels. R. C. Baker. 1,655,644; Jan. 10.
- Core structure, Collapsible. P. De Mattia. 1,692,249; Nov. 20.
- Corer, Fruit. G. W. Ferdon. 1,668,198; May 1.
- Corer, Grapefruit. J. Moscrip. 1,674,606; June 19.
- Corer, Grapefruit. W. E. Walsh. 1,669,960; May 15.
- Corer, Apparatus for molding. E. C. Moorhead. 1,664,260; Mar. 27.
- Corer, Coating. H. F. Albright. 1,672,973; June 12.
- Corer, Method of and apparatus for continuously sheathing. L. F. Lamplough. 1,689,205; Oct. 30.
- Coring device. R. B. Grainger. 1,684,089; Sept. 11.
- Coring device. F. C. Merritt. 1,669,098; May 8.
- Cork-covered metal building sheet. H. H. Judson. 1,659,539; Feb. 14.
- Cork facing for rolls. H. F. Busch. 1,695,317; Dec. 18.
- Cork, Making composition. G. Schellhaas. 1,660,529; Feb. 28.
- Cork rods, Apparatus for making composition. C. E. McManus. 1,671,079; May 22.
- Cork sheets, Apparatus for making composition. C. E. McManus. 1,671,078; May 22.
- Cork to caps, Apparatus and method for applying. A. L. Edwards and J. A. McGinnis. 1,686,687; Oct. 9.
- Corking machine, Crown-. J. W. Flower. 1,664,881; Apr. 3.
- Corkscrew. T. Harding. 1,680,291; Aug. 14.
- Corkscrew and cork borer, Combined. F. H. Untiedt. 1,657,728; Jan. 31.
- Corn, Apparatus for facilitating the treatment of. O. H. Hansen. 1,666,932; Apr. 24.
- Corncrib and grain bin, Combination. G. A. Meek. 1,686,871; Oct. 9.
- Corn cutter. A. H. Krogan. 1,683,042; Sept. 4.
- Corn cutter and making the same. J. S. Bloom. 1,659,424; Feb. 14.
- Corn husker. F. C. Ielfield. 1,660,198; Feb. 21.
- Corn-husking machine. H. V. Shuler. 1,666,796; Apr. 17.
- Corn machine. W. H. Sandifur. 1,695,902; Dec. 18.
- Corn pickers, Power-drive attachment for. K. Tjossem. 1,664,232; Mar. 27.
- Corn-picking roll. L. A. Paradise. 1,682,143; Aug. 28.
- Corn planter. A. E. Forsyth. 1,662,307; Mar. 13.
- Corn planter. J. B. Hickam. 1,661,120; Feb. 28.
- Corn popper. J. A. Wulftange. 1,660,540; Feb. 28.
- Corn-popper, Electric. A. and M. Bersted. Des. 76,911; Nov. 20.
- Corn popping and vending apparatus. A. R. Walker. 1,689,265; Oct. 30.
- Corn-popping machine. D. W. Baker. 1,692,432; Nov. 20.
- Corn-popping machine. W. G. Howe. 1,658,486; Feb. 7.
- Corn-popping machine. W. D. Root. 1,692,575; Nov. 20.
- Corn roaster. W. Simek. 1,665,225; Apr. 10.
- Corn-seed-severing implement. E. E. Bowers. 1,671,694; May 29.
- Corn sheller. A. E. Gilman. 1,682,374; Aug. 28.
- Corn sheller. F. Osmera. 1,676,573; July 10.
- Corn shredder and husker. H. P. Grossman. Re17,152; Dec. 4.
- Corn-shucking machine. J. E. Crabill. 1,665,404; Apr. 10.
- Corn silker. O. H. Hansen. 1,666,933; Apr. 24.
- Corn ventilating and drying device. O. R. Ludwig. 1,696,854; Dec. 25.
- Corner bead. E. H. Jones. 1,678,813; July 31.
- Corner. Binding. W. B. and H. M. Ballou and L. S. Wall. 1,686,483; Oct. 2.
- Corner construction for closed vehicles. A. Carlson. 1,686,897; Oct. 9.
- Corner joint. L. H. Lehman. 1,672,419; June 5.
- Corner lock. M. Fox. 1,696,269; Dec. 25.
- Corner piece for buildings. D. R. Stuart. 1,676,582; July 10.
- Corner reinforcement, Soft-wood. E. Heath. 1,673,565; June 12.
- Cornice bracket. H. E. Oskamp. 1,658,815; Feb. 14.
- Cornice construction. S. Smiley, Jr. 1,671,210; May 29.
- Cornice, House. P. T. Frenzlen. 1,668,957; May 8.
- Corona-preventing apparatus. J. Biermanns. 1,683,152; Sept. 4.
- Corpse-supporting rest. A. N. Lutz. 1,661,377; Mar. 6.
- Corrugating machine. F. A. Schroeder. 1,659,166; Feb. 14.
- Corselet and brassière, Combined. A. Roth. 1,671,841; May 29.
- Corset. A. B. Beck. 1,685,477; Sept. 25.
- Corset. J. J. Kispert. 1,678,813; July 31.
- Corset. J. Leonard. 1,655,377; Jan. 3.
- Corset. O. G. Righter. 1,674,300; June 19.
- Corset. J. Siegel. 1,659,008; Feb. 14.
- Corset. R. Du F. Ulman. 1,668,834; May 8.
- Corset. O. C. Wiese. 1,683,510; Sept. 4.
- Corset, Abdominal supporting. E. Drenshstein. 1,669,605; May 15.
- Corset and brassière, Combination. R. D. Ulman. 1,694,693; Dec. 11.
- Corset and brassière, Combined. L. E. Scofield. 1,693,799; Dec. 4.
- Corset, Apparel. W. Kops. 1,661,761; Mar. 6.
- Corset, Reducing. M. J. Reynolds. 1,677,989; July 24.
- Cosmetic. T. Hashimoto. 1,670,449; May 22.
- Cosmetic. J. H. Helfrich. 1,655,369; Jan. 3.
- Cosmetic-stick holder. N. Kasdan and D. Pollack. 1,675,496; July 3.
- Cot, Folding. F. A. Adkins. 1,693,423; Nov. 27.
- Cot, Folding. J. L. Cable. 1,654,529; Jan. 3.
- Cot, Folding. J. L. Cable. 1,668,103; May 1.
- Cot, Folding. G. I. Goldwyn. 1,671,638; May 29.
- Cot, Folding. F. G. Manly. 1,696,245; Dec. 25.
- Cot, stretcher, table, and swing, Combined. F. C. Stoutenburg. 1,669,681; May 15.
- Cots, Leg for folding. J. L. Cable. 1,659,941; Feb. 21.
- Cottage, Portable. T. Ahlborn. Des. 77,214; Dec. 18.
- Cotter-pin-locking means. G. T. Cooke. 1,692,026; Nov. 20.
- Cotter pin, Self-locking. E. W. Langton and A. G. Dawson. 1,695,113; Dec. 11.
- Cotton and similar fiber material, Manufacture of roving from. L. Schorsch. 1,658,860; Feb. 14.
- Cotton and similar fibrous material, Production of roving from. L. Schorsch. 1,658,859; Feb. 14.
- Cotton batting for shipment and use, Preparing. M. J. Stack. 1,694,954; Dec. 11.
- Cotton blocker. K. B. Pool. 1,673,844; June 19.
- Cotton blocker, Cross-row. S. F. Brown. 1,694,204; Dec. 4.
- Cotton-boll breaker and cleaner. F. B. Cumpston. 1,673,210; July 24.
- Cotton-boll-cleaning machine. A. T. Lokey. 1,658,409; Feb. 7.
- Cotton-boll puller. W. A. Martin. 1,673,576; June 12.
- Cotton chopper. J. H. Etheredge. 1,683,763; Sept. 11.
- Cotton chopper. E. R. Files. 1,690,928; Nov. 6.
- Cotton chopper. R. S. Moore. 1,684,711; Sept. 18.
- Cotton chopper. J. L. Parks. Re17,113; Oct. 23.
- Cotton chopper. J. L. Parks. 1,690,751; Nov. 6.
- Cotton chopper. J. W. Patton. 1,655,509; Jan. 10.
- Cotton chopping machine. J. S. Elder. 1,685,318; Sept. 25.
- Cotton cleaner. R. E. Lee. 1,686,414; Oct. 2.
- Cotton cleaner. J. M. Stuart. 1,669,632; May 15.
- Cotton cleaner and drier. M. P. Scott. 1,673,341; June 12.
- Cotton cleaner, Conveying-pipe. T. L. Oates. 1,663,091; Mar. 20.
- Cotton cleaner, Pneumatic. C. M. Nevitt. 1,658,493; Feb. 7.
- Cotton-cleaner screen. W. B. House. 1,662,745; Mar. 13.
- Cotton-cleaning machine. S. H. Assiter. 1,667,505; Apr. 24.
- Cotton-cleaning machine. R. B. Cozart. 1,669,286; May 8.
- Cotton-cleaning machines, Reclaiming escaped cotton discharged with hulls from. J. E. Mitchell and D. Parks. 1,669,771; May 15.
- Cotton distributor. W. W. Williams. 1,693,188; Nov. 27.
- Cotton fabric and manufacturing the same. E. Gminder. 1,679,767; Aug. 7.
- Cotton fibers, Preparation of. P. Karrer. 1,673,627; June 12.
- Cotton for spinning, Process and apparatus for preparing. M. A. Roth. 1,674,702; June 26.
- Cotton frames for the production of bodily thickenings of patterns, Device on. A. Richter. 1,663,387; Mar. 20.
- Cotton gin. C. S. Cox. 1,680,132; Aug. 7.
- Cotton gin. G. E. Talley. 1,678,794; July 31.
- Cotton gin. J. Wooldridge. 1,692,362; Nov. 20.
- Cotton-gin-breast-actuating device. T. M. Bruce. 1,681,837; Aug. 21.
- Cotton, Packaging surgical. R. W. Johnson. 1,671,825; May 29.
- Cotton picker. P. H. White. 1,684,981; Sept. 18.
- Cotton-picking device. N. Lehman. 1,675,501; July 3.
- Cotton-picking machine. A. J. Kieffer. 1,687,571; Oct. 16.
- Cotton-picking machine. W. Morava. 1,668,247; May 1.
- Cotton-picking machine. A. St. Onge. 1,681,555; Aug. 21.
- Cotton-reclaiming machine. J. E. Mitchell and D. Parks. 1,690,375; Nov. 6.
- Cotton regulator. E. S. Towns. 1,679,280; July 31.
- Cottonseed oil. Treatment of crude. D. McNicoll. 1,671,834; May 29.
- Cotton separator. J. C. Garner. 1,680,977; Aug. 14.
- Cotton separator. N. B. Henry. 1,693,754; Dec. 4.
- Cotton thinning and cultivating machine, Combination. J. King. 1,661,122; Feb. 28.
- Cotton tramper. J. H. Hawthorn. 1,654,972; Jan. 3.
- Cotton-treating apparatus. H. W. Trout. 1,667,177; Apr. 24.
- Cotton-working apparatus. L. W. Penney and H. E. Child. 1,694,950; Dec. 11.
- Couch and the like, Adjustable. H. J. Müller. 1,678,071; July 24.
- Couch bed. J. M. Michel-Levy. 1,657,223; Jan. 24.
- Couch, Reclining. T. Wolf. 1,683,513; Sept. 4.
- Couches, Adjustable support or stay applicable to drop-end. R. Russell. 1,663,864; Mar. 27.
- Counter. L. Gunther and L. G. Marmion. Des. 74,367; Feb. 7.
- Counter. L. W. Hills. 1,668,717; May 8.
- Counter. F. Hoke, G. H. Rossebo, and E. E. Collison. Des. 75,625; June 26.
- Counter. G. E. Sheldrick. 1,671,553; May 29.

- Counter, F. Sohn and L. G. Marmion. Des. 74,457; Feb. 14.
- Counter bin. A. J. Burg. 1,688,521; Oct. 23.
- Counter, Display. F. W. Daemicke. 1,691,706; Nov. 13.
- Counter, display and dispensing device. L. E. Pratt. 1,668,171; May 1.
- Counter for shoes. H. R. Garside. 1,692,165; Nov. 20.
- Counter or the like, Frameless. E. H. Gibian. 1,669,195; May 8.
- Counter, Refrigerating. E. Platten. 1,655,025; Jan. 3.
- Counter, Refrigerating display. T. S. Buford. 1,663,939; May 8.
- Counter, Serving. C. W. Weston. Des. 75,396; May 29.
- Counter, wall or partition. J. L. Davidson. 1,671,232; May 29.
- Counters, Making. C. A. Peterson. 1,656,234; Jan. 17.
- Counters, Molding. E. C. Blackwell. 1,656,162; Jan. 17.
- Counterbalance. F. J. Schwimmer. 1,674,181; June 19.
- Counterbalance. H. H. Talbot. 1,688,361; Oct. 23.
- Counterbalance for oven doors. F. F. Forshee. 1,678,855; July 31.
- Counterbalancing device. H. G. Pederson. 1,685,748; Sept. 25.
- Counterbalancing device for vulcanizing molds. P. De Mattia. 1,690,625; Nov. 6.
- Counterbalancing means for lift bridges. S. Hardesty. 1,673,358; June 12.
- Counterbalancing means for multiple drills. J. M. Rusnak. 1,669,915; May 15.
- Counterbalancing means for vibrating devices. L. Simpson. 1,668,984; May 8.
- Counterbalancing mechanism. M. R. Hatch. 1,671,365; May 29.
- Counterbalancing system for engines. R. Wintzer. 1,692,914; Nov. 27.
- Counterbalances for motor cars, System of. E. A. Johnson. 1,687,296; Oct. 9.
- Counterboring head. W. E. Pabst. 1,684,804; Sept. 18.
- Counterflow treatment of petroleum oils. R. A. Halloran. 1,684,489; Sept. 18.
- Countersink machine. R. C. Phillips. 1,685,200; Sept. 25.
- Counterweight. J. G. Swain. 1,677,855; July 17.
- Counterweight apparatus for lift bridges and the like. S. Hardesty. 1,673,359; June 12.
- Counterweight, Band-wheel. G. E. Fentress. 1,678,286; July 24.
- Counterweight device. F. A. Valentine. 1,659,675; Feb. 21.
- Counting and dispensing machine, Pill. R. K. Claus. 1,677,546; July 17.
- Counting and stacking articles, Mechanism for. H. E. Ruckert. 1,695,982; Dec. 18.
- Counting apparatus, Fruit. F. Stebler. 1,690,756; Nov. 6.
- Counting mechanism. E. G. Beveridge. 1,676,939; July 10.
- Counting mechanism. W. A. De Hart. 1,685,481; Sept. 25.
- Coupler. H. Luft. 1,667,557; Apr. 24.
- Coupler, Air and steam line. F. Jacobs. 1,694,744; Dec. 11.
- Coupler attachment. J. A. Pilcher. 1,671,781-2; Aug. 21.
- Coupler, Car. L. D. Gregg. 1,695,281; Dec. 18.
- Coupler, Car. W. Kelso. 1,695,015; Dec. 11.
- Coupler, Car. W. J. Regan and W. Kelso. 1,695,024; Dec. 11.
- Coupler, Car. W. J. Regan and W. Kelso. 1,695,026; Dec. 11.
- Coupler, Car-pipe. J. Ware. 1,660,283; Feb. 21.
- Coupler-centering device. R. E. Powers. 1,673,469; June 12.
- Coupler, Chain. M. J. Frambach. 1,684,580; Sept. 18.
- Coupler, Electric. H. E. Van Dorn. 1,659,551; Feb. 14.
- Coupler for mine cars. A. D. and A. R. Koontz. 1,681,616; Aug. 21.
- Coupler, Hose. C. G. Cooper. 1,679,709; Aug. 7.
- Coupler-operating device, Car-. L. S. Pratt. 1,688,154; Oct. 16.
- Coupler pin, Spring-supported. S. B. Winn. 1,660,945; Feb. 28.
- Coupler-positioning device, Car-. L. B. Graham. 1,695,329; Dec. 18.
- Coupler-release rigging. W. J. Regan. 1,678,786; July 31.
- Coupler, Rod. J. D. Fitzgerald. 1,667,311; Apr. 24.
- Coupler shank and yoke connection. E. G. Goodwin. Re16,959; May 15.
- Coupler shank and yoke connection. J. C. Whitridge and G. T. Johnson. 1,684,209; Sept. 11.
- Coupler system, Car, air, and electric. E. A. Larsson. 1,663,802; Mar. 27.
- Coupler, Wire. J. Zilliox. 1,677,376; July 17.
- Coupler yoke. G. T. Johnson. 1,661,223; Mar. 6.
- Coupler yoke. J. A. Pilcher. 1,671,784; Aug. 21.
- Coupling. See—
- Adjustable coupling. Electric coupling.
- Battery-terminal coupling. Electrical coupling.
- Bend-chain coupling. Electric-circuit coupling.
- Belt coupling. Flexible coupling.
- Capacity coupling. Hose coupling.
- Car coupling. Hose or pipe coupling.
- Chain coupling. Hydrant coupling.
- Conduit coupling. Jump-ring coupling.
- Draft coupling. Locking coupling.
- Dummy coupling. Pipe coupling.
- Coupling. See—
- Railway coupling. Swivel coupling.
- Resilient coupling. Train coupling.
- Rod coupling. Train-pipe coupling.
- Shaft coupling. Trap coupling.
- Stovepipe-casing coupling. Universal coupling.
- Sucker-rod coupling.
- Coupling. J. Bijur. 1,682,720; Aug. 28.
- Coupling. E. W. Davis. 1,690,216; Nov. 6.
- Coupling. D. F. Fesler. 1,673,003; June 12.
- Coupling. H. D. Fitzgerald. 1,672,679; June 5.
- Coupling. S. B. Gold. 1,685,158; Sept. 25.
- Coupling. C. Kosnick. 1,691,817; Nov. 13.
- Coupling. E. J. Kroeger. 1,677,865; July 17.
- Coupling. R. C. F. Kurtze. 1,659,693; Feb. 21.
- Coupling. J. W. MacClatchie. 1,685,459; Sept. 25.
- Coupling. R. C. Newhouse. 1,687,035; Oct. 9.
- Coupling. H. S. Pierce. 1,695,343; Dec. 18.
- Coupling. S. B. Winn. 1,660,946; Feb. 28.
- Coupling and bearing, Combined. J. J. Keyser. 1,661,256; Mar. 6.
- Coupling and change-speed gear, Hydraulic. S. G. Wingquist. 1,673,542; June 12.
- Coupling and steering device for automobiles. A. W. Nordgren. 1,694,278; Dec. 4.
- Coupling and the like. J. Bijur. 1,682,721-2; Aug. 28.
- Coupling apparatus, Car-. H. K. Hitchcock. 1,679,472; Aug. 7.
- Coupling arrangement. W. Schaffer. 1,669,103; May 8.
- Coupling between radio apparatus and high-tension transmission line. P. Tatz. 1,681,560; Aug. 21.
- Coupling circuits of different impedance characteristics. D. F. Whiting. 1,691,098; Nov. 13.
- Coupling connector, Electric-cable. J. Higham. 1,685,420; Sept. 25.
- Coupling device. A. A. Goldstein. 1,693,077; Nov. 27.
- Coupling device. L. G. Tringant. 1,688,564; Oct. 23.
- Coupling device for rotatable elements. H. L. Tanner. 1,665,613; Apr. 10.
- Coupling device for transmission of power, Automatic. G. C. Maag. 1,686,827; Oct. 9.
- Coupling for head chains. W. J. Gagnon. 1,685,048; Sept. 18.
- Coupling for conduits. F. E. Roach. 1,684,516; Sept. 18.
- Coupling for fiber pipes. H. Parker. 1,686,498; Oct. 2.
- Coupling for rigid-frame units, Articulated. A. Franco. 1,678,428; July 24.
- Coupling for rotary members, Flexible. W. S. Dwyer. 1,659,353; Feb. 14.
- Coupling for sleeve-valve engines, Misalignment. J. A. Anglada. 1,670,293; May 22.
- Coupling in radiocircuits, Eliminating reactive. J. D. R. Freed. 1,671,959; May 29.
- Coupling link. W. M. McCullar. 1,661,487; Mar. 6.
- Coupling member. O. J. Herb. 1,679,863; Aug. 7.
- Coupling member for attaching devices. D. Marinsky. 1,681,549; Aug. 21.
- Coupling member or link. T. S. Edeburn. 1,667,541; Apr. 24.
- Coupling pin. J. A. Campo. 1,655,750; Jan. 10.
- Coupling pin for tractor trailer combination, Oscillatory. S. B. Winn. 1,660,947; Feb. 28.
- Coupling, toothed wheel, and the like, Yieldable. A. G. F. Wallgren. 1,673,959; June 19.
- Coupling with hand-directed tool, Power-shaft. H. Kouckourek. 1,674,400; June 19.
- Couplings and the like, Resilient intermediate member for jointed. H. Kattwinkel. 1,676,333; July 10.
- Couplings, Connective device for flexible. J. R. Hemeon. 1,658,441; Feb. 7.
- Couplings, Making pipe. L. R. Smith. 1,682,996; Sept. 4.
- Couplings, Manufacturing pipe. G. E. Mirfield. 1,685,678; Sept. 25.
- Coupon bank deposit book. W. H. Wilkes. 1,665,574; Apr. 10.
- Court for tennis and the like, Hard. G. J. Eilers. 1,690,059; Oct. 30.
- Cover. A. Lochok. 1,679,775; Aug. 7.
- Cover, Adjustable radiator. M. Luery. 1,690,740; Nov. 6.
- Cover adjuster, Outlet-box. J. G. Bennett. 1,688,518; Oct. 23.
- Cover and cap remover. S. Nemeth. 1,661,080; Feb. 28.
- Cover and clamp, Trap. H. G. Zimmerman. 1,688,171; Oct. 16.
- Cover and frame, Trench. E. W. N. Boosey. 1,680,280; Aug. 14.
- Cover and pail support, Combined barrel. E. E. Schulz. 1,696,418; Dec. 25.
- Cover, Automatic slide. J. B. Mondloch. 1,679,912; Aug. 7.
- Cover back and hinge. G. Mangialetti. 1,676,865; July 10.
- Cover, Box. E. Arnold and H. Templeton. 1,695,222; Dec. 11.
- Cover, Box. F. J. Schleicher. 1,694,892; Dec. 11.
- Cover, Burial-receptacle. W. B. Muckleroy. Des. 77,116; Dec. 4.
- Cover, Can. C. F. Larsen. 1,678,399; July 24.
- Cover clamp, Card-table. J. R. Burn. Des. 76,229; Sept. 4.
- Cover, Desk. S. J. Roberts. 1,689,890; Oct. 30.
- Cover for an electrical switch box. O. A. Bronson. Des. 76,227; Sept. 4.
- Cover for bathtubs, Protective. J. M. Howlett. 1,686,560; Oct. 9.

- Cover for books, binders, and the like. P. O. Unger. 1,684,335; Sept. 11.
- Cover for conduit fittings. E. W. N. Boosey. 1,680,279; Aug. 14.
- Cover for conduit-outlet boxes. J. T. Pearson and R. H. Olley. 1,681,594; Aug. 21.
- Cover for containers, Display. H. G. Kuck. 1,669,875; May 15.
- Cover for cooking vessels, Safety. B. A. Kraftt. 1,676,146; July 3.
- Cover for dental drill handpieces. W. Ogilvie. 1,691,823; Nov. 13.
- Cover for freezer cans, Removable sanitary. E. Eberhart. 1,686,314; Oct. 2.
- Cover for garbage cans. H. Kielberg. 1,681,587; Aug. 21.
- Cover for garbage cans, Sanitary. W. J. Egan. 1,682,491; Aug. 28.
- Cover for ice-cream cones, Sanitary. E. F. Gingras. 1,669,237; May 8.
- Cover for ice-tray compartments in refrigerating apparatus, Detachable. H. R. Loranger. 1,679,615; Aug. 7.
- Cover for infants' toilets, Seat. G. M. Berentsen. 1,676,243; July 10.
- Cover for loose-leaf books. C. D. Trussell. 1,669,432; May 15.
- Cover for oil tanks, Manhole. A. E. Nelson. 1,680,060; Aug. 7.
- Cover for publications. I. S. Betts. Des. 76,847; Nov. 13.
- Cover for tanks, Breather. J. S. Patten. 1,693,958; Dec. 4.
- Cover for tire-valve apertures. E. A. Nelson. 1,693,859; Dec. 4.
- Cover for toilet seats, Paper. H. M. Saxon. 1,682,987; Sept. 4.
- Cover for toilets. A. Little. Des. 75,822; July 31.
- Cover for underground fuel tanks. W. L. Wells. 1,672,185; June 5.
- Cover for vehicles. J. H. Sparshatt. 1,681,062; Aug. 14.
- Cover for vehicle tires, Protective. F. Mott. 1,667,980; May 1.
- Cover for washing-machine tubs. F. W. Juengst. 1,678,516; July 24.
- Cover, Grave. W. Buel. 1,683,654; Sept. 11.
- Cover, Hatch. J. W., and W. Isherwood. 1,679,526; Aug. 7.
- Cover, Hatch. J. F. Mackin. 1,692,782; Nov. 20.
- Cover holder, Garbage-can. M. M. Madden. 1,672,819; June 5.
- Cover, Manhole. J. P. Heil. 1,683,823; Sept. 11.
- Cover, Manhole. E. T. McHugh. 1,694,133; Dec. 4.
- Cover, Milk-bottle. C. T. Raschick. 1,682,090; Aug. 28.
- Cover, Milk can. P. F. Rauen. 1,678,953; July 31.
- Cover or analogous article, Table. E. Thorne. Des. 77,335; Dec. 25.
- Cover paper or the like. W. B. Pitts. Des. 76,702; Oct. 23.
- Cover paper or the like. T. L. Stone. Des. 75,454; June 5.
- Cover piece for lawn-tennis balls. J. Dolman. Des. 75,226; May 22.
- Cover plate for cable channels and the like. R. Tutsch. 1,689,646; Oct. 30.
- Cover, Register dust. M. J. Wright. 1,694,089; Dec. 4.
- Cover, Removable card-table. M. S. and J. Diamond. 1,684,173; Sept. 11.
- Cover, Sanitary headrest. C. C. Martz. 1,696,775; Dec. 25.
- Cover, Slip. A. Cohen. 1,695,244; Dec. 11.
- Cover, Street-manhole. H. and W. J. Loudenslager. 1,683,865; Sept. 4.
- Cover, Switch-box. G. O. Wilms. Des. 76,275; Sept. 4.
- Cover, Telescoping cabinet. J. A. Sebring. 1,696,456; Dec. 25.
- Cover, Terminal. R. Ehornfeld. 1,678,852; July 31.
- Cover, Tire. W. T. Sutherland. 1,684,420; Sept. 18.
- Cover, Toilet-seat. J. M. Weed. 1,682,648; Aug. 28.
- Cover, Tub. C. S. Johnson. 1,663,988; Mar. 27.
- Cover, Tub. M. Smith. 1,678,306; July 24.
- Cover, Vehicle tire. T. J. McCormick. 1,696,009; Dec. 18.
- Cover with fastener, Box or casing. H. W. Clark. 1,684,983; Sept. 18.
- Coveralls. H. C. Hanson. 1,682,785; Sept. 4.
- Covering and lining device, Grave. G. A. Stark. 1,675,770; July 3.
- Covering apparatus, Box. R. G. Clark. 1,680,764; Aug. 14.
- Covering articles and the product resulting therefrom. H. I. Beadle. 1,685,393; Sept. 25.
- Covering device, Protective. L. Kanowitz. 1,666,601; Apr. 17.
- Covering for aluminum bodies and making same, Protective. W. C. Peterson. 1,672,280; June 5.
- Covering for bathtubs and the like. R. E. Henry. 1,681,294; Aug. 21.
- Covering for mop handles, Cushion. L. Stoessel. 1,684,604; Sept. 18.
- Covering from cores, Method of and apparatus for removing the. R. Palmer. 1,656,755; Jan. 17.
- Covering, Head. H. T. Blum. 1,683,233; Sept. 4.
- Covering material and making the same, Flexible. J. A. Wilson. 1,685,893; Oct. 2.
- Covering the openings in perforated covers for containers with paper or like material, Apparatus for. C. A. Alexanderson. 1,681,718; Aug. 21.
- Covering, Wall. P. Rossi. 1,685,573; Sept. 25.
- Coverings on the handles of playing clubs, Apparatus for positioning elastic tubular. C. W. Hamel. 1,669,053; May 8.
- Cowl ventilator. R. Beringer. 1,694,764; Dec. 11.
- Cowl ventilator. G. E. Grimm. 1,666,874; Apr. 17.
- Cowl ventilator. J. Ledwinka. 1,681,942; Aug. 28.
- Cowl with wind channels, Stationary. J. Kamps. 1,691,393; Nov. 13.
- Cow-tail holder. A. Volence. 1,663,287; Mar. 20.
- Cow-tail holder. R. Wyllie. 1,667,578; Apr. 24.
- Crab trap. B. F. Lewis. 1,670,039; May 15.
- Cracker can, Interchangeable-cover. A. Pittelkow. 1,676,621; July 10.
- Cracker can, Knockdown sheet-metal. J. M. Hothersall. 1,657,084; Jan. 24.
- Cracker, Nut. R. H. Lake. 1,656,487; Jan. 17.
- Cracking and rectifying petroleum oils and the like, Method and apparatus for. J. M. Wadsworth. 1,692,476; Nov. 20.
- Cracking mineral oil. A. E. Pew, jr., and H. Thomas. 1,692,786; Nov. 20.
- Cracking oil, Apparatus for. G. Egloff and W. R. Howard. 1,683,766; Sept. 11.
- Cracking oils. J. G. Alther. 1,685,476; Sept. 25.
- Cracked ware and a semifinished blank therefor. D. L. Middendorf. 1,679,437; Aug. 7.
- Cradle. P. W. Anderson. 1,676,420; July 10.
- Cradle. O. J. Lund. 1,676,100; July 3.
- Cradle carriage, Automatic reversing self-rocking. H. H. Millard. 1,662,754; Mar. 13.
- Cradle mounting, Flexible. H. G. Jungk. 1,678,860; July 31.
- Craft, Marine. E. E. Baldwin. 1,656,411; Jan. 17.
- Craft, Sailing. M. and T. A. McIntyre. 1,670,936; May 22.
- Cramp preventive, Automatic. W. I. Ballentine and P. R. Thompson. 1,663,790; Mar. 27.
- Crane. B. F. Fitch. 1,674,967; June 26.
- Crane. G. E. Moore. 1,671,252; May 29.
- Crane. H. R. Straight. 1,694,084; Dec. 4.
- Crane and shovel convertible operating mechanism. L. A. Russell. 1,676,353; July 10.
- Crane attachment. E. H. Lichtenberg. 1,678,010; July 24.
- Crane for lifting railroad vehicles, Overhead traveling. J. Rosenthal. 1,685,724; Sept. 25.
- Crane grab, Automatic. F. Gerdes. 1,673,237; June 12.
- Crane, Ladle. H. M. Lane. 1,683,472; Sept. 4.
- Crane, Portable. L. S. Shaffer. 1,696,174; Dec. 18.
- Crane safety device. B. F. Fitch. 1,657,670; Jan. 31.
- Crane, Skimmer-scoop. J. E. Kirkham. 1,692,452; Nov. 20.
- Crane, Wrecking. E. W. Holmes. 1,657,674; Jan. 31.
- Crank and like case. E. Fejes. 1,694,535; Dec. 11.
- Crank-case dilution in internal-combustion engines, Reducing. E. W. Evans. 1,669,977; May 15.
- Crank-case implement. H. A. McGowan. 1,668,245; May 1.
- Crank-case vent. C. C. Farmer. 1,685,841; Oct. 2.
- Crank handle. F. J. Wekwert. 1,668,578; May 8.
- Crank, Sash-actuating. H. L. Wheeler. 1,659,506; Feb. 14.
- Crank-setting device, Eccentric. G. W. Hain. 1,670,849; May 22.
- Crank shaft. A. Hirth. 1,690,296; Nov. 6.
- Crank shaft. H. Junkers. 1,661,181; Mar. 6.
- Crank shaft and making same, Counterweighted. A. J. Larcher. 1,660,171; Feb. 21.
- Crank-shaft pins, Machine for milling. A. J. Gifford and B. S. T. Bishop. 1,671,761; July 17.
- Crank shaft, Six-throw four-bearing balance. J. A. Oldson. 1,661,341; Mar. 6.
- Crate. A. A. Berndt. 1,656,161; Jan. 17.
- Crate. E. A. and A. C. Brodtkorb. 1,673,180; June 12.
- Crate. C. Flagstad. 1,690,896; Nov. 6.
- Crate. S. O. Wood. 1,692,915; Nov. 27.
- Crate. C. A. Woolsey. 1,665,245; Apr. 10.
- Crate and cover, Bathtub shipping. P. M. Bees. 1,679,891; Aug. 7.
- Crate and making same. W. H. McCrery. 1,655,793; Jan. 10.
- Crate and packing it, Knockdown fruit. O. D. Gibbs. 1,672,453; June 5.
- Crate, Bottle. L. W. Macomber. 1,690,418; Nov. 6.
- Crate, Bottle. E. Trautman. 1,684,898; Sept. 18.
- Crate, Bottle. R. D. Tyler. 1,691,617; Nov. 13.
- Crate, Bottle. J. Van Geem. 1,693,165; Nov. 27.
- Crate, Collapsible. C. Flagstad. 1,661,419; Mar. 6.
- Crate, Collapsible. C. Flagstad. 1,687,331; Oct. 9.
- Crate, Collapsible. T. S. Huston. 1,665,266; Apr. 10.
- Crate, Egg. B. A. Lange. 1,661,764; Mar. 6.
- Crate, Folding. J. M. Allen. 1,675,319; July 3.
- Crate, Folding. T. D. Dershimer. 1,682,489; Aug. 28.
- Crate, Folding. F. Morrogh. 1,681,996; Aug. 28.
- Crate, Folding. A. W. Wagoner. 1,688,253; Oct. 16.
- Crate for luminous tubes or other fragile articles, Transporting. R. J. McRae. 1,687,630; Oct. 16.
- Crate, Metal. W. F. Schulz. 1,669,214; May 8.
- Crate, Sheet-metal. C. L. Lippincott. 1,693,906; Dec. 4.
- Crate, Shipping. L. Smith. 1,655,880; Jan. 10.
- Crate, Shipping. L. Smith. 1,670,752; May 22.
- Crate, Shipping. R. Steele. 1,681,063; Aug. 14.
- Crate, Shipping. D. Taylor. 1,663,102; Mar. 20.
- Crate, Shipping. E. A. Troutman. 1,673,168; June 12.
- Crate, Steaming. P. Daugert, H. Frey, and J. J. Dunleavy. 1,677,385; July 17.
- Crating furniture, Method of and apparatus for. A. P. Kivlin. 1,694,508; Dec. 11.

- Cravat or tie, Machine-stitched. A. A. Baker. 1,681,079; Aug. 14.
- Cravats or neckties, Container for. J. J. A. Heymen. 1,662,039; Mar. 6.
- Crayon and scissors holder. Kindergarten. H. B. Schwartz. 1,662,077; Mar. 13.
- Cream and preparing the same, Massage and cleansing. M. E. Hall. 1,668,503; May 1.
- Cream cooler. N. Ramgren. 1,664,704; Apr. 3.
- Cream, Producing agglomerated. C. E. North. 1,678,476; July 24.
- Cream separator. J. A. Frisk. 1,683,882; Sept. 11.
- Cream separator. P. M. and D. T. Sharples. 1,676,165; July 3.
- Cream whipper. A. C. Guhl. 1,691,282; Nov. 13.
- Crease retainer. F. Foster. 1,687,158; Oct. 9.
- Creasing, Upper. H. A. Ballard. 1,655,124; Jan. 3.
- Creel. E. A. De Wolf. 1,660,299; Feb. 21.
- Creel for use with warping and beaming machines and the like or for use with looms for weaving or other machines. G. Kershaw. 1,670,726; May 22.
- Creels, Yarn-compensating device for. J. O. McKean. 1,695,814; Dec. 18.
- Creepers and stool, Combined. C. Radvanyi. 1,668,379; May 1.
- Creme and method of and apparatus for making the same. W. E. Cannard. 1,680,203; Aug. 7.
- Creping of paper. D. W. Hudson. 1,690,411; Nov. 6.
- Crib. W. C. Baxter. 1,695,571; Dec. 18.
- Crib. A. G. Feldman. 1,692,083; Nov. 20.
- Crib. F. F. Morrison. 1,661,230; Mar. 6.
- Crib. D. M. and B. H. Kennedy. 1,689,782; Oct. 30.
- Crib and adjustable spring-bottom support therefor. F. Kusterle. 1,694,659; Dec. 11.
- Crib, Baby. P. Arnao. Des. 74,587; Mar. 6.
- Crib, Child's. T. J. Goodrum. 1,670,536; May 22.
- Crib or bed and the like structure. C. Vallone. 1,678,237; July 24.
- Cribbing. E. C. Alexander. 1,666,250; Apr. 17.
- Cribbing, Reinforced-concrete. J. M. Fitzgerald. 1,688,305; Oct. 16.
- Cribs, Mechanism for wheeling. V. Weinberger, and M. Jakobovits. 1,656,655; Jan. 17.
- Crier. J. H. Wilhelm. 1,693,675; Dec. 18.
- Crimper. W. S. Lewis. 1,667,556; Apr. 24.
- Cross-arm clamp. A. W. Malone. 1,667,558; Apr. 24.
- Cross-arm mounting. A. M. Seeger. 1,671,747; May 29.
- Cross arms and insulator pins, Reduction of attenuation due to the conductance losses in. C. S. Gordon and J. T. Lowe. 1,687,556; Oct. 16.
- Crossbar for motor-cycle handle bars. J. Lake, jr. Des. 74,931; Apr. 17.
- Crosshead. H. E. Peet and C. B. Noyes. 1,668,976; May 8.
- Crosshead gib, Self-oiling. S. W. Crawford. 1,661,790; Mar. 6.
- Crosshead puller. F. I. Rowley. 1,674,301; June 19.
- Crossheads, Wearing element for. J. T. Luscombe and T. Windle. 1,658,019; Jan. 31.
- Crossing barrier, Automatic. C. F. Seitz. 1,671,875; May 29.
- Crossing gate, Automatic. E. L. Savold. 1,659,051; Feb. 14.
- Crossing gate, Automatic folding. J. M. Williams. 1,694,298; Dec. 4.
- Crossing gate, Highway-. J. A. Anderson. 1,685,623; Sept. 25.
- Crossing, Railway highway. H. E. Muchnic. 1,684,924; Sept. 18.
- Crossing signal. J. W. Kennedy. 1,665,592; Apr. 10.
- Crossing signal. C. F. Morgan. 1,673,841; June 19.
- Crossing signal. J. A. Morrison. 1,683,690; Sept. 11.
- Crossing signal. J. T. Tullis. 1,675,997; July 3.
- Crossing signal, Automatic railway. A. Franzen. 1,680,605; Aug. 14.
- Crossing signal, Railroad-. C. H. Taylor. 1,689,165; Oct. 23.
- Crossing signal, Railway-. G. Dalén. 1,680,767; Aug. 14.
- Crostie. J. E. Christy and J. F. Sloan. 1,666,810; Apr. 17.
- Crotonaldehyde from acetaldehyde and aldol, Manufacture of. E. Lüscher. 1,693,907; Dec. 4.
- Crowbar attachment. E. C. Carlson. 1,666,842; Apr. 17.
- Crowding mechanism. C. G. Wagner, and J. M. Kerr. 1,660,142; Feb. 21.
- Crown and pendant, Dustproof. A. W. Wadsworth, and A. P. Conant. 1,660,310; Feb. 21.
- Crown block. E. O. Bennett. 1,673,346; June 12.
- Crown block. G. J. Cormier. 1,669,656; May 15.
- Crown block. W. S. Evans. 1,679,327; July 31.
- Crown-block apparatus. T. F. Campbell. 1,691,430; Nov. 13.
- Crowning machine. W. V. Derby. 1,668,305; May 1.
- Crucible. E. L. Hauman. 1,673,115; June 12.
- Crucible, Centrifugal liquid. J. Maximoff and M. S. de Costa. 1,684,800; Sept. 18.
- Crucibles, Baking the linings of. F. Stöhr. 1,675,735; July 3.
- Crude-oil motor, High-pressure. E. Schaeren. 1,693,963; Dec. 4.
- Cruet stand. A. J. Flauder. Des. 74,215; Jan. 10.
- Crusher. See—
Fruit crusher. Rock crusher.
Ice crusher. Roll crusher.
- Crusher. J. A. Dormer and J. G. Malone. 1,692,161; Nov. 20.
- Crusher. W. E. Keine. 1,656,004; Jan. 10.
- Crusher. H. H. Rumpel. 1,691,553; Nov. 13.
- Crusher. H. J. Shelton. 1,670,748; May 22.
- Crusher. H. J. Shelton. 1,696,213; Dec. 25.
- Crusher and grinding mill, Combined. F. Gross. 1,674,434; June 19.
- Crusher roll. C. B. Rogers. 1,670,381; May 22.
- Crushing and separating apparatus. P. L. Crowe. 1,654,638; Jan. 3.
- Crushing apparatus. P. L. Crowe. 1,654,639; Jan. 3.
- Crushing apparatus. S. F. Ossing. 1,681,779; Aug. 21.
- Crushing, grinding, and refining machine. S. Bramley-Moore. 1,692,884; Nov. 27.
- Crushing machine. P. L. Crowe. 1,696,387; Dec. 25.
- Crushing machine. J. A. Dormer and J. G. Malone. 1,666,530; Apr. 17.
- Crushing machine. W. K. Liggett. 1,694,423; Dec. 11.
- Crushing machinery, Cage-adjusting mechanism for. C. R. Rouse. 1,695,562; Dec. 18.
- Crushing material, Apparatus for. A. J. Haug. 1,682,511; Aug. 28.
- Crushing mill, Conical. H. Ackermann and W. Langenheim. 1,656,895; Jan. 24.
- Crushing mill, Conical. C. F. Smith, A. C. Thiele, and L. P. Walker. 1,663,355; Mar. 20.
- Crushing of sugar cane. H. W. Aitken. 1,674,150; June 19.
- Crustacea, Treating. J. J. Barry. 1,677,579; July 17.
- Crutch attachment. H. F. Frantz. 1,684,697; Sept. 18.
- Crutch pad. J. A. Weiss. 1,673,609; June 12.
- Crutches and canes, Tip for. F. C. Atkinson. 1,663,622; Mar. 27.
- Cryptogram. W. R. Summers. 1,681,066; Aug. 14.
- Cryptographic apparatus. V. Vita. 1,659,543; Feb. 14.
- Crystal apparatus, Piezo-electric. A. Hund. 1,688,714; Oct. 23.
- Crystal apparatus, Piezo-electric. C. B. Mirick and A. Crossley. 1,683,093; Sept. 4.
- Crystal-calibrator apparatus. R. H. Worrall. 1,673,173; June 12.
- Crystal detector. F. E. Mann. 1,666,462; Apr. 17.
- Crystal detector. F. J. Martin. 1,670,589; May 22.
- Crystal holder, Piezo-electric. C. B. Mirick. 1,683,091-2; Sept. 4.
- Crystal, Piezo-electric. A. Crossley. 1,696,627; Dec. 25.
- Crystalline dextrose, High-purity. W. B. Newkirk. 1,693,118; Nov. 27.
- Crystallization apparatus. W. Seidel. 1,679,055; July 31.
- Crystallization of solid substances in a coarse granular form from solutions. I. Isaachsen. 1,693,786; Dec. 4.
- Crystallization of the body dissolved therein, Producing in a solution the. A. Delas. 1,677,551; July 17.
- Cue, Billiard. J. R. Carmichael. 1,679,073; July 31.
- Cue rack or the like. T. Drost. 1,683,533; Sept. 4.
- Cuff button or similar article. F. C. Rile. Des. 75,807; July 17.
- Cuff construction. J. H. Anderson. 1,685,305; Sept. 25.
- Cuff, Cotton-pickers. W. C. French. 1,685,808; Oct. 2.
- Cuff for men's shirts, blouses, and the like, Double-sided. J. Lanz. 1,676,397; July 10.
- Cuff link. C. W. Easley. 1,686,235; Oct. 2.
- Cuff link. J. Pelchar. Des. 75,806; July 17.
- Cuff link. V. B. Rogers. 1,693,993; Dec. 4.
- Culinary package. W. M. Ingram. 1,673,625; June 12.
- Culinary package. W. M. Ingram. 1,673,684; June 12.
- Culinary packages, Making. W. M. Ingram. 1,673,749; June 12.
- Cullet dump for leers. T. E. Beach. 1,680,361; Aug. 14.
- Cultivating implement. M. Oakland. 1,683,395; Sept. 4.
- Cultivator. R. Aarvig. 1,683,008; Sept. 4.
- Cultivator. R. J. Altgelt. 1,686,546; Oct. 9.
- Cultivator. L. I. Andrew. 1,668,301; May 1.
- Cultivator. E. M. Becker. 1,664,344; Mar. 27.
- Cultivator. W. Bensen. 1,687,422; Oct. 9.
- Cultivator. E. Best and L. R. Vines. 1,690,525; Nov. 6.
- Cultivator. H. W. Bolens. 1,685,903; Oct. 2.
- Cultivator. J. L. Brack. 1,675,636; July 3.
- Cultivator. L. Brenneis. 1,685,478; Sept. 25.
- Cultivator. O. M. Bullock. 1,657,064; Jan. 24.
- Cultivator. P. Cantin. 1,677,329; July 17.
- Cultivator. J. E. and J. K. Coleman. 1,686,900; Oct. 9.
- Cultivator. S. K. Dennis. 1,667,374; Apr. 24.
- Cultivator. G. A. Flood. 1,696,710; Dec. 25.
- Cultivator. A. D. Gallagher. 1,684,218; Sept. 11.
- Cultivator. G. Geraldson. 1,668,067; May 1.
- Cultivator. R. H. Goodman. 1,687,200; Oct. 9.
- Cultivator. W. Grams. 1,669,049; May 8.
- Cultivator. W. T. Johnson. 1,670,771; May 22.
- Cultivator. S. Kennedy, jr. 1,689,249; Oct. 30.
- Cultivator. P. N. Moody. 1,690,790; Nov. 6.
- Cultivator. T. A. Moore. 1,665,559; Apr. 10.
- Cultivator. F. Ratcliff. 1,673,202; June 12.
- Cultivator. G. W. Ray. 1,680,914; Aug. 14.
- Cultivator. E. A. Schumacher and H. E. Wessling. 1,690,252; Nov. 6.
- Cultivator. C. G. Strandlund. 1,654,561; Jan. 3.
- Cultivator. C. G. Strandlund. 1,659,381; Feb. 14.
- Cultivator. J. Washington. 1,667,878; May 1.
- Cultivator. J. F. Wilgus. 1,667,367; Apr. 24.
- Cultivator, Adjustable disk. J. B. Hickam. 1,660,791; Feb. 28.
- Cultivator and weed destroyer. D. W. Warner. 1,676,172; July 3.
- Cultivator and weeder. A. L. Ritter. 1,682,538; Aug. 28.

- Cultivator attachment. F. J. Bass. 1,656,133; Jan. 10.
 Cultivator attachment. I. C. Emmons. 1,659,090; Feb. 14.
 Cultivator attachment. B. L. Fowler and J. J. Smith. 1,685,844; Oct. 2.
 Cultivator attachment. L. Morrison and J. O. Simmons, sr. 1,682,182; Aug. 28.
 Cultivator attachment. W. Nilson. 1,658,298; Feb. 7.
 Cultivator attachment. H. W. Waldmann. 1,667,643; Apr. 24.
 Cultivator attachment. C. Wilson. 1,661,985; Mar. 6.
 Cultivator, Automotive. J. Burnett. 1,656,773; Jan. 17.
 Cultivator blade. B. R. Benjamin. 1,685,268; Sept. 25.
 Cultivator blade. L. E. Troyer. 1,654,765; Jan. 3.
 Cultivator fender. A. H. Niewald. 1,662,201; Mar. 13.
 Cultivator-guiding device. I. A. Polus. 1,656,337; Jan. 17.
 Cultivator, Hand. I. W. Borden. 1,670,952; May 22.
 Cultivator, Hand. C. B. Herning. 1,696,678; Dec. 25.
 Cultivator, Meadow. H. Heitmeier. 1,674,779; June 26.
 Cultivator, Motor-propelled. J. Dain. 1,667,843; May 1.
 Cultivator, Roller. I. F. Stem and J. H. Glaze. 1,696,654; Dec. 25.
 Cultivator shield. J. P. Seaholm. 1,674,666; June 26.
 Cultivator shovel. P. H. Baxter. 1,671,664; May 29.
 Cultivator shovel. J. C. Mecklenburg. 1,666,393; Apr. 17.
 Cultivator shovel, Self-cleaning. J. J. De Vries. 1,692,250; Nov. 20.
 Cultivator-shovel structure. C. H. Kyrklund. 1,691,292; Nov. 13.
 Cultivator-shovel structure. C. Osmundson. 1,693,047; Nov. 27.
 Cultivator, Subsoil. C. I. Roberts and B. F. Collier. 1,661,305; Mar. 6.
 Cultivator teeth. A. J. Peterson. 1,677,596; July 17.
 Cultivator, Tractor. B. R. Benjamin and C. R. Raney. 1,667,371; Apr. 24.
 Cultivator, Tractor. W. S. Graham and A. D. Gallagher. 1,663,249; Mar. 20.
 Cultivator, Tractor. I. K. Kreider. 1,687,457; Oct. 9.
 Cultivator, Two-row. C. G. Strandlund. 1,670,912; May 22.
 Cultivator, weeder, and digger. A. R. Tenger. 1,677,803; July 17.
 Cultivators, Adjuster means for lister. P. A. Denison. 1,655,456; Jan. 10.
 Cultivators, Attachment for lister. L. Johnson. 1,664,254; Mar. 27.
 Cultivators, Chopper attachment for. J. W. Hutchins. 1,674,551; June 19.
 Cultivators, Crust-breaking attachment for beet. C. Powers. 1,655,737; Jan. 10.
 Cultivators or plows, Attachment for. P. Ryan. 1,665,178; Apr. 3.
 Cultivators, Plant guard for. J. Hlavka. 1,696,680; Dec. 25.
 Cultivators, Rake attachment for. J. Hoyle and S. T. Short. 1,682,967; Sept. 4.
 Cultivators, Seeding attachment for. W. Rohlfesen. 1,656,831; Jan. 17.
 Cultivators, Tooth support for. H. Smith. 1,656,838; Jan. 17.
 Culvert, Concrete. J. B. Fender. 1,694,736; Dec. 11.
 Culvert, Road. J. M. Morgan. 1,662,714; Mar. 13.
 Cup. See—
 Golf cup. Paper cup.
 Golf-green cup. Phonograph-needle cup.
 Golf or putting cup. Sputum cup.
 Grease cup. Swab cup.
 Lubricant cup. Teat cup.
 Oil cup. Test cup.
 Cup. T. M. Cleland. Des. 75,773; July 17.
 Cup. F. A. Sebring. Des. 75,525; June 12.
 Cup and saucer. J. L. Mander. 1,666,389; Apr. 17.
 Cup and the like, Drinking. A. S. Pinckney. 1,692,951; Nov. 27.
 Cup dispenser. C. Barbieri. 1,657,850; Jan. 31.
 Cup dispenser. C. Barbieri. 1,661,455; Mar. 6.
 Cup dispenser. F. L. Borchert. 1,683,950; Sept. 11.
 Cup dispenser. H. Carle. 1,657,879; Jan. 31.
 Cup dispenser. E. G. Wessman. 1,662,650; Mar. 13.
 Cup-dispensing machine. F. Graffenberger. 1,666,008; Apr. 10.
 Cup-dispensing mechanism. M. F. Wooten, L. R. Bivins, and R. M. Nicholas. 1,660,247; Feb. 21.
 Cup-feed machines, Feeding mechanism for. J. R. Mofatt. 1,671,439; May 29.
 Cup or article of analogous nature, Candle. N. Lipsky. Des. 76,945; Nov. 20.
 Cup or similar article. H. L. Budd. Des. 75,409; June 5.
 Cup or similar article, Paper. J. Johnson. Des. 74,793; Mar. 27.
 Cups, glasses, and the like, Apparatus for washing. V. Casoletti. 1,656,344; Jan. 17.
 Cups, Handled nested. G. E. Savage. 1,665,179; Apr. 3.
 Cupboard. A. H. F. Marohn. 1,663,990; Mar. 27.
 Cupboard and transporting chest, Combined folding. T. M. Wood. 1,655,884; Jan. 10.
 Cupboard, Antproof. B. S. Bassett. 1,692,609; Nov. 20.
 Cupola. A. E. Baillet. 1,678,899; July 31.
 Cupola. A. H. Coplan. 1,675,255; June 26.
 Cupola furnace. O. Weichel and W. Hollinderbäumer. 1,668,133; May 1.
 Cupola with forehearth. H. Luvken. 1,681,043; Aug. 14.
 Curb form. E. T. Harrold. 1,664,169; Mar. 27.
 Curb guard, Sectional. P. Moyer. 1,659,830; Feb. 21.
 Curbings. C. L. Keddy. 1,657,012; Jan. 24.
 Curbstone, Draining. A. R. Von Keller. 1,656,653; Jan. 17.
 Curds into cheese by treatment with salts, Transforming pieces of. R. von der Heide. 1,676,121; July 3.
 Curing device, Ham. E. Hansen and P. J. Ramion. 1,684,865; Sept. 18.
 Curing meats. E. T. Drake. 1,685,630; Sept. 25.
 Curing ripe olives. G. S. Hewett. 1,695,489; Dec. 18.
 Curier, Electrical hair. A. H. Opperman. 1,665,472; Apr. 10.
 Curier, Eyelash. C. H. Locke. 1,692,341; Nov. 20.
 Curier, Hair. M. Boxer. 1,667,188; Apr. 24.
 Curier, Hair. F. Capdevilla. 1,661,747; Mar. 6.
 Curier, Hair. C. F. Donart. 1,673,234; June 12.
 Curier, Hair. L. M. Smidt. 1,666,269; Apr. 17.
 Curier, Hair. L. Steiner. 1,695,442; Dec. 18.
 Curier, Hair-waving. C. Nessler. 1,679,488; Aug. 7.
 Curling and waving device, Hair. N. Simmons. 1,673,127; June 12.
 Curling apparatus, Hair. P. Kunin. 1,666,574; Apr. 17.
 Curling appliance, Hair. F. M. Little. 1,682,345; Aug. 28.
 Curling device, Hair. A. F. Godefroy. 1,695,545; Dec. 18.
 Curling instrument. T. T. Rissinger. 1,665,327; Apr. 10.
 Curling iron. F. F. Forshee. 1,665,919; Apr. 10.
 Curling iron. H. D. Gursky. 1,657,306; Jan. 24.
 Curling iron. J. A. Quinn. 1,666,469; Apr. 17.
 Curling iron, Electric. A. J. Mottlau. 1,675,373; July 3.
 Curling iron, Hair. E. K. Hussey. 1,691,244; Nov. 13.
 Curling-iron heater. H. G. Levy. 1,665,746; Apr. 10.
 Curling machine. O. Hedstrom. 1,675,296; June 26.
 Curling means, Hair. M. Rogler. 1,694,672; Dec. 11.
 Current-ballasting device. A. W. Ziegler. 1,690,566; Nov. 6.
 Current collector, Electric. G. W. Bower. 1,658,703; Feb. 7.
 Current-conducting apparatus. F. H. Matthew, M. A. Broadbent, and F. C. B. Vosgerau. 1,692,087; Nov. 20.
 Current connector. M. F. Fitzgerald. 1,659,464; Feb. 14.
 Current-control device. W. J. Thayer. 1,660,979; Feb. 28.
 Current control system, Alternating-electric. E. B. Thurston. 1,661,022; Feb. 28.
 Current-controlling device. W. R. Ballard. 1,685,801; Oct. 2.
 Current-controlling device. T. J. Madigan. 1,659,779; Feb. 21.
 Current device, Alternating. B. E. Lenehan. 1,665,854; Apr. 10.
 Current device, Intermittent. J. W. Phelps. 1,672,859; June 5.
 Current electromagnetically-operated device, Alternating. W. C. Stevens and A. Simon. 1,674,747; June 26.
 Current-flow indicator. C. Berger. 1,657,103; Jan. 24.
 Current generator, Two-voltage direct. L. Dreyfus. 1,665,691; Apr. 10.
 Current induction. A. H. Davis, Jr. 1,680,595; Aug. 14.
 Current leakage in electric cables, Preventing. H. R. Searing and E. Williams. 1,670,218; May 15.
 Current machines, Synchronization of alternating. R. Michl. 1,667,794; May 1.
 Current magnet, Alternating. C. H. Rippl. 1,661,345; Mar. 6.
 Current measurements, Method and arrangement for comparative alternating. D. Albrecht. 1,689,660; Oct. 30.
 Current-metering system, Direct. J. Harris. 1,657,882; Jan. 31.
 Current modification, Electrical. C. G. Smith. 1,679,448; Aug. 7.
 Current motor. C. J. Baer. 1,687,923; Oct. 16.
 Current motor. H. I. Hohlt. 1,656,485; Jan. 17.
 Current motor. J. R. Meekins. 1,667,634; Apr. 24.
 Current motor, Alternating. S. G. Nottage. 1,662,508; Mar. 13.
 Current motor, Alternating. L. M. Perkins. 1,686,637; Oct. 9.
 Current motor, Alternating. H. Weichsel. 1,668,177; May 1.
 Current motor, Alternating. H. Weichsel. 1,675,677; July 3.
 Current motor, Alternating. H. Weichsel. 1,694,460; Dec. 11.
 Current motor, Alternating. H. Weichsel and B. McCormick. 1,691,747; Nov. 13.
 Current produced by vapor rectifiers, Device for controlling the. P. M. G. Toulon. 1,654,950-1; Jan. 3.
 Cutter and stripper, Wire. A. Bollerman. 1,685,977; Oct. 2.
 Cutter and weeder, Vine. W. H. Phillips. 1,689,452; Oct. 30.
 Cutter attachment. F. A. Leigh. 1,685,590; Sept. 25.
 Cutter-clearance gauge. F. L. Gillett. 1,687,649; Oct. 16.
 Cutter cone for well drills. F. L. Scott and L. H. Wellensiek. 1,694,869; Dec. 11.
 Cutter for butter, bread, and the like, Slicing. J. S. Donnellan. 1,685,533; Sept. 25.
 Cutter for circular-mandrel tubes, Electrical. E. C. Kastner. 1,691,763; Nov. 13.
 Cutter for cutting sharply-pointed angular incisions into wood, Milling. H. Ohagen. 1,685,373; Sept. 25.

- Cutter for generating gears. W. E. Sykes. 1,668,345; May 1.
- Cutter for ice cream and similar products. R. H. Arrowood. 1,677,115; July 10.
- Cutter for planing gear teeth. O. Severson. 1,689,973; Oct. 30.
- Cutter for tree lamps, Making. L. L. Raymond. 1,682,416; Aug. 28.
- Cutter guard and ledger plate. E. A. Boe. 1,675,634; July 3.
- Cutter-guard construction. F. Catanzarite. 1,695,994; Dec. 18.
- Cutter-hanger circle. G. B. Geiser. 1,680,980; Aug. 14.
- Cutter head. A. F. Froussard. 1,696,195; Dec. 25.
- Cutter head. W. Jones. 1,693,445; Nov. 27.
- Cutter head. L. T. Medholdt. 1,678,820; July 31.
- Cutter head and knife. L. T. Medholdt. 1,671,600; May 29.
- Cutter head, Rotating. L. C. Cole. 1,664,807; Apr. 3.
- Cutter mechanism for plastic material. T. L. Green and C. H. Williams. 1,677,180; July 17.
- Cutter of rotary well-drilling disk bits, Mounting for. W. T. Woods. 1,684,462; Sept. 18.
- Cutter or knife for meat-grinding machines. C. A. Laemel. 1,690,904; Nov. 6.
- Cutter, slitter, creaser, and the like, Angularly-adjustable rotary. G. W. Swift, jr. 1,662,871; Mar. 20.
- Cutters having angularly-disposed teeth, Backing-off device for. F. O. Hoagland. 1,695,762; Dec. 18.
- Cutting. V. V. Colby. 1,663,267; Mar. 20.
- Cutting and button-removing machine, Cloth-. E. S. Engle, and S. Davis. 1,673,502; June 12.
- Cutting and creasing press. E. S. English. 1,682,609; Aug. 28.
- Cutting and feeding mechanism for confection-bar-making machines. F. L. Borchert. 1,687,708; Oct. 16.
- Cutting and flanging device. D. Savador. 1,670,216; May 15.
- Cutting and perforating mechanism. B. Heinrichs. 1,664,413; Apr. 3.
- Cutting and riveting apparatus. P. Orzel. 1,668,086; May 1.
- Cutting and spinning mechanism. G. E. Haak and A. J. Kimberley. 1,656,277; Jan. 17.
- Cutting and welding apparatus, Transformer for electric-arc. F. C. Owen. 1,659,469; Feb. 14.
- Cutting apparatus, Metal-. S. B. Stine. 1,694,567; Dec. 11.
- Cutting apparatus, Rubber-strip-. T. Mulholland. 1,681,247; Aug. 21.
- Cutting attachment for mills, Cane-. I. Merlis. 1,695,196; Dec. 11.
- Cutting attachment, Kafir-corn-. A. L. Johnson. 1,677,479; July 17.
- Cutting board, Meat-. D. Macripio. 1,693,761; Dec. 4.
- Cutting burner, Autogenous. H. W. C. Schröder. 1,654,557; Jan. 3.
- Cutting cheese or the like, Apparatus for. E. F. Schedwin. 1,690,951; Nov. 6.
- Cutting concave surfaces, Machine for. J. E. Branson. 1,688,781; Oct. 23.
- Cutting, creasing, and slotting machine. A. J. Carr. 1,669,859; May 15.
- Cutting cylindrical gears, Method of and machine for. A. H. Candee and M. H. Johanson. 1,686,550; Oct. 9.
- Cutting device. W. W. Brust. 1,689,110; Oct. 23.
- Cutting device. D. P. McLaughlin. 1,681,739; Aug. 21.
- Cutting device. T. G. Paddock. 1,661,619; Mar. 6.
- Cutting device. C. Rinaldo. 1,658,418; Feb. 7.
- Cutting device. H. D. Stevens. 1,693,531; Nov. 27.
- Cutting device, Automatic. M. Casticum and P. L. Butterfield. 1,687,928; Oct. 16.
- Cutting device, Grape-. W. H. Asher. 1,675,240; June 26.
- Cutting die. W. D. Timmons. 1,683,934; Sept. 11.
- Cutting die. R. V. Woodworth. 1,684,934; Sept. 18.
- Cutting finger for separating machines. H. M. Sutton and W. L. and E. G. Steele. 1,692,910; Nov. 27.
- Cutting foodstuffs, Apparatus for. H. L. Johnston. 1,670,261; May 15.
- Cutting fowls, Apparatus for. H. Goldfinger. 1,687,663; Oct. 16.
- Cutting gears, Method and apparatus for. H. E. Stonebraker. 1,602,520; Nov. 20.
- Cutting hat sweat leathers, Apparatus for. E. Israel. 1,666,658; Apr. 17.
- Cutting head, Rotary. W. H. O'Connor. 1,675,765; July 3.
- Cutting implement, Hand-operated. J. Kasztler. 1,677,922; July 24.
- Cutting machine. A. O. Abbott, jr. 1,658,181; Feb. 7.
- Cutting machine. M. H. Ballard. 1,667,184; Apr. 24.
- Cutting machine. M. Edelman. 1,666,643; Apr. 17.
- Cutting machine. H. L. Glidden. 1,676,260; July 10.
- Cutting machine. L. E. Lentz. 1,665,213; Apr. 10.
- Cutting machine. W. Moler. 1,662,387; Mar. 13.
- Cutting machine. A. Monaco. 1,670,688; May 22.
- Cutting machine. A. W. Mueller. 1,662,890; Mar. 20.
- Cutting machine. R. L. Powell. 1,668,286; May 1.
- Cutting machine. R. and A. S. Reid. 1,682,418; Aug. 28.
- Cutting machine. A. Spielman. 1,666,271; Apr. 17.
- Cutting machine. W. C. Stewart. 1,655,442; Jan. 10.
- Cutting machine. M. Zusmer. 1,668,257; May 1.
- Cutting machine, Bevel-gear-. C. H. Taylor. 1,687,150; Oct. 9.
- Cutting machine, Box-. W. W. Brust. 1,675,247; June 26.
- Cutting machine, Cereal-. H. G. Woodhead. 1,688,770; Oct. 23.
- Cutting machine, Cloth. H. Maimin. 1,678,989; July 31.
- Cutting machine, Fish-. O. Norman. 1,669,207; May 8.
- Cutting machine for grass and the like. F. M. Durkee. 1,656,105; Jan. 10.
- Cutting machine for paper, cardboard, and the like. K. Stegmann. 1,672,158; June 5.
- Cutting machine for plastic material, Slug-. V. V. Messer. 1,669,623; May 15.
- Cutting machine, Fruit and vegetable. E. R. Jagenburg. 1,671,723; May 29.
- Cutting machine, Meat-. E. W. Knowlton. 1,692,844; Nov. 27.
- Cutting machine, Mold-. J. H. Nesbitt. 1,673,987; June 19.
- Cutting machine, Pipe-seat-. L. D. Smith. 1,678,712; July 31.
- Cutting machine, Plastic-. G. K. Bainbridge. 1,660,855; Feb. 28.
- Cutting machine, Rubber-ring-. G. L. Hammond, L. H. Messenger, jr., and W. Nicholas. 1,685,127; Sept. 25.
- Cutting machine, Seed-potato-. J. R. Pollan. 1,662,759; Mar. 13.
- Cutting machine, Straight-line-. G. G. Spencer. 1,674,843; June 26.
- Cutting machine, Tire-mold-. J. F. Keller and J. C. Shaw. 1,669,904; May 15.
- Cutting means for knitting machines, Yarn-. H. W. Matthews. 1,691,887; Nov. 13.
- Cutting mechanism. F. Renz. 1,678,080; July 24.
- Cutting mechanism for pulp and like machines. C. W. Sponsel. 1,665,644; Apr. 10.
- Cutting mechanism, Web-. B. M. Fine. 1,679,655; Aug. 7.
- Cutting off waste ends of incandescent lamp bulbs, Method of and apparatus for. R. J. Kehl. 1,674,367; June 19.
- Cutting or slicing machine. E. R. Ferrari. 1,665,131; Apr. 3.
- Cutting or welding metal, Apparatus for. R. E. Chapman. 1,687,081; Oct. 9.
- Cutting paper shell blanks from a continuous roll of paper, Mechanism for. W. T. Ayer. 1,665,834; Apr. 10.
- Cutting pineapple into strips, Method and machine for. R. B. Taylor. 1,670,084; May 15.
- Cutting rock, coal, and the like, Apparatus for. J. Glaser. 1,674,969; June 26.
- Cutting rubber sheets, Apparatus for. C. H. Desautels. 1,678,036; July 24.
- Cutting single or plied-up stock, Apparatus for. A. O. Abbott, jr. 1,662,596; Mar. 13.
- Cutting, splitting, and capping machine, Fuse. J. McLean. 1,688,122; Oct. 16.
- Cutting stone and like material, Apparatus for. E. and H. Ainley. 1,687,965; Oct. 16.
- Cutting surgical adhesive tape on spools, Attaching device for. H. M. Kirkham. 1,671,904; May 29.
- Cutting table. A. E. Evans. 1,660,327; Feb. 28.
- Cutting tapered threads, Die head for. H. T. Shearer. 1,695,158; Dec. 11.
- Cutting trap. R. A. Lincoln. 1,656,526; Jan. 17.
- Cutting tubes, Device for. E. Burke and C. Q. Ives. 1,691,045; Nov. 13.
- Cutting tubular articles into predetermined lengths, Apparatus for. O. H. Wester. 1,655,348; Jan. 3.
- Cyanamide from calcium cyanamide, Producing. H. C. Hetherington and L. A. Pinck. 1,673,820; June 19.
- Cyanamide from calcium cyanamide, Producing a solution of. A. N. Erickson. 1,671,183; May 29.
- Cyanides, Apparatus for the production of alkali metal. R. W. Poindexter, jr., and P. T. Dolley. 1,677,986; July 24.
- Cyanides from mixtures, Separating. G. H. Buchanan. 1,680,667; Feb. 28.
- Cyanides, Manufacture of alkaline. S. Couller. 1,691,960; Nov. 20.
- Cyanides of the perylene series, Manufacture of. A. Pongratz. 1,692,417; Nov. 20.
- Cyaniding apparatus for treating gold ores. R. Kanda. 1,673,982; June 19.
- Cycle support. W. S. Harley and A. R. Constantine. 1,675,551; July 3.
- Cyclic process for the manufacture of kraft pulp. G. A. Richter. 1,689,534; Oct. 30.
- Cyclic process of using barium compounds in the manufacture of sugar. H. W. Dahlberg. 1,688,071; Oct. 16.
- Cyclohexyl-alkyl-phthalic esters. R. Adams and J. F. Hyde. 1,689,761; Oct. 30.
- Cyclohexyl-substituted aliphatic acids. R. Adams and G. S. Hiers. 1,693,801; Dec. 4.
- Cycloplane. M. H. Ford. 1,686,080; Oct. 2.
- Cyclo-trimethylene-aryl-pyrazolones and the manufacture of same, Alkyl derivatives of. C. Mannich. 1,657,544; Jan. 31.
- Cylinder and tire gauge. H. P. Grohn. 1,684,864; Sept. 18.
- Cylinder cock. L. Joyner. 1,677,781; July 17.
- Cylinder construction, Engine-. G. F. Hopkins. 1,656,149; Jan. 10.
- Cylinder, Engine. G. D. Angle. 1,676,976; July 10.
- Cylinder, Engine. F. O. Clements. 1,670,843; May 22.
- Cylinder, Engine. J. M. H. Jacobs. 1,679,973; Aug. 7.

- Cylinder, Engine. C. G. Sprado. 1,682,436; Aug. 28.
 Cylinder, Engine. A. J. West. 1,672,106; June 5.
 Cylinder, Folding. J. J. Halliwell. 1,659,566; Feb. 21.
 Cylinder for hydraulic brakes, Master. C. F. Mattingly. 1,696,721; Dec. 25.
 Cylinder for Knowles heads. W. M. Wattie. 1,683,220; Sept. 4.
 Cylinder-forming machine. G. S. Woodford. 1,658,543; Feb. 7.
 Cylinder for offset printing, Transfer. G. A. Mayer. 1,670,418; May 22.
 Cylinder for spinning machines. Pressure and drawing. J. Lauffer. 1,665,136; Apr. 3.
 Cylinder head. F. H. Stroud. 1,662,989; Mar. 20.
 Cylinder head and cooling system. V. J. Swanson. 1,687,353; Oct. 9.
 Cylinder head and packing. B. P. Joyce. 1,678,946; July 31.
 Cylinder-head construction. A. M. Niven. 1,682,928; Sept. 4.
 Current, Rectification of alternating. E. Y. Robinson. 1,693,668; Dec. 4.
 Current rectifier. L. Levy. 1,671,247; May 29.
 Current rectifier, Alternating. F. Kraus. 1,671,245; May 29.
 Current rectifier, Alternating. L. B. Miller. 1,658,647; Feb. 7.
 Current rectifier, Alternating. W. T. Powell. 1,674,298; June 19.
 Current-rectifying device. W. O. Snelling. 1,686,183; Oct. 2.
 Current-rectifying system. H. F. Porter. 1,696,210; Dec. 25.
 Current-rectifying unit and preparing the same. E. R. Gill, sr. 1,668,201; May 1.
 Current-regulating arrangement for rectifiers. P. M. G. Toulon. 1,654,949; Jan. 3.
 Current regulator, Electric. C. S. Agate and A. E. Hill. 1,655,451; Jan. 10.
 Current relay, Alternating. M. L. Almquist. 1,672,049; June 5.
 Current relay, Alternating. E. L. Holmes. 1,663,551; Mar. 27.
 Current relay, Alternating. E. O. Thompson, D. Grimes. and H. C. Fisher. 1,656,250; Jan. 17.
 Current-supply system. W. F. Hendry. 1,689,485; Oct. 30.
 Current switch, Alternating. F. W. Lee and M. W. Pullen. 1,681,774; Aug. 21.
 Current system, Carrier. E. Austin. 1,680,759; Aug. 14.
 Current system, Electric. W. Meyer. 1,679,487; Aug. 7.
 Current transformer. J. B. Gibbs and G. A. Burr. 1,669,515; May 15.
 Current transformer, Continuous. T. C. Lennox. 1,659,110; Feb. 14.
 Current transformer, High-tension. F. Abbrberg, G. Keinath, and K. Schrader. 1,660,214; Feb. 21.
 Current-transforming apparatus, Direct. C. R. Moore. 1,668,654; May 8.
 Current transmission, Electric. D. F. Whiting. 1,672,995; June 12.
 Current units, Protective device for three-phase alternating. J. D. Lewis. 1,665,313; Apr. 10.
 Current variable-speed machine, Continuous. F. Kesselring. 1,670,581; May 22.
 Current voltage in metal-vapor-rectifier installations, System for regulating the direct. J. Jonas. 1,680,790; Aug. 14.
 Current-wave transmission. H. J. Vennes. 1,658,215; Feb. 7.
 Currents, etc., Method of and apparatus for producing modified. F. W. Meyer. 1,669,527; May 15.
 Currents, Rectification of alternating. T. A. Willard and F. S. McCullough. 1,682,000; Aug. 28.
 Currents, System for rectifying alternating. G. W. Müller. 1,673,698; June 12.
 Currycomb. S. I. Morkri. 1,671,907; May 29.
 Curtain. R. O. Trueb. 1,685,252; Sept. 25.
 Curtain and drapery hanger. C. E. Abel. 1,662,049; Mar. 13.
 Curtain and operating means therefor. R. Parisik. 1,678,229; July 24.
 Curtain and portière rod. J. H. Boye. Des. 75,675; July 3.
 Curtain and portière rod. J. H. Boye. Des. 75,716-18; July 10.
 Curtain and portière rod. J. H. Boye. Des. 76,771-3; Nov. 6.
 Curtain, Automatically-disappearing storm. L. E. Ross. 1,670,905; May 22.
 Curtain, Automobile. H. L. De Baugh, R. R. Meeks, and J. E. Strayer. Rel. 6,970; May 22.
 Curtain, Automobile. W. C. Loud. 1,673,914; June 19.
 Curtain, Bus. A. F. Masury. 1,668,690; May 8.
 Curtain, Fire. C. R. Bumbarger. 1,658,513; Feb. 7.
 Curtain fixture. H. T. Barnwell. 1,669,593; May 15.
 Curtain fixture. G. W. Dover. 1,674,619; June 19.
 Curtain fixture. P. G. Emery. 1,686,739; Oct. 9.
 Curtain guard, Window. H. T. Huey. 1,696,089; Dec. 18.
 Curtain handle, Releasable vestibule. J. B. Smouse. 1,666,073; Apr. 17.
 Curtain holdback. L. V. Lavell. Des. 76,315; Sept. 11.
 Curtain holder. H. Dalton. 1,666,408-10; Apr. 17.
 Curtain or similar article, Window. J. F. Newton. Des. 74,236; Jan. 10.
 Curtain-pole bracket. J. O. Crawford. Des. 74,722; Mar. 20.
 Curtain-pole bracket or similar article. J. O. Crawford. Des. 74,965; Apr. 24.
 Curtain-pole center. J. O. Crawford. Des. 74,358; Feb. 7.
 Curtain-pole end. J. O. Crawford. Des. 74,359; Feb. 7.
 Curtain-pole end. J. O. Crawford. Des. 74,553; Feb. 28.
 Curtain pole end or similar article. J. O. Crawford. Des. 74,552; Feb. 28.
 Curtain-pole end or similar article. J. O. Crawford. Des. 74,781; Mar. 27.
 Curtain-pole end or similar article. J. O. Crawford. Des. 74,962-4; Apr. 24.
 Curtain-pole end or similar article. J. O. Crawford. Des. 74,967; Apr. 24.
 Curtain-pole ring. J. O. Crawford. Des. 74,357; Feb. 7.
 Curtain-pole ring. J. O. Crawford. Des. 74,721; Mar. 20.
 Curtain rail and support therefor. R. C. Johnson. 1,681,345; Aug. 21.
 Curtain-raising device, Theater. E. J. Dolan and P. Tatore. 1,664,248; Mar. 27.
 Curtain ring. A. J. Norris. 1,666,298; Apr. 17.
 Curtain ring. H. and I. Rumpf. 1,659,637; Feb. 21.
 Curtain rod. C. E. Blakely. 1,686,141; Oct. 2.
 Curtain rod. A. Dlouhy. Des. 77,068-78; Dec. 4.
 Curtain-rod bracket. J. N. Henry. 1,673,981; June 19.
 Curtain-rod bracket. W. C. Kenney. 1,675,111; June 26.
 Curtain-rod bracket. I. C. Larson. 1,672,684; June 5.
 Curtain roller. A. P. Landry. 1,669,255; May 8.
 Curtain, Sand-blast. R. Ruemelin. 1,676,576; July 10.
 Curtain stretcher. C. G. Carlson. 1,669,926; May 15.
 Curtain stretcher. F. W. Hess. 1,666,622; Apr. 17.
 Curtain stretcher. M. Kott. 1,657,999; Jan. 31.
 Curtain stretchers, Curtain holder for. E. R. Hooper. 1,671,075; May 22.
 Curtain-stretching device. M. Edwards. 1,674,198; June 19.
 Curtain support. W. R. Clark. 1,654,530; Jan. 3.
 Curtain support. J. N. Henry. 1,667,520; Apr. 24.
 Curtain support, Adjustable. W. Damm. 1,681,522; Aug. 21.
 Curtain support, Bath. H. Madison. 1,684,284; Sept. 11.
 Curtain-suspension device. E. L. Wilson. 1,658,271; Feb. 7.
 Curtain tassel or similar article. J. O. Crawford. Des. 74,966; Apr. 24.
 Curtain-window installation. R. Calpin. 1,671,059-62; May 22.
 Curtains, Apparatus for adjusting automobile. R. E. Naumburg. 1,677,287; July 17.
 Curtains, Device for porch. N. M. Faulds. 1,676,327; July 10.
 Curtains, draperies, and the like, Rod for. J. Kernes. 1,665,704; Apr. 10.
 Curtains, Manufacture of. F. G. Hinsdale. 1,673,821; June 19.
 Curtains on sinks, Device for hanging. L. Buccini. 1,671,224; May 29.
 Curtains, Releasable handle for vestibule. H. H. Schroyer. 1,654,707; Jan. 3.
 Curve-forming device, Variable. C. G. Filzer. 1,689,234; Oct. 30.
 Curvilinear fabric. J. V. Moore. 1,677,042; July 10.
 Cushion: See—
 Air cushion. Exercise cushion.
 Chair cushion. Seat cushion.
 Comfort cushion. Spring cushion.
 Die cushion.
 Cushion. I. W. Garfield. 1,681,111; Aug. 14.
 Cushion. M. E. White. 1,680,963; Aug. 14.
 Cushion arch support. J. Strootman. 1,689,260; Oct. 30.
 Cushion casings, Apparatus for filling. C. F. Coda. 1,672,305; June 5.
 Cushion connection for vehicle construction. A. J. Jansson. 1,674,647; June 26.
 Cushion for church pews, Knee. D. F. Ducey. 1,680,509; Aug. 14.
 Cushion for farm-implement seats. F. Ward. 1,672,184; June 5.
 Cushion for seats and the like. G. H. Perry. 1,673,636; June 12.
 Cushion for vehicle seats, Back. S. Switzer. 1,662,216; Mar. 13.
 Cushion seat and the like. C. P. Trimble. 1,665,119; Apr. 3.
 Cushion-tufting and rivet-setting machine. E. B. Stimpson. 1,660,941; Feb. 28.
 Cushion wheel. E. A. Corbin, Jr. 1,664,389; Mar. 27.
 Cushioning connection. W. C. Keys. 1,691,723; Nov. 13.
 Cushioning or shock-absorbing device. F. B. Bell and O. R. Wikander. 1,689,662; Oct. 30.
 Cuspidor fixture. A. F. Pieper. Des. 75,044; May 1.
 Cuspidor, Sanitary. W. H. Hazlitt. 1,656,194; Jan. 17.
 Cuspidors, Flushing device for dental. O. J. Fetter. 1,660,121; Feb. 21.
 Cutlery, Table. C. H. Hemming. 1,685,588; Sept. 25.
 Cut-off-controlling mechanism. S. M. Langston and K. Sieg. 1,664,119; Mar. 27.
 Cut-off device for fuel-oil burners, Automatic. D. R. Martin. 1,679,163; July 31.
 Cut-off means for power-operated liquid-fuel-burning apparatus, Fuel. S. M. Hansen. 1,672,213; June 5.
 Cut-out. J. M. Fried. 1,668,450; May 1.

- Cut-out and fuse, Electric. W. J. Turenne. 1,656,800; Jan. 17.
- Cut-out and plug. W. P. Briggs. 1,680,969; Aug. 14.
- Cut-out, Electric. G. F. Lincks. 1,677,720; July 17.
- Cut-out, Electrical. W. H. Illingworth. 1,678,187; July 24.
- Cut-out, Electrical. J. F. Stokes. 1,677,692; July 17.
- Cut-out for electric incandescent lamps, Automatic. I. H. Van Horn and W. A. Pipkin. 1,687,530; Oct. 16.
- Cut-out for gas valves, Thermostatic. R. H. Shadrick. 1,678,169; July 24.
- Cut-off for stopcocks, Automatic. A. Haslinger. 1,688,233; Oct. 16.
- Cut-out, High-voltage primary. E. G. Newton and E. J. Wade. 1,694,979; Dec. 11.
- Cut-out machine. C. C. Abbott. 1,672,190; June 5.
- Cut-out machine for shoe uppers. B. W. Freeman. 1,681,033; Aug. 14.
- Cut-out, Thermal. M. J. Sandin. 1,685,958; Oct. 2.
- Cut-out, Thermal plug. M. J. Sandin. 1,677,298; July 17.
- Cutter: See—
- Bias cutter.
 - Blade-roll cutter.
 - Bolt and rod cutter.
 - Burr cutter.
 - Cable cutter.
 - Can-spout-seal cutter.
 - Cane cutter.
 - Casing cutter.
 - Cheese cutter.
 - Cigar cutter.
 - Cloth cutter.
 - Corn cutter.
 - Dough cutter.
 - Ensilage cutter.
 - Fodder cutter.
 - Gasket cutter.
 - Gear cutter.
 - Glass-tube cutter.
 - Grinder cutter.
 - Groat cutter.
 - Ice-cream-brick cutter.
 - Ice-cream cutter.
 - Insulator cutter.
 - Leather cutter.
 - Lens cutter.
 - Milling cutter.
 - Oatmeal cutter.
 - Packing cutter.
 - Paper cutter.
 - Paraffin cutter.
 - Pattern cutter.
 - Pipe cutter.
 - Planing cutter.
 - Potato and vegetable cutter.
 - Potato cutter.
 - Revoluble cutter.
 - Roller cutter.
 - Roofing-paper cutter.
 - Rotary cutter.
 - Seed-potato cutter.
 - Sheet-metal cutter.
 - Stalk cutter.
 - Strawberry top and runner cutter.
 - Thread cutter.
 - Ticket cutter.
 - Tile cutter.
 - Tube cutter.
 - Turf cutter.
 - Twine cutter.
 - Vegetable cutter.
 - Wire cutter.
- Cutter. O. H. Caldwell. 1,679,022; July 31.
- Cutter. W. P. Marston, jr. 1,687,869; Oct. 16.
- Cutter. H. D. Stevens. 1,670,171; May 15.
- Cutter. F. R. Weaver. 1,655,828; Jan. 10.
- Cutter and ballast shaper, Weed. A. J. Williams. 1,671,849; May 29.
- Cutter and bedder, Stalk. W. B. Collins. 1,689,718; Oct. 30.
- Cutter and burr remover, Pipe. A. C. McCloskey. 1,674,440; June 19.
- Cutter and cutting kerfs, Chain. E. C. Morgan. 1,677,999; July 17.
- Cutter and cutting wheel therefor, Pipe. J. E. Kenerson. 1,681,807; Aug. 21.
- Cutter and server, Feed. A. Ninnis. 1,679,583; Aug. 7.
- Cylinder head for internal-combustion engines, Antidetonating. A. Moore. 1,678,349; July 24.
- Cylinder head for internal-combustion engines. E. H. Tartrais. 1,687,526; Oct. 16.
- Cylinder head, Internal-combustion-engine. J. R. C. Smith. 1,689,804; Oct. 30.
- Cylinder-head lifter. B. W. Hastings and C. W. Kelley. 1,674,970; June 26.
- Cylinder head, Speed air-brake. F. W. Goldstein and R. M. Deahl. 1,674,777; June 26.
- Cylinder, Heat-exchange. J. W. Oltman. 1,672,036; June 5.
- Cylinder, Internal-combustion-engine. E. A. Sperry. 1,682,357; Aug. 28.
- Cylinder lock. E. N. Jacobi. 1,674,514; June 19.
- Cylinder lock. H. B. Page. 1,674,737; June 26.
- Cylinder lubricator, Air-compression. G. F. Turner. 1,676,586; July 10.
- Cylinder mold, Paper and pulp making. T. Harvey. 1,692,733; Nov. 20.
- Cylinder, Motor. J. G. Vincent. 1,659,676; Feb. 21.
- Cylinder, Motor-driven. F. Lunz. 1,674,516; June 19.
- Cylinder of a double-acting two-stroke motor, Construction and mounting of the. G. J. Lugt. 1,674,832; June 26.
- Cylinder of an internal-combustion engine. R. Kondo. 1,693,520; Nov. 27.
- Cylinder of internal-combustion engines. A. W. Wall. 1,680,710; Aug. 14.
- Cylinder of printing machines, Sheet-transferring. F. Spence. 1,675,000; June 26.
- Cylinder pawl for jacquards. J. B. Olch. 1,692,949; Nov. 27.
- Cylinder-renewing machine. A. Storm. 1,679,506; Aug. 7.
- Cylinder saddle. H. Glaenzer and L. W. Hance. 1,660,223; Feb. 21.
- Cylinder structure, Locomotive. H. A. F. Campbell. 1,688,174; Oct. 16.
- Cylinder support, Turbine. R. C. Allen. 1,678,968; July 31.
- Cylinders, Adjusting locking. J. Croning. 1,677,432; July 17.
- Cylinders, Making air-cooled. C. F. Kettering. 1,668,508; May 1.
- Cylinders of carding machines or loosening fiber therefrom, Roller for cleaning and stripping the. J. Bancroft. 1,662,658; Mar. 13.
- Cylinders or the like, Locking protective covers of rotating picking. E. H. Marble. 1,658,020; Jan. 31.
- Cylinders or the like, Steam fitting for journals of rotary steam. A. Aldrich and E. E. Berry. 1,688,172; Oct. 16.
- Cylinders, Quick lock-up for plate. C. S. Crafts. 1,677,955; July 24.
- Cylindrical member and making the same. W. C. Johnson. 1,690,684; Nov. 6.
- Cystoscope. T. Majlgren. 1,688,295; Oct. 16.
- Cystoscopes, gastroscopes, and the like, Optical tube for. G. Loock. 1,667,630; Apr. 24.
- Dadoing machine. M. O. Solheim. 1,658,260; Feb. 7.
- Dairy products, Delactating. W. J. McLaughlin. 1,677,976; July 24.
- Dam. F. A. Noetzi. 1,681,427; Aug. 21.
- Dam. H. W. Spooner. 1,675,001; June 26.
- Dam construction. E. L. Broome. 1,670,710; May 22.
- Dam and weir, Permanent. S. Höyer. 1,678,515; July 24.
- Damper. A. Cohn. 1,675,404; July 3.
- Damper. W. Hallberg. 1,674,202; June 19.
- Damper. H. Jowett. 1,668,911; May 8.
- Damper. E. S. MacPherson. 1,670,369; May 22.
- Damper. T. Olinger. 1,665,716; Apr. 10.
- Damper. W. L. Sharp. 1,680,696; Aug. 14.
- Damper-actuating mechanism. W. H. Jardine. 1,659,362; Feb. 14.
- Damper adjuster, Fireplace. A. W. Chapman. 1,657,869; Jan. 24.
- Damper, Automatic. A. Given. 1,672,758; June 5.
- Damper, Automatic. L. L. Jacobs. 1,659,875; Feb. 21.
- Damper, Automatic. C. Miehle. 1,663,718; Mar. 27.
- Damper, Automatic. G. Neumann. 1,656,677; Jan. 17.
- Damper control. O. Petersen. 1,692,465; Nov. 20.
- Damper, Fireplace. W. W. Guy. 1,669,825; May 15.
- Damper for blanket and curtain drying machines. J. E. McCarthy. 1,679,940; Aug. 7.
- Damper for check valves. S. B. Redfield. 1,695,978; Dec. 18.
- Damper for hot-gas conduits, Universal sand. W. S. Mayers. 1,663,515; Mar. 27.
- Damper, Furnace. F. E. Kling and C. E. Malley. 1,678,342; July 24.
- Damper regulator. C. H. Dutcher. 1,671,892; May 29.
- Damper regulator, Lock-type. R. M. Hinrich. 1,672,318; June 5.
- Damper, Rebound. W. C. Starkey. 1,679,179; July 31.
- Damper, Stove. R. W. Griswold. 1,694,740; Dec. 11.
- Damper, Thermostatically-controlled. I. E. Smith. 1,693,060; Nov. 27.
- Damper, Vibration. G. H. Stockbridge. 1,675,391; July 3.
- Damping torsional vibrations. A. Taub. 1,658,772; Feb. 7.
- Dancing device, Mechanical. G. Przybylko and S. Michalek. 1,655,292; Jan. 3.
- Danger signal, Highway. E. E. Smith. Des. 76,208; Aug. 28.
- Darning attachment for sewing machines. B. D. Taft. 1,679,509; Aug. 7.
- Darning form, Stocking. H. E. Hodgson. 1,688,047; Oct. 16.
- Dash light. R. O. Helgeby. 1,664,684; Apr. 3.
- Dash light. E. E. Huntington. 1,685,421; Sept. 25.
- Dashpot. G. C. St. John. 1,676,674; July 10.
- Dashpot construction. E. Davis. 1,660,744; Feb. 28.
- Dash switch. R. K. Winning. 1,695,939; Dec. 18.
- Dasher for ice-cream freezers. R. B. Bagby. 1,693,016; Nov. 27.
- Data for gunnery purposes, Apparatus for obtaining. P. W. Gray. 1,672,026; June 5.
- Data in earth bores, Obtaining. G. D. Hanna. 1,665,058; Apr. 3.
- Date indicators, Construction of perpetual. C. W. Padgett. 1,658,649; Feb. 7.
- Date-setting devices, Holding means for. J. F. Ohmer. 1,675,044; June 26.
- Davenport, Bed. D. F. Dyke. 1,675,883; July 3.
- Davenport, Overstuffed-bed. O. E. Putty. 1,691,992; Nov. 20.
- Davit for lifeboats. A. W. Lyda. 1,691,245; Nov. 13.
- Daybook. H. Hammer. 1,675,887; July 3.
- Dead-end bracket. L. E. Hendee. 1,665,498; Apr. 10.
- Deaerating apparatus. O. Larsen. 1,684,834; Sept. 18.
- Deaerating system. J. Price. 1,669,673; May 15.
- Debarbing pulp slabs, Art and apparatus for. R. H. Pangborn. 1,673,265; June 12.
- Decanter. J. C. Hebben. 1,662,702; Mar. 13.
- Decanter. R. D. McElDowney. Des. 74,183; Jan. 3.
- Decanter. P. Otto. Des. 75,641-3; June 26.
- Decelerometer or the like. W. S. James. 1,668,809; May 8.
- Deck, Floating. A. M. Griffin. 1,666,416; Apr. 17.
- Deck for oil tanks or the like, Floating. C. R. Gallagher. 1,665,163; Apr. 3.
- Deck for oil tanks, Sectional floating. C. A. Glass. 1,674,039; June 19.
- Deck lids, Hinge construction for. H. C. Maise. 1,656,441; Jan. 17.
- Deck or cover for oil tanks, Floating. C. R. Gallagher. 1,666,415; Apr. 17.

- Declutching. J. Bethenod. 1,685,596; Sept. 25.
Decoding apparatus. A. J. Sorensen. 1,661,637; Mar. 6.
Decolorizing, clarifying, and purifying petroleum oils. H. L. Kauffman and I. A. Clark. 1,684,035; Sept. 11.
Decolorizing kerosene, gasoline, and similar light petroleum distillates. V. A. Kalichevsky. 1,695,251; Dec. 11.
Decolorizing vegetable oils. H. E. Bierce. 1,696,338; Dec. 25.
Deconcentrator. C. G. Hawley. 1,668,904; May 8.
Decorated box. F. Eberhart. Des. 75,360; May 29.
Decorated box. F. Eberhart. Des. 75,782; July 17.
Decorated tube. A. J. Rowan. Des. 76,323; Sept. 11.
Decorating apparatus. A. C. Parker. 1,665,321; Apr. 10.
Decorating articles. E. K. Baker. 1,692,920; Nov. 27.
Decorating articles and decorated article. H. Manovill. Re16,963; May 15.
Decorating fish lures. C. L. Dewey. 1,664,402; Apr. 3.
Decorating fish lures. J. B. Pagin. 1,692,222; Nov. 20.
Decorating glass surfaces. K. Wurga. 1,693,735; Dec. 4.
Decorating metal articles. P. A. Reutter. 1,680,801; Aug. 14.
Decorating the surfaces of various articles. H. S. Sadtler. 1,672,093; June 5.
Decorating walls and similar surfaces, Device for. G. A. Newman. 1,696,010; Dec. 18.
Decorating transparent surfaces. G. C. Ashley. 1,683,282; Sept. 4.
Decorating wrapped candy. R. D. Bogue and H. J. Fromhold. 1,660,250; Feb. 21.
Decoration, Automobile front end. R. G. Seals and E. N. C. Kuntz. Des. 76,712; Oct. 23.
Decoration for ornamenting fibrous and similar surfaces and making and applying the same. H. S. Sadtler. 1,690,179; Nov. 6.
Decoration, ornamentation, or painting. H. C. Mitchell. 1,661,573; Mar. 6.
Decoration, Translucent. E. H. Horton. 1,687,452; Oct. 9.
Decoloration of alkaline-earth-metal thiocyanate solutions. R. R. Fulton. 1,691,345; Nov. 13.
Decorating machine. F. Michotte. 1,665,971; Apr. 10.
Decoy. W. R. Johnson. 1,663,009; Mar. 20.
Deelectrolyzer. M. A. Clinton and M. W. Collet. 1,668,049; May 1.
Demulsifying hydrocarbons. G. Egloff. 1,670,107; May 15.
Denitrizing plant parts and cleaning the reclaimed fibers, Process and apparatus for. E. Gminder. 1,658,842; Feb. 14.
Denitrating machine. J. Dufour. 1,677,076; July 10.
Defating indicator. J. H. Clark. 1,681,608; Aug. 21.
Defating machine. J. Wahl and O. Melzer. 1,658,313; Feb. 7.
Deflation indicator. J. F. McGuire. 1,657,406; Jan. 24.
Deflector for gasoline-hose nozzles. R. M. Davis. 1,685,313; Sept. 25.
Deflector, Inner-tube. P. W. Lehman. 1,694,222; Dec. 4.
Deflector, Wind. A. Carlson. 1,673,798; June 19.
Deflector, Wind. W. H. Rose. 1,672,283; June 5.
Degreasing raw wool. R. Brauckmeyer. 1,693,106; Nov. 27.
Dehairing and cleaning machine, Carcass. O. C. Schmidt. 1,668,287; May 1.
Dehorner. E. Anderson. 1,686,723; Oct. 9.
Dehydrating apparatus. W. D. Callan. 1,682,596; Aug. 28.
Dehydrating apparatus. K. Fried. 1,657,745; Jan. 31.
Dehydrating crude oils, Apparatus for. W. L. Palmer. 1,696,859; Dec. 25.
Dehydrating device. F. E. Whorff. 1,686,500; Oct. 2.
Dehydrating liquids and products obtained thereby. W. H. Dickerson. 1,670,101; May 15.
Dehydrating tar, Apparatus for. R. Crilly. 1,693,549; Nov. 27.
Dehydration and distillation of tars or oils. D. Rider. 1,685,034; Sept. 18.
Dehydration of alcohol. S. R. Merley. 1,688,731; Oct. 23.
Dehydration products of pine oil and producing same. I. W. Humphrey. 1,691,066; Nov. 13.
Dehydrator. H. B. and F. E. Hartman. 1,667,316; Apr. 24.
Dehydrator having rotatable electrode. W. O. Eddy. 1,674,242; June 19.
Deinking process and performing same. W. Lewis. 1,696,639; Dec. 25.
Delay mechanism. J. A. Jensen. 1,672,384; June 5.
Delinquency alarm, Watchman's. E. F. Geiger. 1,695,092; Dec. 11.
Delivering charges of molten glass, Apparatus for. L. D. Soubier. 1,685,143; Sept. 25.
Delivering granular material in measured quantities by volume, Appliance for. E. Christiansen. 1,690,476; Nov. 6.
Delivering mechanism for bolt-trimming machines. W. L. Clouse. 1,683,957; Sept. 11.
Delivering register slips, Device for. W. H. Hogan. 1,674,044; June 19.
Delivering the tufts of textile fibers from combing machines having intermittently-rotating nipper drums, Device for. C. Schleifer. 1,694,432; Dec. 11.
Delivery and conveying mechanism. E. A. Dewey. 1,656,909; Jan. 24.
Delivery apparatus. D. M. Brockway. 1,676,072; July 3.
Delivery apparatus. H. W. Orndoff. 1,688,397; Oct. 23.
Delivery apparatus. C. J. Paulson. 1,696,447; Dec. 25.
Delivery apparatus, Check-controlled article. E. B. Herman. 1,687,612; Oct. 16.
Delivery apparatus, Sheet-. M. A. Droitcour. 1,666,489; Apr. 17.
Delivery mechanism. N. C. Drake. 1,685,945; Oct. 2.
Delivery mechanism. W. O. Hall. 1,689,431; Oct. 30.
Delivery mechanism. L. P. Willsea. 1,666,984; Apr. 24.
Delivery mechanism. A. M. Zuckerman. 1,655,804; Jan. 10.
Delivery mechanism. A. M. Zuckerman. 1,693,632; Dec. 4.
Delivery rake, Side-. E. Mowry. 1,658,996; Feb. 14.
Demagnetizer. J. A. Llewellyn. 1,667,422; Apr. 24.
Demand meter. Kilovolt-ampere. H. J. Blakeslee. 1,655,492; Jan. 10.
Demonstration device. F. A. Greis. 1,668,844; May 8.
Demulsifying agents for refining petroleum oil, Producing. E. D. Gray. 1,673,045; June 12.
Denominating machine. J. Harrison. 1,676,731; July 10.
Dental amalgam mixer. G. E. Terranova. 1,688,062; Oct. 16.
Dental apparatus. M. A. Sparks. 1,666,316; Apr. 17.
Dental apparatus. G. A. Swendiman. 1,688,670; Oct. 23.
Dental appliance. G. W. Hamilton. 1,660,962; Feb. 28.
Dental appliance for indicating the outline of the face. R. A. Stratton. 1,679,748; Aug. 7.
Dental articulator. A. Gysi. 1,684,393; Sept. 18.
Dental articulator. R. L. Hanau. 1,668,845; May 8.
Dental articulator. D. S. Highkin. 1,669,335-6; May 8.
Dental articulator. G. P. Phillips. 1,671,557; Aug. 21.
Dental articulators, Attachment for. W. M. Gambill. 1,661,119; Feb. 28.
Dental attachment. W. G. Bridge. 1,686,950; Oct. 9.
Dental bite-taking implement. F. G. Hawksworth. 1,673,871; June 19.
Dental bridge. C. S. Kile. 1,678,779; July 31.
Dental bridgework, Attachment for. H. E. S. Chayes. 1,689,478; Oct. 30.
Dental bridgework, Removable. A. P. Jurgensen. 1,688,145; Oct. 16.
Dental bridgework, Removable. E. Kellner and W. M. Goldwyn. 1,693,845; Dec. 4.
Dental burner. H. J. Bosworth. 1,662,997; Mar. 20.
Dental casting device. A. M. Schutzman. 1,659,615; Feb. 21.
Dental casting machine. S. C. Rieke. 1,669,574; May 15.
Dental cement. N. E. Eberly. 1,671,104; May 29.
Dental chair. E. B. Wilford. 1,694,243; Dec. 4.
Dental chair, Collapsible. J. P. Fletcher. 1,685,599; Sept. 25.
Dental crown. J. Petry. 1,687,690; Oct. 16.
Dental device. H. E. Barker. 1,661,713; Mar. 6.
Dental device. H. E. Barker. 1,687,079; Oct. 9.
Dental device. H. E. Barker. 1,694,636; Dec. 11.
Dental device. E. Seabrook. 1,664,433; Apr. 3.
Dental drill. V. C. Nicoletto. 1,655,659; Jan. 10.
Dental drilling apparatus. T. Gythfeldt. 1,682,784; Sept. 4.
Dental engine. W. Cordes. 1,680,206; Aug. 7.
Dental engine handpieces, Attachment for. W. C. Morgan. 1,695,773; Dec. 18.
Dental face bow. T. A. Bodine. 1,674,088; June 19.
Dental facing and backing. J. A. Askew. 1,659,510; Feb. 14.
Dental flask. M. L. Axelrod. 1,676,677; July 10.
Dental flask. W. J. Clark, and W. M. Romine. 1,680,364; Aug. 14.
Dental floss holder. R. R. Brown. 1,658,221; Feb. 7.
Dental floss holder. R. L. Cummer. 1,666,877; Apr. 17.
Dental floss holder. L. L. Sherwood. 1,667,134; Apr. 24.
Dental form and making same, Wax. H. Schweitzer. 1,675,732; July 3.
Dental grinding elements, Mounting for. A. P. Jurgensen. 1,673,913; June 19.
Dental handpieces, Bearing for angle attachments for. L. Andresen. 1,678,097; July 24.
Dental handpieces, Contra-angle attachment for. L. B. Andresen. 1,678,096; July 24.
Dental implement. W. Jeffreys. 1,696,486; Dec. 25.
Dental impression device. J. O. Wilder, jr. 1,687,914; Oct. 16.
Dental instrument. H. E. S. Chayes and A. P. Jurgensen. 1,681,324; Aug. 21.
Dental instrument. O. H. Pieper and C. R. Meitzler. 1,684,143; Sept. 11.
Dental instrument. R. T. Roth. 1,691,786; Nov. 13.
Dental instrument. G. W. Todd. 1,684,252; Sept. 11.
Dental manikin. R. L. Hanau. 1,682,904; Sept. 4.
Dental massage device. O. Remensnyder. 1,691,785; Nov. 13.
Dental matrix retainer. M. W. Gaillard. 1,661,068; Feb. 28.
Dental plate and plating same. H. F. Buttner. 1,691,755; Nov. 13.
Dental plate molds and dental plates, Making. R. W. Heath. 1,674,721; June 26.
Dental plate with sucker. O. Döbele. 1,696,110; Dec. 18.
Dental records, Making. R. L. Hanau. 1,688,492; Oct. 23.
Dental set. J. E. Dale. 1,657,458; Jan. 31.

- Dental tray and insert therefor. F. W. Foster, jr. 1,663,695; Mar. 27.
- Dental wax expansion cabinet. C. A. De Lano. 1,670,026; May 15.
- Dental work, Film holder for. F. V. Simonton. 1,657,230; Jan. 24.
- Dental X-ray package. M. B. Hodgson. 1,687,068; Oct. 9.
- Dentistry, Apparatus for casting underpressure in. K. Inami. 1,657,475-6; Jan. 31.
- Dentistry, Prosthetic. E. A. Thayer. 1,691,594; Nov. 13.
- Dentistry, Prosthetic. E. A. Thayer. 1,696,422; Dec. 25.
- Dentist's kit and instrument support. H. A. Silberman. 1,684,417; Sept. 18.
- Denture, Artificial. R. M. Withycombe. 1,696,068; Dec. 18.
- Denture attachment. I. Stern. 1,680,305; Aug. 14.
- Denture attachment. I. Stern. 1,680,307; Aug. 14.
- Denture material. J. Aderer. 1,659,757; Feb. 21.
- Denture, partial denture, and making same. G. W. Clapp, R. W. Tench, and L. W. Dunham. 1,692,928; Nov. 27.
- Denture press. L. A. Cremer. 1,688,070; Oct. 16.
- Denture, Removable. H. E. S. Chayes. 1,681,323; Aug. 21.
- Dentures, Apparatus for producing. M. M. Kohn. 1,683,978; Sept. 11.
- Dentures, Holding means for. W. E. Adams. 1,654,627; Jan. 3.
- Deodorant and making same. E. H. O'Neil. 1,669,016; May 8.
- Deodorizer, Garment. P. Merkwitz. 1,693,308; Nov. 27.
- Deodorizing and disinfecting powder to sanitary pads. Process and apparatus for applying. E. Mahler. 1,670,587; May 22.
- Deodorizing cooking. T. A. Cannon. 1,681,531; Aug. 21.
- Deodorizing device. E. J. Reefer. 1,661,547; Mar. 6.
- Deplegator. H. S. Mabey. 1,670,118; May 15.
- Deplegator, Circulating. D. Pyzel. 1,678,823; July 31.
- Depilatory. C. S. Miner and E. W. Trolander. 1,682,181; Aug. 28.
- Depilatory substances, Preparing. R. Botson. 1,683,442; Sept. 4.
- Deposit box, Safety-. H. Marshall. 1,657,691; Jan. 31.
- Depositing apparatus. W. R. Myers and B. O. Opitz. 1,685,460; Sept. 25.
- Depositor. R. S. Hislop. 1,696,845; Dec. 25.
- Depository, Night safe. H. J. Robinson. Des. 76,895; Nov. 13.
- Deposits and the like from surfaces, Apparatus for removing. J. C. Schmidt. 1,671,684; May 29.
- Depth charge, bomb, projectile, and other explosive bodies. A. Ogden. 1,683,692; Sept. 11.
- Depth gauge. W. Kabisius. 1,679,473; Aug. 7.
- Depth gauge, Road-tool. D. W. Riddle. 1,674,840; June 26.
- Depth-indicating device, Liquid. H. W. King and W. E. Bandemer. 1,687,215-6; Oct. 9.
- Depth meter. C. F. Jenkins. 1,691,719; Nov. 13.
- Derail. M. J. Helmes. 1,687,667; Oct. 16.
- Derailer with approach-locking equipment, Automatic. R. M. Robinson. 1,672,907; June 12.
- Derrick. N. B. Biggs. 1,667,582; Apr. 24.
- Derrick. T. F. Campbell. 1,693,107; Nov. 27.
- Derrick. F. Hunt. 1,666,857; Apr. 17.
- Derrick. A. J. Leonard. 1,656,861; Jan. 17.
- Derrick. J. D. McEwen. 1,676,271-2; July 10.
- Derrick. J. P. Neilson, sr. 1,658,535; Feb. 7.
- Derrick construction, Fabricated-. C. B. Foster. 1,666,413; Apr. 17.
- Derrick, Fabricated. C. B. Foster. 1,666,414; Apr. 17.
- Derrick leg clamp. Sectional. W. F. Speakman and G. E. Crockett. Rel. 9,96; June 12.
- Derrick, Oil-well. A. L. Bowers. 1,675,635; July 3.
- Derrick, Oil-well. B. F. Sumpter, D. E. Winfree, and R. B. Robirds. 1,677,738; July 17.
- Derrick or tower construction, Fabricated-steel. C. B. Foster. 1,676,539; July 10.
- Derrick reinforcing, Pumping. T. A. L. Bowen. 1,656,900; Jan. 24.
- Derrick structure for oil, gas, and artesian wells. G. Battelle, H. M. Runkle, and W. B. Tobin. 1,680,198; Aug. 7.
- Derrick, Well-drilling. D. D. Wertzberger. 1,665,488; Apr. 10.
- Derricks, Corner plate for. C. W. Lynch. 1,685,711; Sept. 25.
- Derricks, Crown block for. L. J. Black. 1,668,139; May 1.
- Derricks, pipe retainer for. O. R. Stump and J. N. Hiles. 1,663,285; Mar. 20.
- Deseaming machine. L. C. Cole. 1,668,947; May 8.
- Desiccation. W. H. Dickerson. 1,658,078; Feb. 7.
- Design, especially scenic effects, and in apparatus therefor, Production of. C. F. Smith. 1,657,415; Jan. 24.
- Designs for reproduction, Producing. A. Fruwirth. 1,677,965; July 24.
- Designs, Making embossed. B. G. Klein. 1,693,561; Nov. 27.
- Designs on cloth and the like, Forming raised. C. A. Hanington. 1,658,844; Feb. 14.
- Designs, Reproducing artistic. R. F. Brown. 1,685,396; Sept. 25.
- Designs upon stones, Producing. G. Di Bona and T. Jellow. 1,676,637; July 10.
- Desilverizing lead bullion. B. M. O'Harra. 1,672,465; June 5.
- Desk. J. A. Hughes. 1,663,407; Mar. 20.
- Desk accessory. H. A. Feigelman. Des. 74,878; Apr. 10.
- Desk and dressing table, Combination. G. Maier. Des. 74,937; Apr. 17.
- Desk book rest, Portable. H. M. Smyth. 1,655,519; Jan. 10.
- Desk, Cabinet. L. Knaster. 1,692,665; Nov. 20.
- Desk, Home. L. Knaster. 1,663,377; Mar. 20.
- Desk pad. C. E. Home. 1,679,423; Aug. 7.
- Desk pad and calendar holder, Combined loose-leaf. H. E. Seaton. Des. 75,658; June 26.
- Desk, Portable combination. L. E. Myers. 1,666,263; Apr. 17.
- Desk set. C. Horix. 1,670,722; May 22.
- Desk set. H. Waldman. Des. 77,207; Dec. 11.
- Desk set and picture frame, Combined. H. A. Kretschmer. Des. 74,980; Apr. 24.
- Desk set, Fountain-pen. C. Horix. 1,694,918; Dec. 11.
- Desk set, Fountain-pen. H. E. Waldron. 1,658,147; Feb. 7.
- Desk set, Telephone. O. Weeber. 1,687,117; Oct. 9.
- Desk, Sorting. S. A. Harrison. 1,675,454; July 3.
- Desk, Sorting and binding. E. K. Ohm. 1,683,795; Sept. 11.
- Desk stand, Fountain-pen. W. A. Sheaffer and C. R. Sheaffer. Des. 74,242; Jan. 10.
- Desk stand, Telephone. H. F. Obergfell. 74,188; Jan. 3.
- Desk top. B. E. Richardson. 1,690,130; Nov. 6.
- Desk, Typewriter. J. Waldheim. 1,656,714; Jan. 17.
- Desks and the like, Book-support attachment for. C. S. Johnson. 1,668,721; May 8.
- Desks and the like, Fall support for. E. Broberg. 1,674,883; June 26.
- Destroying weeds, particularly aquatic weeds and plants. H. R. Edwards. 1,671,981; June 5.
- Desulphurizing gases. E. Raffloer. 1,672,778; June 5.
- Desulphurizing hydrocarbon oils. R. C. Moran. 1,692,756; Nov. 20.
- Desuperheater. F. M. Birks. 1,662,452; Mar. 13.
- Desuperheater. C. H. Smoot. 1,674,455; June 19.
- Desuperheater control. C. H. Smoot. 1,671,686; May 29.
- Detachable handle. B. Kumagai. 1,681,414; Aug. 21.
- Detachable lock. C. A. Carpenter. 1,679,648; Aug. 7.
- Detachable union. E. Von Allmen. 1,666,802; Apr. 17.
- Detecting accumulations of materials in coal washers and ore concentrators, Method and apparatus for. T. M. Chance. 1,686,435; Oct. 2.
- Detecting and measuring strains. J. T. Littleton, jr. 1,681,991; Aug. 28.
- Detector: See—
- Coin detector. Sheet detector.
- Crystal detector. Trouble detector.
- Metal detector. Vibration detector.
- Multiple-needle detector. Weft detector.
- Detector. A. K. Phillippi. 1,691,353; Nov. 13.
- Detector apparatus. R. M. Hopkins. 1,668,369; May 1.
- Detector apparatus. A. A. Kent. 1,679,310; July 31.
- Detector for paper-feeding machines, Sheet. R. Hitchcock. 1,691,606; Nov. 13.
- Detector in regularly-moving transferer, Weft. R. G. Turner. 1,691,141; Nov. 13.
- Detector mounted on indicating plunger of regularly-moving transferer arm, Weft. W. H. Wakefield. 1,695,402; Dec. 18.
- Detector mounted on regularly-moving transferers, Weft. R. G. Turner. 1,662,219; Mar. 13.
- Detector, Multiple-needle. W. H. Wakefield. 1,662,222; Mar. 13.
- Detector on a transferer arm, Inertia-actuated weft. K. J. Unwin. 1,691,142; Nov. 13.
- Detector to stop loom, Weft. V. H. Jennings. 1,692,992; Nov. 27.
- Detector, Valve-leak and puncture. E. P. Offemaria. 1,683,095; Sept. 4.
- Detectors, Mounting for crystal. H. J. Guth. 1,659,732; Feb. 21.
- Detent mechanism for door closers and the like. J. J. Drexler and H. H. Munson. 1,687,009; Oct. 9.
- Detergent and polishing material. J. K. Toles. 1,658,107; Feb. 7.
- Determination of wave-energy direction. M. Mason. 1,682,706; Aug. 28.
- Determining the contents of a gas. H. Schmick. 1,691,138; Nov. 13.
- Determining the degree of fineness of pulverulent or fine granular masses by means of suspension, Apparatus for. H. Harkort. 1,667,783; May 1.
- Determining the frequency of rotation or oscillation of moving parts, Apparatus for. A. V. J. Guillet and A. Bertrand. 1,682,725; Aug. 28.
- Detonation indicator. S. P. Marley and W. A. Cruse. 1,656,897; Jan. 17.
- Detonator connections, Method and machine for making. J. M. Olin, V. L. Davis, and J. B. Smith. 1,673,584; June 12.
- Developer, Body-punch resistance. E. H. Richards and F. A. Richards. 1,679,174; July 31.
- Developing machine, Film-. H. K. Fairall. 1,686,907; Oct. 9.
- Developing unit, Dark-room. E. B. Mabey. 1,671,477; May 29.
- Device and molded member containing the same, Attaching. J. S. Stull. 1,659,927; Feb. 21.
- Device for checking the operation of vehicles. R. H. Mathlessen and W. B. Eddison. 1,690,827; Nov. 6.
- Device for giving warning of fire. E. Half. 1,690,486; Nov. 6.

- Device for holding and applying cosmetics and the like. P. Mayer. 1,693,151; Nov. 27.
- Device for holding and centering corks for use in connection with corking machines. W. Rulison. 1,659,049; Feb. 14.
- Device for picking up golf balls for golf players. N. Uyei. 1,658,145; Feb. 7.
- Device for preventing theft of automobiles on highways. G. A. Wettengel. 1,688,479; Oct. 23.
- Device for preventing theft or unauthorized use of automobiles. J. Holtzman. 1,688,496; Oct. 23.
- Device for underground prospecting. S. Herr. 1,676,779; July 10.
- Device to determine size of yarn packages. A. E. Moon. 1,679,368; Aug. 7.
- Device used in pie baking. L. F. Nelson. 1,687,846; Oct. 16.
- Dextrose from starch, Manufacturing. W. B. Newkirk. 1,661,298; Mar. 6.
- Dextrose, Making. C. Ebert, W. B. Newkirk, and M. Moskowitz. 1,668,308; May 1.
- Dextrose, Manufacture of. C. Ebert, W. B. Newkirk, and M. Moskowitz. 1,673,187; June 12.
- Dewatering apparatus. J. T. Hoyt. 1,685,085; Sept. 25.
- Diacetate, Preparation of ethylidene. M. E. Bouvier and L. Hugoniot. 1,680,760; Aug. 14.
- Diacyl isothiocarbamide ether and producing same. H. Schotte. 1,667,053; Apr. 24.
- Diagnoser, Engine-trouble. J. H. Richards. 1,694,670; Dec. 11.
- Diagnostic instrument. C. E. H. Armbruster. 1,692,241; Nov. 20.
- Diagnostic instrument. W. J. Cameron. 1,693,021; Nov. 27.
- Diagnostic instrument for throwing a beam of light into the eye. E. D. Tillyer. 1,664,953; Apr. 3.
- Dial. O. A. Anderson. 1,690,806; Nov. 6.
- Dial. A. D. Rose. 1,684,598; Sept. 18.
- Dial-aligning device. G. D. Collar, jr. 1,670,240; May 15.
- Dial and advertisement illuminator, Combined telephone. E. C. Renaud. 1,669,628; May 15.
- Dial and dial strip. B. F. Flegel and W. T. Lewis. 1,671,633; May 29.
- Dial apparatus for automatic telephone systems, Impulse. W. Kruse. 1,691,575; Nov. 13.
- Dial attachment for clocks. P. L. Whitman. 1,676,000; July 3.
- Dial-cam-controlling mechanism. N. J. Perry. 1,690,593; Nov. 6.
- Dial for a universal standard-time clock face, Fixed. A. L. Woracek. Des. 75,398; May 29.
- Dial for radio adjustments, Vernier. A. Peteler. 1,683,845; Sept. 11.
- Dial for watches or clocks. S. Mathez. 1,670,074; May 15.
- Dial frame. C. D. Fagan. Des. 76,011; Aug. 14.
- Dial, Illuminated. W. C. and F. Buchholz. Re17,017; July 3.
- Dial, Illuminated. L. F. Curtis. 1,690,670; Nov. 6.
- Dial illumination, Instrument. J. Zubaty. 1,671,920; May 29.
- Dial indicator for gasoline pumps, etc. W. L. Marden. 1,666,100; Apr. 17.
- Dial, Speedometer. J. K. Olson. Des. 76,149; Aug. 21.
- Dial, Variometer. H. R. Russon. 1,684,972; Sept. 18.
- Diallycyanamide. E. B. Vilet. 1,659,793; Feb. 21.
- Diammonium phosphate, Manufacture of. R. Griessbach, O. Balz, and A. Rössler. 1,670,504; May 22.
- Diaper. J. C. Condylin. 1,669,188; May 8.
- Diaper. E. M. Houseknecht. 1,676,144; July 3.
- Diaper, Strip. D. G. Mackenzie. 1,674,600; June 19.
- Diaphragm and mounting therefor. E. Toman. 1,691,093; Nov. 13.
- Diaphragm, Chambered. E. D. Eby. 1,655,261; Jan. 3.
- Diaphragm control for projection printers. J. G. Capstaff. 1,676,600; July 10.
- Diaphragm-control mounting. C. M. Hayman. 1,684,701; Sept. 18.
- Diaphragm drive. H. C. Harrison. 1,656,632; Jan. 17.
- Diaphragm for loud speakers. C. L. Farrand. 1,673,939; June 19.
- Diaphragm for telephone instruments. E. V. Mackintosh. 1,696,807; Dec. 25.
- Diaphragms, Making. C. S. Kelley. 1,674,781; June 26.
- Diaphragms, Mounting pressure-gauge. E. A. Heman. 1,693,235; Nov. 27.
- Diary, memorandum book, etc. M. J. Wade. 1,694,832; Dec. 11.
- Diastatic product, Producing. K. Wooyenaka, and T. Okochi. 1,680,926; Aug. 14.
- Diathermic apparatus. G. Grossmann. 1,666,697; Apr. 17.
- Diathermy and galvanic ear set. D. B. Catlin. 1,684,859; Sept. 18.
- Diathermy apparatus for sinus treatment. De F. B. Catlin. 1,657,149; Jan. 24.
- Diazosalt, Solid. F. Keller and K. Schnitzspahn. 1,677,640; July 17.
- Diazosalts of ortho-amino-phenolarylethers, Solid. F. Keller and K. Schnitzspahn. 1,677,558; July 17.
- Dibenzanthronyl, Preparing derivatives of. K. Zahn and P. Ochwat. 1,675,014; June 26.
- Dibenzpyrenequinone and preparing the same, Derivatives of. G. Kränzlein, K. Zahn, P. Ochwat, and M. Corell. 1,693,447; Nov. 27.
- Dibutyl mesotartrate. C. Bogin. 1,659,907; Feb. 21.
- Dice, Set of. W. D. Walker. 1,684,609; Sept. 18.
- Dicebox. M. H. Briesemeister. 1,660,066; Feb. 21.
- Dicyclic derivatives of pentamethylene and manufacture of same. C. Mannich. 1,685,407; Sept. 25.
- Die; See—
- Air die. Pulp suction die.
- Cutting die. Punching die.
- Dressing die. Threading die.
- Macaroni die. Thread-cutting die.
- Pottery-forming die. Tube-forming die.
- Die. G. A. Delf. 1,665,203; Apr. 10.
- Die. C. A. Messmer, jr. 1,661,807-8; Mar. 6.
- Die. C. A. Messmer, jr. 1,670,898; May 22.
- Die. C. A. Messmer, jr. 1,696,442; Dec. 25.
- Die and method of drawing shapes. J. T. Moltrup. 1,692,902; Nov. 27.
- Die block and treating steel for use in the manufacture thereof. H. A. Brassert. 1,687,825; Oct. 16.
- Die-casting apparatus. M. Stern. 1,693,164; Nov. 27.
- Die-casting machine. W. J. Doring. 1,663,072; Mar. 20.
- Die-casting machine. A. Kaufmann. 1,662,750; Mar. 13.
- Die-casting machine. L. H. Morin. 1,683,721; Sept. 11.
- Die-casting machine. L. A. Paley. 1,688,055; Oct. 16.
- Die-casting machine. C. J. Sykes. 1,690,081; Oct. 30.
- Die-casting mold. H. A. Adams. 1,691,220; Nov. 13.
- Die-casting valve stems, Apparatus for. S. L. Williams. 1,670,559; May 22.
- Die cushion. F. J. Rode. 1,655,568; Jan. 10.
- Die-fitting apparatus. W. A. Valentine. 1,669,845; May 15.
- Die for hollow tile. E. E. Borsenberger. 1,665,342; Apr. 10.
- Die grinding. W. R. Hurd. 1,654,973; Jan. 3.
- Die head. S. F. Newman. 1,665,973; Apr. 10.
- Die head. S. F. Newman and J. G. Harper. 1,671,044; May 22.
- Die head. S. F. Newman and J. G. Harper. 1,692,514; Nov. 20.
- Die head. I. J. Remark. 1,663,732; Mar. 27.
- Die head, Self-opening. A. F. Breitenstein. 1,683,126; Sept. 4.
- Die head, Self-opening. A. F. Breitenstein. 1,689,768; Oct. 30.
- Die or stamp holding device. M. Tibbetts. 1,655,029; Jan. 3.
- Die press. A. J. Thomas. Re17,085; Sept. 18.
- Die press, Automatic. C. D. McDonald. 1,663,018; Mar. 20.
- Die-press-stopping mechanism, Automatic. C. D. McDonald. 1,663,019; Mar. 20.
- Die rolling, Method and apparatus for. W. P. Witherow. 1,656,847; Jan. 17.
- Die-rolling mill. M. D. Morris and E. G. Du Barry. 1,669,879; May 15.
- Die sets, Drawing template for. P. H. Danly. 1,696,149; Dec. 18.
- Dies for forming throat sheets for boilers. W. Nees. 1,692,684; Nov. 20.
- Distock. J. J. Grove. 1,680,984; Aug. 14.
- Distock. H. W. Oster and G. D. Sleeth. 1,655,072; Jan. 3.
- Distock. L. V. Stoeltzen. 1,692,353; Nov. 20.
- Distock, Hand-operated. H. Bernaudin. 1,681,655; Aug. 21.
- Die-throwing device. J. Jung. 1,679,360; Aug. 7.
- Dieing-out machine. E. R. Boylan. 1,685,309; Sept. 25.
- Dielectric materials, Method of and apparatus for determining the energy losses in. E. E. Maneschi. 1,683,833; Sept. 11.
- Dielectric substance and manufacturing the same. A. Mouillefarine. 1,696,501; Dec. 25.
- Differential. D. D. Ormsby. 1,658,571; Feb. 7.
- Differential. C. O. Wynnan. 1,686,431; Oct. 2.
- Differential device. D. P. Weir. 1,654,623; Jan. 3.
- Differential, Double-radius-controlled. H. A. Knox. 1,679,610; Aug. 7.
- Differential driving arrangement. A. N. Shahpar. 1,679,098; July 31.
- Differential flotation process for mixed sulphide ores. K. Kawamura. 1,688,277; Oct. 16.
- Differential mechanism. J. S. Curran. 1,674,355; June 19.
- Differential mechanism. F. M. Lewis. 1,682,386; Aug. 28.
- Differential mechanism. M. B. Morgan. 1,657,091; Jan. 24.
- Differential mechanism. R. K. and E. K. Ortt. 1,677,682; July 17.
- Differential mechanism. E. Wildhaber and J. Gstyr. 1,683,938; Sept. 11.
- Differential movement and tachometer embodiment, Mechanical. G. P. Luckey. 1,693,485; Nov. 27.
- Diffusing and coloring reflected rays of light, Method and apparatus for. P. G. Myers. 1,662,123; Mar. 13.
- Diffusion plate. L. S. Washburn. 1,681,890; Aug. 21.
- Diffusion reaction. H. Walter. 1,685,759; Sept. 25.
- Digger; See—
- Clam digger. Potato digger.
- Plant digger. Trench digger.
- Digger and separator, Potato. C. F. Möller. 1,692,343; Nov. 20.
- Digging and loading machine, Coal. G. R. Lang. 1,676,097 July 3.
- Digging implement. L. E. Younie. 1,688,771; Oct. 23.

- Digging, lifting, and conveying apparatus. J. Zica. 1,666,869; Apr. 17.
- Digging machine. Marl. A. J. Elkins. 1,679,118; July 31.
- Dike or revetment. A. W. Farney. 1,681,686; Aug. 21.
- Dilator and applicator appliance, Combination. A. F. Reitz. 1,665,564; Apr. 10.
- Dilator, Anorectal. N. F. Pratt. 1,690,995; Nov. 6.
- Dilator, Nostril. W. A. Wells. 1,672,591; June 5.
- Dilator, Teat. C. Broersma. 1,693,545; Nov. 27.
- Diluting device for internal-combustion engines. B. F. Potter. 1,681,430; Aug. 21.
- Dimmer wall switch. G. Freeman. 1,664,165; Mar. 27.
- Dimming apparatus. W. E. McLaughlin. 1,674,052; June 19.
- Di Naphthyl-dicarboxylic acids and making same. R. Herz and W. Zerweck. 1,684,272; Sept. 11.
- Dining and billiard table, Convertible. T. W. Ruse and E. A. Cox. 1,661,965; Mar. 6.
- Dining chair. S. Jaffe. 1,693,512; Nov. 27.
- Dinitrate and preparing same, Diethylene glycol. W. H. Rinkenbach. 1,686,344; Oct. 2.
- Dinitro derivatives of perylene and its compounds, Manufacturing. K. Stieger. 1,688,837; Oct. 23.
- Dinitrotoluene, Manufacture of. E. H. Rodd and R. W. Everatt. 1,657,723; Jan. 31.
- Dioxan, Manufacture of. A. Knorr, and G. Steimmig. 1,681,861; Aug. 21.
- Dip bucket, Turpentine. E. A. Smith. 1,656,799; Jan. 17.
- Diphenylguanidine, Manufacture of. H. S. Adams and L. Meuser. 1,662,626; Mar. 13.
- Dipolymer, Making. I. W. Humphrey. 1,691,065; Nov. 13.
- Dipolymer, Making. I. W. Humphrey. 1,691,067-9; Nov. 13.
- Dipolymer, Making. I. W. Humphrey. 1,691,573; Nov. 13.
- Dipper for storage-battery plates, Acid. H. W. Lormor. 1,672,327; June 5.
- Dipper handle. W. M. Sheehan. 1,688,664; Oct. 23.
- Dipper, Ice-cream. S. B. Whiteside. 1,675,776; July 3.
- Dipper tooth. J. C. Taylor, jr. 1,675,283; June 26.
- Direction control for trailing objects, Variable. T. L. Watts. 1,694,195; Dec. 4.
- Direction finder. H. J. J. M. de R. de Bellescize. 1,675,332; July 3.
- Direction finder. A. Leib. 1,685,821; Oct. 2.
- Direction-indicating signal. H. Goldberg. 1,675,342; July 3.
- Direction-indicating signal. J. M. Maroney. 1,685,330; Sept. 25.
- Direction indicator. J. Y. Ainsa. 1,687,419; Oct. 9.
- Direction indicator. G. L. Baughman. 1,687,421; Oct. 9.
- Direction indicator. J. D. Brower, jr. 1,663,971; Mar. 27.
- Direction indicator. A. Dumke. 1,671,018; May 22.
- Direction indicator. H. E. Elrod. 1,693,918; Dec. 4.
- Direction indicator. J. F. Greene. 1,675,215; June 26.
- Direction indicator. R. L. Kimball. 1,655,907; Jan. 10.
- Direction indicator. R. H. Kitchen and H. N. Norris. 1,664,751; Apr. 3.
- Direction indicator. K. Koenigsberg. 1,689,786; Oct. 30.
- Direction indicator. C. McGannon. 1,681,867; Aug. 21.
- Direction indicator. J. L. McGrane. Des. 77,112; Dec. 4.
- Direction indicator. W. Zorn. 1,659,850; Feb. 21.
- Direction indicator for automobiles. E. Guerrero and A. Grey. 1,684,916; Sept. 18.
- Direction indicator for motor cars and other vehicles. J. W. Wood. 1,664,148; Mar. 27.
- Direction indicator for vehicles. V. Solla. 1,668,028; May 1.
- Direction indicator for vehicles. R. J. Weigle. 1,685,257; Sept. 25.
- Direction-indicator switch for automobiles. W. J. Reading. 1,683,988; Sept. 11.
- Direction indicator, Wind-. H. B. Whitcomb. 1,670,488; May 22.
- Direction signal. P. P. Basterreix. 1,669,890; May 15.
- Direction signal. A. Fehrmann. 1,665,087; Apr. 3.
- Direction signal. R. C. Forbell. 1,664,810; Apr. 3.
- Direction signal. G. C. Kalies. 1,675,298; June 26.
- Direction signal. D. W. Pratt. 1,663,859; Mar. 27.
- Direction signal. D. W. Pratt. 1,678,197; July 24.
- Direction signal. E. J. Rhoades. 1,660,722; Feb. 28.
- Direction signal. S. Schreiber. 1,695,349; Dec. 18.
- Direction signal, Automobile. C. O. Larson. 1,687,164; Oct. 9.
- Direction signal, Automobile. J. W. Yost. 1,660,983; Feb. 28.
- Direction signal, Vehicle. F. P. Carpenter. 1,691,431; Nov. 13.
- Direction signal, Vehicle. H. L. Snyder. 1,691,502; Nov. 13.
- Direction signal, Vehicle. K. Wall. 1,668,992; May 8.
- Directional signal. P. A. Stover. Des. 76,268; Sept. 4.
- Dirigible. R. Bylek. 1,657,955; Jan. 31.
- Dirigible device, Mechanically-piloted. L. B. Sperry. 1,670,641; May 22.
- Dirigible light. R. P. Nichols. 1,672,900; June 12.
- Dirigible light. L. M. Walden. 1,688,213; Oct. 16.
- Dirigible mounting and control mechanism therefor. G. W. H. Long. 1,694,477; Dec. 11.
- Dirigibles, Protecting and safety net for the anchorages of. W. Auberlin. 1,659,758; Feb. 21.
- Dirigibly-mounted light. C. Sklarek. Re16,979; May 29.
- Dirigibly-mounted light. C. Sklarek. 1,675,915; July 3.
- Dirigibly-mounted light. C. Sklarek. 1,676,364; July 10.
- Dirigibly-mounted light. C. Sklarek. 1,695,509; Dec. 18.
- Dirty and air separation. J. Squires. 1,664,092; Mar. 27.
- Dirty-floating device. O. Saaler. 1,673,534; June 12.
- Disappearing dog. A. G. Stuedeman. 1,655,580; Jan. 10.
- Discharge attachment for blue-print driers, Rear-. H. J. Brunk. 1,669,552; May 15.
- Discharge balance coil, Multiwinding. R. K. Honoman. 1,685,161; Sept. 25.
- Discharge device, Electric gas-filled glow-. G. Holst, E. Oosterhuis, and J. Bruijnes. 1,675,350; July 3.
- Discharge device, Electron-. S. W. Crowley. 1,672,482-3; June 5.
- Discharge device, Electron-. W. A. MacDonald. 1,683,202; Sept. 4.
- Discharge-device system, High-efficiency. J. L. Fearing. 1,695,042; Dec. 11.
- Discharge device, System including space. A. A. Oswald. 1,665,674; Apr. 10.
- Discharge mechanism for pie machines and the like. D. W. Smith. 1,695,511; Dec. 18.
- Discharge mechanism, Selector-. J. E. Johnson. 1,675,710; July 3.
- Discharge switch, Field. J. M. Brown. 1,685,936; Oct. 2.
- Discharge tube. P. R. Dijksterhuis. 1,672,116; June 5.
- Discharge tube, Argon-mercury. R. R. Machlett. 1,680,271; Aug. 7.
- Discharge tube, Electric. C. Bol. 1,695,226; Dec. 11.
- Discharge tube, Electric. G. Seibt. 1,696,103; Dec. 18.
- Discharge tube, Helium space. F. S. McCullough. 1,661,436; Mar. 6.
- Discharge valve for ice-machine compressors. E. R. De Luiz and H. L. Mitchell. 1,667,143; Apr. 24.
- Discharging and quenching mechanism for furnaces. F. T. Cope. 1,675,795; July 3.
- Discharging chlorine from tank cars, Method and device for. W. B. Leach, jr. 1,692,847; Nov. 27.
- Discharging praline cores from the powdering box, Device for. C. Göpel. 1,677,179; July 17.
- Discharging projectiles by centrifugal force, Apparatus for. B. F. S. Baden-Powell. 1,662,629; Mar. 13.
- Disconnecting switch. F. Ronneberger. 1,684,148; Sept. 11.
- Disconnecting switch. R. R. Stevenson. 1,679,184; July 31.
- Disconnecting switch. J. Stolz. 1,695,868; Dec. 18.
- Disengaging device. E. G. Templeton. 1,665,864; Apr. 10.
- Dish. K. P. Beattie. Des. 74,588; Mar. 6.
- Dish. M. Bronsther. Des. 75,210; May 22.
- Dish, Buoyant soap. H. F. Nelthorpe. 1,690,591; Nov. 6.
- Dish, Citrus-fruit-serving. R. Mann. Des. 74,938; Apr. 17.
- Dish, Covered. M. Bronsther. Des. 74,476; Feb. 21.
- Dish, Covered. J. V. Goddard. Des. 76,999; Nov. 27.
- Dish drier. A. G. Andrews. 1,679,594; Aug. 7.
- Dish drier. A. G. Andrews. 1,682,654; Aug. 28.
- Dish-forming machine. C. Barbieri. 1,661,248; Mar. 6.
- Dish-forming machine, Sundae-. C. Barbieri. 1,684,465; Sept. 18.
- Dish, Glass. M. Bronsther. Des. 74,475; Feb. 21.
- Dish, Glass. M. Bronsther. Des. 74,477; Feb. 21.
- Dish, Glass. M. Bronsther. Des. 75,209; May 22.
- Dish or analogous article. R. Dimes, jr. Des. 74,483; Feb. 21.
- Dish or analogous article, Covered. G. C. Thompson. Des. 76,963; Nov. 20.
- Dish or article of analogous nature. L. Hecht. Des. 77,089; Dec. 4.
- Dish or article of analogous nature. E. Tennhardt. Des. 75,939; July 31.
- Dish or similar article. K. P. Beattie. Des. 74,293; Jan. 24.
- Dish or similar article. W. P. Graham. Des. 76,536-7; Oct. 9.
- Dish or similar article. W. P. Graham. Des. 76,681; Oct. 23.
- Dish or similar article. A. G. Kintz. Des. 75,733-5; July 10.
- Dish or similar article. J. S. Richardson. Des. 76,420; Sept. 25.
- Dish or similar article, Border strip for a. A. F. Saunders. Des. 75,654; June 26.
- Dish or similar article, Covered. T. C. Merriman. Des. 77,021; Nov. 27.
- Dish or similar article, Covered. E. J. Ridgway. Des. 76,890; Nov. 13.
- Dish or similar article, Covered. A. Weber. Des. 77,139; Dec. 4.
- Dish or similar article, Covered vegetable. W. D. Haviland. Des. 74,506; Feb. 21.
- Dishpan. W. S. Thayer. 1,692,003; Nov. 20.
- Dish rack. H. R. Merseles. 1,655,281; Jan. 3.
- Dish, Serving. M. M. Pinney. 1,677,845; July 17.
- Dish, Serving. E. O. Weir. 1,694,957; Dec. 11.
- Dish, Soap. A. C. Brown. 1,696,666; Dec. 25.
- Dish, Soap. W. J. Mix. 1,683,566; Sept. 4.
- Dish, Soap. W. I. Rubovits. 1,674,066; June 19.
- Dish, Soap. A. Schoenfelder. 1,694,235; Dec. 4.
- Dish, Soap. W. Vernet. 1,659,644; Feb. 21.
- Dish support, Soap-. O. G. Hitchcock. 1,679,032; July 31.

- Disher, Multiple ice-cream. O. Hinz and R. Merrell. 1,688,079; Oct. 16.
- Dishes, Dust-excluding cover for. M. T. Devine. 1,655,597; Jan. 10.
- Dishwasher. R. L. Cotterill. 1,695,412; Dec. 18.
- Dishwasher. J. W. Lowthorp. 1,696,640; Dec. 25.
- Dishwasher. E. J. Nash. 1,664,084; Mar. 27.
- Dishwasher. A. E. Quant. 1,688,654; Oct. 23.
- Dishwasher. P. E. Skelton. 1,665,423; Apr. 10.
- Dishwasher. D. G. Smellie. 1,687,745; May 1.
- Dishwasher. G. Smith. 1,679,062; July 31.
- Dishwasher and soap holder, Combined. F. M. King, sr. 1,676,905; July 10.
- Dishwashers and the like, Cover for. F. G. Brotz. 1,662,818; Mar. 20.
- Dish washing and drying machine. J.-L. Breton. 1,682,063; Aug. 28.
- Dishwashing apparatus. L. Caskin. 1,691,839; Nov. 13.
- Dishwashing apparatus. E. J. Patelski. 1,658,413; Feb. 7.
- Dishwashing apparatus. A. Pike. 1,681,362; Aug. 21.
- Dishwashing device. A. M. Ahern. 1,695,703; Dec. 18.
- Dishwashing mechanism. N. I. Griffin. 1,668,808; May 8.
- Dishwashing machine. W. B. Barley. 1,658,548; Feb. 7.
- Dishwashing machine. J. Barry. 1,662,181; Mar. 13.
- Dishwashing machine. G. S. Blakeslee. 1,686,511; Oct. 9.
- Dishwashing machine. L. J. Boisselle. 1,655,354; Jan. 3.
- Dishwashing machine. J. L. Breton. 1,656,139; Jan. 10.
- Dishwashing machine. W. L. Conover. 1,679,465; Aug. 7.
- Dishwashing machine. E. L. Couch. 1,670,611; May 22.
- Dishwashing machine. E. F. Forsgard. 1,662,496; Mar. 13.
- Dishwashing machine. C. A. Johnson. 1,689,727; Oct. 30.
- Dishwashing machine. A. G. Kohler. 1,686,456; Oct. 2.
- Dishwashing machine. S. A. Kraft and S. T. Sheppard. 1,664,690; Apr. 3.
- Dishwashing machine. H. D. Maggio. 1,657,310; Jan. 24.
- Dishwashing machine. H. E. and H. R. Merseles, C. F. Simmons, and P. H. Engel. 1,655,280; Jan. 3.
- Dishwashing machine. A. Rymann. 1,668,923; May 8.
- Dishwashing machine. C. S. Sapp. 1,671,381; May 29.
- Dishwashing machine. H. F. Schmidt. 1,669,538; May 15.
- Dishwashing machine. C. Shank. 1,657,043; Jan. 24.
- Dishwashing machine. C. L. Templeton. 1,692,190; Nov. 20.
- Dishwashing machine. O. P. Tyler. 1,671,557; May 29.
- Dishwashing machines, Propeller blade for. H. M. Gowdy. 1,689,383; Oct. 30.
- Dishwashing, Method of and apparatus for. J. H. Stringham, E. Greene, and W. H. Swenarton. 1,672,286; June 5.
- Dishwashing, Sterilizing, and drying machine. J. L. Breton. 1,681,839; Aug. 21.
- Dishwater. H. F. Voshardt. 1,680,962; Aug. 14.
- Disinfectant and producing the same, Plant. R. Zellmann and D. Lammering. 1,694,497; Dec. 11.
- Disinfectants to the water contained in tanks used for water-closets and other like flushing purposes, Means or apparatus for supplying liquid. G. A. Turner. 1,688,098; Oct. 16.
- Disinfecting agent. K. Daimler, F. Just, G. Balle, and S. Fuchs. 1,691,228; Nov. 13.
- Disinfecting and insecticidal agent. H. Günzler and O. Neubert. 1,663,883; Mar. 27.
- Disinfecting cabinet and the like. C. S. Vale. 1,657,981; Jan. 31.
- Disinfecting device for water-closets and the like. L. E. Saunders and M. Finkelstein. 1,666,669; Apr. 17.
- Disinfecting seeds. G. Osvald. 1,670,980; May 22.
- Disintegrating device. F. J. E. China. 1,690,668; Nov. 6.
- Disintegrating machine. P. S. Mitts and W. J. Winston. 1,675,901; July 3.
- Disintegration of substances, Minute. F. J. E. China. 1,690,667; Nov. 6.
- Disintegrator. B. Cuniff. 1,666,640; Apr. 17.
- Disintegrator. W. M. Duncan. 1,683,244; Sept. 4.
- Disintegrator apparatus, Rotary. C. E. Dougan. 1,659,683; Feb. 21.
- Disintegrator for liquids, Centrifugal. W. S. Bowen. 1,692,617; Nov. 20.
- Disk and the production and application thereof, Container-closure. W. L. Wright and L. D. Pierce. 1,657,985; Jan. 31.
- Disk bit. H. H. Holdaway. 1,673,285; June 12.
- Disk bit, Multiple-cutter-. I. C. Bell. 1,657,604-6; Jan. 31.
- Disk bit, Rotary. W. C. Bailey. 1,670,092; May 15.
- Disk clutch, Friction. K. Tessky. 1,665,076; Apr. 3.
- Disk construction, Pulverizer. T. J. Barnes. 1,682,468; Aug. 28.
- Disk drill bit. W. C. Bailey. 1,692,919; Nov. 27.
- Disk drill, Rotary. H. H. Holdaway. 1,665,457; Apr. 10.
- Disk eccentric bit, Rotary-. S. G. Woodruff. 1,681,651; Aug. 21.
- Disk fan wheel. R. W. Oswald. 1,668,462; May 1.
- Disk for elastic material, Assembly. C. E. Callahan. 1,680,318; Aug. 14.
- Disk for tillage implements. F. A. Bucknan. 1,663,239; Mar. 20.
- Disk-forming machines, Method and apparatus for feeding rotating. J. W. Smith. 1,665,823; Apr. 10.
- Disk harrows, Attachment for. J. A. Henninger. 1,664,075; Mar. 27.
- Disk, Pocketed separating. C. C. Ingraham. 1,665,549; Apr. 10.
- Disk, Rotary. A. B. Scott. 1,656,022; Jan. 10.
- Disk sanding mechanism. E. C. Schacht. 1,693,163; Nov. 27.
- Disk separator. C. C. Ingraham. 1,665,548; Apr. 10.
- Disk, Surfacing. H. R. Stratford. 1,684,748; Sept. 18.
- Disk, Surfacing. H. R. Stratford. 1,687,071; Oct. 9.
- Disk wheel. E. Adel. 1,659,387; Feb. 14.
- Disk wheel. C. S. Ash. 1,675,630; July 3.
- Disk, Wheel. F. W. Barker. 1,670,431; May 22.
- Disk wheel. G. H. Forsyth. 1,657,533; Jan. 31.
- Disk wheel. G. H. Forsyth. 1,677,755; July 17.
- Disk wheel. C. S. Johnston. 1,684,398; Sept. 18.
- Disk wheel. H. Walters and R. A. Hoerman. 1,662,622; Mar. 13.
- Disk wheel. C. Werra and J. T. Watry. 1,662,944; Mar. 20.
- Disk-wheel and demountable-rim construction. R. W. Simpson. 1,681,503; Aug. 21.
- Disk wheel and making same. A. M. Stanley. 1,683,738; Sept. 11.
- Disk wheel, Concave demountable-rim. W. E. Williams. 1,654,849; Jan. 3.
- Disk wheel, Demountable. J. P. Tarbox. 1,666,722; Apr. 17.
- Disk-wheel structure, Heavy-duty. J. H. Hunt. 1,666,703; Apr. 17.
- Disk wheel using demountable rim. W. E. Williams. 1,672,239; June 5.
- Disks, buttons, or the like from irregularly shaped pieces of material, Producing buttons or blanks for. R. Stanforth. 1,660,726; Feb. 28.
- Disks, Forming tapered cross-section. E. D. Lowrie. 1,677,722; July 17.
- Disks, Method of and apparatus for making tapered. A. G. and A. W. Heinle. 1,658,195; Feb. 7.
- Disks or blanks for buttons or the like from irregularly shaped pieces of material, Production or manufacture of. H. T. Noyes. 1,695,817; Dec. 18.
- Disks or blanks for buttons or the like from irregularly shaped pieces of material, Production or manufacture of. H. T. Noyes and R. Stanforth. 1,695,816; Dec. 18.
- Dispatch carrier, Pneumatic-. D. J. MacMillan. 1,679,223; July 31.
- Dispatch system, Pneumatic-. E. Weigle. 1,663,031; Mar. 20.
- Dispatch systems, Carrier-distributing apparatus for pneumatic-. W. H. Dinspel. 1,658,480; Feb. 7.
- Dispatch systems, Station for pneumatic-. J. T. Cowley. 1,660,293; Feb. 21.
- Dispenser. F. W. Fitch. 1,660,035; Feb. 21.
- Dispenser. P. H. Horwitt. 1,678,339; July 24.
- Dispenser. E. L. Merzjoian. 1,695,599; Dec. 18.
- Dispenser and use. C. Barbieri. 1,693,883; Dec. 4.
- Dispenser, Cigarette and match. E. Peterson. 1,690,699; Nov. 6.
- Dispenser, Coin-controlled liquid. H. A. Messervy. 1,656,384; Jan. 17.
- Dispenser, Conical-cup. C. Barbieri. 1,694,157; Dec. 4.
- Dispenser, Cup. H. J. Baur. 1,677,166; July 17.
- Dispenser, Cup. W. B. Mangold. 1,673,917; June 19.
- Dispenser, Cigarette-package. L. B. Marbury. 1,675,814; July 3.
- Dispenser for lubricating oils. S. J. Pocock. 1,688,352; Oct. 23.
- Dispenser for paper napkins and like articles. J. O. Hunt and G. H. North. 1,679,904; Aug. 7.
- Dispenser for paper napkins and the like. S. A. Merrin. 1,692,463; Nov. 20.
- Dispenser for soap and other materials. S. M. Hurtt and J. C. Nugent. 1,673,827; June 19.
- Dispenser for soaps, creams, or the like. J. Karpe. 1,680,994; Aug. 14.
- Dispenser for tooth paste, shaving cream, etc. T. W. Johnson. 1,669,247; May 8.
- Dispenser, Fruit-juice. T. F. Denman. 1,672,930; June 12.
- Dispenser, Glue. T. Wakabayashi. 1,696,783; Dec. 25.
- Dispenser, Liquid. J. W. Bloodhart. 1,676,851; July 10.
- Dispenser, Liquid. T. M. Manson and C. H. Ward. 1,682,705; Aug. 28.
- Dispenser, Liquid-soap. J. M. Dabrowski. 1,677,750; July 17.
- Dispenser or the like, Napkin. P. H. Horwitt. Des. 75,563; June 19.
- Dispenser, Soap. W. J. Cousins. 1,677,709; July 17.
- Dispenser, Sugar. B. Levy. 1,688,123; Oct. 16.
- Dispenser, Twine. G. H. Pohle. 1,655,561; Jan. 10.
- Dispensing and cooling box, Beverage. H. R. Loosley. 1,692,672; Nov. 20.
- Dispensing and display device, Combination. D. M. Freeman. 1,671,186; May 29.
- Dispensing and display device. H. C. Smith. 1,654,841; Jan. 3.
- Dispensing and display stand, Combined. H. M. Boe. Des. 74,349; Feb. 7.
- Dispensing and measuring device, Milk. E. N. Austin. 1,682,363; Aug. 28.
- Dispensing apparatus. C. I. Anderson. 1,673,628; July 31.
- Dispensing apparatus. A. L. Boggs. 1,684,258; Sept. 11.
- Dispensing apparatus. S. Hinds. 1,688,314; Oct. 16.

- Dispensing apparatus. G. S. Klein. 1,689,393; Oct. 30.
 Dispensing apparatus. J. L. Morris. 1,676,833; July 10.
 Dispensing apparatus. J. D. Nouis. 1,666,178; Apr. 17.
 Dispensing apparatus. R. M. Roddick. 1,689,561; Oct. 30.
 Dispensing apparatus. E. Schultz. 1,659,167; Feb. 14.
 Dispensing apparatus, Beverage. C. M. Cordley. Des. 76,916; Nov. 20.
 Dispensing apparatus for carbonated beverages. A. W. Cartwright. 1,670,340; May 22.
 Dispensing apparatus for liquids, Joint for. G. Dubreuil. 1,655,093; Jan. 3.
 Dispensing apparatus, Liquid-. L. L. Da Costa. 1,655,646; Jan. 10.
 Dispensing apparatus, Liquid-. W. C. Jones. 1,690,730; Nov. 6.
 Dispensing apparatus, Liquid-. W. L. Marden. 1,673,880; June 19.
 Dispensing apparatus, Liquid-. F. A. Pflug. 1,679,918; Aug. 7.
 Dispensing apparatus, Lubricating-. O. U. Zerk. 1,676,626; July 10.
 Dispensing apparatus, Oil-. G. A. Brown. 1,683,021; Sept. 4.
 Dispensing apparatus, Visible. L. E. Baker. 1,691,539; Nov. 13.
 Dispensing apparatus, Visible-liquid-. L. E. Baker. 1,674,940; June 26.
 Dispensing applicator. R. Stewart. 1,685,727; Sept. 25.
 Dispensing bin. W. V. Black. 1,669,851; May 15.
 Dispensing bin, Rotary. R. Morris. 1,656,444; Jan. 17.
 Dispensing can. B. O. Rhodes. 1,667,822; May 1.
 Dispensing carbonated beverages, Apparatus for. W. E. Doughty. 1,663,684; Mar. 27.
 Dispensing carbonated beverages, Method and apparatus for. W. E. Doughty. 1,663,686; Mar. 27.
 Dispensing device, Gasoline. I. F. Newton. 1,695,436; Dec. 18.
 Dispensing closure for containers. M. K. O'Leary. 1,676,348; July 10.
 Dispensing container and method of dispensing articles therefrom. J. B. Ohlson. 1,685,292; Sept. 25.
 Dispensing device. L. Androff. 1,687,705; Oct. 16.
 Dispensing device. H. A. Birnbaum. 1,679,237; July 31.
 Dispensing device. C. W. Boles. 1,688,609; Oct. 23.
 Dispensing device. W. L. Colby. 1,682,215; Aug. 28.
 Dispensing device. M. Finger. 1,659,254; Feb. 14.
 Dispensing device. G. G. Floyd. 1,694,812; Dec. 11.
 Dispensing device. L. Gagne. 1,663,338; Mar. 20.
 Dispensing device. H. Hanson. 1,659,199; Feb. 14.
 Dispensing device. C. W. Hartwig. 1,684,623; Sept. 18.
 Dispensing device. A. W. Holmes, D. E. Jaques, and H. B. Coats. 1,691,192; Nov. 13.
 Dispensing device. V. H. Kelley. 1,669,167; May 8.
 Dispensing device. A. P. Miller and D. Siakel. 1,681,592; Aug. 21.
 Dispensing device. E. H. Moore and C. B. Surratt. 1,669,624; May 15.
 Dispensing device. F. S. Morrison. 1,694,925; Dec. 11.
 Dispensing device. E. Oldenbusch. 1,676,109; July 3.
 Dispensing device. L. W. Peck. 1,661,498; Mar. 6.
 Dispensing device. S. E. Ross and P. H. Bowlsby. 1,687,146; Oct. 9.
 Dispensing device. L. Rossi. 1,692,629; Aug. 28.
 Dispensing device. C. R. Schott. 1,676,358; July 10.
 Dispensing device. W. Tittle. 1,670,222; May 15.
 Dispensing device. W. E. Twichell. 1,691,171; Nov. 13.
 Dispensing device. W. A. Weizand. 1,659,065; Feb. 14.
 Dispensing device. E. G. Weissman. 1,662,593; Mar. 13.
 Dispensing device. E. G. Weissman. 1,663,429; Mar. 20.
 Dispensing device. E. G. Weissman. 1,663,510; Mar. 20.
 Dispensing device. B. F. Wupper. 1,674,149; June 19.
 Dispensing device. R. M. Zearing, jr., and C. J. Otenthal. 1,670,178; May 15.
 Dispensing device. N. and H. L. Zerkowitz and B. Bravman. 1,696,787; Dec. 25.
 Dispensing device, Automatic. O. Ricci. 1,669,841; May 15.
 Dispensing device, Bottle-. A. O. Guerris. 1,680,876; Aug. 14.
 Dispensing device for paste tubes. C. C. Wells. 1,668,296; May 1.
 Dispensing device for safety matches. R. G. Seel. 1,694,930; Dec. 11.
 Dispensing device, Gasoline. J. B. Cravey and P. R. Pierson. 1,678,586; July 24.
 Dispensing device, Liquid-. N. S. Hillyard. 1,665,925; Apr. 10.
 Dispensing device, Match. E. Cole. 1,678,281; July 24.
 Dispensing device, Paper-. R. F. Fredlund. 1,686,911; Oct. 9.
 Dispensing device, Sanitary. E. C. Morris. 1,684,877; Sept. 18.
 Dispensing device, Tooth-paste-. U. T. Walker. 1,688,512; Oct. 23.
 Dispensing display device. W. C. Carlson. 1,670,797; May 22.
 Dispensing ice cream and the like, Apparatus. F. E. Key. 1,685,260; Sept. 25.
 Dispensing liquids, Apparatus for. A. E. Davenport. 1,671,814; May 29.
 Dispensing liquids, Apparatus for. W. E. Doughty. 1,663,685; Mar. 27.
 Dispensing liquids, Apparatus for. E. Hurlbrink. 1,691,070; Nov. 13.
 Dispensing liquids, Device for. L. A. Mapel. 1,672,983; June 12.
 Dispensing lubricants, Apparatus for. F. D. Gatchell. 1,687,014; Oct. 9.
 Dispensing lubricating oils, Apparatus for. H. R. Newman. 1,684,879; Sept. 18.
 Dispensing machine. A. F. Files. 1,654,540; Jan. 3.
 Dispensing machine. A. F. Files. 1,679,967; Aug. 7.
 Dispensing machine. A. F. Files. 1,686,804; Oct. 9.
 Dispensing machine. S. Hanson. 1,659,772; Feb. 21.
 Dispensing machine. V. H. Kelley. 1,674,251; June 19.
 Dispensing machine for bottled milk. W. J. Haack. 1,696,035; Dec. 18.
 Dispensing matter, Method of and apparatus for. J. W. Fay. 1,673,281; June 12.
 Dispensing means for shaving brushes. C. Ormond. 1,671,122; May 29.
 Dispensing mechanism, Multiple. S. K. Dennis. 1,681,930; Aug. 28.
 Dispensing napkins, Method and apparatus for. E. D. Pratt. 1,682,580; Aug. 28.
 Dispensing noxious materials. W. L. Lewis. 1,675,940; July 3.
 Dispensing package. J. P. Hanna. 1,671,285; May 29.
 Dispensing package. L. C. Spaldo. 1,657,942; Jan. 31.
 Dispensing stand. J. B. Bengel. Des. 75,002; May 1.
 Dispensing surgical plaster. R. P. Hayden. 1,692,503; Nov. 20.
 Dispensing system, Gasoline-. H. F. Stoke. 1,675,231; June 26.
 Dispensing tank. S. B. Merry. 1,673,696; June 12.
 Disperse systems, Manufacture of. C. A. Agthe. 1,696,374; Dec. 25.
 Dispensing irritants, Process and apparatus for. D. B. Bradner and N. E. Oglesby. 1,695,228; Dec. 11.
 Display-advertisement attachment for cigar lighters. E. L. Doty. 1,690,284; Nov. 6.
 Display and holding means, Card. A. M. Shook. 1,681,375; Aug. 21.
 Display and shipment box, Combination. C. R. Anderson. 1,682,463; Aug. 28.
 Display and statuette, Combined bottle. F. C. White. Des. 76,593; Oct. 9.
 Display and storage rack. L. L. McGoogan. 1,692,679; Nov. 20.
 Display and storage rack. A. Misrachi. 1,689,741; Oct. 30.
 Display and vending apparatus. E. Brunhoff. 1,676,682; July 10.
 Display and vending device. D. Lipschutz. 1,695,463; Dec. 18.
 Display apparatus. B. J. Buckingham. 1,680,034-5; Aug. 7.
 Display apparatus. I. S. Call. 1,656,557; Jan. 17.
 Display apparatus. W. F. Gehring. 1,673,113; June 12.
 Display apparatus. L. R. McDonald. 1,685,499; Sept. 25.
 Display apparatus. O. Samminiatielli. 1,687,391; Oct. 9.
 Display apparatus, Mechanical. A. M. Schick. 1,683,990; Sept. 11.
 Display apparatus, Vegetable and fruit. J. T. Henley. 1,679,031; July 31.
 Display appliance. J. T. Powers. 1,687,790; Oct. 16.
 Display appliance, Counter. W. H. Mathee. Des. 75,858; July 24.
 Display attachment for candy boxes. G. M. Blackwell. 1,672,196-7; June 5.
 Display bag. T. Huston. Des. 74,568; Feb. 28.
 Display board. F. T. Hayes. Des. 76,136; Aug. 21.
 Display board. W. B. Swan. 1,674,308; June 19.
 Display booth. E. Reich. Des. 76,153; Aug. 21.
 Display box. J. Andersen. 1,673,638; June 12.
 Display box. S. C. Anschell. 1,689,763; Oct. 30.
 Display box. A. E. Brown. 1,669,856; May 15.
 Display box. J. Bulova. 1,681,092; Aug. 14.
 Display box. E. E. Darragh. 1,674,953; June 26.
 Display box. A. E. Keppler. 1,681,347; Aug. 21.
 Display box. R. A. Lambert. 1,683,745; Mar. 27.
 Display box. S. N. Leopold. 1,685,606; Sept. 25.
 Display box. W. J. Mitchell. 1,678,521; July 24.
 Display box. J. W. Sauer. 1,663,958; Mar. 27.
 Display box. C. D. Vest. 1,682,449; Aug. 28.
 Display box. A. E. Wallick. 1,660,404; Feb. 28.
 Display box, Card-. H. M. Rose. 1,671,993; June 5.
 Display box or similar article. D. Friedman and S. Ehrenfeld. Des. 75,552; June 19.
 Display card. F. E. Everson. 1,657,381; Jan. 24.
 Display card. H. V. Marsh. 1,670,464; May 22.
 Display card. E. R. Person. 1,688,985; Oct. 23.
 Display card. P. L. Rittenhouse. 1,689,155; Oct. 23.
 Display card for tools. G. A. Moore. 1,670,204; May 15.
 Display case. M. Albaugh. 1,680,275; Aug. 14.
 Display case. W. P. Bott. 1,689,713; Oct. 30.
 Display case. O. Demers. 1,659,192; Feb. 14.
 Display case. A. L. Garniss. 1,679,468; Aug. 7.
 Display case. O. A. Hansen. 1,689,134; Oct. 23.
 Display case. E. Herberg. 1,671,153; May 29.
 Display case. S. Ritter. Des. 74,761; Mar. 20.
 Display case. J. R. Tisdale. Des. 74,201; Jan. 3.
 Display case. J. H. Van Sickels. 1,655,346; Jan. 3.
 Display case and advertising signboard, Combined merchandise-. C. O. Teeter. Des. 76,271; Sept. 4.
 Display case or similar article. W. A. Fifer. Des. 75,679; July 3.

- Display case or similar article. J. J. Norvelle. Des. 76,888; Nov. 13.
- Display case, Refrigerated. E. Friedrich. 1,671,419; May 29.
- Display cover. L. G. Nelson. 1,655,284; Jan. 3.
- Display device. H. S. Alexander. 1,677,318; July 17.
- Display device. M. Boxer. 1,675,154; June 26.
- Display device. G. E. Chatillon. 1,693,591; Dec. 4.
- Display device. D. R. Collins. 1,690,477; Nov. 6.
- Display device. L. R. Conwell. 1,692,404; Nov. 20.
- Display device. N. A. Cossenas. 1,656,620; Jan. 17.
- Display device. J. S. Dawley. 1,680,016; Aug. 7.
- Display device. G. F. Egan. 1,668,059; May 1.
- Display device. G. F. Egan. 1,668,109; May 1.
- Display device. G. F. Egan. 1,681,527; Aug. 21.
- Display device. G. F. Egan. 1,690,218-19; Nov. 6.
- Display device. F. A. Gritt. 1,671,071; May 22.
- Display device. G. Hornecker. 1,682,758; Sept. 4.
- Display device. A. Lefevre, jr. 1,689,790; Oct. 30.
- Display device. R. B. Meller. 1,694,551; Dec. 11.
- Display device. B. and M. Messinger. 1,656,527; Jan. 17.
- Display device. L. Moses. 1,677,840; July 17.
- Display device. H. L. Myers. 1,687,881; Oct. 16.
- Display device. W. Pettit. 1,684,198; Sept. 11.
- Display device. W. E. and M. S. Platt. 1,685,336; Sept. 25.
- Display device. C. E. Ridgway. 1,683,098; Sept. 4.
- Display device. J. G. Ruckelshaus. 1,683,263; Sept. 4.
- Display device. L. Schumer. 1,657,413; Jan. 24.
- Display device. E. H. Snyder. 1,653,102; Feb. 7.
- Display device. G. A. Taylor. 1,694,024; Dec. 4.
- Display device. A. P. Thursby. 1,695,036; Dec. 11.
- Display device. A. W. P. Verger. 1,667,694; Apr. 24.
- Display device. T. H. Wilkinson. 1,678,967; July 31.
- Display device. C. Wood. 1,670,702; May 22.
- Display device. R. J. Zedler. 1,686,359; Oct. 2.
- Display device and container, Merchandise. W. B. Parmele. 1,668,572; May 8.
- Display device, Animated-. M. M. Williams. 1,696,827; Dec. 25.
- Display device, Collapsible. E. O. Bulman. 1,655,593; Jan. 10.
- Display device for advertising fruit juices. F. L. Borchert. 1,669,444; May 15.
- Display device for automobiles, License. S. J. Rideau. 1,685,558; Sept. 25.
- Display device for candy boxes or the like, Picture-. W. C. Carlson. 1,678,722; July 31.
- Display device for goods and prices. E. Herzog. 1,664,415; Apr. 3.
- Display device for merchandise. H. L. Myers. 1,687,137; Oct. 9.
- Display device for screens. L. Wasch. 1,688,255; Oct. 16.
- Display device for tires and the like. J. E. Ferguson and H. L. Mooney. 1,682,745; Sept. 4.
- Display device, Merchandise-. W. Zareko. 1,684,753; Sept. 18.
- Display device, Oil-. H. M. Boe. 1,691,333; Nov. 13.
- Display device, Oil-. H. M. Boe. 1,693,019; Nov. 27.
- Display device, Platform. F. A. Jones. 1,655,768; Jan. 10.
- Display device, Sectional. E. O. Bulman. 1,696,342; Dec. 25.
- Display device, Window. C. F. Castagna. 1,696,189; Dec. 25.
- Display dispenser. H. Zimmerman. 1,678,094; July 24.
- Display fixture. F. Sobel. Des. 74,333; Jan. 24.
- Display fixture. F. Sobel. Des. 75,293; May 22.
- Display fixture. F. Sobel. Des. 75,332; May 29.
- Display fixture, Advertising. J. P. Riley. Des. 77,026; Nov. 27.
- Display fixture, Bridge-lamp. A. G. Anderson. Des. 76,278; Sept. 11.
- Display fixture or the like. M. M. Friedemann. Des. 76,386; Sept. 25.
- Display frame. C. I. Siegel. 1,692,999; Nov. 27.
- Display hanger. J. A. Boatwright. 1,687,423; Oct. 9.
- Display method. A. Gnudi. 1,684,795; Sept. 18.
- Display poster. W. Freedman. 1,655,539; Jan. 10.
- Display rack. L. A. Altschul. 1,674,939; June 26.
- Display rack. W. H. Averill. 1,692,324; Nov. 20.
- Display rack. M. L. Bunnell. 1,663,397; Mar. 20.
- Display rack. J. H. Burdett. 1,661,406; Mar. 6.
- Display rack. J. J. Burns. Des. 74,352; Feb. 7.
- Display rack. B. Colman. 1,694,207; Dec. 4.
- Display rack. E. A. De Karske. 1,688,004; Oct. 16.
- Display rack. G. H. Dunn. 1,673,812; June 19.
- Display rack. C. H. Jarvis. 1,664,038; Mar. 27.
- Display rack. A. C. Juergens. Des. 75,628; June 26.
- Display rack. E. Larson. 1,656,439; Jan. 17.
- Display rack. J. H. Lepper. 1,671,830; May 29.
- Display rack. E. G. La Barre. 1,691,576; Nov. 13.
- Display rack. S. L. Weaver. 1,661,207; Mar. 6.
- Display rack. E. B. Weston. 1,667,913; May 1.
- Display rack, Glove-. R. E. Thompson. 1,695,618; Dec. 18.
- Display rack, Hosiery-. E. Larson. 1,691,293; Nov. 13.
- Display rack, Shoe-. J. G. May. 1,670,973; May 22.
- Display stand. G. S. Bailey. 1,693,802; Dec. 4.
- Display stand. R. O. Berke. 1,684,340; Sept. 11.
- Display stand. E. Brunhoff. 1,686,954; Oct. 9.
- Display stand. J. E. Burgess. 1,684,124; Sept. 11.
- Display stand. M. C. Burke. 1,682,660; Aug. 28.
- Display stand. C. T. D'Angelo. Des. 76,856; Nov. 13.
- Display stand. J. H. De Weese. Des. 76,381; Sept. 25.
- Display stand. E. R. Ellis. Des. 76,672; Oct. 23.
- Display stand. P. Germain, jr. 1,695,893; Dec. 18.
- Display stand. B. B. Geyer. Des. 76,297; Sept. 11.
- Display stand. F. W. Gibson. 1,676,216; July 3.
- Display stand. L. Halk. Des. 76,795; Nov. 6.
- Display stand. C. R. Hamlin. 1,687,205; Oct. 9.
- Display stand. A. L. Hansen. 1,679,082; July 31.
- Display stand. J. G. Huye. 1,687,616; Oct. 16.
- Display stand. R. K. Irvine. 1,688,048; Oct. 16.
- Display stand. W. P. Kesel. Des. 76,813; Nov. 6.
- Display stand. E. A. Locke, jr. 1,692,748; Nov. 20.
- Display stand. J. A. Lubbers. 1,665,271; Apr. 10.
- Display stand. W. H. Magee. 1,680,226; Aug. 7.
- Display stand. J. W. Megee. 1,667,669; Apr. 24.
- Display stand. R. B. Meller. 1,685,571; Sept. 25.
- Display stand. R. B. Meller. 1,687,875; Oct. 16.
- Display stand. R. L. Poulton. Des. 74,987; Apr. 24.
- Display stand. W. F. Price. 1,661,304; Mar. 6.
- Display stand. R. J. Rader. 1,692,311; Nov. 20.
- Display stand. J. M. Rae. 1,664,130; Mar. 27.
- Display stand. W. J. Shay. 1,664,530; Apr. 3.
- Display stand. R. I. Singer. Des. 74,524; Feb. 21.
- Display stand. F. Sobel. Des. 76,962; Nov. 20.
- Display stand. J. Sobel. Des. 74,843; Apr. 3.
- Display stand. J. Sobel. Des. 76,066; Aug. 14.
- Display stand. S. Sobel. Des. 77,132; Dec. 4.
- Display stand. H. J. Tilly. 1,657,649; Jan. 31.
- Display stand. C. J. Vesley. 1,695,935; Dec. 18.
- Display stand. B. E. Willett. 1,687,962; Oct. 16.
- Display stand, Advertising. J. H. Nash. Des. 74,187; Jan. 3.
- Display stand and case, Combined. S. B. Lavick. Des. 74,934; Apr. 17.
- Display stand and the like. A. J. Sigrist. 1,670,526; May 22.
- Display stand, Cosmetic-. H. Waldman. Des. 76,726; Oct. 23.
- Display stand, Dispensing. A. C. Crimmel. 1,693,592; Dec. 4.
- Display stand, Folding. W. H. Averill. 1,677,880; July 24.
- Display stand for fish and vegetables. C. A. Epperson. 1,654,724; Jan. 3.
- Display stand for merchandise. H. L. Myers. 1,687,136; Oct. 9.
- Display stand for merchandise. H. L. Myers. 1,687,138; Oct. 9.
- Display stand, Knockdown. W. S. Norman. 1,655,331; Jan. 3.
- Display stand or similar article. A. J. Geisenberger and J. A. C. Horn. Des. 75,233; May 22.
- Display stand or similar article. R. I. Singer. Des. 74,396-7; Feb. 7.
- Display stand, Sheet-metal. H. A. Fehn. 1,685,807; Oct. 2.
- Display structure. F. Pope. 1,671,933; May 29.
- Display-tray construction for show cases. J. F. Good. 1,666,851; Apr. 17.
- Display tray for artificial teeth and other objects. J. F. Gibson. 1,655,183; Jan. 3.
- Display unit, Merchandise-. F. Hiester. 1,666,821; Apr. 17.
- Display window. H. C. Harlan and W. J. Zimmerman. 1,689,872; Oct. 30.
- Displaying advertisements, Apparatus for. F. and M. A. Gusman. 1,669,052; May 8.
- Displaying automobile numbers, Device for. R. C. Carty. 1,677,580; July 17.
- Displaying device for coffin lids, Flower-. W. R. Campbell. 1,683,526; Sept. 4.
- Displaying flowers, Device for. E. A. Kemp. 1,681,040; Aug. 14.
- Displaying lantern slides bearing advertisements or other matter, Apparatus for automatically. S. C. Ryder. 1,695,029; Dec. 11.
- Displaying samples. R. F. Stenz. 1,688,249; Oct. 16.
- Dissolver, Boiler-compound. J. A. Thomason. 1,695,354; Dec. 18.
- Distance responsive controller. T. H. Phillips, jr. 1,661,677; Mar. 6.
- Distillates, Liquid phase purification of. T. G. Delbridge and J. B. Hill. 1,682,603; Aug. 28.
- Distillation. A. E. Becker. 1,676,724; July 10.
- Distillation. G. W. Watts. 1,689,606; Oct. 30.
- Distillation apparatus. J. Schneible. 1,670,743; May 22.
- Distillation, Apparatus for. H. M. Godsey. 1,673,238; June 12.
- Distillation apparatus, Low-temperature. H. G. Lykken. 1,685,496; Sept. 25.
- Distillation, Fractional. J. W. Lewis, jr. 1,680,421; Aug. 14.
- Distillation heater. F. H. Bunge. 1,673,225; June 12.
- Distillation of coal and similar carbonaceous substances. C. H. Parker. 1,687,990-1; Oct. 16.
- Distillation of combustible materials, Process and apparatus for. O. Hubmann. 1,690,935; Nov. 6.
- Distillation of crude petroleum. E. W. Isom and E. C. Herthel. 1,683,193; Sept. 4.
- Distillation of hydrocarbon oils, Continuous. R. D. Hunneman. 1,676,611; July 10.
- Distillation of oil from oil shale, Process of and apparatus for. H. B. Kipper. 1,682,287; Aug. 28.
- Distillation residues, Reclaiming. S. P. Coleman and W. S. Hughes. 1,676,687; July 10.
- Distillation residues, Reclaiming. R. E. Powell. 1,694,280; Dec. 4.

- Distilling and cracking process and apparatus therefor, combined. M. J. Trumble. 1,659,930; Feb. 21.
- Distilling combustible material. Apparatus for. O. Hubmann. 1,690,933-4; Nov. 6.
- Distilling hydrocarbons. F. E. Wellman. 1,680,580; Aug. 14.
- Distilling hydrocarbon oils. R. D. Hunneman. 1,676,609; July 10.
- Distilling hydrocarbon oils. R. E. Wilson. 1,676,610; July 10.
- Distilling lubricating oils. R. W. Hanna. 1,664,977; Apr. 3.
- Distilling oil shale and providing a raw material suitable for the manufacture of hydraulic cement. O. Tetens. 1,678,751; July 31.
- Distilling petroleum. H. H. Hewetson. 1,694,259; Dec. 4.
- Distilling shale. H. S. Reed and R. D. Lamie. 1,696,730; Dec. 25.
- Distributing apparatus for liquids, Automatic. L. H. Cornwall and G. P. Schmitt. 1,687,007; Oct. 9.
- Distributing apparatus, Powder-. A. L. Morse. 1,691,205; Nov. 13.
- Distributing box, Pothead or electric. E. W. McIntyre. 1,671,538; May 29.
- Distributing device. F. Toohey. 1,691,313; Nov. 13.
- Distributing device. W. B. C. Washburn. 1,694,897; Dec. 11.
- Distributing device for artificial-silk plants, Viscose-. A. C. Frey. 1,691,713; Nov. 13.
- Distributing device for solid soap. I. Gonyk. 1,693,480; Nov. 27.
- Distributing powdered material, Apparatus for. V. Royle. 1,686,256; Oct. 2.
- Distributing system for brickyards and the like. G. D. Warnick. 1,692,970; Nov. 27.
- Distribution system. L. F. Blume. 1,696,591; Dec. 25.
- Distribution system. A. W. Copley and R. D. Evans. 1,693,574; Nov. 27.
- Distribution system. E. R. Evans. 1,696,177; Dec. 18.
- Distribution system. A. H. Mittag. 1,676,990; July 10.
- Distribution system. H. V. Nye. 1,685,746-7; Sept. 25.
- Distribution system. J. C. Parker. 1,673,635; June 12.
- Distribution, System of. E. F. W. Alexanderson. 1,680,758; Aug. 14.
- Distribution, System of. W. S. Gould. 1,680,149; Aug. 7.
- Distribution, System of. J. J. Kane. 1,671,077; May 22.
- Distribution, System of. O. Pollok. 1,667,674; Apr. 24.
- Distributor. H. D. Currier. 1,692,819; Nov. 27.
- Distributor. E. A. Chellman. 1,696,340; Dec. 25.
- Distributor. G. C. Jett. 1,694,657; Dec. 11.
- Distributor for chemical pump boilers, Conical wood-chip. E. Castren and E. Oksa. 1,675,211; June 26.
- Distributor for condiments and the like. A. Angell. 1,680,584; Aug. 14.
- Distributor for fluid-pressure brakes. D. Božić. 1,679,348; Aug. 7.
- Distributor for hydrocarbon distillation systems, Distillate. F. M. Hess. 1,683,778; Sept. 11.
- Distributor for minerals fertilizers. E. C. Litchfield, C. C. Hermann, and V. Speer. 1,668,516; May 1.
- Distributor for slender articles of elongated shape. G. Bobergel. 1,686,255; Oct. 2.
- Distributor, Fuel. N. M. Lower and A. R. Chalker. 1,675,187; June 26.
- Distributor, Insecticide. E. Fowler and J. V. Lewis. 1,678,061; July 24.
- Distributor, Lubricator. J. J. Hennessy. 1,683,616; Sept. 11.
- Distributor, Mortar. G. D. Reagan. 1,679,007; July 31.
- Distributor, Toothpick. J. Iwanicki. 1,695,460; Dec. 18.
- Ditch cleaner. G. Dietrich. 1,659,768; Feb. 21.
- Ditch filler and levee leveler. A. H. Palmbush. 1,656,603; Jan. 17.
- Ditcher. B. C. Clutter. 1,681,282; Aug. 21.
- Ditcher. W. Doepke. 1,694,252; Dec. 4.
- Ditcher. C. Wagner. 1,665,428; Apr. 10.
- Ditches, Back filler for. J. H. Hodgen. 1,677,342; July 17.
- Ditching and levee building machine. O. W. Smith. 1,671,939; May 29.
- Ditching machine. R. C. Chattin. 1,672,557; June 5.
- Ditching machines, Digging member for. H. H. Barber. Re16,997; June 19.
- Dithiazyl disulphide, Preparing. C. M. Carson. 1,661,998; Mar. 6.
- Divided mold. C. E. Schmunk. 1,674,996; June 26.
- Divider. U. A. Rabie. 1,684,886; Sept. 18.
- Divider or compass. E. L. Rankin. 1,676,964; July 10.
- Dividers. J. L. O'Connor. 1,663,855; Mar. 27.
- Diving apparatus. C. J. Cooke. 1,681,029; Aug. 14.
- Diving apparatus for swimming pools. G. E. Rohmer. 1,693,669; Dec. 4.
- Diving contrivance adapted for deep-sea diving. J. G. Stein. 1,694,108; Dec. 4.
- Diving equipment. H. Stelzner. 1,692,591; Nov. 20.
- Diving stand, Portable. W. White. 1,671,801; May 29.
- Dock, Lumber-loading. J. A. Murray and E. B. McIntyre. 1,658,770; Feb. 7.
- Dockage tester. C. W. Carter. 1,676,519; July 10.
- Doctor bar. C. Ives. 1,682,522; Aug. 28.
- Document holder for files or the like. E. Ménard. 1,673,695; June 12.
- Doffer and donning mechanism, Combined. H. C. Miller. 1,669,769; May 15.
- Doffing apparatus for spinning, doubling, twisting, and like machines. S. Moorhouse. 1,683,939; Sept. 11.
- Doffing arrangement. W. J. Kerwin, Jr. 1,670,580. May 22.
- Dog-racing apparatus. T. H. McClain and R. B. Dale. 1,655,394; Jan. 3.
- Dog-racing apparatus. S. M. Pineles. 1,681,193; Aug. 21.
- Dolly. E. J. Holzer. Des. 74,371; Feb. 7.
- Dolly. E. Karfiol. Des. 75,689; July 3.
- Dolly. E. Karfiol. Des. 76,348; Sept. 18.
- Dolly. E. Karfiol. Des. 76,484; Oct. 2.
- Dolly. E. Karfiol. Des. 76,809-10; Nov. 6.
- Dolly. E. Karfiol. Des. 76,872; Nov. 13.
- Dolly or the like, Lace trimming for a. A. K. F. Har-napp. Des. 74,219; Jan. 10.
- Doll. E. V. Babbitt. Des. 74,911; Apr. 17.
- Doll. C. E. Batchelor. Des. 74,652; Mar. 13.
- Doll. A. N. Bennett. 1,672,242; June 5.
- Doll. L. M. Byrd. Des. 75,149; May 15.
- Doll. T. J. Byrne. 1,668,045; May 1.
- Doll. I. Cohn. 1,682,832; Sept. 4.
- Doll. G. Corman. Des. 74,720; Mar. 20.
- Doll. C. E. Davey. Des. 76,666; Oct. 23.
- Doll. G. C. Ford. 1,690,778; Nov. 6.
- Doll. G. L. Fraser and C. T. Kent. Des. 77,325; Dec. 25.
- Doll. H. S. Hitchcock. 1,668,204; May 1.
- Doll. R. C. Letson. 1,683,561; Sept. 4.
- Doll. J. Miller. Des. 76,950; Nov. 20.
- Doll. S. A. Milliken. Des. 76,033; Aug. 14.
- Doll. G. S. Morahan. Des. 77,181; Dec. 11.
- Doll. L. S. Newell and C. E. Brown. Des. 76,631; Oct. 16.
- Doll. F. J. Raufuss. 1,693,157; Nov. 27.
- Doll. G. D. Rogers. 1,661,093; Feb. 28.
- Doll. C. Stein and W. M. Heller. Des. 75,532; June 12.
- Doll. D. Stennard. Des. 76,359; Sept. 18.
- Doll and manikin heads, Apparatus for manufacturing. W. and H. Gluckin. 1,671,577; May 29.
- Dolls and other toys, Sounding device for. A. Konoff. 1,676,906; July 10.
- Doll and playpen. H. V. Eckardt. 1,661,283; Mar. 6.
- Doll and radio set, Combination. C. B. Sherlock. 1,666,946; Apr. 24.
- Doll-arm-actuating mechanism. J. M. Brock. 1,654,917; Jan. 3.
- Doll, Garden. Z. B. Webb. 1,679,347; Aug. 7.
- Doll head. L. B. Walker. Des. 77,048; Nov. 27.
- Doll head. J. C. White. 1,662,691; Mar. 13.
- Doll-house construction. R. Nitschke and H. Salois. 1,692,346; Nov. 20.
- Doll-limb articulator. M. D. Heyman. 1,654,933; Jan. 3.
- Doll, Mechanical. A. Gyger. 1,694,976; Dec. 11.
- Doll, Nonbreakable dressed. L. E. and M. E. Howard. 1,692,897; Nov. 27.
- Doll or the like. A. Kwasnicki. 1,676,096; July 3.
- Doll, Sleeping. J. N. Whitehouse. 1,663,324; Mar. 20.
- Doll structure. H. B. Bruckner. 1,660,594; Feb. 28.
- Dolls, Device for moving the eyes of. O. Resch. 1,685,000; Sept. 18.
- Doll's eyes. I. A. Rommer. 1,661,094; Feb. 28.
- Doll's voice. T. Hutnikow. 1,678,222; July 24.
- Dome closure, Car-tank-. R. W. Joy. 1,685,132; Sept. 25.
- Dome for tanks. J. J. Root, Jr. 1,669,022; May 8.
- Domestic appliance. F. J. Hardman. 1,681,404; Aug. 21.
- Domino. T. C. Graham. Des. 76,235; Sept. 4.
- Domino and making the same. T. C. Graham. Re17,103; Oct. 16.
- Domino and making the same. T. C. Graham. 1,675,891; July 3.
- Door. A. S. Barrows. 1,691,370; Nov. 13.
- Door. J. Boca. 1,675,633; July 3.
- Door. E. J. Hardtke. 1,676,496; July 10.
- Door. F. W. Hargrave. 1,680,987; Aug. 14.
- Door. A. Kirschbaum. 1,686,819; Oct. 9.
- Door. E. P. Meyer, J. Ter Meulen, and O. Gerhardt. 1,654,892; Jan. 3.
- Door. W. Pattinson. 1,678,952; July 31.
- Door. J. A. Pietsch. Des. 76,494; Oct. 2.
- Door. F. J. Plym. 1,668,696; May 8.
- Door-actuating spring. O. B. Arntzen. 1,655,685; Jan. 10.
- Door and jamb construction. H. B. Stein. 1,677,058; July 10.
- Door and mirror support, Combined. D. A. Martens. 1,661,899; Mar. 6.
- Door and operating means therefor, Car. F. G. Evans. 1,685,631; Sept. 25.
- Door and pusher interlock, Furnace. F. T. Cope. 1,690,272; Nov. 6.
- Door and sash sticking machine. J. C. Stutz. 1,672,740; June 5.
- Door and the like, Metal. A. C. Goddard. 1,689,823; Oct. 30.
- Door and the like, Metal. O. E. Zenker. 1,696,373; Dec. 25.
- Door and trough, Poultry-coop. F. X. Mudd. 1,691,665; Nov. 13.
- Door and window grating. A. M. Kuhl. 1,662,117; Mar. 13.
- Door arrangement, Car-. B. W. Kadel. 1,669,133; May 8.
- Door attachment, Screen-. O. V. Dusa. 1,694,168; Dec. 4.
- Door, Automatic electrically-operated. C. Rorabacher. 1,682,254; Aug. 28.
- Door, Automobile. A. L. Lambert. 1,670,857-9; May 22.
- Door, Automobile. A. L. Lambert. 1,671,595; May 29.
- Door, Automobile. J. Ledwinka. 1,663,514; Mar. 20.

- Door, Automobile. J. Ledwinka. 1,694,825; Dec. 11.
 Door, Automobile end. G. G. Gilpin. 1,688,140; Oct. 16.
 Door, Basement. O. W. Mielenz. 1,670,899; May 22.
 Door, Boiler dust. R. Will. 1,674,492; June 19.
 Door buffer. A. R. Whittington. 1,694,297; Dec. 4.
 Door, Cabinet. P. D. McAuliffe. 1,668,595; May 8.
 Door, Car end. R. C. Munro. 1,658,569; Feb. 7.
 Door catch. F. E. Forg. 1,686,805; Oct. 9.
 Door catch. M. J. Lewis. 1,662,119; Mar. 13.
 Door catch. W. Norman. 1,686,417; Oct. 2.
 Doorcheck. F. Cowan. 1,685,023; Sept. 18.
 Doorcheck. F. K. Eastman. 1,678,499; July 24.
 Doorcheck. F. K. Eastman. 1,683,713; Sept. 11.
 Doorcheck. J. E. Erickson. 1,657,114; Jan. 24.
 Doorcheck. R. B. Kingman. 1,678,817; July 31.
 Doorcheck. C. P. Olson. 1,693,860; Dec. 4.
 Doorcheck. G. A. Powell. 1,676,284; July 10.
 Doorcheck. J. C. Schmidt and W. Eichholz. 1,690,952; Nov. 6.
 Doorcheck. E. C. Schobert and F. G. Morrison. 1,661,706; Mar. 6.
 Doorcheck. J. Schornack. 1,696,701; Dec. 25.
 Doorcheck. G. H. Waldbauer. 1,689,001; Oct. 23.
 Doorcheck. G. H. Wuchert. 1,674,756; June 26.
 Door check and closer. F. H. Hamilton. 1,672,411; June 5.
 Door check and closer. P. S. Morgan. 1,688,428; Oct. 23.
 Doorcheck and door bumper, Combined. O. R. Reinicke and C. R. Leeman, jr. 1,693,158; Nov. 27.
 Door check and holder. A. F. Braff and F. Ottoson. 1,655,008; Jan. 3.
 Door check and holder. A. F. Braff and F. Ottoson. 1,661,164; Mar. 6.
 Door clamping means for washing machine, cylinders and the like. J. B. Sando. 1,657,181; Jan. 24.
 Door closer. W. F. Moore. 1,678,701; July 31.
 Door closer. R. S. Potter. 1,692,699; Nov. 20.
 Door closer. D. Shaw and W. F. Moore. 1,668,341; May 1.
 Door closer, Screen-. L. C. Morton. 1,662,395; Mar. 13.
 Door closer, Silent. H. J. Leberherz. 1,675,980; July 3.
 Door closing and checking device and the like. H. Smith. 1,671,614; May 29.
 Door closing and locking device, Automatic. C. L. Wolfe and J. A. Faurot. 1,690,264; Nov. 6.
 Door-closing apparatus. R. L. Jewell. 1,659,201; Feb. 14.
 Door-closing apparatus. R. L. Jewell. 1,659,202; Feb. 14.
 Door-closing mechanism. H. Rowntree. 1,674,662; June 26.
 Door-closing mechanism. O. P. Smith. 1,661,273; Mar. 6.
 Door closure. G. F. Banta. 1,661,554; Mar. 6.
 Door-closure mechanism. T. Brady. 1,685,081; Sept. 25.
 Door construction. G. E. Jarvis. 1,656,278; Jan. 17.
 Door construction. J. Ledwinka. 1,663,517; Mar. 20.
 Door construction. M. W. Moesta. 1,657,480; Jan. 31.
 Door construction. M. W. Moesta. 1,658,732; Feb. 7.
 Door construction, All-metal. W. Marshall. 1,688,085; Oct. 16.
 Door construction and control mechanism. W. M. Pratt. 1,671,608; May 29.
 Door construction, Metal. A. R. Gross. 1,680,538; Aug. 14.
 Door construction, Side-. K. J. Tobin and W. W. Darrow. 1,687,997; Oct. 16.
 Door construction, Wood. E. C. Loetscher. 1,662,151; Mar. 13.
 Door-control apparatus, Garage-. J. A. Anderson. 1,682,103; Aug. 28.
 Door control, Automatic electric. H. C. Blodgett. 1,677,129; July 17.
 Door control, Car-. G. E. Oakley. 1,687,223; Oct. 9.
 Door-control equipment, Car-. G. Macloskie and C. A. Ives. 1,683,142; Sept. 4.
 Door control for automotive busses. R. W. Bailey. 1,690,265; Nov. 6.
 Door-control means for elevators. H. W. Shonnard. 1,691,787; Nov. 13.
 Door controller. F. E. Martin. 1,678,122; July 24.
 Door-controlling mechanism for elevators. J. Rice. 1,692,187; Nov. 20.
 Door displacer, Grain-. W. L. Mier. 1,668,281; May 1.
 Door, Electrically-operated. H. Rowntree. 1,666,916; Apr. 24.
 Door, Elevator. C. W. Peelle. 1,678,196; July 24.
 Door, Elevator. H. W. Shonnard. 1,684,719; Sept. 18.
 Door engine. P. M. Griffin. 1,692,034; Nov. 20.
 Door extractor, Bottom-tilting-. I. D. Thomas. 1,689,216; Oct. 30.
 Door-extractor-operating mechanism. I. D. Thomas. 1,679,188; July 31.
 Door-fastening device, Adjustable. J. C. Farley. 1,659,317; Feb. 14.
 Door-fastening mechanism for vehicle bodies, Sliding-. J. M. Blauser. 1,669,227; May 8.
 Door, Fireproof elevator. P. R. Saurer. 1,678,652; July 31.
 Door, Fireproof metal. J. E. Lee. 1,680,221; Aug. 7.
 Door, Flue-draft. T. Olinger. 1,669,533; May 15.
 Door, Flush. F. Victor. 1,694,522; Dec. 11.
 Door for a depository, Entrance. E. C. Hanson and B. E. Hallquist. Des. 75,842; July 24.
 Door for automobile bodies. J. Ledwinka. Re16,907; Mar. 20.
 Door for automobile bodies. J. Ledwinka. 1,663,516; Mar. 20.
 Door for automobile bodies. J. Ledwinka. 1,663,519; Mar. 20.
 Door for automobile cars, End. G. G. Gilpin. 1,673,450; June 12.
 Door for box cars, Grain. N. Johnson and L. H. Strasser. 1,694,180; Dec. 4.
 Door for box cars, Grain. J. A. Schmitz. 1,679,880; Aug. 7.
 Door for box cars, Grain-car. A. Gillingham and E. Bjork. 1,681,113; Aug. 14.
 Door for furnaces. B. H. Christy. 1,690,619; Nov. 6.
 Door for hoppers. J. W. Lafferty. 1,694,598; Dec. 11.
 Door for mail boxes, Automatic. W. L. Cobb. 1,690,967; Nov. 6.
 Door for railway box cars, Side. A. E. Small. 1,681,814; Aug. 21.
 Door for railway cars, Corrugated drop. A. E. Small. 1,681,821; Aug. 21.
 Door for railway cars, Corrugated hopper. G. G. Gilpin. 1,673,449; June 12.
 Door for railway cars, Drop. A. E. Small. 1,681,815; Aug. 21.
 Door for railway cars, Side. A. E. Small. 1,681,820; Aug. 21.
 Door for refrigerators, Rear icing. C. H. Leonard. 1,688,870; Oct. 23.
 Doorcheck strap. F. K. Eastman. 1,657,528; Jan. 31.
 Door-checking device. W. B. Crowell. 1,655,137; Jan. 3.
 Doorframe. A. Entenman. 1,685,806; Oct. 2.
 Doorframe, Fire-tile. M. Liptak. 1,665,555; Apr. 10.
 Door frame, Hopper-car. W. E. Wine. 1,686,591; Oct. 9.
 Door frame, Wood and metal. I. A. Baum. 1,686,725; Oct. 9.
 Door-framing device. H. G. Waltke. 1,687,532; Oct. 16.
 Door, Furnace. J. H. Uhrig. 1,675,739; July 3.
 Door, Furnace. E. Williams. 1,690,606; Nov. 6.
 Door, Grain. W. W. Jackson. 1,658,442; Feb. 7.
 Door, Grain-car. G. W. Harer and J. J. Burri. 1,664,978; Apr. 3.
 Door, Grain-car. S. G. Hieff. 1,658,641; Feb. 7.
 Door, Grain-car. H. C. Tordsen. 1,661,514; Mar. 6.
 Door handle. J. Goodman. 1,663,938; Mar. 27.
 Door handle. R. S. Roberts. Des. 74,624; Mar. 6.
 Door handle and lock light, Combination. C. R. Cruys. 1,674,159; June 19.
 Door handle, Locking. R. Marple. 1,660,800; Feb. 28.
 Door handle or similar article, Automobile. W. C. Devereaux. Des. 76,671; Oct. 23.
 Door-handling mechanism. J. S. Nefczesauskas. 1,679,227; July 31.
 Door hanger. F. M. Davis. 1,670,880; May 22.
 Door hanger. J. Dickey. 1,692,632; Nov. 20.
 Door hanger, Cabinet-. M. Victorsohn. 1,662,048; Mar. 6.
 Door hanger, Car-. J. D. Kuhn. 1,670,455; May 22.
 Door hanger, Car-. J. D. Kuhn. 1,688,191; Oct. 16.
 Door hanger, Sliding-. W. P. Cramp. 1,689,665; Oct. 30.
 Door holder. E. Chiapparelli. 1,667,771; May 1.
 Door holder. J. M. Studer. 1,674,931; June 26.
 Door holder, Garage-. E. A. Busacker. 1,691,754; Nov. 13.
 Door holder, Garage-. P. Tishken. 1,669,178; May 8.
 Door holder, Garage. W. G. Winans. 1,658,824; Feb. 14.
 Door-holding means. E. A. Kruschka. 1,691,724; Nov. 13.
 Door hook. M. A. Estabrooks. 1,692,726; Nov. 20.
 Door, Hopper. A. G. Sendman. 1,662,760; Mar. 13.
 Door jamb and handhold, Combination. R. W. Jenkins. 1,684,832; Sept. 18.
 Door-knob and spindle fastening. C. D. Schunck and W. J. Kelly. 1,663,417; Mar. 20.
 Door-knob cover. A. S. Herdman and G. L. Thomas. 1,668,716; May 8.
 Door knocker. L. P. Hagan. Des. 76,538; Oct. 9.
 Door knocker. W. W. Taylor, jr. Des. 77,266; Dec. 18.
 Door knocker. J. W. Weiseisen. Des. 74,204; Jan. 3.
 Door-latching mechanism for automobiles. J. W. Signore. 1,662,985; Mar. 20.
 Door lock. M. Adamson. 1,660,904; Feb. 28.
 Door lock. A. Del Rosso. 1,688,207; Oct. 16.
 Door lock. W. Hüttemann. 1,682,521; Aug. 28.
 Door lock. B. Kovacs. 1,689,033; Oct. 23.
 Door lock. L. S. Lieberman. 1,671,249; May 29.
 Door lock. G. N. Mason. 1,678,994; July 31.
 Door lock. T. Nakahara. 1,675,041; June 26.
 Door lock. W. R. Schlage. 1,674,841; June 26.
 Door lock. A. E. Thomas. Des. 75,534; June 12.
 Door lock. J. M. Westcott. 1,696,466; Dec. 25.
 Door lock, Bar. S. A. Harper. 1,693,481; Nov. 27.
 Door lock, Combined top and front-. J. Ritter, jr. 1,675,425; July 3.
 Door lock, Sliding-. M. Martinek. 1,667,600; Apr. 24.
 Door, Mail-box. J. H. Ward, jr. Des. 75,309; May 22.
 Doormat. C. M. MacChesney. 1,674,833; June 26.
 Door mechanism. R. M. Edwards and J. P. Poschen. 1,661,719; Mar. 6.
 Door mechanism. M. G. Rockefeller. 1,655,478; Jan. 10.
 Door mechanism, Adjustable. S. H. Hemphill. 1,669,752; May 15.
 Door mechanism, Car-. B. W. Kadel. 1,686,239; Oct. 2.
 Door mechanism, Car-. B. W. Kadel. 1,686,618; Oct. 9.
 Door mechanism, Car-. W. E. Wine. 1,662,651; Mar. 13.
 Door mechanism, Elevator-. A. J. Rosentreter. 1,696,327; Dec. 25.

- Door mechanism for railway cars. W. E. Wine. 1,686,590; Oct. 9.
- Door mechanism, Garage. E. Beams. 1,678,583; July 24.
- Door, Metal. W. R. Brace. 1,687,537; Oct. 16.
- Door, Metal car. E. J. Fehr, and W. W. Darrow. 1,658,978; Feb. 14.
- Door, Metallic car. A. S. Barrows. 1,667,341; Apr. 24.
- Door, Metallic car. A. S. Barrows. 1,689,472; Oct. 30.
- Door motor, Electric. L. P. Hynes. 1,658,722; Feb. 7.
- Door mounting. E. J. Deisley. 1,663,531; Mar. 20.
- Door mounting. R. L. Jewell. 1,680,332; Aug. 14.
- Door mounting. C. O. Viers and L. D. Sheldon. 1,665,384; Apr. 10.
- Door-mounting means. W. S. Crawford. 1,680,133; Aug. 7.
- Door-mounting structure. D. W. Campbell. 1,696,175; Dec. 18.
- Door-moving mechanism, Car-. W. W. Doty. 1,694,166; Dec. 4.
- Door opener. L. E. Kupfer. 1,681,188; Aug. 21.
- Door opener and closer. H. H. Bliss and K. Porter. 1,692,541; Nov. 20.
- Door opener and closer, Sliding-. A. E. Small. 1,692,228; Nov. 20.
- Door opener, Automatic garage-. J. L. Love. 1,660,621; Feb. 28.
- Door opener, Furnace-. A. W. Hunt. 1,694,686; Dec. 11.
- Door opener, Garage-. F. Sheppard. 1,660,768; Feb. 28.
- Door opening and closing device. C. B. Bates. 1,661,648; Mar. 6.
- Door opening and closing device. W. M. Dunmore. 1,658,119; Feb. 7.
- Door opening and closing device. C. A. Purvis. 1,654,995; Jan. 3.
- Door opening and closing means. H. W. Shonnard. 1,684,893; Sept. 18.
- Door opening and closing mechanism. J. McMullen. 1,694,134; Dec. 4.
- Door-opening mechanism. H. S. Brady. 1,671,222; May 29.
- Door-opening mechanism, Automatic. H. A. Johnston. 1,674,597; June 19.
- Door-operated switch. H. Glaser. 1,696,712; Dec. 25.
- Door operating and holding mechanism. M. H. Graham. 1,658,240; Feb. 7.
- Door operating and locking mechanism. G. R. Treptow and C. E. Eklind. 1,672,507; June 5.
- Door-operating apparatus, Coke-oven-. H. Koppers. 1,678,864; July 31.
- Door-operating device. L. W. Huberty. 1,658,640; Feb. 7.
- Door-operating device. J. F. Russell and H. E. Ruffy. 1,694,431; Dec. 11.
- Door-operating device. D. H. Schlaegel. 1,676,164; July 3.
- Door-operating device. L. F. Schoelkopf. 1,657,554; Jan. 31.
- Door-operating device. N. Westby. 1,681,962; Aug. 28.
- Door-operating means, Grain-car-. J. Towers. 1,674,577; June 19.
- Door-operating mechanism. D. W. Campbell. 1,696,176; Dec. 18.
- Door-operating mechanism. F. J. Clark. 1,696,344; Dec. 25.
- Door-operating mechanism. P. R. Dobson. 1,692,821; Nov. 27.
- Door-operating mechanism. P. R. Forman. 1,686,850; Jan. 17.
- Door-operating mechanism. J. R. Gibbons. 1,663,196; Mar. 20.
- Door-operating mechanism. C. W. Gorman. 1,686,851; Oct. 9.
- Door-operating mechanism. H. H. Henricks. 1,683,464; Sept. 4.
- Door-operating mechanism. B. Jullen. 1,659,029; Feb. 14.
- Door-operating mechanism. E. Krohn. 1,669,565; May 15.
- Door-operating mechanism. J. F. O'Connor. 1,685,175; Sept. 25.
- Door-operating mechanism. E. T. Pearsons. 1,673,201; June 12.
- Door-operating mechanism. H. G. Schaefer. 1,671,318; May 29.
- Door-operating mechanism, Automatic. B. S. Harrington. 1,667,731; May 1.
- Door-operating mechanism, Checking means for. W. B. Crowell. 1,664,246; Mar. 1.
- Door-operating mechanism, Discharge-. F. E. Miller. 1,673,755; June 1.
- Door-operating mechanism, Elevator-. P. Lang. 1,681,545; Aug. 14.
- Door-operating mechanism, Elevator-. H. C. Waldman. 1,695,988; Dec. 23.
- Door-operating mechanism for refrigerator cars. S. J. Strid. 1,670,485; May 22.
- Door-operating mechanism for swinging doors of garages and the like. G. H. Bridgewater and C. M. Goben. 1,696,379; Dec. 25.
- Door-operating mechanism, Garage-. J. R. Harris. 1,680,517; Aug. 14.
- Door-operating mechanism, Refrigerator-car-. S. B. Haseltine. 1,682,041; Aug. 28.
- Door-operating mechanism, Refrigerator-car-door. J. F. O'Connor. 1,685,174; Sept. 25.
- Door-operating motor. A. Gottschalk. 1,670,535; May 22.
- Door or curtain operating mechanism. E. J. Vallen. 1,668,880; May 8.
- Door or screen, Automatic fire-protection. J. Schwab. 1,682,634; Aug. 28.
- Door, Oven. W. F. Rogers. 1,684,808; Sept. 18.
- Door, Pier-shed. M. H. Korn. 1,662,709; Mar. 13.
- Door pillars and the like, Finish strip for. W. Marshall and P. M. Camiener. 1,670,467; May 22.
- Door plate, Freight-car-. E. W. Systrom. 1,687,354; Oct. 9.
- Door, Pressed-metal sedan. J. Ledwinka. 1,663,515; Mar. 20.
- Door, Pressed-metal vehicle. J. Ledwinka. 1,663,518; Mar. 20.
- Door, Pressed-metal vehicle. J. Ledwinka. 1,663,520-1; Mar. 20.
- Door, Railway-car drop. A. E. Small. 1,681,823; Aug. 21.
- Door, Railway side. A. E. Small. 1,681,822; Aug. 21.
- Door, Refrigerator. E. R. Hammond. 1,666,258; Apr. 17.
- Door-releasing mechanism. W. M. Karr. 1,655,703; Jan. 10.
- Door retainer. E. R. Mitchell. 1,657,313; Jan. 24.
- Door retainer. W. Stutson. 1,688,095; Oct. 16.
- Door retainer and bumper, Combination. W. Stutson. 1,688,028; Oct. 16.
- Door-retaining device. L. Kucak. 1,674,649; June 26.
- Door, Revolving. H. M. Kennedy. 1,655,550; Jan. 10.
- Door, sash, and screen. C. F. Geschickter. 1,665,024; Apr. 3.
- Door securer. A. Lochhead. 1,672,166; June 5.
- Door securer. S. B. Hess. 1,695,686; Dec. 18.
- Door-securing means. K. J. Tobin and W. W. Darrow. 1,659,867; Feb. 14.
- Door-securing mechanism. E. E. Gage. 1,693,028; Nov. 27.
- Door, Service. F. R. Johnson. 1,668,409; May 1.
- Door, Service. F. J. Matchette. 1,670,372; May 22.
- Door, Service. A. R. Rossman. 1,671,610; May 29.
- Door shield, Mine-car-. P. J. Loughran. 1,659,206; Feb. 14.
- Door signal. G. S. Best. Des. 74,593; Mar. 6.
- Door, Sliding. C. C. McGinnis. 1,676,500; July 10.
- Door, Sliding swing. J. Cahill. 1,682,772; Sept. 4.
- Door spring. E. J. Coyne. 1,695,454; Dec. 18.
- Door, Steel. G. E. Stevenson. 1,681,958; Aug. 28.
- Doorstop. C. Blow. Des. 77,051; Dec. 4.
- Doorstop. E. H. Johnson. Des. 74,227; Jan. 10.
- Doorstop. G. G. Mellem. 1,694,550; Dec. 11.
- Doorstop. M. J. Sasgen. 1,656,394; Jan. 17.
- Doorstop. M. J. Sasgen. 1,687,517; Oct. 16.
- Doorstop. F. C. Trimbach. 1,661,240; Mar. 6.
- Door stop and holder, Combination. C. J. Abbey. 1,688,221; Oct. 16.
- Doorstop or similar article. R. L. S. Doggett. Des. 74,361; Feb. 7.
- Door stop and latch. J. W. Eskholme. 1,677,960; July 24.
- Door, Stove and oven. W. Moll. 1,677,286; July 17.
- Door strip and side-door-post protector, Combined grain-. S. L. Joiner. 1,682,281; Aug. 28.
- Door strip and side-door-post protector, Combined grain-. S. L. Joiner. 1,685,197; Sept. 25.
- Door structure, Car-. A. and C. Christianson. 1,676,426; July 10.
- Door structure for automobile bodies. J. Ledwinka. 1,696,310; Dec. 25.
- Door structure for display cabinets. L. W. Welch. 1,678,453; July 24.
- Door structure for pressure tanks. J. R. Gammeter. 1,663,755; Mar. 27.
- Door support, Car-. K. J. Tobin and W. W. Darrow. 1,674,748; June 26.
- Door, Swinging. W. S. Graff-Baker. 1,676,375; July 10.
- Door, Ventilating. L. S. Barr. 1,692,484; Nov. 20.
- Door, Ventilating. C. E. Weaver. 1,680,439; Aug. 14.
- Doorway and post structure for automobile bodies. J. Ledwinka. 1,674,729; June 26.
- Door-window regulator handle. J. J. Punke. Des. 75,981; Aug. 7.
- Door with combined screen and adjustable window. C. Eveleth. 1,682,271; Aug. 28.
- Doors, Adjustable striker plate for. E. R. and R. L. Singer. 1,688,626; Oct. 23.
- Doors and the like, Constructing vault or safe for. M. Goldsmith and C. Bartels. 1,692,550; Nov. 29.
- Doors and windows, Draft, dust, and weather excluder for hinged. J. Petrie. 1,659,700; Feb. 21.
- Doors, Assembling. H. C. Morris. 1,672,273; June 5.
- Doors, Buffer mechanism for car. E. R. Viberg. 1,663,428; Mar. 20.
- Doors, Fluid-pressure locking means for car. M. A. Craig, R. P. Steen, and S. A. Logsdon. 1,666,775; Apr. 17.
- Doors, Foot bolt for. C. E. Alexander. 1,670,430; May 22.
- Doors, Heat-tight and air-tight closing device for. A. C. F. Rathke. 1,682,091; Aug. 28.
- Doors, Locking. J. Imber. 1,657,575; Jan. 31.
- Doors of kitchen cabinets, Support for flexible. A. I. S. Halvorsen. 1,665,028; Apr. 3.

- Doors of tramway or like vehicles, Apparatus for operating and controlling the. H. R. Hockley and H. B. White. 1,694,543; Dec. 11.
- Doors, Peephole for. W. Frankel. 1,676,140; July 3.
- Doors, Push catch for. T. F. Stuart and H. A. Moore. 1,662,255; Mar. 13.
- Doors, Push catch for. T. F. Stuart and H. A. Moore. 1,664,576; Apr. 3.
- Doors, Retaining device for. W. I. Hoopes, jr. 1,664,174; Mar. 27.
- Doors, Road switch for electric garage. R. V. Morse. 1,656,750; Jan. 17.
- Doors, Safety device for. A. W. Parsons. 1,694,394; Dec. 11.
- Doors, Securing mechanism for. F. M. Curran and C. B. Norris. 1,669,371; May 8.
- Dorine for loose powder. J. L. Younghusband. 1,665,007; Apr. 3.
- Double-acting engine. C. E. Keas. 1,679,668; Aug. 7.
- Double lock, Permutation. J. Konkus. 1,676,394; July 10.
- Double-swivel hook. C. M. C. Barrett. 1,688,293; Oct. 16.
- Double-throw switch. H. J. L. Frank. 1,661,795; Mar. 6.
- Doubler. W. M. Blecker. 1,671,221; May 29.
- Doubling apparatus. A. R. McArthur. 1,696,097; Dec. 18.
- Doubling machine. W. F. Mayer. 1,670,974; May 22.
- Doubling machines, Slub catcher and tension for. F. E. Harding. 1,666,565; Apr. 17.
- Douche and syringe. J. W. and L. W. Butler. 1,680,762; Aug. 14.
- Douche and syringe. F. Drosselmeyer. 1,661,563; Mar. 6.
- Douche case. G. S. Appling. 1,679,146; July 31.
- Douche, Vaginal. H. H. Carstens. 1,666,684; Apr. 17.
- Dough and like plastic substances, Apparatus for cutting. G. R. Baker and W. E. Prescott. 1,659,715; Feb. 21.
- Dough, Apparatus for making. J. E. Wihlfahrt. 1,669,962; May 15.
- Dough cutter. F. Matzelle. 1,688,283; Oct. 16.
- Dough-depositing machine. A. W. Copland. 1,657,457; Jan. 31.
- Dough divider. W. G. Kirchhoff. 1,672,162; June 5.
- Dough kneading and mixing machine. F. Aeschbach. 1,685,187; Sept. 25.
- Dough-kneading machine for the production of dough portions ready for baking. R. Scholz. 1,678,747; July 31.
- Dough-kneading machinery. F. Aeschbach. 1,685,185; Sept. 25.
- Dough mixer. W. Guethler. 1,666,698; Apr. 17.
- Dough mixer. W. G. Kirchhoff. Re17,169; Dec. 25.
- Dough mixer. F. X. and E. J. Lauterbur. 1,680,948; Aug. 14.
- Dough, Mixing. F. X. and E. J. Lauterbur. 1,672,264; June 5.
- Dough-molding device. E. J. Sternberg. 1,658,864; Feb. 14.
- Doughnut cutting and cooking machines, Attachment for. J. Baumann. 1,670,230; May 15.
- Doughnut-cutting machine. J. R. Nye. 1,657,276; Jan. 24.
- Doughnuts and other food products, Making. J. Morley. 1,663,719; Mar. 27.
- Dough, Preparing. H. C. Herendeen. 1,660,839; Feb. 28.
- Dough-proofing machine. S. Schiff. 1,656,890; Jan. 17.
- Dough treating. L. S. Harber. 1,666,647; Apr. 17.
- Dovetailing, cogging, and indenting machine. P. Böttcher. 1,694,115; Dec. 4.
- Dowel. H. F. Zimmerman. 1,669,847; May 15.
- Dowel machine. D. Caron. 1,668,004; May 1.
- Downdraft heater. H. J. Rupp. 1,687,638; Oct. 16.
- Draft appliance. C. A. Gustafson. 1,678,114; July 24.
- Draft appliance. R. A. Morton. 1,665,817; Apr. 10.
- Draft appliance. V. J. Tegeler. 1,679,693; Aug. 7.
- Draft appliance, Locomotive. E. L. Schellens and J. S. Coffin, jr. 1,685,574; Sept. 25.
- Draft blower, Undergrate. H. C. Hook. 1,690,112; Nov. 6.
- Draft connection. G. Budreau. 1,659,016; Feb. 14.
- Draft connection. H. L. Ingersoll. 1,680,885; Aug. 14.
- Draft connection. J. A. Pilcher. 1,681,783; Aug. 21.
- Draft connection for car couplings. H. H. Wolfe. 1,679,801; Aug. 7.
- Draft-control system. W. P. Chandler, jr. 1,686,265; Oct. 2.
- Draft coupling. H. C. Zimmerman. 1,680,236; Aug. 7.
- Device, Forced-. C. Ducas. 1,688,118; Oct. 16.
- Draft equalizer. G. W. Culp. 1,692,113; Nov. 20.
- Draft equalizer. G. Johnson. 1,663,270; Mar. 20.
- Draft equalizer. J. Wurzer. 1,677,608; July 17.
- Draft evener. J. Kronack. 1,673,150; June 12.
- Draft fan inclosure, Forced-. W. D. Calhoun. 1,688,850; Oct. 23.
- Draft hitch. J. M. Rees. 1,655,564; Jan. 10.
- Draft installation, Mechanical. E. Haber. 1,689,241; Oct. 30.
- Draft-key retainer. C. H. Evans. 1,685,126; Sept. 25.
- Draft mechanism. A. Allen. 1,661,317; Mar. 6.
- Draft regulator. B. Goodman. 1,693,813-14; Dec. 4.
- Draft regulator, Automatic. E. Roucka. 1,672,039; June 5.
- Draft regulator, Automatic. W. W. Williams. 1,658,783; Feb. 7.
- Draft regulator for warm-air furnaces, Direct-. R. Judd, E. Taylor, and R. S. McNaney. 1,670,508; May 22.
- Draft rigging. D. S. Barrows. 1,685,209; Sept. 25.
- Draft rigging. S. B. Haseltine. 1,660,443; Feb. 28.
- Draft rigging. B. W. Kadel. 1,683,899; Sept. 11.
- Draft rigging. B. W. Kadel. 1,687,163; Oct. 9.
- Draft rigging. W. H. Yost. 1,654,569; Jan. 3.
- Draft-rigging details. C. H. Clark. 1,659,458; Feb. 14.
- Draft rigging for railway cars. C. J. Nash. 1,688,593; Oct. 23.
- Draft-rigging-key retainer. G. A. Johnson. 1,685,164; Sept. 25.
- Draft tube, Hydraulic. L. F. Moody. 1,695,200; Dec. 11.
- Drafting appliance. T. A. de Postels. 1,657,301; Jan. 24.
- Drafting device. F. A. Clark. 1,662,882; Mar. 20.
- Drafting device. J. L. West. 1,655,638; Jan. 10.
- Drafting implement, Adjustable. W. E. Howden. 1,684,224; Sept. 11.
- Drafting instrument. L. G. Strickland. 1,665,898; Apr. 10.
- Drafting square, Garment-pattern-. C. H. and E. E. Wolfe. 1,663,895; Mar. 27.
- Drafting system. H. A. Owen. 1,696,553; Dec. 25.
- Drafting table. E. J. Early. 1,658,838; Feb. 14.
- Drafting table, Universal. M. Reid. 1,676,746; July 10.
- Drag. A. J. Leedom. 1,670,265; May 15.
- Drag, Adjustable road. A. T. Bass. 1,667,301; Apr. 24.
- Drag clam. H. T. Dunbar. 1,671,233; May 29.
- Drag-line arrangement. E. J. Wilson. 1,691,100; Nov. 13.
- Drag-line excavator. C. D. Buoy. 1,695,480; Dec. 18.
- Drag, Road. A. Aikele. 1,663,965; Mar. 27.
- Drain. C. F. Gilbert. 1,681,981; Aug. 28.
- Drain board. W. U. Griffiths. 1,678,041; July 24.
- Drain-board construction, Sheet-metal. J. E. Gloekler. 1,660,958; Feb. 28.
- Drain board for wringers. C. Metrewitz. 1,688,733; Oct. 23.
- Drain board, Wringer. E. D. Misner. 1,655,622; Jan. 19.
- Drain cover. J. Wittman. 1,659,307; Feb. 14.
- Drain-dish support. V. B. Hagg. 1,660,074; Feb. 21.
- Drain for roadways, Metal. G. K. Mack and W. J. Berryman. 1,655,321; Jan. 3.
- Drain pit and grease rack, Covered. C. D. Fagan. 1,658,044; Feb. 7.
- Drain plug. B. P. Smith. 1,659,839; Feb. 21.
- Drainage board, Sink. F. S. Corrigan. 1,676,771; July 10.
- Drainage device for window screens. C. C. Engelbart. 1,681,846; Aug. 21.
- Drainage system for playing grounds. E. E. Martienssen. 1,665,104; Apr. 3.
- Drainer, Automobile crank-case. H. Higgins, A. L. Fish, and J. L. O'Hare. 1,686,749; Oct. 9.
- Drainer, Cellar. H. Gross. 1,694,199; Dec. 4.
- Drainer, Crank-case. H. Higgins, A. L. Fish, and J. L. O'Hare. 1,687,980; Oct. 16.
- Drainer, Dish. E. H. Ryerson. 1,691,858; Nov. 13.
- Drainer, Safety. N. E. Sharpneck and E. L. Sharpneck. 1,662,343; Mar. 13.
- Draining land, Apparatus for. F. S. Romney. 1,688,356; Oct. 23.
- Draining pad. J. R. Kinney. 1,677,641; July 17.
- Draining the low-pressure blading of steam turbines. K. Frey. 1,679,519; Aug. 7.
- Draining the main pipe of heating installations of railroad cars, Device for. H. Srolowitz. 1,694,289; Dec. 4.
- Drapery carrier. W. H. Edsall. 1,663,122; Mar. 20.
- Drapery fixture, Composite. C. W. Kirsch. 1,693,082; Nov. 27.
- Drapery-pole bracket. A. Dlouhy. Des. 75,963-4; Aug. 7.
- Drapery-pole bracket. R. H. Vermillion. Des. 76,723-4; Oct. 23.
- Drapery-pole bracket. R. H. Vermillion. Des. 76,096-109; Aug. 14.
- Drapery-pole bracket. R. H. Vermillion. Des. 76,438; Sept. 25.
- Drapery-pole center. A. Dlouhy. Des. 77,309; Dec. 25.
- Drapery-pole center. R. H. Vermillion. Des. 76,094-5; Aug. 14.
- Drapery-pole center. R. H. Vermillion. Des. 77,388-9; Dec. 25.
- Drapery-pole end. A. Dlouhy. Des. 75,960-2; Aug. 7.
- Drapery-pole end. R. H. Vermillion. Des. 76,071-93; Aug. 14.
- Drapery pole or rod bracket. G. Madvig. Des. 75,503; June 12.
- Drapery support. W. J. Furlong. 1,661,137; Feb. 28.
- Drapery suspension fixture, Composite. C. W. Kirsch. 1,662,928; Mar. 20.
- Drapes, Tie back for side. J. H. Boye. Des. 75,472; June 12.
- Draught, dust, and wear, Transfer for hinged doors and windows. J. Petro. Des. 75,447; June 19.
- Drawbar. J. R. Blackhall. Des. 75,447; Nov. 20.
- Drawbar, Harrow. G. W. Schulz. Des. 75,467; Nov. 27.
- Drawbar, Hinged-drag. F. A. Besancon and E. Warmbler. 1,663,108; Mar. 20.
- Drawbar. A. A. Rector. 1,689,454; Oct. 30.
- Drawbolt. W. E. Horton and A. Caro. Des. 75,117; May 8.
- Draw pot. J. A. Reece. 1,644,456; Sept. 18.
- Draw works. H. B. Ziegler. 1,663,431; Mar. 20.
- Drawer. E. E. Sanders. 1,659,164; Feb. 14.
- Drawer, Adjustable compartment metal. G. C. Brainerd, J. A. Fitch, and G. T. Gourley. 1,677,544; July 17.
- Drawer and slide therefor, Double-acting. C. L. Russ. 1,684,889; Sept. 18.
- Drawer mount. C. Bergmann. 1,676,991-2; July 10.

- Drawer pull. W. G. Carlson and O. John. Des. 74,778; Mar. 27.
- Drawer pull. E. H. Ellison. 1,680,602; Aug. 14.
- Drawer pull, Vitreous. A. C. Crimmel. 1,678,498; July 24.
- Drawer slide. R. I. Eustis and F. S. Beiger. 1,685,536; Sept. 25.
- Drawer support. J. Ritter, jr. 1,657,519; Jan. 31.
- Drawer support for articles of furniture. C. F. Wolters. 1,686,783; Oct. 9.
- Drawers, Buttonless. A. P. Pazowski. 1,662,981; Mar. 20.
- Drawing and flattening sheet glass, Method and apparatus for. E. T. Ferngren. 1,692,548; Nov. 20.
- Drawing and stamping presses, Shaft-control means for. H. J. Hinde. 1,694,063; Dec. 4.
- Drawing and steering trailer vehicles, Apparatus for. V. K. Lipp. 1,690,985; Nov. 6.
- Drawing apparatus. D. C. Kinnear. 1,694,922; Dec. 11.
- Drawing apparatus, Metal-. D. C. Kinnear. 1,679,906; Aug. 7.
- Drawing apparatus, Sheet-. N. Mambourg. 1,673,916; June 19.
- Drawing apparatus, Sheet-glass-. J. A. Reece. 1,692,569; Nov. 20.
- Drawing board. C. E. Barker. 1,688,516; Oct. 23.
- Drawing board and attached straight edge. C. C. Nuckols. 1,686,980; Oct. 9.
- Drawing-board attachment. A. P. Jacob. 1,684,353; Sept. 11.
- Drawing-board support. J. W. McAdam. 1,654,594; Jan. 3.
- Drawing device. S. W. Boggs. 1,692,326; Nov. 20.
- Drawing device. W. J. Witkus. 1,676,226; July 3.
- Drawing frame. H. Klufftinger. 1,694,510; Dec. 11.
- Drawing machine for drawing fine wires from suitable material, Multiple-wire-. P. Darmstadt, W. Stegmann, and V. Weil. 1,693,224; Nov. 27.
- Drawing mechanism. A. F. Ryans. 1,660,550; Feb. 28.
- Drawing mechanism for spinning fibrous materials. U. Dittmar. 1,685,838; Oct. 2.
- Drawing or drafting mechanism. J. Jolly. 1,684,993; Sept. 18.
- Drawing ring for wire-drawing machines. P. Darmstadt, W. Stegmann, and V. Weil. 1,688,159; Oct. 16.
- Dredge can. S. H. Lindgren. 1,683,832; Sept. 11.
- Dredge, Hydraulic. R. R. Dailey and L. Vorhies. 1,668,671; May 8.
- Dredge, Plow and jet elevator. J. M. Nicol. 1,690,239; Nov. 6.
- Dredger-bucket mounting and operating structure. J. E. Funk. 1,690,574; Nov. 6.
- Dredger-frame construction. J. E. Funk. 1,676,645; July 10.
- Dredger pipe line. N. A. Yuille. 1,662,178; Mar. 13.
- Dredging apparatus. J. Ream. 1,667,219; Apr. 24.
- Dredging pipe and manufacture thereof, Land-. J. J. Kane. 1,665,591; Apr. 10.
- Dredging mechanism, Hydraulic. L. Vorhies. 1,691,686; Nov. 13.
- Dredging vessel, Sand-. L. D. Smith. 1,690,380; Nov. 6.
- Dress. K. E. Burns. Des. 74,212; Jan. 10.
- Dress. K. E. Burns. Des. 74,253; Jan. 17.
- Dress. K. E. Burns. Des. 74,478; Feb. 21.
- Dress. K. E. Burns. Des. 76,121; Aug. 21.
- Dress. K. E. Burns. Des. 76,775; Nov. 6.
- Dress. K. E. Burns. Des. 76,914; Nov. 20.
- Dress. M. C. Schmolze. Des. 74,275-6; Jan. 17.
- Dress. M. C. Schmolze. Des. 76,824; Nov. 6.
- Dress. M. C. Schmolze. Des. 77,035-7; Nov. 27.
- Dress. M. Siegel. Des. 77,040; Nov. 27.
- Dress. G. Tancill. Des. 74,637; Mar. 6.
- Dress. G. Tancill. Des. 76,210; Aug. 28.
- Dress, Diving. Y. Murakami. 1,689,079; Oct. 23.
- Dress, Knitted. M. Gross. Des. 76,015; Aug. 14.
- Dress, Knitted. M. Gross. Des. 76,186; Aug. 28.
- Dress or similar article. E. M. Boyes. Des. 76,375; Sept. 25.
- Dresser, wardrobe, bookcase, and rack, Combined. F. C. Dieckmann. 1,690,404; Nov. 6.
- Dressing. E. J. Schelling. 1,667,222; Apr. 24.
- Dressing attachment for hob-grinding machines and method of dressing grinding wheels. J. Edgar. 1,686,802; Oct. 9.
- Dressing comb, Hair-. J. H. Cottle. 1,673,314; June 12.
- Dressing die. F. H. Leidecker. 1,686,454; Oct. 2.
- Drier. See—
- | | |
|----------------|-------------------------|
| Cabinet drier. | Lumber drier. |
| Clothes drier. | Laundry drier. |
| Cooker drier. | Open-top drier. |
| Dish drier. | Portable drier. |
| Fabric drier. | Print drier. |
| Film drier. | Radial drier. |
| Fruit drier. | Rotary drier. |
| Fuel drier. | Sheet-material drier. |
| Garment drier. | Shoe drier. |
| Hair drier. | Vegetable-matter drier. |
| Heat drier. | |
- Drier. D. H. Applegate, jr. 1,689,099; Oct. 23.
- Drier. E. B. Ayres and C. S. Morrison. 1,669,275; May 8.
- Drier. W. C. Carpenter. 1,655,724; Jan. 10.
- Drier. H. W. Clark. 1,687,829; Oct. 16.
- Drier. E. B. Darling. 1,668,632; May 8.
- Drier. E. P. Decker. 1,693,747; Dec. 4.
- Drier. W. Donato. 1,681,175; Aug. 21.
- Drier. C. E. Fuller. 1,661,655; Mar. 6.
- Drier. H. C. Harvey. 1,668,314; May 1.
- Drier. E. A. Hults. 1,685,028; Sept. 18.
- Drier. L. Judelson. 1,687,772; Oct. 16.
- Drier. T. F. Long. 1,659,532; Feb. 14.
- Drier. A. J. Lurry. 1,692,749; Nov. 20.
- Drier. W. L. Martin. 1,660,801-2; Feb. 28.
- Drier. C. F. Morrison. 1,696,172; Dec. 18.
- Drier. O. Nordström. 1,669,012; May 8.
- Drier and galvanizing apparatus, Double sheet. E. T. McCleary. 1,670,817; May 22.
- Drier and the combination thereof with drying oils. H. E. Buc. 1,686,484-6; Oct. 2.
- Drier construction. E. E. Berry. 1,664,656; Apr. 3.
- Drier control. A. W. Lissauer. 1,676,786; July 10.
- Drier-control system. S. A. Staeger. 1,664,229; Mar. 27.
- Drier driving means. J. W. Vedder. 1,670,832; May 22.
- Drier for sheet material. A. J. Vance. 1,675,284; June 26.
- Drier for veneer and sheet material. A. J. Vance. 1,675,285; June 26.
- Driers, Stirring device for. H. W. How. 1,672,218; June 5.
- Drill. See—
- | | |
|----------------------|---------------------|
| Antrum drill. | Percussive drill. |
| Boring drill. | Power-driven drill. |
| Close-quarter drill. | Radial drill. |
| Core drill. | Rock drill. |
| Dental drill. | Rotary drill. |
| Disk drill. | Spindle drill. |
| Grain drill. | Submarine drill. |
| Hammer drill. | Tool drill. |
| Hammer rock drill. | Track drill. |
| Hand drill. | Upright drill. |
| Mine drill. | Well drill. |
- Drill. R. D. Dodds. 1,659,769; Feb. 21.
- Drill. H. Mecom. 1,667,077; Apr. 24.
- Drill. R. E. Overman. 1,659,893; Feb. 21.
- Drill and like tool, Rock. A. T. and P. M. Holman. 1,666,383; Apr. 17.
- Drill attachment. J. Roth. 1,660,579; Feb. 28.
- Drill attachment, Rotary core-. A. L. Armentrout and E. B. Hall. 1,656,809; Jan. 17.
- Drill bit. C. H. Hanson. 1,666,898; Apr. 24.
- Drill bit. E. C. Whitesitt. 1,664,235; Mar. 27.
- Drill bit, Demountable. J. Maickel and R. L. Dyas. 1,670,896; May 22.
- Drill bit, Multiple-disk-. C. S. Crickmer and I. C. Bell. 1,657,610; Jan. 31.
- Drill bit of the flat-blade type, Rotary. C. E. Reed. 1,664,528; Apr. 3.
- Drill-bit reamer and gauge. I. C. Bell. 1,657,611; Jan. 31.
- Drill bit, Rotary. I. F. Harris. 1,669,467; May 15.
- Drill bit, Rotary. J. P. Samuelson. 1,678,201; July 24.
- Drill bit, Rotary. H. R. Tunnell. 1,683,502; Sept. 4.
- Drill bit, Rotary disk. L. C. Black. 1,655,176; Jan. 3.
- Drill bit, Self-sharpening rotary. J. Dahl. 1,656,511; Jan. 17.
- Drill bit with split-tang element, Cast. G. D. Shields. 1,656,296; Jan. 17.
- Drill boxing. L. C. Hardsocg. 1,684,351; Sept. 11.
- Drill chuck. M. P. Hubbell. 1,668,317; May 1.
- Drill chuck. S. V. Sears. 1,660,360; Feb. 82.
- Drill chuck. W. Shore. 1,693,823; Dec. 4.
- Drill column with coaxial power line. D. C. Klausmeyer and V. Julien. 1,658,808; Feb. 14.
- Drill depth gauge, Upright-. D. C. Klausmeyer and J. Utz. 1,672,128; June 5.
- Drill jig. G. E. Swartz. 1,658,748; Feb. 7.
- Drill joint, Coal-mining-. T. Turbis. 1,687,909; Oct. 16.
- Drill mechanism. T. R. E. Rundqvist. 1,690,504; Nov. 6.
- Drill nipple and oil saver, Flexible. F. W. Sadler. 1,680,068; Aug. 7.
- Drill or cutter. J. A. Schreiner. 1,675,469; July 3.
- Drill or mortising machine. R. E. De Walt. 1,683,763; Sept. 11.
- Drill press. G. E. Hallenbeck. 1,681,402; Aug. 21.
- Drill speed box, Master radial-. D. C. Klausmeyer. 1,666,422; Apr. 17.
- Drill steel, Making. W. H. Wineman. 1,668,442; May 1.
- Drill-steel retainer. A. H. Skaer. 1,689,408; Oct. 30.
- Drill stem. J. F. Bozeman and J. D. Cole. 1,662,358; Mar. 13.
- Drill stem. J. D. Nixon and M. Manning. 1,674,055; June 19.
- Drill support. J. Nagy. 1,661,956; Mar. 6.
- Drilling and pinning knife handles and the like, Machine for. M. Farnsworth. 1,679,415; Aug. 7.
- Drilling and reaming jig bushing. W. R. Fisher. 1,660,190; Feb. 21.
- Drilling and tapping machine, Combined. C. A. Stickney. 1,670,287; May 15.
- Drilling and vacuum clean-out machine. Well-. H. Manning. 1,668,327; May 1.
- Drilling apparatus. B. T. Anfield. 1,688,774; Oct. 23.
- Drilling apparatus. F. A. Halleck. 1,679,137; July 31.
- Drilling apparatus. H. H. Mercer. 1,662,801; Mar. 13.
- Drilling apparatus. W. A. Ross. 1,689,455; Oct. 30.
- Drilling apparatus. E. Whinnen. 1,690,469; Nov. 6.
- Drilling apparatus, attachment for well-. C. E. Hazel and H. C. Montgomery. 1,665,547; Apr. 10.

- Drilling apparatus, Deep-well. W. L. Childs. G. E. Behnke, and O. Duda. 1,656,471; Jan. 17.
- Drilling, Apparatus for hydraulic. E. H. Morrison. 1,661,672; Mar. 6.
- Drilling apparatus, Rotary. R. A. Lincoln. 1,660,714; Feb. 28.
- Drilling apparatus, Sample-taking device for. J. C. Stokes. 1,671,136; May 29.
- Drilling apparatus, Well-. G. R. Livergood. 1,693,609; Dec. 4.
- Drilling apparatus, Well-. J. E. Reed. 1,670,124; May 15.
- Drilling apparatus, Well-. W. Sheldon. 1,678,881; July 31.
- Drilling appliance. G. A. Montgomery. 1,659,327; Feb. 14.
- Drilling, Automatic. R. A. Sperry, S. J. Dickey, and J. A. Zublin. 1,658,262; Feb. 7.
- Drilling bit. Z. B. Higdon. 1,667,155; Apr. 24.
- Drilling bit. C. A. Towne. 1,669,360; May 8.
- Drilling bit, Well. A. W. Kammerer. 1,685,327; Sept. 25.
- Drilling brush backs longitudinally, Device for. A. Mertes. 1,661,700; Mar. 6.
- Drilling engine, Well-. W. Sheldon. 1,670,596; May 22.
- Drilling holes, Method and apparatus for. E. Smith. 1,688,994; Oct. 23.
- Drilling machine. J. S. Barnes. 1,673,897; June 19.
- Drilling machine. H. C. Brewster. 1,676,129; July 3.
- Drilling machine. A. G. Copeland. 1,682,955; Sept. 4.
- Drilling machine. F. W. Dine. 1,660,376; Feb. 28.
- Drilling machine. T. H. Doan, jr. 1,682,558; Aug. 28.
- Drilling machine. C. Gabrielson and A. Meldrum. 1,679,027; July 31.
- Drilling machine. G. W. Gage. 1,656,054; Jan. 10.
- Drilling machine. R. M. Galloway and P. C. Burton. 1,665,411; Apr. 10.
- Drilling machine. G. H. Gilman. 1,658,330; Feb. 7.
- Drilling machine. G. H. Gilman. 1,659,138-9; Feb. 14.
- Drilling machine. G. H. Gilman. 1,663,403; Mar. 20.
- Drilling machine. G. H. Gilman. 1,690,859; Nov. 6.
- Drilling machine. F. K. Krag. 1,674,867; June 26.
- Drilling machine. A. E. Robinson and A. M. Sosa. 1,660,137; Feb. 21.
- Drilling machine. A. E. Robinson and A. M. Sosa. 1,676,461; July 10.
- Drilling machine. W. T. Sears. 1,659,218; Feb. 14.
- Drilling machine. J. W. Stolle. 1,661,017; Feb. 28.
- Drilling machine. H. C. Wood. 1,667,022; Apr. 24.
- Drilling machine. A. F. Yeaton. 1,683,006; Sept. 4.
- Drilling machine and like machine tool, Electrically-driven. G. Feather. 1,680,212; Aug. 7.
- Drilling machine arm, Multiple-spindle. A. A. Riddell. 1,693,253; Nov. 27.
- Drilling machine, Casing-. M. N. Young and D. C. Patteson. 1,693,013; Nov. 27.
- Drilling machine, Power rail-. E. A. Everett. 1,671,575; May 29.
- Drilling machine, Radial. C. M. Conradson. 1,660,477; Feb. 28.
- Drilling machine, Radial-. G. Feather. 1,680,213; Aug. 7.
- Drilling machine, Rock-. J. J. Grant. 1,669,002; May 8.
- Drilling machine, Rock-. J. J. Grant. 1,669,004; May 8.
- Drilling machine, Rotary. E. E. Greve. 1,661,285; Mar. 6.
- Drilling machine, Rotary well-. J. H. and R. J. Holmgreen. 1,679,825; Aug. 7.
- Drilling machine, Track-. E. A. Everett. 1,674,858; June 26.
- Drilling machine, Traveling. S. M. Ratliff. 1,676,206; July 3.
- Drilling machine, Well-. A. L. Litzner. 1,682,295; Aug. 28.
- Drilling machine with arbor frame. G. W. Gage. 1,673,745; June 12.
- Drilling machine with split box. G. W. Gage. 1,673,744; June 12.
- Drilling machines, Chuck-positioning device and drill guide for. H. H. Knott. 1,693,904; Dec. 4.
- Drilling machines, Feed mechanism for. A. M. Johnson. 1,668,647; May 8.
- Drilling machines, Reversing mechanism for. R. M. Galloway and R. E. Sterling. 1,675,850; July 3.
- Drilling mechanism. E. G. Gartin. 1,679,139; July 31.
- Drilling mechanism. E. G. Gartin. 1,679,141; July 31.
- Drilling mechanism. E. G. Gartin. 1,684,669; Sept. 18.
- Drilling mechanism. E. G. Gartin. 1,688,807; Oct. 23.
- Drilling mechanism. E. G. Gartin. 1,691,404; Nov. 13.
- Drilling mechanism. J. G. Graham. 1,679,140; July 31.
- Drilling mechanism. H. H. Mercer. 1,668,861; May 8.
- Drilling mechanism. C. F. Osgood. 1,662,792; Mar. 13.
- Drilling mechanism. C. F. Osgood. 1,689,596; Oct. 30.
- Drilling mechanism. T. R. E. Rundqvist. 1,668,870; May 8.
- Drilling mechanism. T. R. E. Rundqvist. 1,684,888; Sept. 18.
- Drilling mechanism, Multiple. C. Jobst. 1,661,179; Mar. 6.
- Drilling motor, Rock-. C. H. Allen. 1,680,247; Aug. 7.
- Drilling or tapping machine, Automatic. A. M. Johnson. 1,679,530; Aug. 7.
- Drilling rig, Well-. C. H. Besse. 1,670,231; May 15.
- Drilling rigs, Water head for. D. W. McElroy. 1,695,019; Dec. 11.
- Drills, Attachment for. H. T. Thomas. 1,679,884; Aug. 7.
- Drills, Detachable handle for. F. H. Blanding. 1,667,280; Apr. 24.
- Drills, Dust-collecting device for rock. S. Mumovich. 1,664,786; Apr. 3.
- Drills, Fluid-pressure starter for gasoline. J. V. Rice, jr. 1,656,567; Jan. 17.
- Drills, Handle attachment for. S. Seaver. 1,667,271; Apr. 24.
- Drills, Head mount for multiple. R. M. Galloway. 1,694,814; Dec. 11.
- Drills, Magnetic analysis of. T. Spooner. 1,682,435; Aug. 28.
- Drills, Mounting for rock. E. B. Lear. 1,665,269; Apr. 10.
- Drills, Mud guard for submarine. C. C. Hansen. 1,692,440; Nov. 20.
- Drills, Riding attachment for. E. O. Bentson. 1,672,745; June 5.
- Drills, Rotation mechanism for rock. G. W. Hulshizer. 1,664,625; Apr. 3.
- Drills, Shell for rock. L. C. Bayles. 1,674,816; June 26.
- Drills, Spring handle for. E. W. Stevens. 1,656,301; Jan. 17.
- Drills, Steel refainer for rock. E. B. Lear. 1,666,176; Apr. 17.
- Drills, Telescopic guard system for. D. C. Klausmeyer. 1,659,978; Feb. 21.
- Drills, Valve for rock. W. A. Smith. 1,656,541; Jan. 17.
- Drills, Weight regulator for rotary. A. P. Braswell. 1,660,033; Feb. 21.
- Drink heater. J. W. Rittman, J. Rood, and W. Driver. Re16,908; Mar. 20.
- Drink mixer. R. A. Blish and S. J. Poplawski. 1,669,689; May 15.
- Drink stand. P. E. Ryerson. Des. 76,896; Nov. 13.
- Drinking fountain. H. W. Taylor. 1,671,386; May 29.
- Drinking glass. H. H. Dawson. Des. 76,667-70; Oct. 23.
- Drip attachment, Cup-. E. S. Packard. 1,683,205; Sept. 4.
- Drip pan. G. P. Childers. Des. 76,378; Sept. 25.
- Drive and driven device. G. H. Fraser. 1,694,008; Dec. 4.
- Drive device, Spiral. F. P. Breen. 1,685,702; Sept. 25.
- Drive for motor vehicles. A. D. Robbins. 1,695,296; Dec. 18.
- Drive unit. A. Champion. 1,670,841; May 22.
- Driver chuck. H. A. Lacerda. 1,686,412; Oct. 2.
- Driving and stopping mechanism. E. B. Allen. 1,659,937; Feb. 21.
- Driving box shoe and wedge. W. A. Cole. 1,660,151; Feb. 21.
- Driving composite piles. H. R. Smith. 1,665,228; Apr. 10.
- Driving device for the front wheels of motor cars. R. Schwenke. 1,678,447; July 24.
- Driving device, Unidirectional. G. Constantinesco. 1,664,874; Apr. 3.
- Driving endless conveyers. E. P. Webster. 1,696,465; Dec. 25.
- Driving means for rotary devices. J. R. Mahan and J. B. Picard. 1,688,084; Oct. 16.
- Driving mechanism. P. C. Bruckmann. 1,670,877; May 22.
- Driving mechanism. R. Chilton. 1,676,322; July 10.
- Driving mechanism. A. L. R. Ellis. 1,672,677; June 5.
- Driving mechanism. S. R. Howard. 1,665,463; Apr. 10.
- Driving mechanism. T. S. Miller. 1,674,979; June 26.
- Driving mechanism. J. E. Mitchell and O. Mitchell. 1,682,140; Aug. 28.
- Driving mechanism. H. F. Snyder. 1,657,699; Jan. 31.
- Driving mechanism, Auxiliary. J. E. Langford. 1,670,457; May 22.
- Driving mechanism for amusement devices. A. Spillman. 1,672,959; June 12.
- Driving mechanism for engine accessories. H. A. Gehres. 1,687,609; Oct. 16.
- Driving mechanism for implements, Automobile. C. A. Walters. 1,686,193; Oct. 2.
- Driving mechanism for producing gyratory motion of a suspended body. B. Neal and G. H. Hebebrand. 1,661,673; Mar. 6.
- Driving mechanism for the spindles of spinning and like machines. J. R. Bee. 1,669,585; May 15.
- Driving mechanism for vehicles. C. O. Guernsey. 1,684,314; Sept. 11.
- Driving mechanism for washing machines and wringers, Combined. H. J. Criner. 1,683,961; Sept. 11.
- Driving mechanism for work spindles. A. L. Harrington. 1,686,746; Oct. 9.
- Driving mechanism, Friction. J. Derry. 1,669,553; May 15.
- Driving mechanism, One-way. L. Robn and P. de Pontbiere. 1,663,922; Mar. 27.
- Driving mechanism, Yieldable. T. Maley. 1,667,864; May 1.
- Driving seat. R. A. Hauer. 1,656,946; Jan. 24.
- Driving shield. F. B. Moran. Re16,862; Jan. 31.
- Driving wheel. D. O. M. White. 1,657,329; Jan. 24.
- Drop and jack, Combined. C. Sparks. 1,659,789; Feb. 21.
- Dropper: See—
Seed dropper. Syringe and medicine dropper.
- Drum. L. S. Lockwood. 1,654,592; Jan. 3.

- Drum, and method of locking the drums and flange sections thereof, Draw-works. D. S. Faulkner and E. Timbs. 1,684,482; Sept. 18.
- Drum and stand, Fillet. H. J. Stevenson. 1,679,065; July 31.
- Drum assembly. L. J. Black. 1,662,410; Mar. 13.
- Drum, Automatic. A. M. Lifshitz. 1,685,090; Sept. 25.
- Drum, Barking. P. P. Westbye. 1,667,996; May 1.
- Drum, Demountable winding. O. B. Bjorge. 1,685,519; Sept. 25.
- Drum for centrifugal separating apparatus. K. J. Svensson and K. A. P. Norling. 1,688,838; Oct. 23.
- Drum for rotary draw works, Two-piece. E. Timbs. 1,670,600; May 22.
- Drum-operating mechanism. O. E. Clark. 1,664,377; Mar. 27.
- Drum, Pick-up. D. W. Olinger. 1,687,685; Oct. 16.
- Drum, pipe, fittings, etc. T. E. Murray. 1,696,725; Dec. 25.
- Drum, Practice. J. J. Straub. 1,688,561; Oct. 23.
- Drums, Head for shipping. C. H. Bollason. 1,663,775; Mar. 27.
- Drums, Reconditioning iron and steel. R. C. Heinzman. 1,696,036; Dec. 18.
- Dry battery. A. T. Baldwin. 1,671,566; May 29.
- Dry battery. W. M. Turnley. 1,688,565; Oct. 23.
- Dry-battery construction. E. E. Melsckothén. 1,664,126; Mar. 27.
- Dry battery, Electric. K. Stamm. 1,658,142; Feb. 7.
- Dry-battery structures, Forming. C. T. Schunk. 1,674,745; June 26.
- Dry cell. W. F. Hendry. 1,661,945; Mar. 6.
- Dry cell. W. F. Hendry and V. Yngve. 1,656,066; Jan. 10.
- Dry cell. G. W. Heise and H. H. Thompson. 1,667,317; Apr. 24.
- Dry cell. E. H. McCabe. 1,670,040; May 15.
- Dry cell. J. J. McCann and C. G. Birdsall. 1,670,590; May 22.
- Dry-cell battery. L. V. Ellis. 1,676,945; July 10.
- Dry-cell lining. V. Yngve and W. E. Vail. 1,670,604; May 22.
- Dry cells and batteries, Storage of. E. B. Wheeler and J. C. Wright. 1,680,656; Aug. 14.
- Dry cells, Depolarizing mix for. V. Yngve and C. G. Birdsall. 1,656,091; Jan. 10.
- Dry separating table. R. W. Arms. 1,665,249; Apr. 10.
- Drying. O. W. Randolph. 1,685,338; Sept. 25.
- Drying and polishing drinking glasses, Apparatus for. R. R. Parry. 1,667,739; May 1.
- Drying and shaping knitted articles, Apparatus for. E. J. Ziock. 1,692,430; Nov. 20.
- Drying apparatus. F. L. Allen and A. D. Flower. 1,680,274; Aug. 14.
- Drying apparatus. S. S. Gates. 1,692,498; Nov. 20.
- Drying apparatus. S. Green. 1,695,652; Dec. 18.
- Drying apparatus. W. W. Kemp. 1,676,091-2; July 3.
- Drying apparatus. W. L. McLaughlin. 1,673,464; June 12.
- Drying apparatus. J. B. Vernay. 1,681,690; Aug. 21.
- Drying apparatus, Filament-. S. A. Neidich. 1,691,165; Nov. 13.
- Drying apparatus for rotary kilns. F. Luther. 1,675,717; July 3.
- Drying apparatus for the drying of alimentary paste. G. Garbuio. 1,674,326; June 19.
- Drying apparatus, Fur-. H. A. Alter and M. Schwartzman. 1,692,716; Nov. 20.
- Drying apparatus, Hair-. E. Voss. 1,685,345; Sept. 25.
- Drying apparatus, Seed-cotton-. C. A. Bennett. 1,695,991; Dec. 18.
- Drying brick and tunnel therefor. C. E. Fuller. 1,688,306; Oct. 16.
- Drying by air circulation, economically. O. P. M. Goss and R. H. Rawson. 1,663,982; Mar. 27.
- Drying ceramic ware and apparatus therefor. T. H. Rhoads. 1,689,082; Oct. 23.
- Drying coal and like fuels. H. Fleissner. 1,679,078; July 31.
- Drying corrodible materials. A. Pearson. 1,687,588; Oct. 16.
- Drying device. C. H. Currier. 1,656,173; Jan. 17.
- Drying device. L. B. McCray and W. V. Morgan. 1,674,910; June 26.
- Drying fabrics and the like, Apparatus for. R. Schilde. 1,670,991; May 22.
- Drying form, Hosiery-. H. E. Houseman. 1,663,706; Mar. 27.
- Drying form, Hosiery-. F. J. Kienel. 1,669,251; May 8.
- Drying frame, Hinged. P. J. Timberlake. 1,692,523; Nov. 20.
- Drying-frame support. L. W. Rickey. 1,690,458; Nov. 6.
- Drying fruits. H. Heidenhain. 1,665,627; Apr. 10.
- Drying fruits, vegetables, and the like. S. T. Hoyt. 1,668,591; May 8.
- Drying fur pelts, Apparatus for. A. Pierini, A. T. Hopkins, and H. M. Haven. 1,684,927; Sept. 18.
- Drying gases. R. E. Slade and V. E. Parke. 1,664,997; Apr. 3.
- Drying grain as thrashed, Method and apparatus for. T. D. Campbell. 1,658,775; Feb. 7.
- Drying hay, grain, and the like, Process and apparatus for. A. W. Koon. 1,687,666; Apr. 24.
- Drying hydrogels. E. B. Miller. 1,674,558; June 19.
- Drying laundry, Apparatus for. P. F. Apfel. 1,661,551; Mar. 6.
- Drying lumber, Apparatus for. H. L. Henderson. 1,676,552; July 10.
- Drying macaroni, spaghetti, and like dough products. M. Abramchik. 1,662,656; Mar. 13.
- Drying machine. T. Allsop and H. H. Wigglesworth. 1,658,785; Feb. 7.
- Drying machine. T. Allsop and H. H. Wigglesworth. 1,660,312; Feb. 28.
- Drying machine. J. A. Firsching. 1,678,383; July 24.
- Drying machine. C. F. Gregg and E. Probst. 1,675,099; June 26.
- Drying machine. H. A. Hatfield. 1,673,241; June 12.
- Drying machine. W. W. Sibson and H. H. Wigglesworth. 1,690,436; Nov. 6.
- Drying machine. N. Troyer and M. L. Dodge. 1,662,371; Mar. 13.
- Drying machine. H. H. Wigglesworth. 1,690,439; Nov. 6.
- Drying machine, Automatic. W. P. Greiner. 1,690,447; Nov. 6.
- Drying machine, Continuous cube-. L. L. Edmunds. 1,675,260; June 26.
- Drying machine, Differential. W. Bock. 1,686,597; Oct. 9.
- Drying machines and the like, Drive for paper-. B. A. Malkin. 1,692,901; Nov. 27.
- Drying machines, Automatic damper-operating device for. F. G. Sargent. 1,663,180; Mar. 20.
- Drying machines, Exhaust-fan control for. F. G. Sargent and F. L. Furbush. 1,663,181; Mar. 20.
- Drying machines, Form carrier for. W. P. Greiner and H. Morshead. 1,681,143; Aug. 14.
- Drying materials. J. P. Devine. 1,678,559; July 24.
- Drying means for yarn-sizing machines. P. Greve. 1,692,373; Nov. 20.
- Drying metal cans, Apparatus for. N. H. Goldsworthy and G. Flook. 1,688,541; Oct. 23.
- Drying operations, Method of and apparatus for effecting rapid. G. L. Clark. 1,668,943; May 8.
- Drying or cooling material, Apparatus for. A. G. Huhn. 1,690,013; Oct. 30.
- Drying or smoldering loose material, Apparatus for. O. Döbelstein. 1,690,444; Nov. 6.
- Drying oriental rugs, Process and apparatus for. L. B. Case. 1,686,680; Oct. 9.
- Drying press. A. W. Caps. 1,665,403; Apr. 10.
- Drying process and apparatus. P. E. Wurflein. 1,675,076-7; June 26.
- Drying rack, Clothes-. O. A. Fruehauf. 1,663,297; Mar. 20.
- Drying rack, Clothes-. C. F. Smith. 1,684,153; Sept. 11.
- Drying-room tumbler. E. Davis. 1,664,809; Apr. 3.
- Drying, steaming, and conditioning tubular fabrics, Device for. M. M. Kasanof. 1,696,682; Dec. 25.
- Drying system. H. V. Mooney and W. W. Hicks. 1,683,984; Sept. 11.
- Drying textile fabrics, Apparatus for. U. Baumann, jr. 1,663,897; Mar. 27.
- Drying wood, Structure for. O. Engelbrektsen. 1,693,777; Dec. 4.
- Dryness controller. S. A. Staeger. 1,671,493; May 29.
- Dumb-bell. G. F. Jowett. 1,672,944; June 12.
- Dumb-waiter, Electrically-controlled. J. G. MacLaren. 1,683,391; Sept. 4.
- Dummy coupling. C. C. Farmer. 1,674,769; June 26.
- Dummy coursing rabbit. B. Miers. 1,659,117; Feb. 14.
- Dummy, Tackling. H. R. Hart and K. Fitzpatrick. 1,663,659; Mar. 27.
- Dump bodies, Mounting arrangement for. T. V. McDonald. 1,657,090; Jan. 24.
- Dump body. F. R. Allen and H. M. Champion. 1,690,045; Oct. 30.
- Dump body. R. E. Smith and R. J. Arnold. 1,695,034; Dec. 11.
- Dump box, Rotary conveyer. W. E. Sherwood. 1,669,789; May 15.
- Dump, Rotary. E. Ramsay. 1,685,203; Sept. 25.
- Dumping apparatus, Car-. W. F. Schadel. 1,675,197; June 26.
- Dumping body. F. Biszantz. 1,670,232; May 15.
- Dumping body. F. Biszantz. 1,671,884; May 29.
- Dumping body. F. Biszantz. 1,682,882; Sept. 4.
- Dumping body. F. Biszantz. 1,693,543; Nov. 27.
- Dumping-body-securing means, Releasable. J. C. Young. 1,674,533; June 19.
- Dumping device. C. F. Young and E. M. Ries. 1,662,653; Mar. 13.
- Dumping table. W. H. Grady. 1,694,591; Dec. 11.
- Duplex brake. V. Bendix and A. Y. Dodge. 1,689,767; Oct. 30.
- Duplex brake. N. A. Christensen. 1,664,451; Apr. 3.
- Duplex communication. J. F. Farrington. 1,659,945; Feb. 21.
- Duplicating. D. Gestetner. 1,664,675; Apr. 3.
- Duplicating apparatus of the rotary type having an automatic sheet-feeding device, Automatic. R. R. A. Le Grand and A. M. Garret. 1,656,207; Jan. 17.
- Duplicating machine. O. E. Braitmayer. 1,691,917; Nov. 20.
- Duplicating machine. J. Flanagan. 1,687,157; Oct. 9.
- Duplicating machine, Stencil-. E. J. Brasseur. 1,687,003; Oct. 9.
- Duplicating machines, Control mechanism for interleaving. E. J. Brasseur. 1,682,700; Aug. 28.

Duplicating or printing apparatus and particularly photographic step-and-repeat contact-printing apparatus. R. Harris. 1,686,559; Oct. 9.

Dust cap for lubricant-receiving nipples. M. F. Carr. 1,655,179; Jan. 3.

Dust cap for tire-inflating tubes. W. B. McBride. 1,673,293; June 12.

Dust cap, Quick-detachable. A. E. Bronson. 1,692,024; Nov. 20.

Dust catcher. F. R. McGee. 1,659,607; Feb. 21.

Dust charger for road plants. F. H. Cummer. 1,674,194; June 19.

Dust-collecting system for dry-cleaning tables. R. W. Arms. 1,695,570; Dec. 18.

Dust collector. J. C. Moon. 1,684,067-8; Sept. 11.

Dust collector. A. A. Serva and D. H. Friend. 1,672,001; June 5.

Dust extractor. A. H. Stebbins. 1,666,475; Apr. 17.

Dust guard and making the same. F. V. Chaney. 1,672,202; June 5.

Dust or dirt removing apparatus. S. Hagopian. 1,694,257; Dec. 4.

Dust separation, Centrifugal apparatus for. G. Keith. 1,682,285; Aug. 28.

Duster. D. E. Greene. 1,671,988; June 5.

Duster. J. A. Mann. Des. 74,571; Feb. 28.

Duster and wash stick. J. B. Zorn. 1,681,967; Aug. 28.

Duster for Ford trucks. H. Pounds and H. E. Patrick. 1,681,877; Aug. 21.

Duster, Hand. R. W. Jackson. 1,666,096; Apr. 17.

Duster, Mule back. E. J. Feeny. 1,686,317; Oct. 2.

Duster, Powder. M. Langhaus. 1,690,022; Oct. 30.

Dusting apparatus. C. D. Collins. 1,670,344; May 22.

Dusting apparatus. A. A. Lang. 1,674,048; June 19.

Dusting apparatus. W. L. Pitt. 1,666,350; Apr. 17.

Dusting apparatus for aircraft. A. L. Morse. 1,673,087; June 12.

Dusting apparatus, Seed-. B. F. Gustafson. 1,694,442; Dec. 11.

Dusting machine. A. L. Dunnagan. 1,674,391; June 19.

Dusting machine, Powder-. L. F. Burger. 1,691,563; Nov. 13.

Dustpan. F. Duhse. 1,678,284; July 24.

Dustpan. B. McGillan. 1,693,489; Nov. 27.

Dustpan and broom holder, Combined. J. T. Curran. 1,659,461; Feb. 14.

Dustpan and the like. M. E. Bentley. 1,683,517; Sept. 4.

Dye and making same, Trisazo. H. Jordan. 1,674,114; June 19.

Dye and preparing the same, Azo. E. Hoffa and E. Fischer. 1,684,275; Sept. 11.

Dye, Azo. H. Wagner. 1,695,164; Dec. 11.

Dye, Basic. J. Kern. 1,660,167; Feb. 21.

Dye composition, Edible-. H. H. Replogle. 1,678,648; July 31.

Dye, Hair. W. Kritchevsky. 1,663,202; Mar. 20.

Dye powder and manufacture. O. M. Bishop and M. S. Thompson. 1,659,131; Feb. 14.

Dye-printing fabrics with a free nonrepeat design. R. S. Bracewell. 1,668,934; May 8.

Dyeing. A. Bodmer. 1,694,526; Dec. 11.

Dyeing and printing and product obtained therein. M. Battegay. 1,686,224; Oct. 2.

Dyeing, Apparatus for preparing warp yarn for. E. E. Carlson and L. A. Stead. 1,691,702; Nov. 13.

Dyeing cellulose derivatives. H. Eichwede, E. Fischer, and C. E. Müller. 1,692,492-3; Nov. 20.

Dyeing composition. A. David. 1,687,751; Oct. 16.

Dyeing leather with acid azo dyestuffs. B. Vossen. 1,690,318; Nov. 6.

Dyeing, Mineral. C. B. White. 1,686,540; Oct. 9.

Dyeing of cellulose esters and ethers. A. Goeschke. 1,691,517; Nov. 13.

Dyeing of materials made with or containing cellulose derivatives. H. C. Olpin. 1,688,553; Oct. 23.

Dyeing of wool and/or silk. C. Shaw. 1,691,500; Nov. 13.

Dyeing, printing, or stenciling of acetyl cellulose or products made therewith. G. H. Ellis and W. O. Goldthorpe. 1,690,481; Nov. 6.

Dyeing, printing, or stenciling of cellulose acetate. G. H. Ellis. 1,694,414; Dec. 11.

Dyeing yarn. E. E. Carlson and L. A. Stead. 1,691,701; Nov. 13.

Dyeings fast to light, Producing. P. Rabe, H. Stötter, B. Wenk, and W. Schepss. 1,694,562; Dec. 11.

Dyes and making same, Azo. H. Wagner, H. Eichwede, and E. Fischer. 1,694,568; Dec. 11.

Dyes and making the same, Bluish sulphurized indophenol. H. Bots and A. Catineau. 1,695,756; Dec. 18.

Dyes from disulphonaphthyl pyrazolones and o-aminohydroxybenzenes, Monazo. L. W. Geller. 1,688,045; Oct. 16.

Dyes from pyrazolones and aminobenzene-polysulphonic acids, Monazo. L. W. Geller. 1,688,044; Oct. 16.

Dyes, Making triphenylmethane. R. M. Cole. 1,694,057; Dec. 4.

Dyestuff and cellulose derivatives dyed therewith, Azo. W. Hentrich. 1,695,654; Dec. 18.

Dyestuff and making same, Azo. H. Wagner and O. Sohst. 1,681,602; Aug. 21.

Dyestuff and making same, Metal compounds of azo. F. Straub, H. Schneider, and J. Spieler. 1,677,534; July 17.

Dyestuff and making same, Vat. J. G. Dinwiddie. Re-16,939; Apr. 24.

Dyestuff and making the same, Hydroxy-naphthalene-arylsulphoester azo. W. Neelmeier. 1,676,407; July 10.

Dyestuff and making the same, Hydroxy-naphthalene arylsulphoester azo. W. Neelmeier. 1,676,458; July 10.

Dyestuff and preparing the same, Violet vat. E. Fischer, H. Heyna, and J. Müller. 1,655,692; Jan. 10.

Dyestuff and preparing the same, Yellow azo. E. Fischer and C. E. Miller. 1,684,762; Sept. 18.

Dyestuff and producing same, Water-soluble. O. Siebert. K. Thiess, B. Schöner, R. Schmidlin, W. Benade, and B. Delcke. 1,684,330; Sept. 11.

Dyestuff and producing the same, Polyarylamine. K. Thiess, B. Delcke, and R. Schmidlin. 1,684,331; Sept. 11.

Dyestuff and producing the same, Violet vat. R. Herz and K. Thiess. 1,655,697; Jan. 10.

Dyestuff, Anthraquinone vat. W. Mieg. 1,690,236; Nov. 6.

Dyestuff, Anthraquinone vat. W. Mieg. 1,690,306-7; Nov. 6.

Dyestuff, Azo. W. Duisberg, W. Hentrich, and L. Zeh. 1,690,774; Nov. 6.

Dyestuff derived from 2-halogen-1,9-pyrazolanthrone, Vat. R. Berliner, B. Stein, and W. Trautner. 1,695,631; Dec. 18.

Dyestuff dyeing cotton yellow, Sulphur. E. Kramer. 1,675,499; July 3.

Dyestuff emulsion and of color lake therefrom, Production of. C. E. J. Goedecke. 1,672,454; June 5.

Dyestuff from dianthraquinonylamine-phenanthrenequinone, Vat. W. Meig and A. Job. 1,684,327; Sept. 11.

Dyestuff from naphthidine, Manufacture of. G. Le Floch. 1,694,884; Dec. 11.

Dyestuff, Indigoid. H. Staudinger, R. Tobler, R. Stocker, J. Müller, and A. Bucher. 1,679,277; July 31.

Dyestuff intermediates. F. Ballauf, F. Muth, and A. Schmelzer. 1,675,478; July 3.

Dyestuff of the anthraquinone series containing the triazine ring and making same, Vat. F. Ackermann. 1,663,474; Mar. 20.

Dyestuff powders, Production of. B. L. West. 1,672,920; June 12.

Dyestuff the 1-(2'-chloro)-phenyl-3-methyl-5-pyrazolone-azo-benzene, Azo. M. Schmid. 1,660,097; Feb. 21.

Dyestuff, Yellow vat. S. Gassner. 1,667,848; May 1.

Dyestuffs and making same. A. Catineau. 1,662,415; Mar. 13.

Dyestuffs and making same. F. Straub and H. Schneider. 1,667,333; Apr. 24.

Dyestuffs and making same, Azo. A. L. Laska and A. Zitscher. 1,657,803; Jan. 31.

Dyestuffs and making same, Diphenylmethane azo. C. Mettler. 1,689,739; Oct. 30.

Dyestuffs and making same, Ditolylmethane azo. C. Mettler. 1,689,740; Oct. 30.

Dyestuffs and preparing the same, Azo. H. Eichwede. 1,694,117; Dec. 4.

Dyestuffs and preparing them, Mordant azo. A. Philips and M. Dabelow. 1,684,778; Sept. 18.

Dyestuffs, Azo. J. Haller. 1,671,422; May 29.

Dyestuffs by dehalogenating polyhalogen-violarantrones, Vat. B. Mayer and H. Siebenbürger. 1,658,003; Jan. 31.

Dyestuffs, Complex copperammine azo. W. Hentrich and M. Hardtmann. 1,690,782; Nov. 6.

Dyestuffs containing chromium and making same. F. Straub, G. de Montmollin, J. Spieler, and C. von Planta. 1,656,844; Jan. 17.

Dyestuffs derived from 1,4,5,8-naphthalene tetracarboxylic acid and aromatic ortho-nitro-amines and preparing the same, Vat. W. Eckert. 1,690,775; Nov. 6.

Dyestuffs, Increasing the affinity of animal fibers for. E. Stocker. 1,662,404; Mar. 18.

Dyestuffs involving the use of aryl derivatives of amides of aromatic hydroxycarboxylic acids as mordants, Dyeing with basic. A. Guenther, J. Haller, and E. Köster. 1,663,451; Mar. 20.

Dyestuffs, Manufacture of azo. K. Holzach and R. Metzger. 1,690,900; Nov. 6.

Dyestuffs, Manufacture of water-soluble esterlike derivatives of vat. W. Bauer. 1,668,392; May 1.

Dyestuffs, Mordant disazo. W. Neelmeier and W. Rebnier. 1,660,625; Feb. 28.

Dyestuffs, Naphthophenazine. W. Neelmeier and T. Nocken. 1,686,026; Oct. 2.

Dyestuffs of the anthraquinone series. K. Weinand. 1,688,256; Oct. 16.

Dyestuffs of the anthraquinone-acridone series, Manufacture of vat. O. Unger and G. Böhner. 1,690,913; Nov. 6.

Dyestuffs of the phenonaphthosafranin series, Manufacture of acid. P. Laenger. 1,683,559; Sept. 4.

Dyestuffs of the pyridazine-anthraquinone series, Vat. A. Job. 1,690,786; Nov. 6.

Dyestuffs of the triphenyl methane series, New. O. Wahl. 1,663,869; Mar. 27.

Dyestuffs of the 2,2-indole-thionaphthene-indigo series, Vat. C. Krauss. 1,691,660; Nov. 13.

Dyestuffs, Producing azo. K. Heusner and M. Simon. 1,690,783; Nov. 6.

Dyestuffs, Production of direct azo. P. Caccia. 1,673,811; June 12.

Dyestuffs, Production of metallic compounds of. H. Kralikalla and W. Müller. 1,693,448; Nov. 27.

Dyestuffs, Sulphur. E. Kramer. 1,675,498; July 3.

Dyestuffs, Sulphur. L. M. Shafer. 1,675,430; July 3.

- Dye, Textile. W. S. Lawrence. 1,684,401; Sept. 18.
 Dyed fabric article and dyeing same. R. R. Ross. 1,655,973; Jan. 10.
 Dyeing. P. Mijer. 1,683,687; Sept. 11.
 Dyeing apparatus for hat bodies. V. Böhm. 1,660,115; Feb. 21.
 Dyeing artificial silk. J. Baddiley, P. Chorley, and C. Butler. 1,667,524; Apr. 24.
 Dyeing artificial silk. C. S. Bedford. 1,657,656; Jan. 31.
 Dyeing cellulose-acetate products in black shades. A. J. Hall. 1,657,255; Jan. 24.
 Dyeing cellulose-acetate silk. G. Reddelien, and G. Matzdorf. 1,673,301; June 12.
 Dyeing cellulose esters and ethers. R. S. Horsfall, L. G. Lawrie, and J. Hill. 1,662,514; Mar. 13.
 Dyeing designs on fur pelts, Stencil. G. J. Laemmle. 1,663,850; Mar. 27.
 Dyeing fibers. A. Winogradoff. 1,677,508; July 17.
 Dyeing fibrous materials. J. Nüsslein. 1,684,881; Sept. 18.
 Dyeing fur. A. Winogradoff. 1,660,826; Feb. 28.
 Dyeing fur pelts. G. J. Laemmle. 1,663,849; Mar. 27.
 Dyeing machine. J. H. and D. M. Giles. 1,670,067; May 15.
 Dyeing machine. J. H. Thompson. 1,661,059; Feb. 28.
 Dyeing machine. J. M. Wood. 1,659,967; Feb. 21.
 Dyeing mixed textile goods. H. Wagner, H. Eichwede, and E. Fischer. 1,678,611; July 24.
 Dyeing on vegetable fibers, Reserve. H. Leemann. 1,679,477-81; Aug. 7.
 Dyeing. Phosphate reducer for bottom chrome. N. Neville. 1,675,459; July 3.
 Dyeing preparations for cellulose esters. R. Metzger. 1,666,715; Apr. 17.
 Dyeing process. A. Escaich and J. P. Worms. 1,661,606; Mar. 6.
 Dyeing with vat and azo dyestuffs. W. Winterhalder. 1,678,580; July 24.
 Dyeing yarn, Apparatus for. L. Bounous. 1,681,088; Aug. 14.
 Dyeings on cellulose esters or cellulose ethers, Producing yellow. E. Fischer and C. E. Müller. 1,674,168; June 19.
 Dyeings on the fiber, Producing fast. T. Kircheisen and J. Gürtler. 1,680,791; Aug. 14.
 Dyes and making same, Modified basic. J. G. Kern. 1,659,145; Feb. 14.
 Dyes containing acid groups, Disubstituted guanidine salts of. R. E. Rose. 1,674,128; June 19.
 Dyes derived from dehydro-thio-p-toluidine-sulphonic acid and resorcinol and making same, Trisazo. B. Mayer and J. Grimmer. 1,667,327; Apr. 24.
 Dyes for cotton and making the same, Trisazo. H. Jordan. 1,663,454; Mar. 20.
 Dyes for cotton printing, Red disazo. W. Neelmeier and H. Schneider. 1,663,950; Mar. 27.
 Dyes, Monoazo. K. H. Saunders and H. Goodwin. 1,657,724; Jan. 31.
 Dyes, Ortho-hydroxyazo. O. Kaltwasser, H. Oehrn, and H. Kirchhoff. 1,676,697; July 10.
 Dyes, Preparation of washable aniline. P. Hartman. 1,662,420; Mar. 13.
 Dynamic and efficiency meter. E. Peters. 1,694,718; Dec. 11.
 Dynamite composition. N. C. Johnson and S. G. Baker, jr. 1,687,023; Oct. 9.
 Dynamite explosive, Gelatin-. R. B. Smith and E. M. Symmes. 1,667,083; Apr. 24.
 Dynamite, Gelatin. C. D. Pratt. 1,658,816; Feb. 14.
 Dynamite, Nitroglycerin. T. O'Hern. 1,690,872; Nov. 6.
 Dynamo-electric machines, Stator construction for. A. P. Wood. 1,669,113; May 8.
 Dynamo frame. W. A. Chryst. 1,664,540; Apr. 3.
 Dynamo plant, Prime-mover. R. H. Earle. 1,685,740; Sept. 18.
 Dynamometer. O. E. Buckley. 1,666,680; Apr. 17.
 Dynamometer. P. B. Camp. 1,696,148; Dec. 18.
 Dynamometer for use in measuring the tension in a rope, cable, or the like. W. S. Smith and A. D. Shuter. 1,692,057; Nov. 20.
 Dynamometer, Hydraulic. G. H. Walker. 1,685,735; Sept. 25.
 Dynamotor, Regulating. H. L. Tanner. 1,690,142; Nov. 6.
 Ear guard. C. M. Smyth. 1,683,928; Sept. 11.
 Ear-phone holder. W. W. Fisher. 1,664,106; Mar. 27.
 Earpiece for audiphones, Universal adjustable. S. T. Curran and E. C. Mueller, jr. 1,668,890; May 8.
 Earring with clamping bow. H. Fetzner. 1,684,348; Sept. 11.
 Earth sampler. A. J. Mason, jr. 1,674,117; June 19.
 Earth-working apparatus. W. A. Perry and G. D. Toy. 1,693,991; Dec. 4.
 Easel. A. W. Engel. 1,682,837; Sept. 4.
 Easel. W. A. Hartman. 1,659,871; Feb. 21.
 Easel. M. E. Mathias. 1,680,056; Aug. 7.
 Easel. M. E. A. Merritt. 1,664,784; Apr. 3.
 Easel, Folding. F. M. Thorpe. 1,659,791; Feb. 21.
 Easel or the like, Picture. J. Koster. Des. 75,127; May 8.
 Easel stand. F. S. Saxton. Des. 77,127; Dec. 4.
 Easer joint. R. S. Bohannon. 1,665,906; Apr. 10.
 Eaves-trough hanger. H. R. Poulsen. 1,695,059; Dec. 11.
 Eaves troughs, End cap for. C. A. Meunier. Des. 74,234; Jan. 10.
 Eccenter. W. F. Houston. 1,679,425; Aug. 7.
 Echo and singing suppressor system. W. H. T. Holden. 1,675,412; July 3.
 Echo suppressor. H. Nyquist and K. W. Pfeiffer. 1,693,659; Dec. 4.
 Echo suppressor, Selective. L. G. Abraham. 1,690,153; Nov. 6.
 Economizer. A. Ufer. 1,666,076; Apr. 17.
 Economizer boiler. J. E. Bell. 1,685,898; Oct. 2.
 Eddy or whirling mill. E. Kramer and E. Podszus. 1,671,678; May 29.
 Edge-covered board. J. Schumacher. 1,672,099; June 5.
 Edge finishing. F. C. Simmons. 1,692,871; Nov. 27.
 Edge-protected board. J. Schumacher. 1,678,959; July 31.
 Edge trimmer. W. E. Brock. 1,656,554; Jan. 17.
 Edge-trimming machine. W. B. Fagan. 1,659,251; Feb. 14.
 Edging, Embroidered. H. Schwarber. Des. 74,631; Mar. 6.
 Edging implement, Lawn-. F. N. Catudal. 1,693,808; Dec. 4.
 Edging machine. A. E. Maynard. 1,679,224; July 31.
 Edible container. D. Gerber. Des. 76,675; Oct. 23.
 Edible product and producing same. H. L. Heft, M. B. Van Arsdale, and D. E. Shank. 1,676,899; July 10.
 Edibles and the incased edible, Incasing. W. D. Thompson. 1,684,421; Sept. 18.
 Educational apparatus. P. E. Klopsteg. 1,662,272; Mar. 13.
 Educational appliance. B. Burton. 1,689,422; Oct. 30.
 Educational appliance. H. J. Muller. 1,679,536; Aug. 7.
 Educational appliance. N. Y. Trold. 1,694,405; Dec. 11.
 Educational appliance. G. F. Yessler. 1,664,842; Apr. 3.
 Educational device. E. Dwight. 1,664,390; Mar. 27.
 Educational device. C. S. Jones. 1,674,553; June 19.
 Educational device. F. J. Sewall. 1,683,733; Sept. 11.
 Educational device. J. W. Studebaker. 1,673,166; June 12.
 Educational folder. E. B. Gowin. 1,670,254; May 15.
 Educational material. E. B. Waring. 1,656,030; Jan. 10.
 Educational or advertising appliance. M. Anderson. 1,673,659; June 12.
 Egg beater. S. S. Graves. 1,665,879; Apr. 10.
 Egg boiler, Automatic. K. Thielicke. 1,692,144; Nov. 20.
 Egg boiler. H. H. Weber. 1,695,832; Dec. 18.
 Egg candle. W. L. Holzmann. 1,663,704; Mar. 27.
 Egg-candling device. R. J. Bellman. 1,675,632; July 3.
 Egg-candling device. S. G. Benzing. 1,681,387; Aug. 21.
 Egg carrier. M. Koppelman and W. H. Mapes. 1,690,492; Nov. 6.
 Egg-case filler and method of making filler. A. B. Segur. 1,675,278; June 26.
 Egg-case-filler machine. H. and A. B. Segur. 1,675,279; June 26.
 Egg-case filling and inverting apparatus. D. Parker. 1,677,290; July 17.
 Egg-case flat. F. W. Cole. 1,696,430; Dec. 25.
 Egg-case flat. G. A. Filer. 1,696,434; Dec. 25.
 Egg case, Folding. G. L. Beougher. 1,661,161; Mar. 6.
 Egg-cleaning machine. M. Kasser. 1,657,126; Jan. 24.
 Egg factory. O. W. Mapes. 1,663,479; Mar. 20.
 Egg flat. N. B. Funk. 1,674,430; June 19.
 Egg holder. E. E. Pinkerton. 1,665,420; Apr. 10.
 Egg-preserving compound. H. Stanley. 1,683,631; Sept. 11.
 Egg product and producing the same. A. K. Epstein. 1,687,268-70; Oct. 9.
 Egg stand. W. Benner. Des. 76,177; Aug. 28.
 Ejecting holder. G. S. Keck. 1,667,118; Apr. 24.
 Ejector. J. M. Lucarelle. 1,687,375; Oct. 9.
 Ejector. A. A. Woodruff. 1,692,916; Nov. 27.
 Ejector control. G. L. Kothny. 1,666,141; Apr. 17.
 Ejector for boilers, Soot and sifting. C. L. Davidson. 1,665,625; Apr. 10.
 Ejector for bottle-labeling machines, Automatic. J. Eder. 1,695,325; Dec. 18.
 Ejector for coin-handling machines. A. Monson. 1,692,561; Nov. 20.
 Ejector for gas systems, Air and foul-gas. D. C. Springer. 1,687,597; Oct. 16.
 Elastic connection. R. G. Standerwick. 1,665,897; Apr. 10.
 Elastic drive. C. A. Parsons and S. S. Cook. 1,693,765; Dec. 4.
 Elastic fabric. R. C. Fagan. 1,669,868; May 15.
 Elastic fabric. H. W. Wilson. 1,672,186; June 5.
 Elastic fabric. F. J. Zimmerer, jr. Des. 77,212; Dec. 11.
 Elastic fabric, Woven. L. B. Chisholm. 1,666,325; Apr. 17.
 Elastic garter webbing. F. J. Zimmerer, jr. Des. 74,640; Mar. 6.
 Elastic material. W. H. Frost. 1,659,195; Feb. 14.
 Elastic webbing. G. E. Clauss. 1,673,551; June 12.
 Elastic webbing. J. Hirsch. 1,662,609; Mar. 13.
 Elastic webbing. J. Hirsch. 1,663,303; Mar. 20.
 Elastic wheel. S. C. Hatfield. 1,657,535; Jan. 31.
 Elastic wheel. H. Mamessier. 1,660,845; Feb. 28.
 Elastic wheel. C. A. Van Bourgoin. 1,696,741; Dec. 25.
 Elbow, Capped. L. H. Church. 1,681,097; Aug. 14.
 Electric alarms, Circuit closer for. F. Davis. 1,657,459; Jan. 31.
 Electric apparatus. A. G. Damm. 1,663,624; Mar. 27.
 Electric apparatus. K. H. May. 1,674,477; June 19.

- Electric apparatus, Installation of. E. G. Schlberg. 1,694,288; Dec. 4.
- Electric appliance. M. J. Malling. 1,696,495; Dec. 25.
- Electric appliance having pin contacts and manufacturing the same. W. J. Gagnon. 1,656,856; Jan. 17.
- Electric-appliance-receiving box, Convertible. J. Sachs. Re17,138; Nov. 20.
- Electric-arc cutting and welding apparatus, Transformer for. F. C. Owen. 1,668,377; May 1.
- Electric-arc device. M. Crémer. 1,664,195; Mar. 27.
- Electric battery. H. M. R. Dam. 1,673,400-1; June 12.
- Electric bell. A. C. and E. G. Gaynor. 1,674,245; June 19.
- Electric bulb. H. D. Kadel. Des. 74,749; Mar. 20.
- Electric bulb. H. D. Kadel. Des. 75,429-30; June 5.
- Electric bulb. F. K. Kayte. 1,656,793; Jan. 17.
- Electric bulbs and bulb blanks for use therein, Manufacturing. C. C. Bohner. 1,694,368; Dec. 11.
- Electric burner. C. M. Osterheld. 1,692,221; Nov. 20.
- Electric candle light. C. Wachtel. Des. 75,666; June 26.
- Electric-circuit coupling. H. R. Sargent and F. C. De Reamer. 1,696,583; Dec. 25.
- Electric circuits, Control of. H. A. McCrea. 1,669,097; May 8.
- Electric circuits, Device for automatically disconnecting. O. Dreyer. 1,658,158; Feb. 7.
- Electric circuits, Protective system for. P. W. Forsberg. 1,658,329; Feb. 7.
- Electric circuits, Regulation of. C. T. Evans. 1,668,711; May 8.
- Electric coil and inductance. W. A. Bruno. 1,655,178; Jan. 3.
- Electric condenser. P. B. Vallé. 1,658,501; Feb. 7.
- Electric conductor. J. R. Coe. 1,667,510; Apr. 24.
- Electric conductor and making same. J. V. Capicotto. 1,683,064; Sept. 4.
- Electric conductor, Flexible. H. C. Carpenter. 1,688,303; Oct. 16.
- Electric conductor, Loaded. W. S. Smith, H. J. Garnett, and J. A. Holden. 1,691,309; Nov. 13.
- Electric-conductor support. E. H. Jacobs. 1,663,007; Mar. 20.
- Electric connector. A. C. and E. G. Gaynor. 1,674,246; June 19.
- Electric connection. C. L. M. Ravut. 1,663,730; Mar. 27.
- Electric contact. W. E. Campbell. 1,669,653; May 15.
- Electric control apparatus. W. S. Ferdon. 1,689,121; Oct. 23.
- Electric control apparatus. A. Haller. 1,684,315; Sept. 11.
- Electric control apparatus, Portable. J. E. Long. 1,668,161; May 1.
- Electric control device. G. F. Schwartz. 1,676,671; July 10.
- Electric control device, Automatic. J. F. Wiggert. 1,659,582; Feb. 21.
- Electric control device, Safety. I. E. McCabe. 1,675,897; July 3.
- Electric control system. A. C. Finney. 1,657,251; Jan. 24.
- Electric control system. C. Schiebeler. 1,669,148; May 8.
- Electric controller. N. D. Levin. 1,677,243; July 17.
- Electric-controller construction. J. F. Schnabel. 1,682,541; Aug. 28.
- Electric converter. A. S. Hubbard. 1,662,889; Mar. 20.
- Electric converters at a constant speed, Regulating system for maintaining. K. Schmidt. 1,680,806; Aug. 14.
- Electric converting apparatus. J. E. Calverley. 1,656,972; Jan. 24.
- Electric converting apparatus. J. E. Calverley and W. E. Highfield. 1,667,242; Apr. 24.
- Electric-cord support. J. A. Palmer and J. J. Winters. 1,673,704; June 12.
- Electric cord swivel connector. C. Schuldt. 1,666,247; Apr. 17.
- Electric coupler, Safety. L. A. Brown. 1,658,832; Feb. 14.
- Electric coupling. F. M. Rosenzweig. 1,686,534; Oct. 9.
- Electric-crystal apparatus, Piezo-. A. Crossley and C. F. Rudolph. 1,663,682; Mar. 27.
- Electric current, Eliminating fluctuations in. C. Spaeth. 1,693,258; Nov. 27.
- Electric-current impulses, Transforming light impulses into. T. H. Nakken. Re16,870; Feb. 7.
- Electric-current transmission. W. S. Gorton. 1,665,698; Apr. 10.
- Electric cut out. J. R. Brown. 1,665,841; Apr. 10.
- Electric device, Piezo-. A. L. R. Ellis. 1,688,694; Oct. 23.
- Electric device, Piezo-. A. M. Nicholson. 1,655,625; Jan. 10.
- Electric device, Piezo-. E. W. Russell and A. F. R. Cotton. 1,655,974; Jan. 10.
- Electric differential drive for drilling machinery. E. E. Greve. 1,660,439; Feb. 28.
- Electric discharge apparatus. M. E. Fultz. 1,668,676; May 8.
- Electric discharge device. J. Allen. 1,663,873; Mar. 27.
- Electric discharge device. H. D. Brown. 1,683,156; Sept. 4.
- Electric discharge device. C. V. Ferguson. 1,675,261; June 26.
- Electric discharge device. D. M. Moore. 1,677,000; July 10.
- Electric distribution, System of. H. Bany. 1,666,435; Apr. 17.
- Electric distribution, System of. H. T. Seeley. 1,666,471; Apr. 17.
- Electric distribution, System of. B. S. Weinfield. 1,666,433; Apr. 17.
- Electric distribution systems, Regulation of. H. de B. Knight. 1,654,937; Jan. 3.
- Electric distribution systems, Regulation of. H. de B. Knight. 1,654,979; Jan. 3.
- Electric drill. E. L. Connell. Des. 76,379; Sept. 25.
- Electric drive, Combination. C. Froesch. 1,692,371; Nov. 20.
- Electric driving system. J. Drukker. 1,661,170; Mar. 6.
- Electric element. E. D. Brand. 1,680,010; Aug. 7.
- Electric engine, Rotary. E. M. Mollett. 1,691,853; Nov. 13.
- Electric-fan casing. S. A. Xippas. Des. 74,337; Jan. 24.
- Electric fitting and the like. A. B. Rypinski. 1,664,759; Apr. 3.
- Electric fixture. G. Arras. 1,686,362; Oct. 2.
- Electric fixture. W. G. Biek and G. D. Rice. 1,666,729; Apr. 17.
- Electric-fixture clamp. G. Arras. 1,677,164; July 17.
- Electric fixture, Detachable. W. Symmes. 1,665,802; Apr. 10.
- Electric-fixture mount. M. Heichen. 1,664,624; Apr. 3.
- Electric fixture support. W. Symmes. 1,666,223; Apr. 17.
- Electric-fixture support. W. Symmes. 1,680,576; Aug. 14.
- Electric fixture, Wall bracket. C. W. Logan. Des. 75,267-9; May 22.
- Electric fixture, Wall-bracket. F. Yokel. Des. 75,314; May 22.
- Electric flasher. J. W. Phelps. 1,694,142; Dec. 4.
- Electric flasher, Automatic. D. Ulrey and D. I. Mayne. 1,680,400; Aug. 14.
- Electric flasher device. W. Dublier. 1,692,292; Nov. 20.
- Electric flash light. R. M. Eaton. 1,689,382; Oct. 30.
- Electric furnace. A. J. Asch. 1,661,026; Feb. 28.
- Electric furnace. J. L. Bernard. 1,658,071-2; Feb. 7.
- Electric furnace. C. A. Cadwell. 1,657,785; Jan. 31.
- Electric furnace. O. A. Colby. 1,695,882; Dec. 18.
- Electric furnace. F. T. Cope. 1,690,273; Nov. 6.
- Electric furnace. C. B. Foley. 1,661,173; Mar. 6.
- Electric furnace. C. B. Foley. 1,685,914; Oct. 2.
- Electric furnace. C. B. Foley. 1,694,536; Dec. 11.
- Electric furnace. C. H. Gage. 1,671,026; May 22.
- Electric furnace. A. D. Keene. 1,686,009-10; Oct. 2.
- Electric furnace. R. B. 'ncoln. 1,687,676; Oct. 16.
- Electric furnace. G. M. Little. 1,680,422; Aug. 14.
- Electric furnace. J. L. McFarland. 1,661,842; Mar. 6.
- Electric furnace. P. L. J. Miquet. 1,655,324; Jan. 3.
- Electric furnace. A. N. Otis and C. L. Ipsen. 1,696,728; Dec. 25.
- Electric furnace. R. B. Prindle. 1,658,651; Feb. 7.
- Electric furnace. I. Rennerfelt. 1,664,132; Mar. 27.
- Electric furnace. G. Sagramoso. 1,690,735; Nov. 6.
- Electric furnace. E. C. Sasnett. 1,660,209; Feb. 21.
- Electric furnace. M. Unger. 1,675,237; June 26.
- Electric furnace. H. L. Watson. 1,672,667; June 5.
- Electric furnace. J. Weitz. 1,692,478-9; Nov. 20.
- Electric furnace. E. Wirz. 1,673,543; June 12.
- Electric furnace. J. C. Woodson. 1,691,365; Nov. 13.
- Electric furnace. J. C. Woodson. 1,695,874; Dec. 18.
- Electric furnace for producing silicon carbide. H. E. White. 1,684,611; Sept. 18.
- Electric furnace for treating ores, shales, etc. F. E. Hatch. 1,665,546; Apr. 10.
- Electric furnace, Induction. E. F. Northrup. 1,694,791; Dec. 11.
- Electric furnace, Shaft-type. T. F. Baily. 1,675,744; July 3.
- Electric fuse. R. M. Bird. 1,660,828; Feb. 28.
- Electric fuse, Refillable. F. C. La Mar. 1,656,121; Jan. 10.
- Electric generator. B. P. Remy. 1,690,248; Nov. 6.
- Electric generator. G. B. Rolfe. 1,689,934; Oct. 30.
- Electric grounding connection. W. H. Vibber. 1,604,998; Feb. 28.
- Electric heater. C. C. Abbott. 1,669,114; May 8.
- Electric heater. C. C. Abbott. 1,680,718; Aug. 14.
- Electric heater. E. E. Anderson. 1,671,394; May 29.
- Electric heater. E. C. Banner. Des. 74,709; Mar. 20.
- Electric heater. P. R. G. Biedermann. 1,693,133; Nov. 27.
- Electric heater. E. G. Burns and J. A. Davis. 1,669,588; May 15.
- Electric heater. J. H. Carmean. 1,654,860; Jan. 3.
- Electric heater. S. M. and J. H. Carmean. 1,661,282; Mar. 6.
- Electric heater. H. G. Cathcart. 1,684,472; Sept. 18.
- Electric heater. J. M. Frank. 1,659,400; Feb. 14.
- Electric heater. G. B. Gallup. 1,689,822; Oct. 30.
- Electric heater. A. C. Gilbert. 1,677,281; July 17.
- Electric heater. W. W. Hicks and A. J. Kercher. 1,667,257; Apr. 24.
- Electric heater. E. O. Hopp. 1,679,424; Aug. 7.
- Electric heater. W. C. Hunt. 1,661,222; Mar. 6.
- Electric heater. W. Hurst. 1,692,741; Nov. 20.
- Electric heater. W. S. Johnson and J. W. Sheffer. 1,665,367; Apr. 10.
- Electric heater. A. J. Kercher and W. W. Hicks. 1,664,177; Mar. 27.
- Electric heater. A. J. Kercher and W. W. Hicks. 1,671,591; May 29.

- Electric heater. A. J. Kercher and W. W. Hicks. 1,680,620; Aug. 14.
- Electric heater. J. H. Knapp. 1,684,450; Sept. 18.
- Electric heater. P. Kukec. 1,657,932; Jan. 31.
- Electric heater. H. G. Landis. 1,686,868; Oct. 9.
- Electric heater. N. Lawner. 1,663,558; Sept. 27.
- Electric heater. R. G. Ledig. 1,660,928; Feb. 28.
- Electric heater. F. H. McCormick. Des. 74,619; Mar. 6.
- Electric heater. F. H. McCormick. Des. 76,548; Oct. 9.
- Electric heater. F. H. McCormick. 1,672,725; June 5.
- Electric heater. S. Morse. 1,663,810; Mar. 27.
- Electric heater. C. Pandolfo. 1,666,831; Apr. 17.
- Electric heater. F. D. Pitt. 1,671,378; May 29.
- Electric heater. D. U. Powell. 1,690,994; Nov. 6.
- Electric heater. M. K. Purdy and W. H. Reagle. 1,665,861; Apr. 10.
- Electric heater. G. W. Shepherd. 1,660,052; Feb. 21.
- Electric heater. J. L. Shroyer. 1,658,692; Feb. 7.
- Electric heater. J. L. Shroyer. 1,680,749; Aug. 14.
- Electric heater. A. H. Simmons. 1,673,712; June 12.
- Electric heater. A. H. Simmons. 1,683,211; Sept. 4.
- Electric heater. E. Stallworth. 1,687,521; Oct. 16.
- Electric heater. A. Steffen. 1,657,808; Jan. 31.
- Electric heater. H. E. Strunk. 1,655,479; Jan. 10.
- Electric heater. F. W. Thompson. 1,695,302; Dec. 18.
- Electric heater. R. L. Uhl. 1,655,480; Jan. 10.
- Electric heater. W. N. Vanatta. 1,661,862; Mar. 6.
- Electric heater. A. E. M. Van der Meersch. 1,665,941; Apr. 10.
- Electric heater. J. A. Williams and E. Leguornik. 1,691,749; Nov. 13.
- Electric heater for waving hair. C. G. Nessler. Des. 74,235; Jan. 10.
- Electric heater, Heavy-duty. E. L. Wiegand. 1,678,838; July 31.
- Electric heater, Portable. G. D. Hauser. 1,693,950; Dec. 4.
- Electric heater, Portable. G. D. Hauser. 1,694,175; Dec. 4.
- Electric heater, toaster, and cooker. B. O. McManus. 1,673,296; June 12.
- Electric heater, Wall-type. A. Whittaker. 1,688,168; Oct. 16.
- Electric heating. B. D. Bushell, S. E. T. Ewing, and E. H. D. Brunner. 1,673,226; June 12.
- Electric heating device. F. MacFarland. 1,657,479; Jan. 31.
- Electric heating means. J. H. Reniers. 1,657,643; Jan. 31.
- Electric heating unit. F. F. Forshee. 1,657,465; Jan. 31.
- Electric heating unit. A. D. Keene. 1,658,990; Feb. 14.
- Electric-impulse generator. R. Kauch and C. L. Paulus. 1,686,158; Oct. 2.
- Electric iron. C. B. Backer. 1,680,406; Aug. 14.
- Electric iron. C. B. Backer. 1,682,467; Aug. 28.
- Electric iron. G. Browning. 1,665,768; Apr. 10.
- Electric iron. S. Dworkin. 1,691,434; Nov. 13.
- Electric iron. L. Reichold. 1,673,708; June 12.
- Electric-iron cord control. B. E. Matthews. 1,665,316; Apr. 10.
- Electric-iron reel. B. F. P. Vedder. 1,672,509; June 5.
- Electric irons and the like, Resistance element for. H. Blanksten. 1,660,784; Feb. 28.
- Electric jointer, Portable. A. A. Clarke. 1,679,562; Aug. 7.
- Electric light. C. J. Schroeder. 1,693,672; Dec. 4.
- Electric-light fixture. G. Ludwig. Des. 74,689; Mar. 13.
- Electric light, Portable. F. B. Leser. 1,674,650; June 26.
- Electric light, Portable. W. E. McCormick. Des. 76,759; Oct. 30.
- Electric light, Portable. L. J. Voorhees. 1,668,881; May 8.
- Electric-light switches, Attachment for. E. J. Klous. 1,670,453; May 22.
- Electric-lighting fixture or similar article, Scroll arm for. G. E. McFadden. Des. 75,634; June 26.
- Electric lines, Safety device for. C. Grosse. 1,662,970; Mar. 20.
- Electric liquid heater. T. H. McQuinn. 1,674,369; June 19.
- Electric lock. G. W. Watson. 1,695,518; Dec. 18.
- Electric machine. T. Schou and R. L. Behrens. 1,663,318; Mar. 20.
- Electric machine and winding therefor, Dynamo. G. M. Albrecht. 1,685,737-8; Sept. 25.
- Electric machine and winding therefor, Dynamo. W. H. Powell. 1,685,752; Sept. 25.
- Electric machine, Automatic control of dynamo. J. I. Hull. 1,687,564; Oct. 16.
- Electric machine, Brush for dynamo. M. R. Hanna. 1,658,677; Feb. 7.
- Electric machine, Closed. H. Richter. 1,657,900; Jan. 31.
- Electric machine, Continuous-current dynamo. A. Schmid and A. Stoll. 1,696,102; Dec. 18.
- Electric machine, Control of dynamo. H. W. C. Liddiard. 1,658,644; Feb. 7.
- Electric machine, Dynamo. T. L. R. Cooper. 1,678,380; July 24.
- Electric machine, Dynamo. E. H. Freiburghouse. 1,672,680; June 5.
- Electric machine, Dynamo. K. L. Hansen. 1,694,062; Dec. 4.
- Electric machine, Dynamo. C. T. Hibbard. 1,685,054; Sept. 18.
- Electric machine, Dynamo. F. Hillebrand. 1,659,106; Feb. 14.
- Electric machine, Dynamo. H. G. Jungk. 1,683,676; Sept. 11.
- Electric machine, Dynamo. G. H. Leland. 1,664,781; Apr. 3.
- Electric machine, Dynamo. N. Penzabene. 1,681,780; Aug. 21.
- Electric machine, Dynamo. R. Pohl. 1,689,187; Oct. 23.
- Electric machine, Dynamo. R. Pohl and H. G. Reist. 1,689,188; Oct. 23.
- Electric machine, Dynamo. H. M. Stoller. 1,687,233; Oct. 9.
- Electric machine, Dynamo. E. Testeil. 1,685,651; Sept. 25.
- Electric machine, Dynamo. R. G. Thompson. 1,674,876; June 26.
- Electric machine, Dynamo. R. Townend and J. A. Kuyser. 1,685,970; Oct. 2.
- Electric machine, Dynamo. F. P. Whitaker. 1,684,253; Sept. 11.
- Electric machine, Dynamo. J. B. Wiard. 1,679,457; Aug. 7.
- Electric machine, Magneto. G. Modigliani. 1,682,086; Aug. 28.
- Electric-machine stator, Dynamo. J. M. Barr. 1,681,914-16; Aug. 21.
- Electric machine, Totally-inclosed. L. Steiner and V. Gutmann. 1,678,883; July 31.
- Electric machines, Controlling. H. S. Holmes. 1,671,641; May 29.
- Electric machines, Magnetic shield for dynamo. R. Pohl. 1,677,004; July 10.
- Electric machines, Manufacturing dynamo. E. R. Knight. 1,661,135; Feb. 28.
- Electric machines, Power circuit for. V. E. Duemler and G. R. Koeln. 1,680,773; Aug. 14.
- Electric machines, Short-circuiting and brush-lifting device for dynamo. E. Schmuck. 1,661,014; Feb. 28.
- Electric machines, Suppressing high harmonics in commutating. A. Ytterberg. 1,681,632; Aug. 21.
- Electric machines, System for excitation of synchronous type. P. H. Thomas. 1,693,968; Dec. 4.
- Electric metal-stock heater. E. S. Jefferies. 1,682,968; Sept. 4.
- Electric meter. H. R. Bartlett and H. J. Blakeslee. 1,668,798; May 8.
- Electric meter. G. W. Grisdale and E. Schneider. 1,695,422; Dec. 18.
- Electric meter. A. J. Lush. 1,669,619; May 15.
- Electric metering system. V. Karapetoff. 1,657,262; Jan. 24.
- Electric motor. E. F. W. Alexanderson. 1,667,647; Apr. 24.
- Electric motor. M. Andis. 1,666,588; Apr. 17.
- Electric motor. E. Aufero. 1,688,847; Oct. 23.
- Electric motor. C. T. Bradshaw. 1,679,957; Aug. 7.
- Electric motor. S. F. Briggs. 1,694,247; Dec. 4.
- Electric motor. C. A. Guterres. 1,693,294; Nov. 27.
- Electric motor. F. F. Hillix. 1,686,324; Oct. 2.
- Electric motor. J. W. Hobbs. 1,692,408; Nov. 20.
- Electric motor. R. S. McLeod, G. E. Mason, and W. Stansfield. 1,678,912; July 31.
- Electric motor. H. E. Nietsche. 1,655,286; Jan. 3.
- Electric motor. A. E. Oswald. 1,693,617; Dec. 4.
- Electric motor. C. C. Spreen. 1,688,891; Oct. 23.
- Electric motor. C. H. Thordarson. 1,677,936; July 24.
- Electric motor. J. D. Willis. 1,674,383; June 19.
- Electric motor, Asynchronous polyphase. F. Earnstein. 1,668,554; May 8.
- Electric motor, Impulse. J. T. Sibley. 1,681,649; Aug. 21.
- Electric motor, Reciprocating. C. S. Weyandt. 1,678,278; July 24.
- Electric oscillations of high frequency, Generating. C. S. Franklin. 1,658,162; Feb. 7.
- Electric pad. T. H. McCormey. 1,660,518; Feb. 28.
- Electric plug. W. Ile. 1,684,183; Sept. 11.
- Electric plug. W. W. Shoe. 1,673,644; June 12.
- Electric plug connector. W. H. Trimm. 1,690,759; Nov. 6.
- Electric-plug fitting, Detachable. H. Hertzberg. 1,695,847; Dec. 18.
- Electric plug, Multiple-socket. I. F. Giles and J. A. Roberts. 1,684,915; Sept. 18.
- Electric plug, Three-way. W. Ile. 1,676,439; July 10.
- Electric popcorn popper. H. A. Steere. Des. 76,765; Oct. 30.
- Electric power, Control of. E. F. W. Alexanderson and A. H. Mittag. 1,655,036; Jan. 3.
- Electric power, Control of. E. F. W. Alexanderson and A. H. Mittag. 1,655,040; Jan. 3.
- Electric power demand control system. J. F. Schrumm. 1,674,451; June 19.
- Electric power-generating system. J. Pope. 1,668,285; May 1.
- Electric power, Method and apparatus for converting. L. A. Hazeltine. 1,657,574; Jan. 31.
- Electric protective arrangement for alternating currents and relays therefor, Balanced. B. H. Leeson. 1,673,254; June 12.
- Electric protective device. M. R. Hanna. 1,657,258; Jan. 24.
- Electric radiator. A. M. Nickerson. 1,667,816; May 1.

- Electric rain switch. F. Dzierzenga. 1,655,834; Jan. 10.
 Electric regulation. J. L. Creveling. 1,671,145; May 29.
 Electric regulation. J. L. Creveling. 1,681,924; Aug. 28.
 Electric regulator. F. A. Byles. 1,694,249; Dec. 4.
 Electric regulator. E. R. Morton. 1,662,252; Mar. 13.
 Electric regulator. H. M. Stoller. 1,695,035; Dec. 11.
 Electric regulator. H. M. Stoller and E. R. Morton. 1,662,083-4 Mar. 13.
 Electric regulator. L. W. Thompson. 1,673,718; June 12.
 Electric regulator, Intermittently operating. A. Ytterberg and A. Garde. 1,657,056; Jan. 24.
 Electric regulators, Limiting device for. A. Ytterberg. 1,663,674; Mar. 27.
 Electric relay. E. E. Forstrom. 1,696,082; Dec. 18.
 Electric resistance. G. Egly. 1,671,469; May 29.
 Electric resistance furnace. A. J. Hanson. 1,690,678; Nov. 6.
 Electric roaster. W. J. Noonan. 1,677,651; July 17.
 Electric roaster, Portable. C. J. McHugh and D. S. Rivers. 1,674,692; June 26.
 Electric rolling-mill drive with Leonard control. E. Riecke. 1,667,678; Apr. 24.
 Electric selecting apparatus. C. L. and H. L. Krum. 1,676,447; July 10.
 Electric service appliances, Inclosing system for. J. Sachs. 1,660,093; Feb. 21.
 Electric service installation. J. Sachs. 1,696,130; Dec. 18.
 Electric service system, Automatic. M. C. Cosgray. 1,662,366; Mar. 13.
 Electric shielding. A. Haddock. 1,661,535; Mar. 6.
 Electric ship propulsion, System of. C. Macmillan. 1,684,236; Sept. 11.
 Electric sign. W. K. Wiley. 1,657,705; Jan. 31.
 Electric snap switch, Thermally-controlled. O. Dodge. 1,659,862; Feb. 21.
 Electric socket. B. D. Wells. 1,658,583; Feb. 7.
 Electric socket clamp. G. A. and F. E. Johnson. 1,690,683; Nov. 6.
 Electric storage apparatus. P. Kapitza. 1,656,203; Jan. 17.
 Electric striking mechanism. S. Rollin. 1,666,351; Apr. 17.
 Electric switch. C. D. Ainsworth. 1,690,996; Nov. 6.
 Electric switch. C. E. Anderson. 1,657,336-8; Jan. 24.
 Electric switch. C. E. Anderson. 1,669,274; May 8.
 Electric switch. C. E. Anderson. 1,670,922; May 22.
 Electric switch. E. R. Barany. 1,671,623; May 29.
 Electric switch. E. R. Barany. 1,673,436; June 12.
 Electric switch. C. W. Bassett. 1,671,269; May 29.
 Electric switch. K. Bauerschmidt. 1,685,664; Sept. 25.
 Electric switch. T. A. Both. 1,684,982; Sept. 18.
 Electric switch. G. R. Brown. 1,671,965; June 5.
 Electric switch. G. A. Burnham. 1,672,365; June 5.
 Electric switch. G. A. Burnham. 1,689,421; Oct. 30.
 Electric switch. J. R. Carlson. 1,669,283; May 8.
 Electric switch. J. R. Carlson. 1,690,052; Oct. 30.
 Electric switch. W. A. Chryst. 1,693,998; Dec. 4.
 Electric switch. E. L. Clark. 1,690,103; Nov. 6.
 Electric switch. N. G. Copley. 1,663,680; Mar. 27.
 Electric switch. G. L. Cragg. 1,657,001; Jan. 24.
 Electric switch. F. F. Dorsey. 1,685,563; Sept. 25.
 Electric switch. H. A. Douglas. 1,657,007; Jan. 24.
 Electric switch. H. A. Douglas. 1,679,334; July 31.
 Electric switch. W. N. Dunn. 1,684,016; Sept. 11.
 Electric switch. H. D. Duntun. 1,677,713; July 17.
 Electric switch. J. J. Egan. 1,667,247; Apr. 24.
 Electric switch. F. Favarger. 1,656,188; Jan. 17.
 Electric switch. A. S. Fitzgerald. 1,680,674; Aug. 14.
 Electric switch. T. C. Forbes. 1,676,257; July 10.
 Electric switch. A. C. Gaynor. 1,690,780; Nov. 6.
 Electric switch. B. E. Getchell. 1,656,703; Jan. 17.
 Electric switch. B. E. Getchell. 1,687,199; Oct. 9.
 Electric switch. B. E. Getchell. 1,695,958; Dec. 18.
 Electric switch. C. W. Gorman. 1,686,852; Oct. 9.
 Electric switch. J. J. Gough. 1,694,216; Dec. 4.
 Electric switch. F. Gropp and M. Butterlin. 1,655,694; Jan. 10.
 Electric switch. C. I. Hall. 1,683,132; Sept. 4.
 Electric switch. L. Hamer. 1,687,611; Oct. 16.
 Electric switch. O. Hammerstrom. 1,671,860; May 29.
 Electric switch. O. Hammerstrom and H. O. Engstrom. 1,669,240; May 8.
 Electric switch. G. W. Hart. 1,678,508; July 24.
 Electric switch. H. G. Hartmann. 1,669,125; May 8.
 Electric switch. W. Hemingway, Jr. 1,656,586; Jan. 17.
 Electric switch. J. D. Hilliard. Re16,912; Mar. 20.
 Electric switch. J. D. Hilliard. 1,673,676; June 12.
 Electric switch. J. D. Hilliard. 1,687,560; Oct. 16.
 Electric switch. J. D. Hilliard. 1,694,261; Dec. 4.
 Electric switch. J. D. Hilliard. 1,694,320; Dec. 4.
 Electric switch. J. D. Hilliard. 1,696,571-3; Dec. 25.
 Electric switch. H. J. H. Huber. 1,655,464; Jan. 10.
 Electric switch. C. E. Ives. 1,667,158; Apr. 24.
 Electric switch. C. H. Jockums. 1,654,813; Jan. 3.
 Electric switch. D. F. Jones. 1,684,280; Sept. 11.
 Electric switch. W. J. Larson. 1,671,196; May 29.
 Electric switch. T. L. Lee. 1,674,868; June 26.
 Electric switch. G. N. Lemmon. 1,694,223; Dec. 4.
 Electric switch. S. Lippert. 1,693,608; Dec. 4.
 Electric switch. J. Lofgren. Re17,009; June 26.
 Electric switch. J. Lofgren. 1,675,185; June 26.
 Electric switch. R. O. W. Lundin. 1,686,494; Oct. 2.
 Electric switch. J. R. Marshall. 1,667,293; Apr. 24.
 Electric switch. F. McElroy. 1,689,495; Oct. 30.
 Electric switch. G. J. Meuer. 1,666,338; Apr. 17.
 Electric switch. G. J. Meuer. 1,685,500; Sept. 25.
 Electric switch. G. J. Meuer. 1,689,926; Oct. 30.
 Electric switch. J. M. Miller. 1,691,984; Nov. 20.
 Electric switch. J. L. Milton. 1,694,479; Dec. 11.
 Electric switch. A. J. Mottlau. 1,669,531; May 15.
 Electric switch. J. H. Nelson. 1,657,840; Jan. 31.
 Electric switch. A. H. Nero. 1,671,837; May 29.
 Electric switch. A. H. Nero. 1,672,727; June 5.
 Electric switch. A. H. Nero. 1,679,442; Aug. 7.
 Electric switch. A. H. Nero. 1,685,858; Oct. 2.
 Electric switch. A. H. Nero. 1,690,028; Oct. 30.
 Electric switch. H. E. Norviel. 1,678,951; July 31.
 Electric switch. W. E. Paul. 1,688,747; Oct. 23.
 Electric switch. J. Pollak. 1,680,568; Aug. 14.
 Electric switch. W. K. Rankin. 1,694,282; Dec. 4.
 Electric switch. G. B. Reisbach. 1,691,252; Nov. 13.
 Electric switch. D. A. Sanford. 1,666,470; Apr. 17.
 Electric switch. J. Schlegenhauer. 1,681,558; Aug. 21.
 Electric switch. W. Schmid. 1,657,040; Jan. 24.
 Electric switch. S. E. Skinner. 1,658,010; Jan. 31.
 Electric switch. I. E. Smith. 1,654,613; Jan. 3.
 Electric switch. H. A. Spahr. 1,671,615; May 29.
 Electric switch. G. B. Thomas. 1,658,151-2; Jan. 10.
 Electric switch. J. F. Tittle. 1,669,106; May 8.
 Electric switch. J. B. Tucker. 1,673,893; June 19.
 Electric switch. W. R. Walker. 1,676,752; July 10.
 Electric switch. L. S. Walle. 1,670,088; May 15.
 Electric switch. R. K. Winning. 1,695,940; Dec. 18.
 Electric switch. N. S. Wright. 1,677,509; July 17.
 Electric switch. W. Wurdack. 1,673,385; June 12.
 Electric switch. W. G. Young. 1,661,352; Mar. 6.
 Electric switch-actuating mechanism, Float-operated. C. W. Lindemann. 1,666,498; Apr. 17.
 Electric switch and assembling the same, Inclosed. J. Sachs. 1,675,467-8; July 3.
 Electric switch and system. A. R. Locke. 1,661,434; Mar. 6.
 Electric switch attachment. C. G. Fisher. 1,675,847; July 3.
 Electric switch, Automatic. B. E. Getchell. 1,677,335; July 17.
 Electric switch, Automatic. R. Penn. 1,678,603; July 24.
 Electric switch, Coin-controlled. G. A. Burgess. 1,678,554; July 24.
 Electric switch device. D. M. Tulloch. 1,673,607; June 12.
 Electric switch, Fluid-pole. J. Whalen. 1,688,217; Oct. 16.
 Electric switch, Fluid-pressure-operated. C. C. Hansen. 1,688,866; Oct. 23.
 Electric switch, Inclosed. D. T. Wadsworth. 1,666,724; Apr. 17.
 Electric switch, Key locking. M. J. Lewis. 1,677,719; July 17.
 Electric switch, Lever-operated. M. Guett. 1,680,101; Aug. 7.
 Electric switch, Lock-controlled. E. L. Teich. 1,675,737; July 3.
 Electric switch, Lock-controlled. F. J. Watts. 1,666,320; Apr. 17.
 Electric switch, Multibreak. W. S. Edsall. 1,696,296; Dec. 25.
 Electric switch, Multibreak. A. C. Kelle. 1,696,276; Dec. 25.
 Electric switch, Multiple multibranch. A. R. Wolfe. 1,692,068; Nov. 20.
 Electric switch, Oil-immersed. W. Anderson. 1,670,227; May 15.
 Electric switch, Quick-make-and-break. M. Katcher. 1,685,234; Sept. 25.
 Electric switch, Thermostatic. J. W. Anderson. 1,674,151; June 19.
 Electric switch, Thermostatic. H. J. Sauvage. 1,675,138; June 26.
 Electric switch, Thermostatic. W. J. Winninghoff. 1,695,261; Dec. 11.
 Electric switch, Thermostatically-operated. R. W. McBrien. 1,689,210; Oct. 30.
 Electric switch, Time-actuated. C. L. Hershey. 1,681,116; Aug. 14.
 Electric switch, Time-controlled. D. L. Chandler. 1,693,635; Dec. 4.
 Electric switches, Clutch mechanism for motor-operated. D. Rönngren. 1,658,904; Feb. 14.
 Electric switches, Contact structure for. C. D. Ainsworth. 1,694,612; Dec. 11.
 Electric system. J. L. Creveling. 1,678,808; July 31.
 Electric system. N. H. Holland. Re16,901; Mar. 13.
 Electric system. D. C. Prince. 1,655,475; Jan. 10.
 Electric system. R. H. Sullivan. 1,681,265; Aug. 21.
 Electric systems, Protection of. M. D. Camby. 1,658,704; Feb. 7.
 Electric tester. A. L. Smith. 1,666,273; Apr. 17.
 Electric therapeutic appliance. J. H. Dequer. 1,690,926; Nov. 6.
 Electric therapeutic treatment, Device for. J. A. Lev. 1,655,554; Jan. 10.
 Electric track switch. R. R. Scoggan. 1,680,304; Aug. 14.
 Electric transformer. A. C. Taylor. 1,674,670; June 26.
 Electric tube device having coiled filaments. E. Y. Robinson. 1,674,520; June 19.
 Electric vacuum furnace. G. D. Bagley. 1,671,461; May 29.

- Electric vacuum furnace. M. D. Sarbey. 1,671,451; May 29.
- Electric wall bracket. G. Ludwig. Des. 74,687-8; Mar. 13.
- Electric wall-bracket plate or similar article. J. A. Boehringer. Des. 74,819; Apr. 3.
- Electric wall-bracket plate or similar article. Arm. J. A. Boehringer. Des. 74,820; Apr. 3.
- Electric-wave producer. S. S. Mackeown. 1,687,220; Oct. 9.
- Electric waves, Control of. J. L. Fearing. 1,673,002; June 12.
- Electric waves, Generation and control of. J. W. Horton. 1,690,299; Nov. 6.
- Electric waves or currents of constant frequency, Receiving system for. Y. Marrec and R. Fuids. 1,682,533; Aug. 28.
- Electric-wire support. C. Salesas. 1,693,670; Dec. 4.
- Electric wires, Flexible conduit for. F. D. Saylor. 1,668,699; May 8.
- Electric wires, Manufacture of. H. B. Burley. 1,674,156; June 19.
- Electric wiring systems, Testing device for. S. B. Berkowich. 1,656,768; Jan. 17.
- Electrical accessories, Terminal for. J. E. Gaffney. 1,668,111; May 1.
- Electrical amplifier. G. W. Pickard. 1,676,744; July 10.
- Electrical apparatus. M. Alden. 1,678,717; July 31.
- Electrical apparatus. E. F. W. Alexanderson. 1,694,244; Dec. 4.
- Electrical apparatus. R. V. Bingay. 1,685,223; Sept. 25.
- Electrical apparatus. P. N. Bossart. 1,667,768; May 1.
- Electrical apparatus. E. Dickey. 1,668,587; May 8.
- Electrical apparatus. W. R. Frampton. 1,696,348; Dec. 25.
- Electrical apparatus. C. A. Hoxie. 1,658,680; Feb. 7.
- Electrical apparatus. J. M. Laler. 1,663,711; Mar. 27.
- Electrical apparatus. R. H. Langley. 1,687,500; Oct. 16.
- Electrical apparatus. R. H. Langley. 1,687,868; Oct. 16.
- Electrical apparatus. L. L. Lockrow. 1,675,567; July 3.
- Electrical apparatus. W. S. Moody. 1,688,737; Oct. 23.
- Electrical apparatus. L. L. Nettleton. 1,691,206; Nov. 13.
- Electrical apparatus. L. A. M. Phelan. 1,676,922; July 10.
- Electrical apparatus. L. A. M. Phelan and C. Hotchkiss. 1,676,921; July 10.
- Electrical apparatus. L. A. M. Phelan and C. Hotchkiss. 1,676,923; July 10.
- Electrical apparatus. D. C. Prince. 1,694,281; Dec. 4.
- Electrical apparatus. D. C. Prince. 1,696,862; Dec. 25.
- Electrical apparatus. A. J. Sorensen. 1,672,005; June 5.
- Electrical apparatus. H. A. Thompson. 1,670,755; May 22.
- Electrical apparatus. E. D. Treanor. 1,670,697; May 22.
- Electrical apparatus. C. W. Wyman. 1,679,142; July 31.
- Electrical apparatus and switch. G. A. Burnham. 1,694,618; Dec. 11.
- Electrical-apparatus casings, Pressure-relief pipe for. L. H. Burnham. 1,667,621; Apr. 24.
- Electrical apparatus for testing motor-vehicle and other mechanical power transmission mechanism. F. W. Highfield. 1,662,705 Mar. 13.
- Electrical apparatus, Indicating device for. E. D. Treanor. 1,668,388; May 1.
- Electrical apparatus, Medical. C. Heintze. 1,669,468; May 15.
- Electrical apparatus, Method and apparatus for cooling. G. W. Saathoff. 1,657,550; Jan. 31.
- Electrical apparatus, Method of and apparatus for inter-connecting and testing. W. H. Ray. 1,696,012; Dec. 18.
- Electrical apparatus, Protective arrangement for high-tension. W. Hess. 1,673,231; June 12.
- Electrical apparatus, Safety device for. H. Michulitz. 1,674,444; June 19.
- Electrical appliance. C. C. Baad. 1,669,318; May 8.
- Electrical appliance. P. Van Wagner. 1,661,712; Mar. 6.
- Electrical appliances, Arrangement of. H. W. Houck. 1,684,703; Sept. 18.
- Electrical attachment device. W. F. Hendry. 1,671,640; May 29.
- Electrical attachment plug. L. Kellner. 1,657,799; Jan. 31.
- Electrical attachment plug. C. F. Smith. 1,659,447; Feb. 14.
- Electrical barriers, Alignment strip for. P. Nicholay. 1,664,827; Apr. 3.
- Electrical cables, Cone coupling for. E. Politi. 1,657,970; Jan. 31.
- Electrical centering device. A. B. Reynders. 1,687,637; Oct. 16.
- Electrical circuit. G. S. Jenkins. 1,673,116; June 12.
- Electrical circuit controller. L. V. Lewis. 1,674,783; June 26.
- Electrical circuits. L. W. Austin. 1,672,018; June 5.
- Electrical circuits. A. B. Clark. 1,672,057; June 5.
- Electrical circuits, Fuse holder for. M. B. Herbrick. 1,663,252; Mar. 20.
- Electrical circuits, Regulation of. A. H. Mittag. 1,654,988; Jan. 3.
- Electrical compound letter. B. D. Coffey. 1,688,266; Oct. 16.
- Electrical condenser. J. Katzman. 1,658,768; Feb. 7.
- Electrical condenser. J. A. Proctor. 1,660,936-7; Feb. 28.
- Electrical condenser. H. R. Van Deventer. 1,661,351; Mar. 6.
- Electrical condenser and making the same. W. H. Priess. 1,658,817; Feb. 14.
- Electrical conductivity and the flexibility of metals or alloys, Increasing the. K. Hallmann. 1,695,044; Dec. 11.
- Electrical conductor. J. Johnston. 1,681,541; Aug. 21.
- Electrical conductor. C. A. Parsons, J. Rosen, A. W. Grey, and B. Blair. 1,655,106; Jan. 3.
- Electrical-conductor clamp. J. S. Lawson. 1,680,053; Aug. 7.
- Electrical conductors, Junction fitting for metallic armored. J. H. Hunter. 1,664,686; Apr. 3.
- Electrical conductors, Manufacture of continuously-loaded. O. E. Buckley. 1,689,324; Oct. 30.
- Electrical conductors, System of. A. A. Oswald. 1,673,016; June 12.
- Electrical conduit fitting. J. J. Herlbauer. 1,670,259; May 15.
- Electrical connector. F. A. Anderson. 1,660,827; Feb. 28.
- Electrical connector. H. W. Batcheller. 1,655,405; Jan. 10.
- Electrical connector. F. J. Bullivant. 1,686,842; Oct. 9.
- Electrical connector. S. Cohen. 1,666,991; Apr. 24.
- Electrical connector. S. Cohen. 1,683,066; Sept. 4.
- Electrical connector. T. B. Entz. 1,659,463; Feb. 14.
- Electrical connector. L. A. Goelz. 1,689,824; Oct. 30.
- Electrical connector. C. G. Jansky. 1,684,588; Sept. 18.
- Electrical connector. W. E. Lindsley. 1,657,933; Jan. 31.
- Electrical connector. B. P. McKinley. 1,674,441; June 19.
- Electrical connector. C. A. Schild. 1,668,381; May 1.
- Electrical connector. A. B. Wiseman. 1,679,067; July 31.
- Electrical connector device. R. E. Benjamin. 1,663,749; Mar. 27.
- Electrical connector device. R. B. Benjamin. 1,669,549; May 15.
- Electrical connector, Double-pole. C. E. Foster. 1,656,912; Jan. 24.
- Electrical connectors, Liner for. M. M. Clayton. 1,677,332; July 17.
- Electrical connecting and supporting device. E. C. White. 1,655,929; Jan. 10.
- Electrical connecting device. E. M. Hunt. 1,672,682; June 5.
- Electrical connection. N. J. Celenza. 1,679,960; Aug. 7.
- Electrical connection. K. Hunciker. 1,686,276; Oct. 2.
- Electrical connection. J. R. Kearney. 1,677,783; July 17.
- Electrical connection. T. H. McComsey. 1,692,678; Nov. 20.
- Electrical connection and forming the same. A. G. Piñamer. 1,696,124; Dec. 18.
- Electrical connection and making the same. H. L. Young. 1,665,246; Apr. 10.
- Electrical connection, Separable. W. C. Tregoning. 1,677,256; July 17.
- Electrical connections, Panel cabinet for. J. W. Hooley. 1,659,267; Feb. 14.
- Electrical contact. T. S. Fuller. 1,658,713; Feb. 7.
- Electrical contact. J. T. Janette. 1,682,790; Sept. 4.
- Electrical contact. J. A. Weiger. 1,657,053; Jan. 24.
- Electrical contactor. P. M. Tebbs. 1,677,059; July 10.
- Electrical control apparatus, Relay for. H. E. Somes. 1,667,747; May 1.
- Electrical control device. E. J. Murphy. 1,693,313; Nov. 27.
- Electrical control device. W. H. Reichard. 1,664,088; Mar. 27.
- Electrical control system. H. B. Goldman. 1,691,241; Nov. 13.
- Electrical control system. E. R. Morton. 1,660,084; Feb. 21.
- Electrical control system. H. M. Stoller. 1,663,890; Mar. 27.
- Electrical control system operable automatically to level elevators with landings. E. L. Gale. 1,689,583; Oct. 30.
- Electrical control systems of the selective type, Transmitter for. R. C. Coupland. 1,661,109; Feb. 28.
- Electrical controller. F. H. Oberschmidt. 1,691,735; Nov. 13.
- Electrical controller. A. Simon. 1,682,938; Sept. 4.
- Electrical controller and recorder. C. H. Wilson and C. J. Brown. 1,690,517; Nov. 6.
- Electrical converter. P. G. Girault. 1,673,673; June 12.
- Electrical coupling. W. O. Kennington. 1,686,011; Oct. 2.
- Electrical coupling. A. Wichert. 1,687,074; Oct. 9.
- Electrical currents, Method of and apparatus for amplifying. J. E. Parker. 1,672,037; June 5.
- Electrical cut-out. E. W. Moon. 1,657,969; Jan. 31.
- Electrical device. J. Berg. 1,670,759; May 22.
- Electrical device. W. Hermann. 1,659,293; Feb. 14.
- Electrical device. H. R. Van Deventer. 1,684,461; Sept. 18.
- Electrical devices, Control system and apparatus for. C. C. Runner. 1,672,690; June 5.
- Electrical discharge tubes, Electrode arrangement for. M. Thielers. 1,668,387; May 1.
- Electrical display apparatus. P. H. Waller. 1,681,795; Aug. 21.

- Electrical distribution and switch therefor, System of. W. Hemingway, jr. 1,656,560; Jan. 17.
- Electrical distribution, Regulating means for systems of. P. H. Thomas. 1,667,752; May 1.
- Electrical distribution system. E. F. W. Alexanderson. 1,677,699-700; July 17.
- Electrical distribution system. A. E. Anderson. 1,683,147; Sept. 4.
- Electrical distribution system. A. E. Anderson. 1,683,227; Sept. 4.
- Electrical dough-imprinting machine. M. Collis. 1,665,196; Apr. 3.
- Electrical energy, Translator of. H. M. Williamson. 1,667,021; Apr. 24.
- Electrical fitting. H. A. Douglas. 1,659,648; Feb. 21.
- Electrical fitting. J. S. Jones and S. N. Mead, jr. 1,681,186; Aug. 21.
- Electrical fixture. W. B. Crowell. 1,660,548; Feb. 28.
- Electrical fixture-supporting device. R. B. Benjamin. 1,669,548; May 15.
- Electrical-fixture unit. S. N. Griffith. 1,672,312; June 5.
- Electrical fixture with convenience outlet. V. R. Despard. 1,689,232; Oct. 30.
- Electrical foot-drying machine. O. Lindstrom. 1,658,489; Feb. 7.
- Electrical fuse. A. Fernández. 1,657,207; Jan. 24.
- Electrical gas-igniting device. E. L. Payne. 1,657,638; Jan. 31.
- Electrical heater. J. M. Baker. 1,695,753; Dec. 18.
- Electrical heater. F. C. Curtis. 1,687,858; Oct. 16.
- Electrical heater. J. H. Hussey. 1,686,860; Oct. 9.
- Electrical heater. W. K. Tavender. 1,683,740; Sept. 11.
- Electrical heater. F. E. Wolcott. Des. 74,996; Apr. 24.
- Electrical indicating instrument. W. C. McCoy. 1,674,688; June 26.
- Electrical indicating instrument and control system therefor. H. L. Decker. 1,657,855; Jan. 31.
- Electrical indicating system. F. D. Barrett. 1,657,191; Jan. 24.
- Electrical instrument. M. Jacobson. 1,671,473; May 29.
- Electrical instrument. H. I. Shire. 1,696,333; Dec. 25.
- Electrical instrument of the telephone type. A. A. Thomas. 1,682,866; Sept. 4.
- Electrical instruments, Variably controlling. A. D. Cardwell. 1,658,427; Feb. 7.
- Electrical line conductors, Protecting. F. Hedley and J. S. Doyle. 1,690,580; Nov. 6.
- Electrical means for controlling lifts and the like. A. Bosselut. 1,692,542; Nov. 20.
- Electrical network. E. L. Norton. 1,664,755; Apr. 3.
- Electrical network and its operation. E. Peterson. 1,665,325; Apr. 10.
- Electrical operating apparatus. J. M. Schmierer. 1,666,182; Apr. 17.
- Electrical oscillations, Receiving. H. D. Currier. 1,657,567; Jan. 31.
- Electrical outlet. S. M. Traubitz. 1,684,161; Sept. 11.
- Electrical outlet device. H. E. Slade. 1,658,861-2; Feb. 14.
- Electrical pilotage. J. J. Gilbert. 1,696,230; Dec. 25.
- Electrical power equipment. M. Rotter. 1,684,073; Sept. 11.
- Electrical quantities, Device for indicating the quotient of two. D. Albrecht. 1,677,378; July 17.
- Electrical reactance, and method and apparatus. G. W. Pickard. 1,676,745; July 10.
- Electrical receiver. H. M. Williamson. 1,691,099; Nov. 13.
- Electrical receptacle and attachment. R. B. Benjamin. 1,660,290; Feb. 21.
- Electrical receptacle construction. R. B. Benjamin. 1,670,091; May 15.
- Electrical rectifying apparatus. J. Kübler. 1,682,383; Aug. 28.
- Electrical relay. R. J. Wensley. 1,695,907; Dec. 18.
- Electrical reproducer. C. W. Peterson. 1,682,144; Aug. 28.
- Electrical resistance. H. M. Dowsett and H. B. Tilley. 1,688,381; Oct. 23.
- Electrical resistance. W. Dubilier. 1,694,167; Dec. 4.
- Electrical resistance. C. E. Vawter. 1,694,149; Dec. 4.
- Electrical resistance apparatus. A. M. Levy. 1,658,788; Feb. 7.
- Electrical safety control circuit for automatic burner equipment. F. Fischer and A. F. Van Pelt. 1,666,331; Apr. 17.
- Electrical safety trip. R. Bonebrake. 1,673,222; June 12.
- Electrical shifting mechanism for curtains. L. V. Strouse. 1,696,368; Dec. 25.
- Electrical sound-producing apparatus. T. Bodde. 1,660,321; Feb. 28.
- Electrical switch. H. W. Batcheller. 1,689,852; Oct. 30.
- Electrical switch. R. H. Manson. 1,660,877; Feb. 28.
- Electrical switch. L. A. M. Phelan and C. Hotchkiss. 1,675,131; June 26.
- Electrical switch. L. A. M. Phelan and C. Hotchkiss. 1,676,920; July 10.
- Electrical switch. A. G. Steinmayer. 1,656,399; Jan. 17.
- Electrical switch. A. G. Steinmayer. 1,668,828; May 8.
- Electrical switch. W. S. Thimblethorpe. 1,672,791; June 5.
- Electrical switch. G. B. Wadsworth. 1,675,435; July 3.
- Electrical switching device. L. A. M. Phelan and C. Hotchkiss. 1,683,408; Sept. 4.
- Electrical switching mechanism. A. J. Evers. 1,676,433; July 10.
- Electrical system. R. C. Clinker. 1,694,966; Dec. 11.
- Electrical system. H. B. Davies. 1,668,056; May 1.
- Electrical system. E. I. Deutsch. 1,671,068; May 22.
- Electrical system. E. R. Evans. 1,656,370; Jan. 17.
- Electrical system. L. S. Kellholtz. 1,658,380; Feb. 7.
- Electrical system. S. P. Levenberg. 1,670,893; May 22.
- Electrical system. C. B. Mirick. 1,683,090; Sept. 4.
- Electrical system. D. C. Prince. 1,661,850; Mar. 6.
- Electrical system and apparatus. R. Dietze. 1,680,733; Aug. 14.
- Electrical system, High-frequency. A. H. Taylor and L. C. Young. 1,694,895; Dec. 11.
- Electrical system of distribution. L. H. Von Ohlsen. 1,691,095; Nov. 13.
- Electrical testing. F. A. Hubbard. 1,684,588; Sept. 18.
- Electrical testing. A. M. Curtis. 1,690,280; Nov. 6.
- Electrical testing device. J. M. Coote. 1,696,266; Dec. 25.
- Electrical translating circuit. R. W. King. 1,664,455; Apr. 3.
- Electrical translating device. S. S. A. Watkins. 1,672,967; June 12.
- Electrical transmission system. G. Musso. 1,688,346; Oct. 23.
- Electrical vibrating unit, Dynamo-. T. H. Howells. 1,661,829; Mar. 6.
- Electrical vulcanizing, Apparatus for. J. Ledwinka. 1,682,620; Aug. 28.
- Electrical wall devices, Faceplate for. T. A. Both. Des. 75,096; May 8.
- Electrical windings, Treating. H. Miller. 1,661,844; Mar. 6.
- Electrically-heated apparatus. A. E. Santschi. 1,677,214; July 17.
- Electrically-heated device. F. H. McCormick. 1,662,031; Mar. 6.
- Electrically-heated device. J. L. Shroyer. 1,680,748; Aug. 14.
- Electrically-heated tempering bath. L. P. Hynes. 1,673,567; June 12.
- Electrically heating metal bars, Apparatus for. E. S. Jefferies. 1,689,876; Oct. 30.
- Electrically-illuminated artificial tree. E. S. Marks. 1,677,972; July 24.
- Electrically-released brake. J. W. Dodd. 1,688,379; Oct. 23.
- Electrically treating liquids, Apparatus for. F. Van Tuyt. 1,668,293; May 1.
- Electricity meter. W. Bensch. 1,682,547; Aug. 28.
- Electricity meter. W. Bensch. 1,689,992; Oct. 30.
- Electricity meter. J. Harris. 1,655,604; Jan. 10.
- Electricity meter. J. Harris. 1,669,163; May 8.
- Electricity meter. J. Harris. 1,692,656; Nov. 20.
- Electricity meter. F. Scott. 1,669,177; May 8.
- Electricity meter, Coin-controlled. R. W. Jolly. 1,682,283; Aug. 28.
- Electricity meter, Direct-current. S. Z. De Ferranti. 1,679,712; Aug. 7.
- Electricity meter, Induction. A. L. Emens. 1,664,672-3; Apr. 3.
- Electricity meter, Induction. J. Harris. 1,659,429; Feb. 14.
- Electricity meters, Mechanism for driving and controlling. R. Pudelko. 1,688,353; Oct. 23.
- Electrification pole. C. M. Goodrich. 1,687,979; Oct. 16.
- Electrobrazing, Method of and apparatus for. H. E. Moineau. 1,660,805; Feb. 28.
- Electrocardiograph. E. Schwarzkopf and G. Wodtke. 1,681,628; Aug. 21.
- Electrochemical process for separating iron from aluminum. F. Giordani. 1,685,156; Sept. 25.
- Electrocleaning. R. M. Burns and C. W. Warner. 1,658,222; Feb. 7.
- Electrode. W. Irby. 1,669,129; May 8.
- Electrode. H. W. Matheson and J. C. Smith. 1,693,794; Dec. 4.
- Electrode. Y. Noishiki. 1,667,817; May 1.
- Electrode. M. Walther. 1,691,505; Nov. 13.
- Electrode and making the same, Preformed positive. R. C. Benner and J. H. Fink. 1,654,778; Jan. 3.
- Electrode and molding the same, Carbon. V. C. Doerschuk. 1,683,587; Sept. 4.
- Electrode and stirring device, Combined. S. A. W. Okell. 1,680,630; Aug. 14.
- Electrode, Arc-welding. H. R. Pennington and C. H. Holup. 1,696,011; Dec. 18.
- Electrode box. H. B. Hartman. 1,674,364; June 19.
- Electrode cap. J. H. Channon. 1,674,887; June 26.
- Electrode clamp. J. W. Meadowcroft. 1,663,258; Mar. 20.
- Electrode, Dry-cell. H. D. Hodge. 1,684,735; Sept. 18.
- Electrode for discharge tubes. G. Holst. 1,681,149; Aug. 14.
- Electrode for electric boilers. N. J. Neall and R. W. Chadbourn. 1,688,202; Oct. 16.
- Electrode for electrical discharge vessels, Flat. K. Rottgardt. 1,674,742; June 26.
- Electrode for evacuated electric devices. P. M. Hengstenberg. 1,677,341; July 17.
- Electrode for space-current devices, Control. R. B. Prindle. 1,669,145; May 8.
- Electrode for the combined therapeutic application of high-frequency current and of ultra-violet radiation. R. Gallois. 1,655,783; Jan. 10.

- Electrode holder for electric furnaces. F. Weckerle. 1,675,742; July 3.
- Electrode mass for self-baking electrodes. C. W. Söderberg. 1,670,052; May 15.
- Electrode, Metal-foil. R. H. Wappler. 1,662,446; Mar. 13.
- Electrode, Multiple grid. J. W. Greenbowe. 1,670,503; May 22.
- Electrode rack. H. G. Price and B. K. Smith. 1,661,303; Mar. 6.
- Electrode, Rectifier. E. W. Engle. 1,686,316; Oct. 2.
- Electrode, Resistance welding. G. A. Lutz. 1,676,656; July 10.
- Electrode, Self-baking. C. W. Söderberg. 1,686,474; Oct. 2.
- Electrode to be applied to the human body. E. Last. 1,692,669; Nov. 20.
- Electrode, Welding. A. P. Strohenger. 1,674,576; June 19.
- Electrodes, Distance-handling of. M. Walther. 1,686,302; Oct. 2.
- Electrodes in hot high-pressure rooms, Fluid-level indicator and leading-in arrangement for. S. Löffler. 1,683,362; Sept. 4.
- Electrodes, Making preformed negative. R. C. Benner, A. J. Briggs, and J. H. Fink. 1,654,779; Jan. 3.
- Electrodes, Process in the employment of self-baking. J. Westly. 1,657,948; Jan. 31.
- Electrodes, Production of self-baking. J. Westly. 1,679,284; July 31.
- Electrodes, Welding. N. B. Pilling and J. G. Schoener. 1,679,002; July 31.
- Electrodeposition, Apparatus for. E. M. Wanamaker. 1,693,683; Dec. 4.
- Electrolyte. H. O. Siegmund. 1,675,828; July 3.
- Electrolyte and electrolytic apparatus. R. E. Hall. 1,694,653; Dec. 11.
- Electrolyte for storage batteries. A. B. N. Werby. 1,684,852; Sept. 18.
- Electrolyte, Rectifier. E. W. Engle. 1,680,210; Aug. 7.
- Electrolytes, Making. R. Schuster. 1,695,667; Dec. 18.
- Electrolytic apparatus. F. C. Nixon. 1,692,757; Nov. 20.
- Electrolytic apparatus. H. J. Yeager. 1,658,872; Feb. 14.
- Electrolytic cell. H. G. Brinton. 1,674,497; June 19.
- Electrolytic cell. H. O. Siegmund and B. E. Brown. 1,655,026; Jan. 3.
- Electrolytic cell. S. T. Woodhull. 1,695,989; Dec. 18.
- Electrolytic cells, Means for replenishing. W. E. Holland. 1,684,476; Sept. 11.
- Electrolytic condenser and electrolyte therefor. H. N. Miller. 1,672,899; June 12.
- Electrolytic device. W. Morrison. 1,668,863; May 8.
- Electrolytic rectifier. W. H. Grimditch and J. N. Hunsberger, jr. 1,662,383; Mar. 13.
- Electrolytic rectifier. W. E. Holland. 1,691,806; Nov. 13.
- Electrolytic rectifier. H. C. Kremers. 1,682,846; Sept. 4.
- Electrolytic rectifier. A. B. Muntyan. 1,662,075; Mar. 13.
- Electrolytic rectifier. C. E. Ogden. 1,661,703; Mar. 6.
- Electrolytic rectifier. W. C. Read. 1,684,684; Sept. 18.
- Electrolytic rectifiers, Salt for. F. W. Barhoff and W. C. Brooks. 1,658,914; Feb. 14.
- Electromagnet. A. E. Anderson. 1,668,752; May 8.
- Electromagnet. H. W. Brown. 1,655,453; Jan. 10.
- Electromagnet. A. D. Cardwell. 1,693,135; Nov. 27.
- Electromagnet. C. L. Jauss. 1,666,970; Apr. 24.
- Electromagnet. W. S. Smith. 1,692,056; Nov. 20.
- Electromagnet. P. Trombetta. 1,696,615; Dec. 25.
- Electromagnet construction. L. J. Wahl. 1,656,458; Jan. 17.
- Electromagnet for sound-reproducing instruments. B. F. Waddell. 1,690,147; Nov. 6.
- Electromagnetic apparatus. P. N. Bossart. 1,661,651; Mar. 6.
- Electromagnetic attachment for key-controlled mechanisms. J. W. Lambert. 1,678,492; July 24.
- Electromagnetic brake. G. A. Halfverson. 1,685,997; Oct. 2.
- Electromagnetic brake. C. Jablov. 1,686,006; Oct. 2.
- Electromagnetic contractor. W. G. Hartwig. 1,654,646; Jan. 3.
- Electromagnetic control for fluid containers. C. S. Johann. 1,671,368; May 29.
- Electromagnetic detecting device. C. E. Godkin. 1,665,662; Apr. 10.
- Electromagnetic device. D. G. Ackerly. 1,675,148; June 26.
- Electromagnetic device. E. R. Carichoff. 1,664,104; Mar. 27.
- Electromagnetic device. W. B. Clarkson. 1,694,250; Dec. 4.
- Electromagnetic device. W. P. Crockett. 1,683,450; Sept. 4.
- Electromagnetic device. A. M. Curtis. 1,680,667; Aug. 14.
- Electromagnetic device. C. L. Farrand and E. Ross. 1,679,765; Aug. 7.
- Electromagnetic device. J. C. Field. 1,672,976; June 12.
- Electromagnetic device. J. S. Garvin. 1,660,994; Feb. 28.
- Electromagnetic device. N. H. Holland. 1,663,885; Mar. 27.
- Electromagnetic device. E. D. Mead. 1,665,318; Apr. 10.
- Electromagnetic device. R. Royal. 1,673,024; June 12.
- Electromagnetic device. J. A. Wotton. 1,696,223; Dec. 25.
- Electromagnetic instrument. W. Herzog. 1,680,216; Aug. 7.
- Electromagnetic instrument. T. L. Lee and H. C. Rohr. 1,691,203; Nov. 13.
- Electromagnetic motor. H. Wallace. 1,690,348; Nov. 6.
- Electromagnetic operating devices, Automatic control means for. H. K. Hitchcock. 1,665,060; Apr. 3.
- Electromagnetic operating means. G. F. Bason. 1,672,193; June 5.
- Electromagnetic pick-up apparatus. P. R. Fortin. 1,689,524; Oct. 30.
- Electromagnetic protective device. W. H. Petersén. 1,655,334; Jan. 3.
- Electromagnetic relay. E. H. Seeger. 1,662,174; Mar. 13.
- Electromagnetic sound-reproducing apparatus. E. F. Holinger. 1,690,725; Nov. 6.
- Electromagnetic underground prospecting. W. A. Loth. 1,672,328; June 5.
- Electromagnetic vibratory unit. J. M. S. King and R. S. Lund. 1,671,727; May 29.
- Electromagnetic waves, Receiving apparatus for. C. C. Lauritsen. 1,655,553; Jan. 10.
- Electromagnetically-actuated switch. G. H. Chapman. 1,691,920; Nov. 20.
- Electromagnetically-operated device. A. J. Horton. 1,682,676; Aug. 28.
- Electromagnetically-operated switch. G. E. Perry. 1,668,731; May 8.
- Electromechanical interlock. T. Brady. 1,665,526; Apr. 10.
- Electromechanical system. W. G. Cady. 1,693,806; Dec. 4.
- Electromotor. B. Heger. 1,692,735; Nov. 20.
- Electron device. H. P. Donie. 1,675,334; July 3.
- Electron device adapted for high potential. C. T. Ulrey. 1,655,925; Jan. 10.
- Electron device and activation. H. C. Rentschler. 1,670,483; May 22.
- Electron-discharge apparatus. A. G. Davis. 1,658,672; Feb. 7.
- Electron-discharge apparatus. A. W. Hull. 1,655,270; Jan. 3.
- Electron-discharge apparatus. W. C. White. 1,675,585-6; July 3.
- Electron-discharge device. J. E. Harris. 1,689,338; Oct. 30.
- Electron-discharge device. W. G. Houskeeper. 1,658,200; Feb. 7.
- Electron-discharge device. A. W. Hull. 1,661,830; Mar. 6.
- Electron-discharge device. M. J. Kelly. 1,678,145; July 24.
- Electron-discharge device. W. A. Knoop. 1,673,008; June 12.
- Electron-discharge device. W. A. MacDonald. 1,677,355; July 17.
- Electron-discharge device. A. Mavrogenis. 1,684,104; Sept. 11.
- Electron-discharge device. H. J. Nolte. 1,680,691; Aug. 14.
- Electron-discharge device. H. J. Nolte and R. B. Prindle. 1,673,789; June 12.
- Electron-discharge device. H. J. Nolte. 1,687,505; Oct. 16.
- Electron-discharge device. G. D. O'Neill. 1,663,561; Mar. 27.
- Electron-discharge device. W. A. Ruggles. 1,665,896; Apr. 10.
- Electron-discharge device. P. Schwerin. 1,654,899; Jan. 3.
- Electron-discharge device. P. Schwerin. 1,688,991; Oct. 23.
- Electron-discharge device. K. H. Stark. 1,695,746; Dec. 18.
- Electron-discharge device and circuit therefor. E. E. Schumacher. 1,665,508; Apr. 10.
- Electron-discharge device with oxide-coated filament. H. C. Rentschler. 1,691,446; Nov. 13.
- Electron-discharge tube. S. Loewe. 1,668,724; May 8.
- Electron-discharge tube. C. Spaeth. 1,693,321; Nov. 27.
- Electron-discharge-tube amplifier system. L. L. Jones. 1,673,287; June 12.
- Electron-discharge-tube structure. L. Sutherland and H. M. Freeman. 1,667,907; May 1.
- Electron-discharge tubes, Grid electrode for. E. Schrack. 1,658,946; Feb. 14.
- Electron-discharge tubes, Method of and apparatus for cooling. M. Morrison. 1,656,826; Jan. 17.
- Electron-emission device. F. T. May. Des. 76,947; Nov. 20.
- Electron-emission devices and method of making, Mount for. D. D. Demarest. 1,660,153; Feb. 21.
- Electron-emission material, Activation of. J. W. Marden and J. E. Conley. 1,665,636; Apr. 10.
- Electron-emission material and preparation. J. W. Marden. 1,670,463; May 22.
- Electron-emission material and the activation thereof. T. P. Thomas. 1,670,487; May 22.
- Electron-emitting element. L. McCulloch. 1,695,899; Dec. 18.
- Electron-emitting material. C. V. Iredell. 1,663,553; Mar. 27.
- Electron-emitting material and the preparation thereof. T. P. Thomas. 1,659,175; Feb. 14.
- Electron-emitting means, Apparatus for making. E. R. Stockle. 1,668,742; May 8.
- Electron tube. W. Daumann. 1,658,478; Feb. 7.
- Electron-tube circuits. J. L. Ludlow. 1,661,698; Mar. 6.

- Electron tubes, Regulating grid voltage of. G. Thilo. 1,680,348; Aug. 14.
- Electron tubes, Testing. D. F. Whiting and J. Blanchard. 1,668,748; May 8.
- Electronic emission devices, Treating. M. D. Sarbey. 1,661,235; Mar. 6.
- Electrooptical transmission. R. C. Mathes. 1,671,302; May 29.
- Electroplating and the like, Apparatus for. De Verre. 1,677,817; July 17.
- Electroplating, Apparatus for. G. Caraccio. 1,655,781; Jan. 10.
- Electropneumatic brake. U. A. Whitaker. 1,681,563; Aug. 21.
- Electroresponsive devices, Apparatus for causing intermittent operation of. L. O. Grondahl. 1,687,017; Oct. 9.
- Electroscope picture reception. C. F. Jenkins. Re-16,888; Feb. 21.
- Electrosurgical apparatus. C. Fayer. 1,695,485; Dec. 18.
- Electrotherapeutic machine. J. B. Wantz and A. A. Grothe. 1,654,768; Jan. 3.
- Electrotherapeutic apparatus. S. Pongo. 1,664,992; Apr. 3.
- Electrotherapy, Device for the application of. F. P. Reed, C. F. Strohman, and C. J. Dillwith. 1,690,551; Nov. 6.
- Electrothermal device. O. C. Traver. 1,692,474; Nov. 20.
- Electrothermally-responsive device. G. R. Radley. 1,658,254; Feb. 7.
- Electrothermostatic switch. N. J. Luttrell. 1,678,401; July 24.
- Electrotype plates, Backing. H. M. Blaetz. 1,676,628; July 10.
- Electrotyping, Plate and preparation of plate for. W. J. Maginnis. 1,676,658; July 10.
- Elements, Producing expandable-collapsible. H. C. Malory. 1,656,213; Jan. 17.
- Elevating and feeding means, Fluid. L. E. Van Hise. 1,686,887; Oct. 9.
- Elevating apparatus. H. S. Germond, jr. 1,690,107; Nov. 6.
- Elevating apparatus, Automobile. R. J. Denio. 1,684,729; Sept. 18.
- Elevating grain. C. Breecinski. 1,686,793; Oct. 9.
- Elevating mechanism. C. W. Moore. 1,656,749; Jan. 17.
- Elevating popped corn and delivering it, Apparatus for. G. H. Hartman. 1,694,381; Dec. 11.
- Elevating water, Device for. P. A. Cirou. 1,685,907; Oct. 2.
- Elevator: See—
- Automatic elevator.
 - Binder elevator.
 - Casing elevator.
 - Fish elevator.
 - Fluid elevator.
 - Grain elevator.
 - Loading elevator.
 - Marine elevator.
 - Oil-well elevator.
 - Package elevator.
 - Rod elevator.
 - Portable elevator.
 - Safety elevator.
 - Sucker-rod elevator.
 - Suction elevator.
 - Wall elevator.
- Elevator. M. A. Baker. 1,669,184; May 8.
- Elevator. M. A. Baker. 1,682,209; Aug. 28.
- Elevator. M. Baruch. Re17,097; Oct. 9.
- Elevator. J. Darby. 1,667,069; Apr. 24.
- Elevator. J. Darby and C. W. Old. 1,667,068; Apr. 24.
- Elevator. E. Hanak. 1,673,559; June 12.
- Elevator. C. F. Lane. 1,665,101; Apr. 3.
- Elevator. H. C. Lisle, and F. H. Lewis. 1,686,825; Oct. 9.
- Elevator. H. V. McCormick. 1,679,092; July 31.
- Elevator. H. V. McCormick. 1,688,823; Oct. 23.
- Elevator. A. Nordland. 1,696,122; Dec. 18.
- Elevator. E. L. Rick. 1,670,048; May 15.
- Elevator and inclosure therefor. W. B. Crowell. 1,685,228; Sept. 25.
- Elevator and loader, Stock. M. H. Russell. 1,660,275; Feb. 21.
- Elevator and support for wall boards and the like. A. Austin. 1,685,144; Sept. 25.
- Elevator-car construction. M. Farch. 1,687,087; Oct. 9.
- Elevator cars to the hoisting cables, Device for temporarily connecting. J. E. Evans. 1,661,132; Feb. 28.
- Elevator casing. N. M. Lower and P. A. Ketchpel. 1,658,247; Feb. 7.
- Elevator casing. N. M. Lower and P. A. Ketchpel. 1,690,789; Nov. 6.
- Elevator-control apparatus. H. W. Shonnard. 1,683,925; Sept. 11.
- Elevator-control apparatus. H. L. Ungerer and D. W. Hughes. 1,655,116; Jan. 3.
- Elevator-control switch. M. B. McLauthlin. 1,660,390; Feb. 28.
- Elevator-control system. R. P. Higbee. 1,669,518; May 15.
- Elevator-control system. E. B. Thurston. 1,661,020; Feb. 28.
- Elevator-door-operating equipment. O. P. McGee. 1,655,732-3; Jan. 10.
- Elevator-door-operating mechanism. W. B. Crowell. 1,684,433; Sept. 18.
- Elevator doors, Guide shoe for. J. A. Schweig. 1,655,977; Jan. 10.
- Elevator feeders, Apron for ore. E. J. Ouellette. 1,656,602; Jan. 17.
- Elevator for potato diggers, Extension. B. Gronke and C. F. Crumb. 1,673,193; June 12.
- Elevator for underground garages. S. P. Withrow. 1,660,465; Feb. 28.
- Elevator mechanism. C. W. Herrin. 1,660,305; Feb. 21.
- Elevator mechanism for conveyers. H. I. Lahr. 1,687,573; Oct. 16.
- Elevator-operation device. E. B. Thurston. Re16,955; May 1.
- Elevator or transfer device. L. E. Parker. 1,689,839; Oct. 30.
- Elevator rack. W. M. Chapman. 1,673,864; June 19.
- Elevator safety appliance. F. Hymans. 1,685,232; Sept. 25.
- Elevator safety device. J. G. Russell. 1,672,175; June 5.
- Elevator-signal panel. P. S. Van Bloem. Des. 76,365; Sept. 18.
- Elevator signal panel. P. S. Van Bloem. Des. 76,436; Sept. 25.
- Elevator signal system. C. W. Bassett. 1,666,589; Apr. 17.
- Elevator signaling system. R. H. Gaylord. 1,655,142; Jan. 3.
- Elevators, Control system for. L. I. Davis. 1,680,771; Aug. 14.
- Elevators, Control system for. H. L. Heart. 1,680,784; Aug. 14.
- Elevators, Control system for electric. E. B. Thurston. 1,661,021; Feb. 28.
- Elevators, Controller for electric. E. W. Seeger. 1,664,269; Mar. 27.
- Elevator-stop mechanism. J. S. Vrahorit. 1,689,264; Oct. 30.
- Elevator support. F. Henderson. 1,693,552; Nov. 27.
- Elevator system. D. L. Lindquist and D. C. Larson. 1,694,712; Dec. 11.
- Elevator system. H. Mason. 1,693,851; Dec. 4.
- Elevator system and apparatus in connection therewith. F. Lane and W. A. Machin. 1,696,309; Dec. 25.
- Elevators, Control system for. L. I. Davis. 1,686,684; Oct. 9.
- Elevators, Grain cleaner and dust remover for. R. L. Dowdall and C. C. Palmer. 1,659,088; Feb. 14.
- Elevators, Interlocking device for. J. J. Fogarty. 1,657,920; Jan. 31.
- Elevators, Leveling device for. E. L. Dunn. 1,678,423; July 24.
- Elevators, Safety device for. W. Bellowons and P. Richards. 1,660,064; Feb. 21.
- Elevators, Safety system for electric. C. C. Clymer. 1,672,675; June 5.
- Eliminator, Interference and static. E. C. Raasch. 1,686,878; Oct. 9.
- Embalming table, Convertible. H. M. Leonard. 1,690,451; Nov. 6.
- Emblem and manufacturing therefor. F. O. Rehfield. 1,654,702; Jan. 3.
- Emblem, Automobile radiator. E. W. Ferguson. Des. 76,993; Nov. 27.
- Emblem, Automobile radiator-cap. R. C. Ruppel. Des. 75,291; May 22.
- Emblem frame. W. J. Feeley. Des. 74,668; Mar. 13.
- Emblem or similar article. E. R. Redman. Des. 75,983; Aug. 7.
- Emblem or the like. H. T. Kracke. Des. 75,437; June 5.
- Embossing and printing machine. C. Chisholm. 1,690,442; Nov. 6.
- Embossing, Apparatus for. H. J. Toepfert and G. M. Prentice. 1,660,980; Feb. 28.
- Embossing machine. F. S. Baker and J. L. Richards. 1,663,330; Mar. 20.
- Embossing machine for bricks. J. J. F. Brand. 1,672,747; June 5.
- Embossing plate and producing the same. C. E. Edwards. 1,663,688; Mar. 27.
- Embroidered edging. H. Schwarber. Des. 74,281; Jan. 17.
- Embroidered edging. H. Schwarber. Des. 75,529; June 12.
- Embroidered edging. H. Schwarber. Des. 75,700; July 3.
- Embroidered fabric. J. Walder. Des. 76,650; Oct. 16.
- Embroidered medallion. H. Schwarber. Des. 75,451; June 5.
- Embroidered textile fabric. W. Schmid. Des. 76,425; Sept. 25.
- Embroidering machines, Machine for perforating jacquard cards for. K. G. Scheibel. 1,667,742; May 1.
- Embroidery, Decorative. A. Bergman. 1,682,474; Aug. 28.
- Embroidery frame. H. Schloetzer. 1,660,276; Feb. 21.
- Embroidery frame. H. Schmid. 1,659,925; Feb. 21.
- Embroidery guide, Automatically-adjustable. A. J. Forseth. 1,685,194; Sept. 25.
- Embroidery-hoop holder. C. D. Baldwin. 1,666,323; Apr. 17.
- Emergency brake control. E. B. Mead. 1,669,621; May 15.
- Emergency seat, Pivoting. A. Boulogne. 1,664,766; Apr. 3.
- Emergency wheel, Vehicle. U. J. Haynes. 1,681,665; Aug. 21.
- Emery-wheel dresser. R. P. Place. 1,689,930; Oct. 30.
- Emetine derivatives for therapeutical purposes. E. Rothlin and F. Müller. 1,686,930; Oct. 9.
- Emetine, Preparation of. E. Burckhardt and M. Stärkle. 1,670,059; May 15.

- Empennage and plane arrangement. W. H. Barling. 1,677,069; July 10.
- Emulsification apparatus. G. C. Hurrell. 1,685,424; Sept. 25.
- Emulsifier. W. Thordarson. 1,683,500; Sept. 4.
- Emulsifying apparatus. G. L. Fish. 1,694,589; Dec. 11.
- Emulsion, Bituminous. H. R. Gundlach. 1,663,652; Mar. 27.
- Emulsions and making the same, Light-sensitive silver halide. P. Wulff and B. Wendt. 1,696,830; Dec. 25.
- Emulsions and product thereof, Making. L. Kirschbraun. 1,679,475; Aug. 7.
- Emulsions or dispersions and product thereof, Producing. L. Kirschbraun. 1,691,768; Nov. 13.
- Emulsions or dispersions, Producing. L. Kirschbraun and H. L. Levin. 1,691,766-7; Nov. 13.
- Emulsions, Producing stable. R. Mezger. 1,665,105; Apr. 3.
- Emulsions, Production of. C. A. Agthe. 1,668,136; May 1.
- Emulsions, Production of. W. A. Whatmough. 1,663,323; Mar. 20.
- Emulsions, Treating. L. Burgess. 1,668,941; May 8.
- Enamel-coated article. J. A. Anderson. 1,693,130; Nov. 27.
- Enamel for coating cans. R. H. Lueck. 1,667,212; Apr. 24.
- Enamel-removing solutions, Treating fouled. W. H. Allen. 1,656,154; Jan. 17.
- Enameling articles. P. F. Titchener. 1,689,062; Oct. 23.
- Enameling cradle. A. F. Brotz. 1,669,587; May 15.
- Enameling furnace. R. E. Talley. 1,692,060; Nov. 20.
- End control, Double-. S. J. Strid. 1,661,276; Mar. 6.
- End gate. A. Andersen. 1,655,489; Jan. 10.
- End gate. F. F. Baden. 1,655,831; Jan. 10.
- End gate and scoop board for wagon boxes, Combined. A. G. and J. J. Traeger. 1,670,173; May 15.
- End or corner piece. L. S. James. 1,668,909; May 8.
- End table. O. B. Bach. Des. 74,340; Feb. 7.
- End table. G. W. Newton. Des. 74,386; Feb. 7.
- Endless tread. J. D. Festary. 1,674,133; June 19.
- Endoscope. H. Heimberger. 1,675,216; June 26.
- Endoscope. R. H. Wappler. 1,680,490; Aug. 14.
- Endosperm from cereals, Recovering the. L. Bartmann. 1,670,015; May 15.
- Energy between a current and a body therein, Arrangement for exchanging. A. Flettner. 1,674,169; June 19.
- Energy developed through the momentum of moving trains, Applying to useful purposes the. B. B. Bryan, jr. 1,687,927; Oct. 16.
- Energy-translation system. H. C. Harrison. 1,689,339; Oct. 30.
- Engine: See—
- Air-cooled internal-combustion engine. Locomotive engine.
- Beating engine. Marine engine.
- Combustion engine. Oil engine.
- Dental engine. Paper-pulp and like beating engine.
- Door engine. Piston engine.
- Double-acting engine. Power engine.
- Drilling engine. Pumping engine.
- Electric engine. Pump and like engine.
- Expansion engine. Reciprocating engine.
- Explosive engine. Rotary engine.
- Fluid-pressure engine. Sleeve-valve engine.
- Fuel-combustion engine. Steam engine.
- Fuel-injection engine. Stump-pulling engine.
- Gas engine. Toy electric engine.
- Gasoline engine. Traction engine.
- Heat engine. Turbine engine.
- Hoisting engine. Two-cycle engine.
- Hydrocarbon engine. Upflow engine.
- Internal-combustion engine. Valve engine.
- Internal-explosive engine. Winding engine.
- Jordan engine.
- Engine. O. B. Clemens. 1,657,108; Jan. 24.
- Engine. A. Corona. 1,654,792; Jan. 3.
- Engine. H. M. Crane. 1,665,298; Apr. 10.
- Engine. R. K. Jack. 1,683,039; Sept. 4.
- Engine. H. M. Leonard. 1,674,730; June 26.
- Engine. D. Magusiak. 1,677,483; July 17.
- Engine. W. Paul. 1,675,129; June 26.
- Engine. A. L. Powell. 1,663,261; Mar. 20.
- Engine. A. D. Skinner. 1,663,144; Mar. 20.
- Engine. F. H. Wood and F. C. Barnard. 1,696,071; Dec. 18.
- Engine and operating same, Constant-volume and constant-compression. J. H. K. McCollum. 1,695,714; Dec. 18.
- Engine and operating same, Internal-combustion. L. G. Nilson. 1,682,305; Aug. 28.
- Engine and operation thereof, Solid-fuel internal-combustion. R. Pawlikowski. 1,656,678; Jan. 17.
- Engine and piston, Single-acting. W. Noble. 1,681,494; Aug. 21.
- Engine and supercharging, Supercharger internal-combustion. M. Seng, A. G. M. Michell. 1,689,080; Oct. 30.
- Engine and the like, Rotary. A. W. Davies. 1,694,208; Dec. 4.
- Engine and the like, Rotary. I. Turner. 1,665,994; Apr. 10.
- Engine and timing the valves thereof, Internal-combustion. D. Cole. 1,687,082; Oct. 9.
- Engine and valve structure. P. G. Frazier. 1,672,564; June 5.
- Engine bracket, Outboard-. L. T. Savage. 1,690,435; Nov. 6.
- Engine brake. J. J. F. Adams. 1,658,960; Feb. 14.
- Engine construction. A. Andrews. 1,675,629; July 3.
- Engine construction. C. E. Bonner. 1,670,298; May 22.
- Engine construction. C. E. Bonner. 1,679,463; Aug. 7.
- Engine construction. C. E. Bonner and J. W. Maughmer. 1,670,299; May 22.
- Engine control, Oil-. C. B. Jahnke. 1,659,656; Feb. 21.
- Engine-cooling means. P. L. Howe. 1,662,269; Mar. 13.
- Engine-cooling system. L. P. Barlow. 1,660,314; Feb. 28.
- Engine-cooling system. H. C. Mallory. 1,658,090; Feb. 7.
- Engine-cooling system. H. C. Mallory. 1,687,679; Oct. 16.
- Engine-cooling system. S. W. Rushmore. 1,657,590; Jan. 31.
- Engine cooling system, Internal-combustion-. E. J. Manning. 1,663,016; Mar. 20.
- Engine crank-shaft and connecting-rod construction. P. H. Wenzl. 1,682,315; Aug. 28.
- Engine cylinder, Explosion-. E. Maggiora. 1,657,631; Jan. 31.
- Engine-cylinder structure. C. Reineke. 1,657,843; Jan. 31.
- Engine cylinders, Making. F. O. Clements. 1,658,553; Feb. 7.
- Engine drive for ships, Combustion-. E. A. Sperry. 1,682,358; Aug. 28.
- Engine exhaust. G. W. Schultz. 1,685,006; Sept. 18.
- Engine explosion pressure, Applying. C. L. Stokes. 1,693,733; Dec. 4.
- Engine for steam heating, Valve. L. P. Hynes. 1,684,225; Sept. 11.
- Engine, Form of internal-combustion. G. K. Davol. 1,656,884; Jan. 17.
- Engine governor. F. E. Aseltine. 1,658,547; Feb. 7.
- Engine governor. H. G. Mueller. 1,657,025; Jan. 24.
- Engine head. A. B. Streeter. 1,683,268; Sept. 4.
- Engine heater, Hot-air-. J. Koenig. 1,678,396; July 24.
- Engine ignition system. M. Mallory. 1,663,207; Mar. 20.
- Engine intakes, Auxiliary air and drainage device for gasoline-. E. M. Satterlee. 1,693,162; Nov. 27.
- Engine jacket, Internal-combustion-. K. R. Manville. 1,657,512; Jan. 31.
- Engine-lathe attachment. J. N. Saxton. 1,654,607; Jan. 3.
- Engine lubrication, Sleeve-principle. A. A. Woodward. 1,686,720; Oct. 9.
- Engine lubrication, Sleeve type of internal-combustion-. R. L. Skinner and E. H. Lambert. 1,666,194; Apr. 17.
- Engine lubricator, Steam-. P. Dorsey. 1,692,202; Nov. 20.
- Engine mounting. H. Caminez. 1,681,219; Aug. 21.
- Engine mounting. E. O. Schjolin. 1,679,990; Aug. 7.
- Engine of the opposed-piston type, Two-stroke. G. For naca. 1,680,017; Aug. 7.
- Engine of the rotary-cylinder type, Explosive. D. F. Asbury. 1,683,229; Sept. 4.
- Engine of the sleeve-valve type, Sleeve of the. C. Schaeffer. 1,677,651; July 10.
- Engine of the two-stroke type, Internal-combustion. G. Held. 1,696,799; Dec. 25.
- Engine or machine, Carding. J. W., and H. Platt. 1,685,658; Sept. 25.
- Engine provided with an auxiliary charging pump, Internal-combustion. J. Freislinger. 1,662,854; Mar. 20.
- Engine, pump, and compressor, Multicylinder reciprocating. R. E. Watts. 1,681,072; Aug. 14.
- Engine pump, compressor, and the like. H. Heinrich. 1,658,803; Feb. 14.
- Engine regulator. S. P. Wilbur. 1,673,855; June 19.
- Engine-shell lining, Jordan-. H. D. Martindale. 1,696,641; Dec. 25.
- Engine starter. R. Chilton. 1,660,953; Feb. 28.
- Engine starter. F. C. Kroeger. 1,661,372; Mar. 6.
- Engine starter. R. P. Lausing. 1,680,557; Aug. 14.
- Engine starter. R. P. Lausing. 1,691,820; Nov. 13.
- Engine starter. W. L. McGrath. 1,693,342; Nov. 27.
- Engine-starting apparatus. J. Bijur. 1,660,987; Feb. 28.
- Engine-starting apparatus. J. Bijur. 1,664,847; Apr. 3.
- Engine-starting apparatus. G. W. Elsey. 1,661,362; Mar. 6.
- Engine-starting apparatus. R. P. Lausing. 1,682,971; Sept. 4.
- Engine-starting apparatus. H. M. Martin. 1,672,071; June 5.
- Engine-starting apparatus. H. Pender. 1,666,396; Apr. 17.
- Engine-testing gauge. G. Zitzmann. 1,683,710; Sept. 11.
- Engine-turning machine. F. J. Kristofek and W. F. Benson. 1,665,372; Apr. 10.
- Engine with counterrunning pistons, Internal-combustion. J. G. Grönvall. 1,692,499; Nov. 20.
- Engine with cylinders arranged in two opposite lines, Internal-combustion. J. J. M. Bertrand and L. J. H. Solanet. 1,673,484; June 12.
- Engine with fuel injected sidewise, Internal-combustion. W. Richm. 1,679,743; Aug. 7.
- Engine with self-ignition, Combustion power. F. Lang. 1,679,831; Aug. 7.
- Engine without carburetor, Internal-combustion. B. Kamensky. 1,664,747; Apr. 3.
- Engines, Air-cooling means for internal-combustion. A. G. M. Michell. 1,670,666; May 22.

- Engines, Air-supply system for two-stroke-cycle. H. W. Sunner. 1,660,942; Feb. 28.
- Engines, Antidetonation piston constructed for internal-combustion. A. Moore. 1,656,360; Jan. 17.
- Engines, Apparatus for feeding fuel by pressure to internal-combustion. E. A. Rockwell. 1,658,055; Feb. 7.
- Engines, Arrangement of precombustion chamber for injection-oil. F. Modersohn. 1,660,424; Feb. 28.
- Engines, Assembling internal-combustion. H. T. Herr. 1,673,943; June 19.
- Engines, Attachment for internal-combustion. C. R. Jones. 1,657,010; Jan. 24.
- Engines, Attachment for oil-burning. J. B. Pruitt. 1,671,315; May 29.
- Engines, Automatic starting device for internal-combustion. P. Viet. 1,678,753; July 31.
- Engines, Automatic system for cooling internal-combustion. G. Fornaca. 1,659,866; Feb. 21.
- Engines, Auxiliary combustion space in internal-combustion. W. E. Ernst. 1,678,212; July 24.
- Engines, Balance wheel for. R. N. Shoner. 1,680,120; Aug. 7.
- Engines, Balancer for internal-combustion. W. S. Fisher. 1,658,979; Feb. 14.
- Engines, Charge-forming device for internal-combustion. G. Horvath. 1,688,388; Oct. 23.
- Engines, Charge-forming device for internal-combustion. J. Juhasz. 1,656,356; Jan. 17.
- Engines, Charging and distributing device for internal-combustion. J. S. Booth. 1,690,330; Nov. 6.
- Engines, Clutch and accelerator interlocking mechanism for automobile. J. Millington. 1,663,413; Mar. 20.
- Engines, Combustion chamber for internal-combustion. A. Moore. 1,678,348; July 24.
- Engines, Compressed-air starting device for internal-combustion. H. Becker. 1,668,886; May 8.
- Engines, Compressor and scavenger for Diesel. R. Wintzer. 1,668,099; May 1.
- Engines, Condenser for water-cooled. W. F. Kasper. 1,659,432; Feb. 14.
- Engines, Construction and mounting of a valve mechanism for internal-combustion. R. W. A. Brewer. 1,656,771; Jan. 17.
- Engines, Control apparatus for oil. H. C. Wasson and L. L. Collins. 1,682,875; Sept. 4.
- Engines, Controlling device for pulp-refining. A. J. Loman. 1,686,217; Oct. 2.
- Engines, Controlling means for starters for internal-combustion. W. Metzroth. 1,664,522; Apr. 3.
- Engines, Controlling the exhaust of internal-combustion. H. H. Maxim. 1,673,414; June 12.
- Engines, Cooling system for internal-combustion. C. F. Kettering. 1,665,307; Apr. 10.
- Engines, Cooling system for internal-combustion. J. A. Kinnard. 1,667,207; Apr. 24.
- Engines, Cooling system for internal-combustion. A. Thub. 1,658,773; Feb. 7.
- Engines, Cooling systems for internal-combustion. W. W. Muir. 1,686,864; May 8.
- Engines, Device for controlling the energy supply of internal-combustion. P. J. Schwalbenberg. 1,669,786; May 15.
- Engines, Distilling device for lubricating systems of internal-combustion. G. H. Greenhalgh. 1,668,013; May 1.
- Engines, Distributor for combustion. E. Rathbun. 1,669,398; May 8.
- Engines, Double-passage antidetonation cylinder head for internal-combustion. A. Moore. 1,656,358; Jan. 17.
- Engines, Drive unit for tandem aircraft. L. H. Rengler. 1,689,751; Oct. 30.
- Engines, Driving mechanism for the fans of Ford and like. R. M. Cribbes. 1,661,600; Mar. 6.
- Engines, Fuel atomizer for internal-combustion. A. U. S. Danielsson. 1,657,372; Jan. 24.
- Engines, Fuel-distributing device for multi-cylinder. A. U. S. Danielsson. 1,657,373; Jan. 24.
- Engines, Fuel economizer and air-inlet valve for internal-combustion. I. J. Fansler, sr. 1,689,280; Oct. 30.
- Engines, Fuel feed system for internal-combustion. L. E. Van Hise. 1,676,751; July 10.
- Engines, Fuel injection device for internal-combustion. E. von Salis. 1,663,469-70; Mar. 20.
- Engines, Fuel-injection device for internal-combustion. E. von Salis. 1,663,472; Mar. 20.
- Engines, Fuel-injection device for solid-oil. E. von Salis. 1,663,471; Mar. 20.
- Engines, Fuel injector for internal-combustion. J. W. Enright. 1,679,818; Aug. 7.
- Engines, Fuel intake for two-cycle. A. B. Streeter. 1,677,604; July 17.
- Engines, Heater for. E. and E. W. O'Malley. 1,655,434; Jan. 10.
- Engines, Humidifier for internal-combustion. M. C. Mayo. 1,654,984; Jan. 3.
- Engines, Humidifying device for internal-combustion. D. Schwertner. 1,686,470; Oct. 2.
- Engines, Increasing the efficiency of injection air compressors of internal-combustion. F. Muller. 1,659,043; Feb. 14.
- Engines, Indicating device for internal-combustion. S. Tenckick. 1,663,600; Mar. 27.
- Engines, Indicating device for internal-combustion. L. A. Mapel. 1,680,425; Aug. 14.
- Engines, Injection device for internal-combustion. E. Schaaeren. 1,684,074; Sept. 11.
- Engines, Intake manifold and heating-medium control for internal-combustion. J. R. Francis. 1,680,373; Aug. 14.
- Engines, Intake manifold for internal-combustion. A. D. Chandler. 1,658,477; Feb. 7.
- Engines, Intake manifold for internal-combustion. W. G. Heginbottom. 1,675,349; July 3.
- Engines, Locked against back rotation, Starting crank for explosion. M. Harke. 1,656,062; Jan. 10.
- Engines, Lubricating device for internal-combustion. W. C. Eisengart. 1,664,671; Apr. 3.
- Engines, Lubricating device for internal-combustion. F. Porsche. 1,667,983; May 1.
- Engines, Lubrication system for internal-combustion. F. Jehle. 1,665,366; Apr. 10.
- Engines, Lubricating the pistons and valves of. A. D. J. Forster. 1,659,356; Feb. 14.
- Engines, Manifold for internal-combustion. A. P. Brush. 1,670,492; May 22.
- Engines, Manifold for internal-combustion. W. P. Deppé. 1,667,886; May 1.
- Engines, Method of and apparatus for controlling the speed of fluid-actuated. S. M. Viele. 1,674,490; June 19.
- Engines, Mixing and supercharging device for internal-combustion. R. B. Woodcock. 1,657,055; Jan. 24.
- Engines, Mixing attachment for internal-combustion. W. H. Miller. 1,657,891; Jan. 31.
- Engines, Mounting means for vehicle. D. S. Harder and F. W. Vrooman. 1,696,602; Dec. 25.
- Engines, Muffler for internal-combustion. W. Jehle. 1,658,126; Feb. 7.
- Engines, Oil cleaner for internal-combustion. R. O. Hendrickson. 1,661,825; Mar. 6.
- Engines, Oil cooler and cleaner for internal-combustion. H. A. Cutting. 1,659,136; Feb. 14.
- Engines, Oil rectifier for internal-combustion. L. E. Scranage. 1,657,769; Jan. 31.
- Engines, Operating explosive. O. W. Hult. 1,666,384; Apr. 17.
- Engines, Operating internal-combustion. W. W. Muir. 1,671,440; May 29.
- Engines, Power plant, particularly for locomotive. J. Robson. 1,655,740; Jan. 10.
- Engines, Preparing a dry gaseous-fuel mixture for internal-combustion. C. E. Parsons. 1,663,507; Mar. 20.
- Engines, Preventing racing of ships. B. A. Sperry. 1,678,714; July 31.
- Engines, Primer for internal-combustion. J. Cavanagh. 1,658,115; Feb. 7.
- Engines, Process of and apparatus for operating internal combustion. W. W. Muir. 1,658,933-4; Feb. 14.
- Engines, Pump attachment for outboard-motor. H. J. Hillborn. 1,663,253; Mar. 20.
- Engines, Recording and timing device for combustion. P. Kreisel. 1,655,615; Jan. 10.
- Engines, Regulating device for heavy oil. G. Held. 1,657,394; Jan. 24.
- Engines, Rocker arm and cam assembly for internal-combustion. R. T. Anderson. 1,671,973; June 5.
- Engines, Scavenging muffler for automotive. N. G. Warth. 1,658,402; Feb. 7.
- Engines, Scavenging port for internal-combustion. H. R. Setz. 1,656,762; Jan. 17.
- Engines, Scoop attachment for traction. A. Laurie. Re17,025; July 10.
- Engines, Speed-regulating means for motive-power. R. P. L. Hytte. 1,669,709; May 15.
- Engines, Spraying device for heavy oil. G. Held. 1,657,395; Jan. 24.
- Engines, Starter drive for internal-combustion. J. C. Coulombe. 1,683,165; Sept. 4.
- Engines, Starter for internal-combustion. J. W. Edblad. 1,657,885; Jan. 31.
- Engines, Starting control for internal-combustion. W. W. Helle. 1,659,773; Feb. 21.
- Engines, Starting device for gas. J. V. Rice, jr. 1,656,568; Jan. 17.
- Engines, Starting internal-combustion. H. R. Ricardo. 1,669,780; May 15.
- Engines, Steam injector for combustion. J. E. Simmermann. 1,672,992; June 12.
- Engines, Stuffing box for internal-combustion. C. H. Sheasley. 1,655,775; Jan. 10.
- Engines, Superfeed system for two-stroke internal-combustion. G. Fornaca. 1,660,610; Feb. 28.
- Engines, Superheat system for internal-combustion. W. P. Deppé. 1,689,942; Oct. 30.
- Engines, Tappet for internal-combustion. I. Virona. 1,664,651; Apr. 3.
- Engines, Temperature-regulating means for liquid cooled. W. H. Driscoll. 1,667,458; Apr. 24.
- Engines, Turbine-vaned antidetonation cylinder head for internal-combustion. A. Moore. 1,656,359; Jan. 17.
- Engines, Valve for internal-combustion. F. A. Howard. 1,664,375; Mar. 27.
- Engines, Valve gear for internal-combustion. T. T. McUraith. 1,668,374; May 1.
- Engines, Valve mechanism for. J. P. Heinemann. 1,656,065; Jan. 10.
- Engines, Valve mechanism for internal-combustion. R. W. A. Brewer. 1,656,770; Jan. 17.

- Engines, Valve mechanism for steam. J. C. Bird. 1,661,154; Mar. 6.
- Engines, Water-circulating system for the cooling jackets of internal-combustion. V. P. Kill. 1,655,374; Jan. 3.
- Engines, Water-supplying means for internal-combustion. G. E. Krause. 1,668,158; May 1.
- Engraving block. H. Plummer. 1,665,819; Apr. 10.
- Engraving cutter head and depth gauge. F. B. Glover. 1,696,032; Dec. 18.
- Engraving machine. W. J. Donovan. 1,684,216; Sept. 11.
- Engraving machine. S. C. McKeown and C. C. Bruckner. 1,695,771; Dec. 18.
- Engraving machine. H. B. Scott and E. Warner. 1,674,484; June 19.
- Engraving machine. C. F. Williams. 1,692,103; Nov. 20.
- Engraving machine, Mold-. A. P. Jahant. 1,667,036; Apr. 24.
- Engraving machine, Ring-. A. A. Bush. 1,670,136; May 15.
- Engraving machines, Attachment for plateless. J. C. Coon. 1,659,243; Feb. 14.
- Engraving printing cylinders, Process of and apparatus for. A. and J. Teissère. 1,695,617; Dec. 18.
- Engraving process. R. N. Getches. 1,659,949; Feb. 21.
- Ensilage cutter. C. W. Keith. Re17,120; Oct. 30.
- Ensilage cutter. J. H. Mott. 1,663,720; Mar. 27.
- Ensilage distributor for silos, Automatic. H. A. Townsend. 1,691,683; Nov. 13.
- Entrainment-controlling mechanism for auxiliary motors. B. Haskell, jr. 1,679,719; Aug. 7.
- Envelope. E. F. Ahlquist. 1,662,913; Mar. 20.
- Envelope. E. F. Ahlquist. 1,682,458; Aug. 28.
- Envelope. P. Fort. 1,687,436; Oct. 9.
- Envelope. G. Harmonth. 1,669,750; May 15.
- Envelope. A. C. Herbert. 1,658,898; Feb. 14.
- Envelope. G. F. Hogan. 1,683,584; Sept. 4.
- Envelope. W. H. Hollar, jr. 1,667,253; Apr. 24.
- Envelope. L. Kalina. 1,680,946; Aug. 14.
- Envelope. O. J. Olm. 1,684,105; Sept. 11.
- Envelope. S. D. Rich. 1,655,242; Jan. 3.
- Envelope. L. E. Simpson. 1,668,985; May 8.
- Envelope. H. A. Wolf. 1,675,011; June 26.
- Envelope and assembly thereof. J. T. Williams. 1,675,289; June 26.
- Envelope and other article of paper. L. Medveczky. 1,692,219; Nov. 20.
- Envelope and separable handle thereof. H. A. Wolf. 1,675,439; July 3.
- Envelope, Band. L. A. Liebs. 1,693,791; Dec. 4.
- Envelope, Double. C. F. Backmyer. 1,662,843; Mar. 20.
- Envelope, Duplex. C. E. Cather. 1,666,957; Apr. 24.
- Envelope, Duplex. D. W. Snyder. 1,668,874; May 8.
- Envelope, Duplex. A. F. Torrance. 1,667,176; Apr. 24.
- Envelope, Express. E. G. Vallier. 1,657,729; Jan. 31.
- Envelope-feeding apparatus. L. Ciccone. 1,661,816; Mar. 6.
- Envelope-filling machine, Cushion-. A. Puglisi. 1,671,840; May 29.
- Envelope for keeping records. H. McNair and J. G. Greenwood. 1,655,912; Jan. 10.
- Envelope holder. M. A. Ashbrook. 1,659,509; Feb. 14.
- Envelope, Key. W. H. Hollar, jr., and W. G. Uhlman. 1,682,755; Sept. 4.
- Envelope, Locking-tongue. J. M. Alter. 1,670,647; May 22.
- Envelope machine. A. Novick. 1,691,027; Nov. 6.
- Envelope opener. L. W. Ender. 1,667,659; Apr. 24.
- Envelope opener. C. C. Gruhler. 1,661,423; Mar. 6.
- Envelope opener. C. P. Heck and J. R. Sater. 1,666,533; Apr. 17.
- Envelope, Safety. F. Bogaskie. 1,673,038; June 12.
- Envelope, Shirt. A. Ratcliff. 1,676,286; July 10.
- Envelope, Tension. C. P. Kleebauer and R. M. Lackey. 1,668,372; May 1.
- Envelopes and machine, Lining. H. J. Toepfert. 1,673,606; June 12.
- Enzymes for use in the manufacture of bread, Production of. H. A. Kohman, R. Irvin, and E. S. Stateler. 1,676,446; July 10.
- Equalizing-bar seat. I. A. Randel. 1,671,743; May 29.
- Equalizing means for multiple-collar bearings. J. F. Johnson. 1,677,093; July 10.
- Equalizing mechanism for four-wheel brakes. C. Lampre. 1,666,881; Apr. 17.
- Equalizing the load on a prime mover, System for. B. V. Nordberg. 1,671,121; May 29.
- Eraser. T. J. Madigan. 1,675,570; July 3.
- Eraser, Adjustable pencil. H. C. Zantow. 1,671,393; May 29.
- Eraser, Automatic. H. G. Coy. 1,661,111; Feb. 28.
- Eraser, cleaner. F. B. Meyers and H. W. Darney. 1,667,431; Apr. 24.
- Eraser holder, Adjustable. F. E. Randall. 1,662,474; Mar. 13.
- Eraser reel. J. Tirritter. 1,655,444; Jan. 10.
- Erasing device. M. A. Schmidt and C. E. Wunderlich. 1,690,134; Nov. 6.
- Erythrene, Manufacture of. A. T. Maximoff. 1,682,919; Sept. 4.
- Escalator. A. Radcliffe. 1,682,052; Aug. 28.
- Escape device for submarines. H. Brownlee. 1,686,892; Oct. 9.
- Escape device for sunken submarines. S. G. Harrington. 1,692,894; Nov. 27.
- Escapement-controlling mechanism. C. H. Beasley. 1,683,648; Sept. 11.
- Escutcheon. R. E. Bletcher and E. H. Bucknell. Des. 76,452; Oct. 2.
- Escutcheon and bearing, Latch-handle. L. Ottinger. Re17,072; Aug. 28.
- Escutcheon plate. E. B. Mallory. Des. 75,130; May 8.
- Escutcheon plate. J. B. Neal. 1,660,346; Feb. 28.
- Escutcheon plate. H. Pearce. Des. 75,583; June 19.
- Escutcheon plate. J. J. Punke. Des. 76,416; Sept. 25.
- Ester mixtures, Production of. W. Claassen. 1,656,883; Jan. 17.
- Esters for use as anesthetics and making same, Amino aromatic. E. Ritsert. 1,692,224; Nov. 20.
- Esters, Making. G. Barsky. 1,678,719; July 31.
- Esters, Manufacture of. W. J. Bannister. 1,695,449; Dec. 18.
- Esters of cholesterol with unsaturated acids. W. Minnich. 1,690,647; Nov. 6.
- Esters produced from organic halides and producing the same. E. E. Ayres, jr., and E. H. Haabestad. 1,691,425; Nov. 13.
- Etching printing plates and composition of matter for use in connection therewith. F. Tutzschke. 1,660,366; Feb. 28.
- Etching solution. J. W. Sauer. 1,681,499; Aug. 21.
- Ether and making same, Cellulose. L. Lilienfeld. 1,683,831; Sept. 11.
- Ethers and alkali cellulose, Making cellulose. L. Lilienfeld. 1,683,681; Sept. 11.
- Ethers, Making ethylene glycol monoalkyl. C. O. Young. 1,696,874; Dec. 25.
- Ethyl-alcohol substitute and making same. R. M. Isham. 1,692,662; Nov. 20.
- Ethylidene diacetate, Preparation of. M. J. L. Ledru and E. J. Bachmann. 1,672,646; June 5.
- Evaporator for drier drums, Water. W. H. Millsbaugh. 1,693,934; Dec. 4.
- Evaporating and distilling, Method of and apparatus for. J. S. Forbes. 1,666,777; Apr. 17.
- Evaporating apparatus. E. Pokorny. 1,677,987; July 24.
- Evaporating brines. G. B. Burnham. 1,696,542; Dec. 25.
- Evaporating unit for refrigerating systems. H. Streeter. 1,669,918; May 15.
- Evaporation, Recovering values by. H. W. Carr. 1,694,841; Dec. 11.
- Evaporator and method of operation. C. F. Braun. 1,662,142; Mar. 13.
- Evaporator for refrigerating apparatus. L. Bruehl. 1,688,377; Oct. 23.
- Evaporator for refrigerating apparatus. S. Otto and L. Bruehl. 1,681,254; Aug. 21.
- Evaporator protector. C. W. Schedler. 1,664,133; Mar. 27.
- Evener. M. W. Lucas. 1,667,790; May 1.
- Evening and grading machine. G. L. Smith. 1,664,645; Apr. 3.
- Eviscerating apparatus, Entrail-collecting means for. J. A. Gray. 1,689,670; Oct. 30.
- Excavating and conveying apparatus. J. L. Potter. 1,664,184; Mar. 27.
- Excavating and producing foundations. G. B. Sipe. 1,665,797; Apr. 10.
- Excavating apparatus, Well. A. P. Schnyder. 1,662,904; Mar. 20.
- Excavating device. B. P. Crittenden and A. C. Killinger. 1,680,322; Aug. 14.
- Excavating machine. A. T. Hansen. 1,658,717; Feb. 7.
- Excavating machine. O. Hetlesater. 1,667,381; Apr. 24.
- Excavating mechanism. L. R. Russell. 1,679,879; Aug. 7.
- Excavating postholes. H. Flansburg. 1,674,392; June 19.
- Excavating shovel. J. W. Page. 1,664,940; Apr. 3.
- Excavator: See—
Drag-line excavator.
- Excavator. B. C. Clutter. 1,682,774; Sept. 4.
- Excavator. R. Lair. 1,680,555; Aug. 14.
- Excavator, Acid-phosphate hot-den. F. M. Wever. 1,675,871; July 3.
- Excavator-boom structure, Laterally-adjustable. G. A. Vaughn. 1,689,981; Oct. 30.
- Excavator buckets, Operating mechanism for. L. P. Clutter. Re16,998; June 19.
- Excavator lip with integral teeth. T. Ratkowski. 1,690,835; Nov. 6.
- Excavator tooth, Replaceable-point. T. Ratkowski. 1,690,834; Nov. 6.
- Exchange of heat, Apparatus for. V. Mauck. 1,667,430; Apr. 24.
- Exchange reactions, Process involving. E. B. Higgins. 1,671,864; May 29.
- Exercise cushion. A. W. Brand. 1,668,489; May 1.
- Exerciser. H. W. Titus. 1,669,499; May 15.
- Exerciser. R. W. Wood. 1,686,890; Oct. 9.
- Exerciser and blood circulator. G. S. Smallwood. 1,663,641; Mar. 27.
- Exerciser, Foot and leg. A. R. Anderson. 1,671,096; May 29.
- Exercising apparatus. P. Pezuto. 1,660,234; Feb. 21.
- Exercising device. L. J. Crum. 1,664,664; Apr. 3.
- Exercising device. W. C. Mills. 1,669,063; May 8.
- Exercising device. J. M. Thomson. 1,686,423; Oct. 2.
- Exercising device. W. H. Titus. 1,691,092; Nov. 13.

- Exercising machine. W. Stuebling, jr. 1,691,900; Nov. 13.
- Exercising machine, Finger-. J. V. Jugo. 1,688,188; Oct. 16.
- Exercising plaything. I. A. Shanton. 1,677,532; July 17.
- Exhaust and intake manifold, Combination. W. E. Kemp. 1,663,634; Mar. 27.
- Exhaust for drying cylinders and such like, Condensation. P. O. T. Sylwan. 1,664,907; Apr. 3.
- Exhaust machine. J. M. van der Poel. 1,676,302; July 10.
- Exhaust silencer. W. H. G. Furnivall, D. B. McLaren, and E. J. Laschinger. 1,666,257; Apr. 17.
- Exhaust tank. F. P. Uhrig. 1,656,129; Jan. 10.
- Exhaust trap. A. J. Culp. 1,666,005; Apr. 10.
- Exhaust trap and valve therefor. A. J. Culp. 1,673,619; June 12.
- Exhaust-treating apparatus for steam-power plants. A. J. Armonson. 1,671,503; May 29.
- Exhaust-tube remover. L. A. Maurer. 1,667,601; Apr. 24.
- Exhaust ventilator. P. R. Jordan. 1,688,082; Oct. 16.
- Exhausting vacuum-tube-lamp envelopes, Method and apparatus for. R. C. Smalley. 1,679,383; Aug. 7.
- Exhibiting apparatus or amusement device. A. V. Warren. 1,679,755; Aug. 7.
- Exhibitor, Changeable. L. V. Aronson. 1,664,962; Apr. 3.
- Exhibitor, Changeable. W. C. Martin. 1,691,551; Nov. 13.
- Expander, Flaring. G. R. Maupin. 1,680,798; Aug. 14.
- Expander for sealing rings. D. M. Solenberger. 1,694,566; Dec. 11.
- Expandible and contractible element and mounting therefor. I. E. McCabe. 1,687,842; Oct. 16.
- Expandible brake. E. W. Hareluk. 1,680,986; Aug. 14.
- Expandible collapsible element. G. B. Duffield. 1,661,131; Feb. 28.
- Expandible-collapsible element. H. C. Mallory. 1,659,038; Feb. 14.
- Expansion bar. F. Leopold, jr., and R. J. Limbert. 1,673,878; June 19.
- Expansion engine, Auto triple-. E. Norberg. 1,671,838; May 29.
- Expansion gauge, Micrometer. G. A. Eisele. 1,656,180; Jan. 17.
- Expansion joint. E. B. Cowen. 1,654,793; Jan. 3.
- Expansion joint. L. R. Crouch. 1,670,023; May 15.
- Expansion joint. A. C. Fischer. 1,662,567; Mar. 13.
- Expansion joint. A. C. Fischer. 1,683,881; Sept. 11.
- Expansion joint. A. C. Fischer. 1,689,945; Oct. 30.
- Expansion joint. A. C. Fischer. 1,691,234; Nov. 13.
- Expansion joint. A. C. Fischer. 1,694,212; Dec. 4.
- Expansion joint. C. A. Fraley. 1,696,435; Dec. 25.
- Expansion joint. G. F. Murphy. 1,671,308; May 29.
- Expansion joint. R. C. Scott. 1,672,693; June 5.
- Expansion-joint material. C. J. Pater. 1,665,718; Apr. 10.
- Expansion means for furnaces. M. M. Rote. 1,692,576; Nov. 20.
- Expelling and clarifying process and apparatus, Continuous. F. W. Manning. 1,686,096; Oct. 2.
- Expelling and clarifying process, Continuous. F. W. Manning. 1,886,095; Oct. 2.
- Exploring subterranean strata, Method and apparatus for. T. Zuschlag. 1,676,847; July 10.
- Explosion motor. O. A. Donath. 1,693,073; Nov. 27.
- Explosions, Preventing. H. C. P. Weber. 1,686,051; Oct. 2.
- Explosive. F. H. Bergeim. 1,691,955; Nov. 20.
- Explosive. A. C. Scott. 1,695,932; Dec. 18.
- Explosive and producing the same, Cyano-nitrate. F. H. Bergeim. 1,685,771; Oct. 2.
- Explosive, Blasting. B. I. Stoops. 1,671,793; May 29.
- Explosive, Commercial blasting. R. A. Long. 1,689,674; Oct. 30.
- Explosive composition. W. O. Snelling and G. A. Rupp. 1,659,449; Feb. 14.
- Explosive composition, Gelatinized. K. R. Brown. 1,686,952; Oct. 9.
- Explosive engine. A. Howard. 1,659,144; Feb. 14.
- Explosive mechanism, Automatic. B. Ranzan. 1,688,986; Oct. 23.
- Explosive mixtures to internal-combustion engines, Distributing. E. L. Waybrant. 1,664,869; Apr. 3.
- Explosive package and carrier. F. Ries. 1,664,899; Apr. 3.
- Explosives, Casting. H. H. Olmstead. 1,670,689; May 22.
- Exposure device and a container for sensitized material, Combination. L. D. Field. 1,658,234; Feb. 7.
- Exposure meter. E. Mayer. 1,662,156; Mar. 13.
- Expressing machine. V. Lorcak. 1,670,894; May 22.
- Extendible device with power indicator for physical culture. L. Meyer. 1,680,901; Aug. 14.
- Extension cord. H. H. Frost. 1,655,263; Jan. 3.
- Extension for fly swatters. F. Lombard. 1,694,069; Dec. 4.
- Extension staging, Multiple-unit single-control. M. Kirsch. 1,692,664; Nov. 20.
- Extension table. J. Bader. 1,664,343; Mar. 27.
- Extension table. J. Bellochio. 1,667,411; Apr. 24.
- Extension table. L. Cleveland. 1,680,664; Aug. 14.
- Extension table. H. C. Hanson. 1,676,025; July 3.
- Extension table. L. J. Hill. 1,684,831; Sept. 18.
- Extension table. H. J. Schneider. 1,671,655; May 29.
- Extension table. H. Wittek. 1,657,706; Jan. 31.
- Extension table. D. Zork. 1,665,833; Apr. 10.
- Exterminating device for rats, squirrels, and other pests. J. H. Brophy. 1,678,178; July 24.
- Exterminator, Roach. T. Gaskins, jr. 1,616,949; May 1.
- Exterminator, Weed. M. F. Moran. 1,696,856; Dec. 25.
- Extinguisher and tray. Butt. H. Rue. 1,678,406; July 24.
- Extinguisher, Fire. C. W. Dake. 1,682,833; Sept. 4.
- Extinguisher, Fire. E. F. Delfeo. 1,679,207; July 31.
- Extinguisher, Fire. D. Fasul. 1,679,243; July 31.
- Extinguishing fire, Apparatus for. C. Szilvay. 1,677,875; July 17.
- Extract, Making liquid coffee. F. L. Slocum and W. E. Troutman. 1,687,112; Oct. 9.
- Extracting coloring matter from henna leaves and improved plant therefor. C. Pollacchi. 1,668,603; May 8.
- Extracting gas and oil from waste, Apparatus for. A. Naert. 1,693,456; Nov. 27.
- Extracting metallic nickel. A. Baghdasarian. 1,671,004; May 22.
- Extracting the nonsaponifiable difficultly-saponifiable matter from fatty material. J. K. Marcus. 1,690,091; Oct. 30.
- Extracting the oily bases from crude shale oil. D. T. Day. 1,685,315; Sept. 25.
- Extracting rosin and turpentine from wood. A. A. Shimer. 1,696,696; Dec. 25.
- Extraction of butyric acid and its homologues. J. Le-franc. 1,683,198; Sept. 4.
- Extraction of cellulose or paper pulp from fibrous vegetable matter containing the same. E. Spencer. 1,690,954; Nov. 6.
- Extraction of krypton and xenon from air. A. J. A. Blaringhem. 1,670,014; May 15.
- Extraction of water, oil, and fatty matter from solid material, Apparatus for. J. R. Sterling. 1,694,361; Dec. 4.
- Extractor: See—
- Battery-element extractor. Juice extractor.
 - Cap extractor. Milk-top extractor.
 - Centrifugal extractor. Oil extractor.
 - Door extractor. Pipe extractor.
 - Dust extractor. Roller vacuum extractor.
 - Grease extractor. Tap extractor.
 - Honey extractor. Tooth extractor.
 - Hull extractor. Vapor extractor.
- Extractor. L. A. Corkum. 1,673,397; June 12.
- Extractor and dilator, Ureteral stone. W. A. Council. 1,677,671; July 17.
- Extractor for forging machines, Pin. F. A. Halleck. 1,692,264; Nov. 20.
- Extractor for removing bushings and the like. E. L. Fowler. 1,688,460; Oct. 23.
- Extractor mechanism for bolt-action firearms. L. H. Page. 1,672,540; June 5.
- Extracts, infusions, decoctions, and the like, Apparatus for use in making. L. M. Pouget. 1,677,077; Sept. 4.
- Extrusion machine. W. H. Hartman. 1,662,112; Mar. 13.
- Extrusion press. A. Born. 1,661,594; Mar. 6.
- Extrusion press. A. Born. 1,663,331; Mar. 20.
- Extrusion press. A. Born. 1,670,336; May 22.
- Eye carrier and eyelid for dolls' eyes. H. Wiegand. 1,670,999; May 22.
- Eye fatigue, Preventing. A. B. Hurley. 1,659,952; Feb. 21.
- Eyeglass case. C. G. Aldrich. 1,682,719; Aug. 28.
- Eyeglass frame. S. E. Bouchard. Des. 76,602; Oct. 16.
- Eyeglass frame. E. Giglio. Des. 74,365; Feb. 7.
- Eyeglass frame. F. McFadden. Des. 75,804; July 17.
- Eyeglass frame. I. M. Schwab. 1,654,996; Jan. 3.
- Eyeglass frame. J. J. Smith. 1,690,139; Nov. 6.
- Eyeglasses. C. W. Cutler. 1,676,819; July 10.
- Eyeglasses. J. Gaspari. Des. 74,879; Apr. 10.
- Eyeglasses. J. Gaspari. Des. 75,421; June 5.
- Eyeglasses. A. Lemay. 1,666,826; Apr. 17.
- Eyeglasses, Folding. C. R. Laubscher. 1,663,053; Mar. 20.
- Eyeglasses, Nose bridge for. J. J. Pomeranz. Des. 76,150; Aug. 21.
- Eyeglasses, Oxford. H. Higham. 1,681,038; Aug. 14.
- Eyeglasses, Setting for. A. H. L. Christensen. 1,686,516; Oct. 9.
- Eyelash applicator. E. C. Bunnell. 1,666,116; Apr. 17.
- Eye mounting for dolls. L. J. Grubman. 1,691,437-8; Nov. 13.
- Eye protection and practicing same. A. B. Hurley. 1,659,734; Feb. 21.
- Eye protector. S. Lacasse. 1,674,728; June 26.
- Eye protector. G. A. Peterson. 1,657,899; Jan. 31.
- Eye protector. G. L. Tully. 1,660,587; Feb. 28.
- Eye protector for vehicle drivers. J. R. Gales. 1,660,993; Feb. 28.
- Eye, Schematic. E. D. Tillyer. 1,671,911; May 29.
- Eye shade. A. R. Tallman and W. C. Tanksley. 1,660,896; Feb. 28.
- Eye shade. L. Wood. 1,659,229; Feb. 14.
- Eyeshield. P. E. Dutcher. 1,669,043; May 8.
- Eye shield for motorists. F. W. Magee. 1,659,324; Feb. 14.
- Eye structure. A. B. Chance. 1,657,297; Jan. 24.
- Eye tape. A. Bevel. 1,667,921; May 1.
- Eye-testing apparatus, Holding device for an. B. Graves. 1,671,152; May 29.
- Eye-testing device. J. C. W. Beall. 1,662,054; Mar. 13.
- Eye-testing device. J. W. Smith. 1,669,916; May 15.
- Eye-treating apparatus. De F. B. Catlin. 1,684,860; Sept. 18.

- Eyeletting machine. J. W. Barna and N. A. Thomas. 1,690,521; Nov. 6.
- Eyeletting machine. W. F. Lautenschlager. 1,689,949; Oct. 30.
- Eyelets, Device for setting invisible. F. S. Glines. 1,676,647; July 10.
- Eyelets, Making. E. L. Sibley. 1,675,913; July 3.
- Eyes for dolls, display figures, and the like, Artificial. S. Marcus. 1,687,478; Oct. 9.
- Fabric: See
- Bed-bottom fabric. Splicing fabric.
- Cord fabric. Split fabric.
- Curvilinear fabric. Structure fabric.
- Elastic fabric. Textile fabric.
- Gas-cell fabric. Upholstery fabric.
- Gauze fabric. Warp knit fabric.
- Hemstitched fabric. Washable fabric.
- Knitted fabric. Waterproof fabric.
- Paper fabric. Weftless fabric.
- Pile fabric. Wire fabric.
- Fabric. L. B. Chisholm. 1,666,686; Apr. 17.
- Fabric and its manufacture, Woven. E. I. Golding. 1,655,387; Jan. 3.
- Fabric and making it, Laminated. D. de Góncz and A. S. Jones. 1,661,880; Mar. 6.
- Fabric and making same, Coated. W. O. Stoddard, jr. 1,664,866; Apr. 3.
- Fabric and making same, Differential colored. C. Dreyfus and H. Platt. 1,689,426; Oct. 30.
- Fabric and making the same, Impregnated. H. E. Brown and J. H. Stover. 1,680,497; Aug. 14.
- Fabric and making the same, Knitted. F. Bacon and H. D. Troop. 1,672,873; June 12.
- Fabric and method of and apparatus for ornamentation, Ornamented. J. Chaloupka. 1,657,067; Jan. 24.
- Fabric and producing same, Figured. G. Heberlein. 1,667,892; May 1.
- Fabric and treating same. C. M. Carson. 1,683,759; Sept. 11.
- Fabric and treating same. D. E. Hennessy. 1,691,605; Nov. 13.
- Fabric and weaving it, Elastic woven. A. Laurain. 1,670,366; May 22.
- Fabric by combined knitting and weaving, Producing a. F. H. Peuckert. 1,692,567; Nov. 20.
- Fabric-cutting apparatus. W. Berry. 1,659,453; Feb. 14.
- Fabric drier. T. Allsop and W. W. Sibson. Fabric drier. 1,680,322; Aug. 14.
- Fabric edges, Trimming and folding. G. Schuler. 1,657,687; Jan. 31.
- Fabric-expanding roller. H. Weiss-Oeschger. 1,668,994; May 8.
- Fabric frame and fabric-mounting apparatus for embroidery machines. P. O. Mothes. 1,693,562; Nov. 27.
- Fabric grip. T. G. Brady and C. Nelkin. 1,683,125; Sept. 4.
- Fabric handling. D. E. Hennessy. 1,683,777; Sept. 11.
- Fabric made of scrap felt or other plant material. L. Origone. 1,679,738; Aug. 7.
- Fabric making. A. Bodmer. 1,688,798-9; Oct. 23.
- Fabric, Method and apparatus for making weftless. M. Castriem. 1,657,818; Jan. 31.
- Fabric, Method and apparatus for the rubberizing of. W. W. Benner and E. A. Hoener. 1,658,366; Feb. 7.
- Fabric or similar article of manufacture, Textile. A. J. Heinke. Des. 75,866; May 29.
- Fabric or the like, Printed textile. E. Ericson. Des. 76,526-7; Oct. 9.
- Fabric or the like, Printed textile. L. J. Siracusano. Des. 76,558; Oct. 9.
- Fabric, Pile. H. P. Dick. Des. 75,722; July 10.
- Fabric puffer. H. L. Watkins and L. J. Eveland. 1,677,573; July 17.
- Fabric roll. R. S. Oliver. 1,668,084; May 1.
- Fabric strips from cutting machines, Apparatus for removing. H. F. Maranville. 1,675,984; July 3.
- Fabric structure. R. D. Bradbury. 1,668,935; May 8.
- Fabric support and brace, Combined. B. F. Lindsley. 1,659,778; Feb. 21.
- Fabrics, Apparatus for treating. E. J. Carroll. 1,675,160; June 26.
- Fabrics, Apparatus for treating printed or dyed. R. W. Jacoby. 1,663,846; Mar. 27.
- Fabrics, Creping silk. J. Payet. 1,668,694; May 8.
- Fabrics, Making impregnated. S. Brown. 1,673,797; June 19.
- Fabrics, Manufacture of colored pile. G. E. Shipway. 1,676,931; July 10.
- Fabrics, Method and apparatus for coating. R. S. Allen. 1,667,408; Apr. 24.
- Fabrics, Method of and machine for making plated. A. E. Page. 1,680,063; Aug. 7.
- Fabrics on circular-knitting frames, Apparatus for the manufacture of fancy knitted. G. Nigra. 1,670,208; May 15.
- Fabrics, Process and apparatus for treating. A. Willheim. 1,682,453; Aug. 28.
- Fabrics, Treating. J. H. Hamilton. 1,672,719; June 5.
- Fabrics, Treating printed or dyed. R. W. Jacoby. 1,663,845; Mar. 27.
- Fabrics, Treatment of cellulosic. D. de Góncz and A. S. Jones. 1,661,881; Mar. 6.
- Fabrics, Weaving mohair. F. M. Kaufman. 1,656,735; Jan. 17.
- Fabrication of metallic thorium. W. B. Gero. 1,685,915; Oct. 2.
- Face lifter. S. F. Brundidge. 1,674,541; June 19.
- Face plate. J. Curin. Des. 77,221; Dec. 18.
- Face plates, Attachment of. F. J. Kristofek. 1,693,846; Dec. 4.
- Face-spraying device. M. Landberg. 1,665,744; Apr. 10.
- Facet tooth. H. Stahl. 1,679,884; Aug. 7.
- Facial appliance. L. Witherspoon. 1,668,794; May 8.
- Facial bleach pack. M. E. Hall. 1,668,502; May 1.
- Facial treatment method and means. W. Meyer. 1,660,041; Feb. 21.
- Facing and assembling machine. G. Smith. 1,667,955; May 1.
- Facing and manufacturing same, Endless. E. E. Waite. 1,671,944; May 29.
- Facing and stacking machine. G. Smith. 1,667,956; May 1.
- Facsimile-producing system. R. H. Ranger. 1,656,338; Jan. 17.
- Faller bar for gill-drawing frames. W. Holdsworth. 1,673,408; June 12.
- Fan. H. G. Herion. 1,682,044; Aug. 28.
- Fan. C. O. Johnson. 1,668,408; May 1.
- Fan and heater, Electric. J. E. and T. E. Clark. 1,687,544; Oct. 16.
- Fan attachment for sewing machines. D. Shpater. 1,684,601; Sept. 18.
- Fan, Automatically-oscillating electric. J. F. Lister and H. W. Smallwood. 1,684,325; Sept. 11.
- Fan blower. W. O. Lum. 1,657,758; Jan. 31.
- Fan, Centrifugal. G. T. Houghtby. 1,673,073; June 12.
- Fan, Centrifugal. J. Mursch and C. F. Schutte. 1,688,345; Oct. 23.
- Fan, Centrifugal. J. A. Watkins. 1,691,319; Nov. 13.
- Fan, Coin-controlled. M. L. Haney. 1,696,231-2; Dec. 25.
- Fan, Combination. C. A. Connors. 1,677,888; July 24.
- Fan construction, Generator-. W. B. Jupp. 1,692,376; Nov. 20.
- Fan, Electric. W. H. Ginder. Des. 75,485; June 12.
- Fan, Electric. W. H. Ginder. Des. 76,012; Aug. 14.
- Fan, Electric. S. Good. 1,694,317; Dec. 4.
- Fan, Electric. H. Hubbell, jr. Des. 75,795; July 17.
- Fan, Electric. S. A. Xippas. 1,695,002; Dec. 11.
- Fan, Engine-cooling. P. V. Hansen. 1,685,323; Sept. 25.
- Fan, Folding. F. H. Klie. 1,655,229; Jan. 3.
- Fan hanger, Ceiling-. B. C. Rettig. 1,684,144; Sept. 11.
- Fanlights and the like, Operating means for. F. Bird. 1,695,755; Dec. 18.
- Fan, Oscillating. H. R. Stuart. 1,668,989; May 8.
- Fan, Oscillating. H. R. Stuart. 1,676,467; July 10.
- Fan, Portable. W. H. Ginder. 1,694,214; Dec. 4.
- Fan, Revolving. D. M. Winters. 1,670,056; May 15.
- Fan, Revolving and oscillating. J. F. Smith, jr. 1,659,501; Feb. 14.
- Fan, Rotary. G. V. Willits. 1,657,983; Jan. 31.
- Fan, Spring-driven. F. J. Sirl. 1,687,996; Oct. 16.
- Fan, Spring-operated. D. A. Lee. 1,659,492; Feb. 14.
- Fan, Ventilating. J. D. Parker. 1,664,183; Mar. 27.
- Fans and the like, Blade for propellers, ventilating. A. Cervol. 1,661,921; Mar. 6.
- Fans and the like, Hanging means for electric. F. C. De Reamer. 1,685,669; Sept. 25.
- Fans, Variable-speed drive for exhaust. F. G. Sargent. 1,666,917; Apr. 24.
- Fare box. S. J. Bell. 1,669,967; May 15.
- Fare box. E. H. Thompson and H. J. Baur. 1,658,065; Feb. 7.
- Fare indicator. L. Kern. 1,685,589; Sept. 25.
- Fare indicator. P. Riegger. 1,676,375; June 12.
- Fare indicator. P. Riegger. 1,678,480; July 24.
- Fare register. W. M. Hoffman. 1,682,126; Aug. 28.
- Fare register. W. S. Johnson. 1,653,649-50; Jan. 10.
- Fare register. S. Madsen. 1,660,799; Feb. 28.
- Fare register. J. F. Ohmer and C. W. Kettelman. 1,668,024; May 1.
- Farinaceous rolls, Making tubular. C. R. Haskell. 1,679,660; Aug. 7.
- Farm gate. M. G. and F. L. McCorkel. 1,662,318; Mar. 13.
- Farm gate. P. N. Swanson. 1,668,344; May 1.
- Farm gate. H. W. Thompson. 1,667,334; Apr. 24.
- Farming apparatus, Power. H. A. Bechtelheimer and H. P. Corbin. 1,683,017; Sept. 4.
- Farnesol, Manufacture of. L. Ruzicka. 1,663,817-S; Mar. 27.
- Fastener. A. B. Allen. 1,696,467; Dec. 25.
- Fastener. J. C. Anderegg. 1,669,922; May 15.
- Fastener. K. F. Berthold. 1,669,279; May 8.
- Fastener. J. F. Carpmill. 1,659,480; Feb. 14.
- Fastener. F. S. Carr. 1,656,035-7; Jan. 10.
- Fastener. F. S. Carr. 1,656,040; Jan. 10.
- Fastener. F. S. Carr. 1,660,432; Feb. 28.
- Fastener. F. S. Carr. 1,663,240; Mar. 20.
- Fastener. F. S. Carr. 1,664,351; Mar. 27.
- Fastener. F. S. Carr. 1,670,279-82; May 15.
- Fastener. F. S. Carr. 1,675,787-92; July 3.
- Fastener. F. S. Carr. 1,676,382; July 10.
- Fastener. F. S. Carr. 1,677,097; July 10.
- Fastener. F. S. Carr. 1,677,858; July 17.
- Fastener. F. S. Carr. 1,685,063; Sept. 18.
- Fastener. F. S. Carr. 1,690,662-3; Nov. 6.
- Fastener. M. F. Carr. 1,680,244; Aug. 7.
- Fastener. D. Dyresen. 1,675,097; June 26.

- Fastener. R. E. Frey. 1,661,251; Mar. 6.
 Fastener. G. A. Holmes. 1,669,415; May 15.
 Fastener. W. M. Hunter. 1,665,303; Apr. 10.
 Fastener. G. Johnson. 1,693,514; Nov. 27.
 Fastener. F. J. Kline. 1,658,052; Feb. 7.
 Fastener. A. L. Knapp. 1,661,537; Mar. 6.
 Fastener. W. Marshall. 1,664,566; Apr. 3.
 Fastener. C. H. Mensch. 1,689,150; Oct. 23.
 Fastener. W. H. Pierce. 1,677,869-70; July 17.
 Fastener. B. C. Place. 1,679,266; July 31.
 Fastener. G. E. Prentice. 1,677,408; July 17.
 Fastener. H. Rosenberg. 1,686,468; Oct. 2.
 Fastener. V. Vogel. 1,693,913; Dec. 4.
 Fastener. E. Vosburg. 1,691,833; Nov. 13.
 Fastener. J. Waldes. 1,664,582; Apr. 3.
 Fastener. H. A. Widner. 1,667,644; Apr. 24.
 Fastener, All-wire-pin. G. A. King. 1,690,074; Oct. 30.
 Fastener and alarm. Combined door. A. Zukor. 1,683,854; Sept. 11.
 Fastener and alarm. Combined door. A. Zukor and H. Irmscher. 1,695,077; Dec. 11.
 Fastener and glass retainer. Closure. T. J. Corcoran. 1,677,074; July 10.
 Fastener and the like. Casement-window. J. S. and S. P. Williams. 1,673,611; June 12.
 Fastener-applying device. W. Hughes. 1,677,968; July 24.
 Fastener. Asphalt-shingle. H. and J. Fulenwider. 1,661,067; Feb. 28.
 Fastener. Automatic. J. Galat. 1,680,266; Aug. 7.
 Fastener. Automatic roller. J. J. Morrow. 1,655,915; Jan. 10.
 Fastener. Automobile curtain. H. A. Borresen. 1,660,473; Feb. 28.
 Fastener. Bag. W. C. Hering. 1,677,137; July 17.
 Fastener. Bag. W. C. Hering. 1,683,074; Sept. 4.
 Fastener. Bag. B. Stember. Des. 76,646; Oct. 16.
 Fastener. Bag. B. Stember. 1,677,154; July 17.
 Fastener. Bag-frame. W. C. Hering. Des. 74,301; Jan. 24.
 Fastener. Bag-frame. J. Warburg. 1,694,152; Dec. 4.
 Fastener. Bandage. K. H. Itzerott. 1,691,810; Nov. 13.
 Fastener. Belt. M. B. Henry and A. L. Cadenhead. 1,684,271; Sept. 11.
 Fastener. Belt. J. Lorents. 1,659,883; Feb. 21.
 Fastener. Belt. P. B. Reeves. 1,671,048; May 22.
 Fastener. Blanket. H. Siegel. Des. 74,282; Jan. 17.
 Fastener. Box-cover. E. B. Kopitz. 1,682,010; Aug. 28.
 Fastener. Burglarproof sash. W. E. Ward. 1,691,318; Nov. 13.
 Fastener. Button. C. H. Miller. 1,693,310; Nov. 27.
 Fastener. Cap. R. Busey. 1,692,719; Nov. 20.
 Fastener. Carpet and rug. W. Kernochan. 1,667,937; May 1.
 Fastener. Chain. J. B. Davidson. 1,656,776; Jan. 17.
 Fastener. Chain. C. C. Dibble. 1,654,583; Jan. 3.
 Fastener. Chain. E. Eckroat. 1,681,526; Aug. 21.
 Fastener. Chain. T. Negier. 1,672,078; June 5.
 Fastener. Chain. J. L. Payton. 1,678,575; July 24.
 Fastener. Chain. C. M. Power. 1,680,475; Aug. 14.
 Fastener. Chain. L. B. Thompson. 1,664,760; Apr. 3.
 Fastener. Closure. M. Frank and H. and E. R. Zimmerman. 1,673,189; June 12.
 Fastener. Closure. C. E. Jones and D. A. Whoolery. 1,662,501; Mar. 13.
 Fastener. Closure. E. A. Kuen. 1,660,170; Feb. 21.
 Fastener. Closure. F. Netschert. 1,674,409; June 19.
 Fastener. Collar. E. B. Newell. 1,695,815; Dec. 18.
 Fastener. Combination. J. H. Maurer. 1,664,696; Apr. 3.
 Fastener-conducting mechanism. E. R. Pope. 1,661,302; Mar. 6.
 Fastener covering and making same. C. E. Bradley and G. L. Van Dinter. 1,693,835; Dec. 4.
 Fastener-covering method and means. C. E. Bradley and G. L. Van Dinter. 1,693,805; Dec. 4.
 Fastener. Crate or basket top. W. E. Hatch. 1,656,945; Jan. 24.
 Fastener. Cuff. P. L. Markey. 1,667,791; May 1.
 Fastener. Cuff. P. L. Markey. 1,670,588; May 22.
 Fastener. Curtain. H. Dusold. 1,687,284; Oct. 9.
 Fastener. Curtain. J. Vodicka. 1,663,673; Mar. 27.
 Fastener. Door. O. W. Hooppaw and C. A. Rinehart. 1,671,289; May 29.
 Fastener. Door. J. M. Knight. 1,676,335; July 10.
 Fastener. Door. S. J. Strid. Rel. 987; June 5.
 Fastener. Door. J. G. Thorne. 1,677,060; July 10.
 Fastener. Door. F. J. Watkinson. 1,684,814; Sept. 18.
 Fastener. Double-pointed-pin. G. Boden and G. A. King. Rel. 7100; Oct. 9.
 Fastener. Double-pointed-pin. G. Boden, G. A. King, and L. B. Chapman. Rel. 7099; Oct. 9.
 Fastener. Drawer. B. M. Holden. 1,695,896; Dec. 18.
 Fastener. End-gate. S. C. Highers. 1,688,543; Oct. 23.
 Fastener. End-gate. C. Hunt. 1,681,856; Aug. 21.
 Fastener. End-gate. N. G. Morgan. 1,661,259; Mar. 6.
 Fastener. Flexible seam. D. Heller. 1,694,915; Dec. 11.
 Fastener for bag frames. B. Blacher. 1,695,706; Dec. 18.
 Fastener for barbers' aprons. G. L. Pope and A. Cohen. 1,638,880; Oct. 23.
 Fastener for beds. Side-rail. P. M. Howse. 1,695,961-2; Dec. 18.
 Fastener for bracelet links. N. T. Nelson. 1,669,571; May 15.
 Fastener for conveyers. Belt. E. C. Morgan. 1,693,041; Nov. 27.
 Fastener for cowl and the like for aircraft and other structures. V. Hagger. 1,671,241; May 29.
 Fastener for crates. J. O. Turner. 1,692,596; Nov. 20.
 Fastener for doors, panels, and the like. H. Suck. 1,694,023; Dec. 4.
 Fastener for glass plates. W. La Hodny and F. X. Kibitz. 1,688,425; Oct. 23.
 Fastener for hinged structures. Adjustable. J. S. Williams. 1,680,965; Aug. 14.
 Fastener for roofing sheets. D. R. Bard. 1,692,401; Nov. 20.
 Fastener for safety calk webs. M. I. Karn. 1,683,041; Sept. 4.
 Fastener for sleeve bands. W. McMeans. 1,662,074; Mar. 13.
 Fastener for sliding doors. D. Vining. 1,696,021; Dec. 18.
 Fastener for the mouth frames of hand bags. C. J. G. Schwarz. 1,693,056; Nov. 27.
 Fastener for tire chains. F. A. Calkins. 1,664,158; Mar. 27.
 Fastener for ventilators. G. I. Barclay. 1,687,263; Oct. 9.
 Fastener, French-window and door casement. B. E. Bartholomew. 1,679,955; Aug. 7.
 Fastener. Garment. G. J. Kromer. 1,695,592; Dec. 18.
 Fastener-head cover. J. Berge. 1,673,486; June 12.
 Fastener. Hinged double-pin locking. G. A. King. 1,674,598; June 19.
 Fastener. Hinged pin. G. Boden and G. A. King. 1,691,880; Nov. 13.
 Fastener. Hinged pin. G. A. King. 1,692,778; Nov. 20.
 Fastener. Hood. J. Henson. 1,667,732; May 1.
 Fastener-inserting machine. M. N. Bray. 1,683,652; Sept. 11.
 Fastener-inserting machine. P. R. Glass. 1,678,904; July 31.
 Fastener-inserting machine. H. R. Hamilton. 1,663,593; Mar. 27.
 Fastener-inserting machine. F. A. Rumney. 1,678,877; July 31.
 Fastener. Inside safety door. E. H. Stoutenburgh. 1,671,454; May 29.
 Fastener. Lady's shoulder-strap. M. Andrews. 1,670,834; May 22.
 Fastener. Lamp-closure. L. F. Erhart. 1,660,120; Feb. 21.
 Fastener means for garters, Female-. L. Roseman. 1,671,317; May 29.
 Fastener means, Garment-. L. Roseman. 1,677,903; July 24.
 Fastener. Mop-handle. J. W. Doty. 1,656,177; Jan. 17.
 Fastener mounting, Clothes-. I. H. Smith. 1,668,519; May 1.
 Fastener or clip, Paper. J. N. Cameron. 1,661,165; Mar. 6.
 Fastener or staple. T. A. Briggs. 1,671,695; May 29.
 Fastener. Package and envelope. A. Formoso. 1,674,101; June 19.
 Fastener. Paper. G. H. Ennis. 1,688,536; Oct. 23.
 Fastener. Paper. R. H. Smickle. 1,666,356; Apr. 17.
 Fastener. Paper-marker. M. Budny. 1,667,241; Apr. 24.
 Fastener. Piano-bridle-strap. T. J. Malcolm. 1,685,001; Sept. 18.
 Fastener. Press-button. E. Nerzinger. 1,661,616; Mar. 6.
 Fastener. Rail. S. Gagliardi and F. Brutto. 1,681,802; Aug. 21.
 Fastener. Railroad-rail. J. Opatchan. 1,654,699; Jan. 3.
 Fastener. Railway-rail. A. D. Preston. 1,675,195; June 26.
 Fastener. Rug. R. J. Lindhorst. 1,681,417; Aug. 21.
 Fastener. Safety door. C. Brand. 1,684,790; Sept. 18.
 Fastener. Sash. A. M. Hilty. 1,677,825; July 17.
 Fastener. Sash. W. A. Kirk. 1,691,485; Nov. 13.
 Fastener. Sash. D. I. Platt. 1,688,246; Oct. 16.
 Fastener. Sash. S. Segal. 1,677,300; July 17.
 Fastener. Sash. W. C. Walker. 1,670,087; May 15.
 Fastener. Screen. A. E. Helman. 1,663,164; Mar. 20.
 Fastener. Separable. P. A. Aronson. 1,671,921; May 29.
 Fastener. Separable. S. D. Boynton. 1,691,004; Nov. 6.
 Fastener. Separable. A. L. Breitenstein. 1,676,630; July 10.
 Fastener. Separable. F. S. Carr. 1,656,038-9; Jan. 10.
 Fastener. Separable. F. S. Carr. 1,676,383; July 10.
 Fastener. Separable. F. S. Carr. 1,685,061-2; Sept. 18.
 Fastener. Separable. F. S. Carr. 1,690,664-5; Nov. 6.
 Fastener. Separable. J. Delaney. 1,670,654; May 22.
 Fastener. Separable. J. Draher and A. J. Krieger. 1,662,367; Mar. 13.
 Fastener. Separable. D. Dyresen. 1,693,142-3; Nov. 27.
 Fastener. Separable. E. R. Heintz. 1,696,118; Dec. 18.
 Fastener. Separable. A. F. Hinton. 1,691,013; Nov. 6.
 Fastener. Separable. G. Johnson. 1,685,055; Sept. 18.
 Fastener. Separable. G. Johnson. 1,690,637; Nov. 6.
 Fastener. Separable. C. Kranz. 1,676,396; July 10.
 Fastener. Separable. W. S. McLimans. 1,671,539; May 29.
 Fastener. Separable. G. E. Prentice and R. C. Legat. 1,658,392; Feb. 7.
 Fastener. Separable. T. Repay. 1,678,166; July 24.
 Fastener. Separable. R. F. Walters. 1,675,998; July 3.
 Fastener-setting machine. P. R. Glass. 1,681,229; Aug. 21.
 Fastener. Shingle. C. F. Ames, Jr. 1,686,675; Oct. 9.
 Fastener. Shoe. W. R. McClure. 1,694,101; Dec. 4.

- Fastener, Side-clamp hood. N. W. Cummins. 1,664,771; Apr. 3.
- Fastener slide. E. D. Simons. 1,696,586; Dec. 25.
- Fastener, Slider-operated. G. W. Blair. 1,692,196; Nov. 20.
- Fastener slider, Separable. G. Sundback. 1,661,144; Feb. 28.
- Fastener, Snap. G. A. Benz. 1,678,240; July 24.
- Fastener, Snap. F. S. Carr. 1,690,666; Nov. 6.
- Fastener, Snap. F. D. Hardesty. 1,654,806; Jan. 3.
- Fastener, Snap. R. H. Holmes. 1,665,096; Apr. 3.
- Fastener, Snap. L. Reiter and A. B. Colby. 1,692,701; Nov. 20.
- Fastener, Snap closure. T. O. Schrader. 1,670,783; May 22.
- Fastener, Stair-carpet. E. A. Savary. 1,680,343; Aug. 14.
- Fastener, Storm-sash. C. N. Carlson. 1,654,575; Jan. 3.
- Fastener, Storm-window. C. Le Mesurier. 1,684,134; Sept. 11.
- Fastener-supplying mechanism. C. H. Hoyt. 1,667,786; May 1.
- Fastener, Tape. B. E. Byrd. 1,689,859; Oct. 30.
- Fastener tape, Garment-. L. Roseman. 1,677,904; July 24.
- Fastener, Tie. F. Kremski and H. Siemerling. 1,692,043; Nov. 20.
- Fastener, Tire-chain. J. R. Gladden, jr. 1,680,981; Aug. 14.
- Fastener, Tire-chain. A. L. McKinnon. 1,692,752; Nov. 20.
- Fastener, Wall-board. H. O. Sackett. 1,668,469; May 1.
- Fastener, Wedge closure. T. J. Anstey. 1,676,515; July 10.
- Fastener, Window. J. W. Dillon. 1,656,818; Jan. 17.
- Fastener, Window. C. L. Hughes. 1,664,820; Apr. 3.
- Fastener, Window. L. F. Klooz and M. F. Hatcher. 1,695,108; Dec. 11.
- Fastener, Window. L. E. Murphy. 1,681,618; Aug. 21.
- Fastener, Window. H. W. Nicles. 1,694,662; Dec. 11.
- Fastener, Window. C. F. Polack. 1,686,572; Oct. 9.
- Fastener, Window. T. A. and T. A. Preen. 1,674,221; June 19.
- Fastener, Window-sash. A. R. Glidden. 1,695,729; Dec. 18.
- Fastener, Wire. G. F. Voight. 1,665,761; Apr. 10.
- Fastener, Wire. G. F. Voight. 1,673,430; June 12.
- Fastener, Wire. G. F. Voight. 1,684,120; Sept. 11.
- Fastener, Wielding. T. M. Moore. 1,679,620; Aug. 7.
- Fasteners and tabs therefor, Method and apparatus for manipulating. V. H. Bodle. 1,667,527; Apr. 24.
- Fasteners and the like, Machine for making metal. L. Hommel. 1,659,266; Feb. 14.
- Fasteners, Coupling member for separable. D. Marinsky. 1,681,550; Aug. 21.
- Fasteners, Hookless. A. S. Rothschild. 1,675,053; June 26.
- Fasteners, Making corrugated. C. O. Swenson. 1,682,863; Sept. 4.
- Fasteners, Manipulating multiple. J. E. Perrault. 1,679,626; Aug. 7.
- Fasteners, Slider for. R. C. Legat. 1,679,866; Aug. 7.
- Fasteners, Tack-fastened stud for snap. F. E. Warner. 1,690,082; Oct. 30.
- Fastening. G. E. Bradbury. 1,687,538; Oct. 16.
- Fastening and releasing means for document receptacles. L. M. Ballowe. 1,696,181; Dec. 25.
- Fastening and riveting apparatus, Belt. S. D. Myers. 1,667,294; Apr. 24.
- Fastening and supporting device. L. K. Engle. 1,674,894; June 26.
- Fastening, Artificial-tooth. J. Beisler. 1,688,517; Oct. 23.
- Fastening, Blade. J. L. Ray. 1,687,891; Oct. 16.
- Fastening, Blade. L. Wessel. 1,677,807; July 17.
- Fastening, Bolt. L. Purcell. 1,681,048; Aug. 14.
- Fastening, Closure. E. A. Kuen. 1,681,042; Aug. 14.
- Fastening, Combination tie and rail. J. Hojnowski. 1,689,486; Oct. 30.
- Fastening device. L. Alterson. 1,691,453; Nov. 13.
- Fastening device. T. H. and T. H. Bullock, jr. 1,663,627; May 8.
- Fastening device. O. I. Hoppe. 1,691,064; Nov. 13.
- Fastening device. I. Klein and S. Hammer. Re16,858; Jan. 24.
- Fastening device. D. I. Reiter. 1,661,911; Mar. 6.
- Fastening device. D. I. Reiter. 1,662,834; Mar. 20.
- Fastening device. F. C. Rile. 1,696,284-5; Dec. 25.
- Fastening device. C. A. Snyder. 1,675,230; June 26.
- Fastening device. B. A. Sterling. 1,654,560; Jan. 3.
- Fastening device. J. H. Sutton. 1,670,995; May 22.
- Fastening device. J. M. Thomson and P. Hardy. 1,686,244; Oct. 2.
- Fastening device. J. Waldes. 1,658,955; Feb. 14.
- Fastening device and operating the same, Flexible. N. Statham. 1,691,999; Nov. 20.
- Fastening device, Automatic. A. L. J. Gérard. 1,692,295; Nov. 20.
- Fastening device, Chain-. L. Hansen. 1,686,447; Oct. 2.
- Fastening device, Flexible. N. Statham. 1,672,627; June 5.
- Fastening device for adjustable ski ears. R. Berge. 1,691,512; Nov. 13.
- Fastening device for belts. C. E. Faure. 1,676,083; July 3.
- Fastening device for emergency-exit doors. W. B. Bolles. 1,666,677; Apr. 17.
- Fastening device for fencing, etc. B. K. Rose. 1,667,463; Apr. 24.
- Fastening device for floor coverings. W. C. Joseph. 1,685,362; Sept. 25.
- Fastening device for guy ropes and other tensioning members. A. Z. Mample and E. R. Harrall. 1,671,867; May 29.
- Fastening device for ladders. G. J. Hebner. 1,684,269; Sept. 11.
- Fastening device for rails. F. Rudert. 1,657,903; Jan. 31.
- Fastening device for shoes. K. Schutz. 1,678,273; July 24.
- Fastening device for straps, bands, and bracelets. C. H. Kestenman. 1,673,117; June 12.
- Fastening device for wrist-watch straps, bands, and bracelets. A. L. Newman. 1,689,640; Oct. 30.
- Fastening device for wrist watches. B. Ogush. 1,689,251; Oct. 30.
- Fastening device, Material-. C. Betz. 1,691,179; Nov. 13.
- Fastening device, Rail-. H. H. Renfro. 1,681,049; Aug. 14.
- Fastening device, Shoe-. G. A. Benz. 1,678,241; July 24.
- Fastening device, Shoe-lace. A. Bongiovanni. 1,696,790-1; Dec. 25.
- Fastening device to be applied to ropes, cables, and chains. R. Weber. 1,687,409; Oct. 9.
- Fastening element. B. R. Ryan. 1,654,756; Jan. 3.
- Fastening, Envelope. J. Lloyd. 1,677,867; July 17.
- Fastening for boxes or cases containing rotary sharpening apparatus for razors and edge tools. J. A. D. Watt. 1,677,064; July 10.
- Fastening for running-board molding. W. J. Spiro. 1,679,796; Aug. 7.
- Fastening, Guard-finger. F. Crawford. 1,655,135; Jan. 3.
- Fastening-inserting machine. G. Goddu. 1,667,777; May 1.
- Fastening-inserting machine. G. Goddu. 1,684,390; Sept. 18.
- Fastening-inserting machine. G. Goddu and F. L. Mackenzie. 1,686,808; Oct. 9.
- Fastening-inserting machine. W. T. B. Roberts. 1,688,436; Oct. 23.
- Fastening-inserting machine. W. T. B. Roberts. 1,694,451; Dec. 11.
- Fastening-inserting machine. T. H. Seely. 1,688,663; Oct. 23.
- Fastening, Lacing. J. Pfeiffer-Braun. 1,690,309; Nov. 6.
- Fastening loop. H. A. Austin. 1,677,670; July 17.
- Fastening machine, Bread-. O. F. Rohwedder. 1,682,581; Aug. 28.
- Fastening means. H. A. Benedict and E. M. Moller. 1,675,688; July 3.
- Fastening means. H. A. Borresen. 1,668,756; May 8.
- Fastening means, Adjustable. J. C. McNally. 1,687,874; Oct. 16.
- Fastening means and operating member therefor. N. Statham. 1,666,110; Apr. 17.
- Fastening means for metal roof decking. H. E. White. 1,681,830; Aug. 21.
- Fastening mechanism for grave vaults. A. F. Beck. 1,689,101; Oct. 23.
- Fastening, Nut and screw. W. H. Pierce. 1,690,078; Oct. 30.
- Fastening rails, Device for. F. W. Weber. 1,694,898; Dec. 11.
- Fastening, Shiftable nut. F. S. Carr. 1,694,580; Dec. 11.
- Fastening, Shoe. J. Weingarten. 1,667,276; Apr. 24.
- Fastening, Tie-rod. S. Paul. 1,692,565; Nov. 20.
- Fastening wire for stucco. C. E. Keas. 1,674,335; June 19.
- Fat composition, Edible. H. E. Dubin. 1,656,474; Jan. 17.
- Fat, Edible. H. Yudowitch. Re16,915; Mar. 20.
- Fats from vegetable matter, Extracting. I. S. Hocker. 1,680,943; Aug. 14.
- Fats of a plastic and lithic consistency, Preparing. K. Erslev. 1,657,380; Jan. 24.
- Fats, Preparation of edible. W. B. McLaughlin. 1,694,391; Dec. 11.
- Faucet. W. F. Albrecht. 1,667,580; Apr. 24.
- Faucet. T. Larrigan. 1,677,242; July 17.
- Faucet. J. Magazzini and F. J. Dowd. 1,688,391; Oct. 23.
- Faucet. W. H. Peadar. 1,663,952; Mar. 27.
- Faucet. H. W. Sanford. 1,681,597; Aug. 21.
- Faucet. S. Smith. Des. 76,560; Oct. 9.
- Faucet. S. Smith. Des. 76,713-14; Oct. 23.
- Faucet. W. O. Thompson. Des. 77,334; Dec. 25.
- Faucet. C. R. Uhl. 1,664,714; Apr. 3.
- Faucet. C. W. Wilson. 1,659,796-7; Feb. 21.
- Faucet and dishwashing fixture, Combined sink. G. V. Gavaza. 1,669,978; May 15.
- Faucet and fittings. P. Mueller. 1,674,561; June 19.
- Faucet and making same. L. G. Schimmel. 1,694,234; Dec. 4.
- Faucet and operating same, Electric hot-water. A. M. Nickerson. 1,667,815; May 1.
- Faucet and soap dish, Combination. F. W. Frankenberg. Des. 76,925; Nov. 20.
- Faucet and soap dish, Combination. J. Fraser. Des. 76,790; Nov. 6.
- Faucet and sink trap, Combination water. H. J. Hartnett. 1,665,029; Apr. 3.

- Faucet and vent, Combination. H. Aebli. 1,665,490; Apr. 10.
- Faucet and waste fixture, Combined. N. August, jr. Des. 74,410; Feb. 14.
- Faucet attachment, Water-supply. L. Kooperstein. 1,680,333; Aug. 14.
- Faucet, Ball-joint. M. B. Spinelle. 1,693,676; Dec. 4.
- Faucet connection. J. E. Conklin. 1,681,838; Aug. 21.
- Faucet connection. A. R. Smith. 1,670,219; May 15.
- Faucet, Dispensing. M. Narbo. 1,696,687; Dec. 25.
- Faucet, Dispensing. W. E. Patnaude. 1,689,961; Oct. 30.
- Faucet, Draft. H. E. Walker. 1,694,694; Dec. 11.
- Faucet, Fluid-measuring. H. C. Lyons. 1,693,719; Dec. 4.
- Faucet for laundry tubs and sinks, Combination. P. R. Richards. 1,676,800; July 10.
- Faucet, Measuring. C. F. Wray and M. Blickman. 1,689,096; Oct. 23.
- Faucet Measuring. H. C. Lyons. 1,693,720; Dec. 4.
- Faucet or bibcock. H. H. Riggan. 1,670,691; May 22.
- Faucet, Push-button. A. C. Van House. 1,682,154; Aug. 28.
- Faucet, Receptacle-actuated. W. J. Mix. 1,683,565; Sept. 4.
- Faucet, Slow-closing. C. F. McCann. 1,668,165; May 1.
- Faucet, Swing-spout. E. J. Patelski. 1,662,620; Mar. 13.
- Faucet, Tank-truck. G. B. Stanley. 1,664,712; Apr. 3.
- Faucet wrench. A. W. Wheaton, jr. 1,694,242; Dec. 4.
- Faucets, Safety attachment for. H. G. Cordley and G. R. Long. 1,693,975; Dec. 4.
- Favor distributor. W. E. Dodge. 1,676,137; July 3.
- Feather-cleaning machine. R. W. Krobitzsch. 1,683,905; Sept. 11.
- Feather-removing apparatus. A. Vermes, S. Stern, and L. Grodzicker. 1,660,659; Feb. 28.
- Feathering paddle wheel. E. J. Clark. 1,667,140; Apr. 24.
- Feed control for shaping-machine worktables, Movable and stationary. W. F. Zimmermann and D. V. Waters. 1,690,610; Nov. 6.
- Feed control for shaping worktables. H. W. Jacobson. 1,690,583; Nov. 6.
- Feed control, Liquid-. R. G. Jones. 1,694,621; Dec. 11.
- Feed-control means for internal-combustion engines. J. B. Bartow. 1,694,367; Dec. 11.
- Feed-control mechanism. D. W. Ripley. 1,657,037; Jan. 24.
- Feed-control mechanism, Glass-. S. G. Stuckey. 1,686,109; Oct. 2.
- Feed-controlling apparatus, Proportional. P. Lanham. 1,689,491; Oct. 30.
- Feed device, Automatic. J. W. Nasmith. 1,678,159; July 24.
- Feed for metal-heading machines, Roll. J. E. Praeny. 1,678,647; July 31.
- Feed-governing means for arc lamps. P. R. Bassett. 1,684,817; Sept. 18.
- Feed hopper. W. T. Davis. 1,660,549; Feb. 28.
- Feed lubricator, Force-. L. B. Tillery and G. G. Lynch. 1,660,899; Feb. 28.
- Feed mechanism. J. L. Perkins and H. D. Croft. 1,684,141; Sept. 11.
- Feed mechanism. E. B. Stimpson. 1,684,747; Sept. 18.
- Feed mechanism, Automatic. A. R. Willard. 1,688,369; Oct. 23.
- Feed mechanism, Blank-. J. A. Gray. 1,689,668; Oct. 30.
- Feed mechanism, Bottle-crate-. C. W. Walker. 1,688,368; Oct. 23.
- Feed mechanism for machine guns, Ammunition-. C. L. Paulus and R. Kauch. 1,693,460; Nov. 27.
- Feed mechanism for nuts and the like. C. P. Topping. 1,674,309; June 19.
- Feed mechanism, Pneumatic. S. Halvorsen. 1,676,897; July 10.
- Feed mechanism, Variable-. A. Novick. 1,691,026; Nov. 6.
- Feed mechanism with stationary control, Shaper. W. F. Zimmermann and H. Hauser. 1,689,615; Oct. 30.
- Feed mill. J. A. Day. 1,663,495; Mar. 20.
- Feed mill. G. W. Rynders. 1,672,544; June 5.
- Feed regulator. D. Geddes. 1,682,958; Sept. 4.
- Feed regulator, Automatic liquid-. E. Roucka. 1,695,471; Dec. 18.
- Feed-roller support. C. S. Lenston. 1,665,596; Apr. 10.
- Feed rollers. A. D. Evans and J. K. Lamore. 1,685,873; Oct. 2.
- Feed system, Fuel-. C. E. Shiffer. 1,686,180; Oct. 2.
- Feed tap, Safety positive-. R. M. Galloway. 1,681,289; Aug. 21.
- Feed-water heater, Locomotive-boiler. L. O. Garraway. 1,676,141; July 3.
- Feed-water regulator. V. V. Veenschoten. 1,672,237; June 5.
- Feed-water regulator. V. V. Veenschoten. 1,691,317; Nov. 13.
- Feed-wheel moistener for automatic paper-sheet feeders. E. G. Staude. 1,671,687; May 29.
- Feeder. G. W. Cole. 1,655,753; Jan. 10.
- Feeder and supporting frame, Chicken. W. Ellman. 1,655,601; Jan. 10.
- Feeder, Automatic. A. Lemmon. 1,684,675; Sept. 18.
- Feeder, Automatic poultry. R. F. Toope. 1,684,334; Sept. 11.
- Feeder, Chicken. J. D. Smith. 1,680,181; Aug. 7.
- Feeder, Convertible oscillating rotary. L. K. Aldrich. 1,664,960-1; Apr. 3.
- Feeder, Convertible single or double rotary. L. K. Aldrich. 1,696,705; Dec. 25.
- Feeder, Disk. L. C. Bonnot. 1,679,398; Aug. 7.
- Feeder, Evener-motion-controlled combined drive between finishing lapper and hopper. W. Hardman. 1,664,411; Apr. 3.
- Feeder for blank scoring and slotting machines. W. M. Forward. 1,688,459; Oct. 23.
- Feeder for breakers. F. Pardee. 1,661,732; Mar. 6.
- Feeder for fiber breakers. G. L. Rice and L. E. Whitcomb. 1,681,498; Aug. 21.
- Feeder for fowls, Automatic. W. Hoffa. 1,658,018; Jan. 31.
- Feeder for laundry machinery, Automatic. T. L. Lowe. 1,684,451; Sept. 18.
- Feeder for printing presses, Automatic. L. E. Morrison. 1,676,152; July 3.
- Feeder, Glass. L. D. Soubier. 1,678,232; July 24.
- Feeder, Pig. C. F. Oberly. 1,656,223; Jan. 17.
- Feeder, Pneumatic sheet. G. Spiess. 1,668,292; May 1.
- Feeder, Poultry. H. S. Barnes. 1,692,807; Nov. 27.
- Feeder, Poultry. W. L. Hake. 1,672,211; June 5.
- Feeder, Poultry. O. Mendenhall. 1,671,041; May 22.
- Feeder, Poultry. E. Seikman. 1,672,043; June 5.
- Feeder, Poultry. E. S. West. 1,666,322; Apr. 17.
- Feeder, Sheet. E. W. Belluche. 1,686,510; Oct. 9.
- Feeder, Sheet. E. W. Belluche. 1,686,595; Oct. 9.
- Feeder, Sheet. W. M. Kelly. 1,694,745; Dec. 11.
- Feeder, Stock. C. Burnett. 1,673,101; June 12.
- Feeders, Agitator for. P. C. Lydon. 1,695,597; Dec. 18.
- Feeders, Holddown and register for automatic. L. K. Aldrich. 1,675,525; July 3.
- Feeders, Protector for poultry. R. T. Parkhurst. 1,662,204; Mar. 13.
- Feeding and clamping mechanism for planers, Tool. C. F. Randolph, R. H. Rausch, and N. Marcalus. 1,680,747; Aug. 14.
- Feeding and cutting paper match splints. L. Greenbaum, E. Van Hoofstadt, and C. Gustavson. 1,686,232; Oct. 2.
- Feeding and delivering apparatus for platen printing presses, Sheet. K. Vicum. 1,692,597; Nov. 20.
- Feeding and delivering mechanism and process, Glass. E. T. Ferngren. 1,677,436; July 17.
- Feeding and distributing vinegar stock, Apparatus for. E. G. Pfahl. 1,670,164; May 15.
- Feeding and forming box machine. L. E. La Bombard and M. H. Sidebotham. 1,696,204; Dec. 25.
- Feeding and manipulating means, Lumber. L. J. Grubman, and E. A. Godley. 1,688,416; Oct. 23.
- Feeding and measuring machine, Dry. W. Evans. 1,686,077; Oct. 2.
- Feeding and metering pulverulent or granular material, Apparatus for. E. G. Bailey. 1,679,557; Aug. 7.
- Feeding and operating upon articles, Mechanism for. C. F. Newpher. 1,692,416; Nov. 20.
- Feeding and punching mechanism, Automatic. A. Friedmann. 1,668,011; May 1.
- Feeding and roll-winding apparatus. M. J. Stack. 1,672,960; June 12.
- Feeding and stopping mechanism, Combination automatic car. G. W. Merritt. 1,682,718; Aug. 28.
- Feeding and watering device, Poultry. H. V. Guertin. 1,682,614; Aug. 28.
- Feeding and working articles, Method of and machine for. B. K. Ford. 1,677,133; July 17.
- Feeding apparatus for electric furnaces. P. L. J. Mignet. 1,680,163; Aug. 7.
- Feeding apparatus, Mold-charge guide for glass-. K. E. Peiler. 1,680,391; Aug. 14.
- Feeding apparatus, Pressure-. L. C. Huff. 1,688,812; Oct. 23.
- Feeding apparatus, Sheet-. J. W. Baker. 1,685,799; Oct. 2.
- Feeding attachment, Circular. R. T. Hazelton. 1,657,434; Jan. 24.
- Feeding attachment for knitting machines. W. Nebel. 1,682,050; Aug. 28.
- Feeding coal, Method and apparatus for. H. H. Hamilton. 1,686,131; Oct. 2.
- Feeding cups or containers to filling or other machines, Device for. C. Taylor. 1,688,510; Oct. 23.
- Feeding device. A. Bargoer. 1,692,536; Nov. 20.
- Feeding device. F. J. Brueggemann. 1,674,634; June 26.
- Feeding device. J. O. Deegan. 1,693,371; Nov. 27.
- Feeding device. E. Sill. 1,669,307; May 8.
- Feeding device, Card-. E. A. Ford. 1,680,863; Aug. 14.
- Feeding device, Centrifugal-separator. V. J. Gilmore. 1,694,468; Dec. 11.
- Feeding device for automatic firearms, Cartridge-. J. M. Browning. 1,692,328; Nov. 20.
- Feeding device for automatic firearms, Cartridge-. C. Pfeiffer. 1,692,277; Nov. 20.
- Feeding device for furnaces. A. Pastrák. 1,679,874; Aug. 7.
- Feeding device for internal-combustion engines, Fuel-. L. S. Wheeler. 1,690,565; Nov. 6.
- Feeding device for internal-combustion engines, Vacuum fuel-. T. Veitch. 1,686,299; Oct. 2.
- Feeding device for manufacturing and wrapping of sweet-meats and the like. K. F. Kronqvist. 1,696,803; Dec. 25.
- Feeding device for nailing machines, Automatic nail-. E. Alibert. 1,688,260; Oct. 16.
- Feeding device, Intermittent. E. M. and F. M. Brackett. 1,694,202; Dec. 4.

- Feeding device, Liquid-. V. A. Searles. 1,695,782; Dec. 18.
- Feeding device, Material-. T. F. Rainsford. 1,693,728; Dec. 4.
- Feeding device, Material-. A. B. Smith. 1,687,524; Oct. 16.
- Feeding device, Oil-. C. Retschy. 1,682,853; Sept. 4.
- Feeding device, Poultry-. C. C. Partlow. 1,673,758; June 12.
- Feeding device, Rim-. W. S. Brink. 1,687,468; Oct. 9.
- Feeding device, Sheet-. W. M. Kelly. 1,689,878; Oct. 30.
- Feeding finely-divided material, Apparatus for. J. W. Cornelius. 1,673,313; June 12.
- Feeding fluid by intermittent changes of fluid pressure. C. H. Nordell. 1,689,557; Oct. 30.
- Feeding fuel by waste heat. J. A. Diener. 1,649,911; Dec. 11.
- Feeding glass, Method and apparatus for. K. E. Peiler. 1,692,464; Nov. 20.
- Feeding granular material to conveying roasters, Method and apparatus for. R. A. Wagstaff. 1,655,586; Jan. 10.
- Feeding machine. A. Podel. 1,656,499; Jan. 17.
- Feeding machine. R. J. Waterworth. 1,656,406; Jan. 17.
- Feeding machine, Paper-. T. C. Dexter. 1,691,963; Nov. 20.
- Feeding machine, Paper-. G. W. Mudd. 1,680,470; Aug. 14.
- Feeding machine, Record-. F. M. Carroll. 1,691,919; Nov. 20.
- Feeding magazine for printing presses. A. and E. Kluge. 1,693,986; Dec. 4.
- Feeding magazine for printing presses, Stock. A. and E. Kluge. 1,694,015; Dec. 4.
- Feeding means, Cover-. J. Brenzinger. 1,675,245; June 26.
- Feeding means for centrifugal grinders. C. A. A. Rand. 1,691,585; Nov. 13.
- Feeding means for grading apparatus. W. P. Bullard. 1,688,263; Oct. 16.
- Feeding means for printing machines, Paper-. W. Gegenheimer. 1,683,718; Sept. 11.
- Feeding means for tile-cleaning machines, Screen-. H. D. Lillibridge. 1,692,556; Nov. 20.
- Feeding mechanism. H. F. Albright, jr. 1,676,606; July 10.
- Feeding mechanism. C. D. Hart. 1,676,605; July 10.
- Feeding mechanism. L. F. Lamplough. 1,676,607; July 10.
- Feeding mechanism. M. J. Maguth. 1,696,549; Dec. 25.
- Feeding mechanism. C. F. Osgood. 1,679,138; July 31.
- Feeding mechanism. C. F. Osgood. 1,690,429; Nov. 6.
- Feeding mechanism. R. C. Simmons. 1,676,293; July 10.
- Feeding mechanism. J. Van Buren. 1,691,947; Nov. 20.
- Feeding mechanism. A. L. Watson and G. L. Barden. 1,680,187; Aug. 7.
- Feeding mechanism, Blank-. F. G. Feeley. 1,687,290; Oct. 9.
- Feeding mechanism, Carbon-pencil-. C. S. Charles. 1,658,428; Feb. 7.
- Feeding mechanism for box-making machines. O. W. Cowgill. 1,673,902; June 19.
- Feeding mechanism for closing machines, Can-end-. H. A. Pink. 1,690,002; Oct. 30.
- Feeding mechanism for confectionery machines. A. L. Bausman. 1,680,842; Aug. 14.
- Feeding mechanism for internal-combustion engines, Fuel-. A. E. Winckler. 1,691,175; Nov. 13.
- Feeding mechanism for machine tools, Manual. C. Bouillon. 1,680,590; Aug. 14.
- Feeding mechanism for planers, Manually-controlled. C. F. Randolph. 1,673,302; July 24.
- Feeding mechanism for printing presses, Sheet-. H. M. Barber. 1,692,023; Nov. 20.
- Feeding mechanism for sewing machines. R. Mundlos. 1,693,524; Nov. 27.
- Feeding mechanism for sewing machines. J. C. Ringe. 1,685,436; Sept. 25.
- Feeding mechanism for stocking-seaming machines. W. B. Long and L. Sliwa. 1,692,130; Nov. 20.
- Feeding mechanism for tuck-making machines. C. Perkins. 1,674,988; June 26.
- Feeding mechanism for tapping machines, Automatic. S. Kail. 1,685,542; Sept. 25.
- Feeding mechanism, Glass-. R. La France. 1,692,553; Nov. 20.
- Feeding mechanism, Needle-. H. Nacken. 1,692,380; Nov. 20.
- Feeding mechanism, Sheet-. S. F. H. Goffin. 1,696,114; Dec. 18.
- Feeding mechanism, Sheet-. W. M. Kelly. 1,683,195; Sept. 4.
- Feeding mechanism, Sheet-. K. F. Kronqvist. 1,681,413; Aug. 21.
- Feeding mechanism, Sheet-. L. E. Morrison. 1,694,717; Dec. 11.
- Feeding mechanism, Sheet-. C. H. Nitsch and J. W. Baker. 1,684,741; Sept. 18.
- Feeding mechanism, Snowplow. E. H. Fahrney. 1,689,999; Oct. 30.
- Feeding mechanism, Tobacco-. W. H. Schussler. 1,679,948; Aug. 7.
- Feeding mechanism, Variable. W. F. Grupe. 1,687,241; Oct. 9.
- Feeding method and apparatus, Glass-. S. S. Grotta. 1,680,735; Aug. 14.
- Feeding molten glass. J. R. Keller. 1,675,273; June 26.
- Feeding paper sheets, Apparatus for. J. and H. Giesecke. 1,695,648-9; Dec. 18.
- Feeding powdered fuel, Apparatus for. W. L. and H. L. McLaughlin. 1,685,331; Sept. 25.
- Feeding sheet metal and the like, Apparatus for. J. H. Young and W. G. Frink. 1,689,760; Oct. 30.
- Feeding sheet-metal blanks and the like, Mechanism for. E. V. Swangren. 1,689,756; Oct. 30.
- Feeding system for motor vehicles, Fuel-. A. G. Redmond. 1,691,128; Nov. 13.
- Feeding system, Fuel-. A. G. Redmond. 1,686,574; Oct. 9.
- Feeding tape and projecting data therefrom. R. F. Dirkes. 1,684,309; Sept. 11.
- Feeds for multiple tapping machines, Individual power. A. L. De Leeuw. 1,681,326; Aug. 21.
- Feeds. Manufacturing of livestock. C. R. Mabee. 1,693,611-12; Dec. 4.
- Feedwater, Delivering preheated. J. Stumpf. Re17,032; July 10.
- Feeler in transferrer arm. R. G. Turner. 1,695,397; Dec. 18.
- Feeler movable to distribute wear on yarn. R. G. Turner. 1,664,006; Mar. 27.
- Felly, Wheel. D. E. Moran, sr. 1,692,344; Nov. 20.
- Felt and felt material and articles, such as hats and hat bodies, made of the same. H. Stein, W. E. Austin, and I. Liebowitz. 1,687,802; Oct. 16.
- Felt and making, Hair. A. L. Clapp. 1,673,967; June 19.
- Felt conditioners, Attachment for. W. R. Fowler. 1,675,540; July 3.
- Felt-cleaning machine. F. W. Vickery. 1,659,010; Feb. 14.
- Felt products, Making. P. R. Bettison. 1,690,854; Nov. 6.
- Felt washer. W. P. Feeney. 1,682,496; Aug. 28.
- Felting machine, Rotary. F. C. Sturgis. 1,679,100; July 31.
- Felts and felt materials, Fabricating. H. Stein, W. E. Austin, and I. Liebowitz. 1,687,801; Oct. 16.
- Fence. R. C. Stewart. 1,656,024; Jan. 10.
- Fence barb. J. E. Rayburn. 1,670,481; May 22.
- Fence construction. H. Miller. 1,677,195; July 17.
- Fence construction. F. A. Ziebarth. 1,666,765; Apr. 17.
- Fence, Farm. L. Leforge. 1,672,947; June 12.
- Fence guard. J. C. Farrington. 1,664,603; Apr. 3.
- Fence jack. J. Becht. 1,670,180; May 15.
- Fence machine, Wire-. C. A. Porath. 1,691,166; Nov. 13.
- Fence-making machine. D. A. Wilson. 1,663,786; Mar. 27.
- Fence panel or similar article. W. H. Taylor. Des. 76,766; Oct. 30.
- Fence, Portable guard. J. Peppin. 1,694,753; Dec. 11.
- Fence post. A. Burk. 1,672,927; June 12.
- Fence post. B. A. Cass. 1,655,673; Jan. 10.
- Fence post. H. E. Larson. 1,658,132; Feb. 7.
- Fence post. H. Lindensmith. 1,667,424; Apr. 24.
- Fence post. N. A. Ochiltree. 1,684,802; Sept. 18.
- Fence post. O. S. Stryer and G. A. Snedeker. Des. 75,702; July 3.
- Fence post. C. Winter. 1,689,610; Oct. 30.
- Fence post, Concrete. W. Bensinger. 1,676,679; July 10.
- Fence-post extension. R. De Remer. 1,668,233; May 1.
- Fence post, Metallic. J. W. Dunlap. 1,661,528; Mar. 6.
- Fence-post puller. H. F. Johnson. 1,666,464; Apr. 17.
- Fence protector. H. H. Schuette. 1,670,869; May 22.
- Fence protector. H. H. Schuette. 1,686,576; Oct. 9.
- Fence section, Miniature or toy. J. C. Matthai. 1,691,723; Nov. 13.
- Fence, Snow-. F. M. Koksma. 1,655,318; Jan. 3.
- Fence, Snow-. D. A. McKinnon. 1,668,651; May 8.
- Fence-wire splice. J. F. Gehrts. 1,655,764; Jan. 10.
- Fence-wire structure. H. M. Moore. 1,664,785; Apr. 3.
- Fences, Removable extension attachment for wire. C. Bach. 1,673,613; June 12.
- Fender. H. M. Katz. 1,663,051; Mar. 20.
- Fender brace. M. Monetti. 1,657,759; Jan. 31.
- Fender extension. F. P. Kaufman. 1,696,802; Dec. 25.
- Fender for sweepers. J. R. Gammeter. 1,695,246; Dec. 11.
- Fender, Front automobile. J. Ledwinka. Des. 75,572; June 19.
- Fender, Furniture. C. D. Dye. 1,679,117; July 31.
- Fender guard, Automobile. G. W. Yanss. 1,694,198; Dec. 4.
- Fender-guard plate. R. H. Dane. 1,665,492; Apr. 10.
- Fender guard, Rear-. G. W. Yanss. 1,672,511; June 5.
- Fender, Rear automobile. J. Ledwinka. Des. 75,573; June 19.
- Fender, Safety. H. Brusch. 1,665,251; Apr. 10.
- Fender-straightening device. M. D. Ran. 1,686,442; Oct. 2.
- Fenders, Manufacturing automobile. M. H. Matheson. 1,680,467; Aug. 14.
- Fermenting vessel and treating the same. M. A. Adam. 1,672,743; June 5.
- Fermentation process. E. R. Weyer. 1,696,022; Dec. 18.
- Fern stand. I. Marshak. Des. 77,247-8; Dec. 18.
- Fern stand or similar support. S. Cantor. Des. 74,355; Feb. 7.
- Ferroboron and boron steel, Making. T. Miyaguchi. 1,674,119; June 19.
- Ferrule for connecting plumbing fittings with piping. E. W. N. Boosey. 1,684,571; Sept. 18.
- Ferrule, Harness. M. Miller. 1,694,716; Dec. 11.
- Ferrule pin. M. R. Hull. 1,658,124; Feb. 7.

- Ferrules to wooden rollers or the like, Machines for affixing. E. F. Hathaway. 1,663,499; Mar. 20.
- Fertilizer. G. Barsky and F. W. Freise. 1,695,081; Dec. 11.
- Fertilizer distributor. A. J. Chesson. 1,657,197; Jan. 24.
- Fertilizer distributor. E. M. Cole. 1,662,883; Mar. 20.
- Fertilizer distributor. W. F. Pittman. 1,660,047; Feb. 21.
- Fertilizer distributor. W. J. Pope. 1,680,064; Aug. 7.
- Fertilizer, distributor, and side dresser, Combined. A. W. Leet. 1,661,430; Mar. 6.
- Fertilizer distributor, Broadcast. J. F. Lavery. 1,664,078; Mar. 27.
- Fertilizer, Manufacture of. E. L. Pease. 1,668,464; May 1.
- Fertilizer material, Making. K. R. Lindfors. 1,657,128; Jan. 24.
- Fertilizer production. M. P. Nitsche. 1,684,712; Sept. 18.
- Fiber and making same, Artificial. C. Ellis. 1,695,643; Dec. 18.
- Fiber board and making same. C. A. Upson. 1,687,599; Oct. 16.
- Fiber board and making the same. F. P. Wood. 1,689,812; Oct. 30.
- Fiber board, Apparatus for making. W. M. Shoemaker, jr. 1,675,667; July 3.
- Fiber board for containers and the like. D. G. Magill. 1,676,617; July 10.
- Fiber board, Synthetic resin. A. L. Clapp. 1,684,755; Sept. 18.
- Fiber boards, Making. W. M. Shoemaker, jr. 1,675,666; July 3.
- Fiber-cleaning device. M. Wehll. 1,664,145; Mar. 27.
- Fiber core. H. Parker. 1,687,586; Oct. 16.
- Fiber from flax and hemp straw and the leaves of phormium-tenax sisal abacca yucca and the like, Apparatus for the production of. J. C. W. Stanley. 1,657,046; Jan. 24.
- Fiber material, Apparatus for softening, refining, and cleaning entangled and short-. E. Gminder. 1,688,384; Oct. 23.
- Fiber, Method and machine for making vulcanized. G. W. Temple. 1,669,429; May 15.
- Fiber products and making same, Hard grainless. W. H. Mason. 1,663,505; Mar. 20.
- Fiber-removing machine. C. L. Bothwell and K. C. and R. Barton. 1,658,916; Feb. 14.
- Fiber-treating machines, Grid bar for. M. Wehll. 1,661,518; Mar. 6.
- Fibers, Decorticating. J. Baldinger. 1,671,219; May 29.
- Fibers, Mechanism for uniformly interweaving. A. Aldrich. 1,682,460; Aug. 25.
- Fibers of cellulose origin with a view to facilitating their esterification, Softening. H. L. Barthélemy. 1,668,483; May 1.
- Fibers or threads, Machine for treating. O. Schäfer. 1,658,357; Feb. 7.
- Fibers preparatory to pulp-board making, Treating bagasse. H. T. Price. 1,656,829; Jan. 17.
- Fibers, Treatment of. J. L. Tufts. 1,672,289; June 5.
- Fibrous composition, Method of making articles from a. W. C. O'Brien. 1,676,798; July 10.
- Fibrous material and producing same, Article made of. W. H. Kobbé. 1,689,394; Oct. 30.
- Fibrous material, Apparatus for cleaning. T. C. Hazard. 1,662,030; Mar. 6.
- Fibrous material, Apparatus for the manufacture of mica-coated. E. Haefely. 1,696,397; Dec. 25.
- Fibrous material, Recovering waste. L. Kirschbraun. 1,659,401; Feb. 14.
- Fibrous material, Treating. A. Lutz. 1,682,390; Aug. 28.
- Fibrous material, Working. W. F. Hosford. 1,678,390; July 24.
- Fibrous materials for pulping purposes, Process and apparatus for treating. T. L. Dunbar. 1,669,234; May 8.
- Fibrous-pulp material, Producing articles from. G. E. Shaw. 1,669,426; May 15.
- Fictile material, Method of and means for forming and delivering charges of. A. A. Oeffner. 1,675,906; July 3.
- Field induction furnace, Rotary. E. F. Northrup. 1,677,528; July 17.
- Fighting bag. G. B. Thompson. 1,694,044; Dec. 4.
- Fighting tank. H. A. Knox. 1,696,439; Dec. 25.
- Figure oracle. E. P. Carrel. 1,658,967; Feb. 14.
- Figure, Wind-actuated. W. J. Scholl. 1,675,141; June 26.
- Figured glass. L. F. Jacklin. Des. 76,137; Aug. 21.
- Figurehead. R. W. Adams. 1,672,240; June 5.
- Filament. F. Holborn. 1,695,687; Dec. 18.
- Filament-current-reversing device. L. W. Gillis. 1,664,813; Apr. 3.
- Filament for incandescent electric lamps and winding it, Crystal-wire. M. Hauschild and W. Berger. 1,668,016; May 1.
- Filament for incandescent lamps. G. W. Meister. 1,663,560; Mar. 27.
- Filament, Refractory metal. M. N. Rich. 1,663,564; Mar. 27.
- Filament switch. S. A. Young. 1,669,437; May 15.
- Filamentary material, Producing. J. G. Jackson. 1,672,943; June 12.
- Filaments, Activation of. G. D. O'Neill. 1,695,819; Dec. 18.
- Filaments, Apparatus for the manufacture of artificial. J. Delpech. 1,695,455; Dec. 18.
- Filaments, Method and apparatus for treating. G. E. Inman. 1,655,466; Jan. 10.
- Filaments, Method and apparatus for treating. G. R. Shaw and B. F. Tellkamp. 1,664,136; Mar. 27.
- Filaments or threads of cellulose derivatives and making same. H. Dreyfus. 1,688,532; Oct. 23.
- Filaments, Process and apparatus for producing. J. A. Roux. 1,683,055-6; Sept. 4.
- Filaments, Treating. S. A. Neidich. 1,654,552; Jan. 3.
- File. C. E. Bertels. 1,690,812; Nov. 6.
- File. H. G. Buchan. 1,660,543; Feb. 28.
- File. J. S. Small. 1,658,061; Feb. 7.
- File and binder. A. Ashkenas. 1,663,967; Mar. 27.
- File and binder, Loose-leaf. J. J. Corell and E. W. Bryant. 1,660,918; Feb. 28.
- File and holder, Adjustable. E. A. Banschbach. 1,681,318; Aug. 21.
- File attachment, Nail-. A. T. Centanni. 1,671,811; May 29.
- File, Automatic record. G. D. Cooper. 1,656,047; Jan. 10.
- File, binder, and the like. T. F. Vallean. 1,662,873; Mar. 20.
- File, Book-cover. G. L. Fenno. 1,696,629; Dec. 25.
- File, Card. F. M. Shotwell. 1,681,629; Aug. 21.
- File-cutting machine. G. Davis. 1,659,020; Feb. 14.
- File follower. P. Vignos. 1,659,620; Feb. 21.
- File holder. H. H. Canterbury. 1,659,765; Feb. 21.
- File, Loose-leaf-suspending. G. Steinmetz. 1,663,617; Mar. 27.
- File, Manicuring. J. M. Furlong. 1,674,325; June 19.
- File or rack for papers, documents, merchandise and the like. H. O. Ross. 1,682,423; Aug. 28.
- File, rasp, or like tool. E. Furler. 1,695,647; Dec. 18.
- File, Record. A. Schwarz. 1,680,177; Aug. 7.
- File, Record. H. P. Thompson. 1,692,231; Nov. 20.
- File units. Card index and document-filing devices for. M. A. Thmetz. 1,660,823; Feb. 28.
- Filigree-design process. P. J. Tracy. 1,679,996; Aug. 7.
- Filing and polishing machine, Nail. L. D. De Laitte. 1,672,450; June 5.
- Filing apparatus. L. C. Ridge. 1,658,689; Feb. 7.
- Filing apparatus for letters, papers, and the like. W. E. Baker. 1,654,854; Jan. 8.
- Filing-appliance case. W. E. Dunning and J. Bachofen. 1,672,022; June 5.
- Filing cabinet and the like, Prescription-. C. M. Anderson. 1,696,375; Dec. 25.
- Filing case, Folding storage. F. H. Jones. 1,692,940; Nov. 27.
- Filing device. U. S. Armstrong. 1,666,229; Apr. 17.
- Filing device. H. Frey. 1,674,359; June 19.
- Filing device. H. S. Riederer and A. Paulson. 1,692,865; Nov. 27.
- Filing device. G. H. Van Valkenburgh. 1,667,576; Apr. 24.
- Filing device, Card-system. T. G. Lewis. 1,658,001; Jan. 31.
- Filing device, Heat-resisting. D. E. Hunter. 1,678,471; July 24.
- Filing device, Paper-. F. J. Kline. 1,665,705; Apr. 10.
- Filing device, Paper-. W. Real. 1,673,090; June 12.
- Filing drawer. F. C. Morse. 1,684,842; Sept. 18.
- Filing drawers, Divider board for. H. Penning. 1,659,119; Feb. 14.
- Filing machine, Saw-. B. A. Branch and G. Schnurr. 1,678,279; July 24.
- Filing mechanism for autographic registers. L. Jensen. 1,694,782; Dec. 11.
- Filing or indexing appliance. W. D. McFall. 1,679,365; Aug. 7.
- Filing post for loose-leaf ledgers and like binders. H. B. Stone. 1,676,968; July 10.
- Filing, sawing, and grinding machine. H. W. Romanoff. 1,660,887; Feb. 28.
- Filing structure. T. C. Butterworth. 1,685,448; Sept. 25.
- Filing system. A. N. Kilmartin and R. B. Moreland. 1,671,726; May 29.
- Filing system. J. T. Quigley. 1,674,222; June 19.
- Filing system, Record-. C. I. Wagner. 1,685,206; Sept. 25.
- Fill box. J. B. Davis. 1,680,770; Aug. 14.
- Filler and drainer, Combined. B. W. McClymont and H. D. Yoder. 1,661,002; Feb. 28.
- Filler for cigar lighters. A. L. Wallau. 1,678,494; July 24.
- Filler for radiator pans. W. H. Hinz. 1,692,039; Nov. 20.
- Filler for tanks, Safety. P. C. Avery. 1,675,083; June 26.
- Filler, Ice-cream-carton. B. L. Huntley. 1,676,952; July 10.
- Filler material, Coated. J. B. Green. 1,669,661; May 15.
- Fillers for baking pans, Making. J. W. Foersch, jr. 1,690,003; Oct. 30.
- Filleting fish, Apparatus for. R. Baader. 1,687,922; Oct. 16.
- Filling and crowning machine. G. J. Huntley. 1,691,718; Nov. 13.
- Filling and weighing machine. W. L. Taylor. 1,680,487; Aug. 14.
- Filling apparatus, Barrel-. W. Ernest and E. H. Baer. 1,683,337; Sept. 4.

- Filling boilers for cellulose with sulphite solution. H. Clemm. 1,693,999; Dec. 4.
- Filling containers, Apparatus for. H. F. Broadhurst. 1,675,208; June 26.
- Filling-end clearer. H. A. Davis. 1,657,432; Jan. 24.
- Filling for dissolved gas and producing same. J. Pommée. 1,672,688; June 5.
- Filling fragile containers, Apparatus for. E. J. Sweetland. 1,693,261; Nov. 27.
- Filling machine. J. R. Litty and T. B. Lundin. 1,687,944; Oct. 16.
- Filling machine. O. I. Waring. 1,675,741; July 3.
- Filling machine. C. S. Weeks. 1,690,067; Oct. 30.
- Filling mechanism. J. Kantor, O. W. Fick, and W. J. Traxel. 1,683,677; Sept. 11.
- Filling of joint boxes for electric cables. A. E. Wilson. 1,690,658; Nov. 6.
- Filling of joint boxes for electric cables and apparatus therefor. A. E. Wilson. 1,690,657; Nov. 6.
- Filling root canals, Apparatus for. I. Kulik. 1,694,857; Dec. 11.
- Filling station. R. E. Smith. Des. 75,294; May 22.
- Film and magazine therefor, Photographic. F. H. Owens. 1,686,462; Oct. 2.
- Film and making the same, Cellulose-derivative. H. J. Hands. 1,666,377; Apr. 17.
- Film bobbins, Preventing premature uncolling of. G. L. Chanier. 1,667,536; Apr. 24.
- Film box. E. Goldberg and M. Nowicki. 1,667,110; Apr. 24.
- Film-branding machine. F. E. Garbutt and L. M. Griffith. 1,654,801; Jan. 3.
- Film-carrying strip. A. Price. 1,688,653; Oct. 23.
- Film cartridge, Photographic. C. A. Bornmann. 1,679,956; Aug. 7.
- Film case. H. E. Howell. 1,668,405; May 1.
- Film, Cinematograph. A. H. Smith. 1,674,528; June 19.
- Film clip. P. J. Kirwan. 1,657,678; Jan. 31.
- Film container. A. F. Victor. 1,666,077; Apr. 17.
- Film control, Roll. S. M. Hershberg. 1,686,211; Oct. 2.
- Film cutting and joining device. H. Rohrdanz. 1,672,542; June 5.
- Film developer, Coil. G. C. Beidler. 1,664,731; Apr. 3.
- Film developing, fixing and drying machine, Automatic. W. J. Williams. 1,670,673; May 22.
- Film-developing machine. F. E. Garbutt and L. M. Griffith. 1,666,999; Apr. 24.
- Film-developing machine having positive drive. V. C. de Ybarrodo. 1,654,723; Jan. 3.
- Film drier, Photographic. H. Cassereau. 1,679,239; July 31.
- Film-feeding device for projectors. P. D. Brewster. 1,679,399; Aug. 7.
- Film hanger, Photographic. H. Gollomb. 1,666,895; Apr. 24.
- Film, Making antistatic nitrocellulose. R. L. Stinchfield. 1,683,315; Sept. 4.
- Film material, Cinematograph. J. E. Thornton. 1,679,695; Aug. 7.
- Film material, Cinematograph and photographic color. J. E. Thornton. 1,679,694; Aug. 7.
- Film, Motion-picture. M. Kraslavsky. 1,683,830; Sept. 11.
- Film-moving mechanism. G. Lowkrantz. 1,676,037; July 3.
- Film package. C. Bornmann. 1,685,802; Oct. 2.
- Film, Picture-projection. E. D. Tillyer. 1,659,176; Feb. 14.
- Film-projecting arrangement. L. de Forest. 1,659,909; Feb. 21.
- Film-projection machine. B. A. Proctor. 1,689,802; Oct. 30.
- Film reel. H. A. De Vry. 1,696,473; Dec. 25.
- Film reel. A. C. Hayden. 1,672,214; June 5.
- Film reel. J. La Via. 1,692,846; Nov. 27.
- Film reel. S. W. Warner. 1,667,501; Apr. 24.
- Film-reversing mechanism. B. A. Proctor. 1,695,857; Dec. 18.
- Film-roll box and mounting. G. C. Beidler. 1,664,730; Apr. 3.
- Film strip, Motion-picture. J. H. Haste. 1,687,066; Oct. 9.
- Film-take-up device. F. E. Garbutt. 1,654,800; Jan. 3.
- Film-treating apparatus. J. G. Capstaff. 1,664,735; Apr. 3.
- Film-treating apparatus. J. G. Capstaff. 1,690,616; Nov. 6.
- Film-treating apparatus. G. Pourfillet and E. Giovannoni. 1,679,096; July 31.
- Film, Two-ply cinematograph positive. J. E. Thornton. 1,672,352; June 5.
- Film, Two-ply cinematograph positive. J. E. Thornton. 1,674,810; June 26.
- Film-winding machine. J. G. Jones. 1,676,558; July 10.
- Film-winding mechanism. R. B. Clark. 1,682,553; Aug. 28.
- Films and plates, Multicolor screen and support for. J. E. Thornton. 1,670,671; May 22.
- Films, Apparatus for treating. C. Ellis and H. M. Weber. 1,668,952; May 8.
- Films, Construction and manufacture of cinematograph positive. J. E. Thornton. 1,663,738; Mar. 27.
- Films, Method and apparatus for contacting. M. G. Young. 1,675,743; July 3.
- Films of cellulose derivative, Production of thin. A. Eichengrün. 1,688,457; Oct. 23.
- Films, Paster band for roll. E. J. Ward. 1,666,050; Apr. 10.
- Films, Registering and cementing cinematographic. L. T. Troland and J. A. Ball. 1,677,309; July 17.
- Films, Treating. C. Ellis and H. M. Weber. 1,669,394; May 8.
- Filter. A. M. Babitch. 1,690,358; Nov. 6.
- Filter. E. L. Bishop. 1,680,848; Aug. 14.
- Filter. A. Boulade. 1,688,326; Oct. 23.
- Filter. C. S. Burns. 1,691,867; Nov. 13.
- Filter. R. Clade and H. B. Ensign. 1,665,345; Apr. 10.
- Filter. C. P. Elsenhauer. 1,694,467; Dec. 11.
- Filter. W. C. Graham. 1,687,863; Oct. 16.
- Filter. F. D. Herbert. W. L. Kraemer, and J. E. Garabrant. 1,677,892; July 24.
- Filter. R. P. F. Liddell. 1,673,572; June 12.
- Filter. R. P. F. Liddell. 1,696,313; Dec. 25.
- Filter. E. F. Pierce. 1,671,606-7; May 29.
- Filter. B. J. Pierson. 1,688,152; Oct. 16.
- Filter. E. S. Stephens. 1,696,367; Dec. 25.
- Filter. E. J. Sweetland. 1,666,515; Apr. 17.
- Filter. E. J. Sweetland. 1,677,503; July 17.
- Filter. E. J. Sweetland. 1,680,029; Aug. 7.
- Filter. G. F. Thomas. 1,682,867; Sept. 4.
- Filter. V. A. Tinello. 1,656,455; Jan. 17.
- Filter. L. W. Williams. 1,671,958; May 29.
- Filter, Acoustic wave. G. W. Stewart. 1,692,317; Nov. 20.
- Filter, Air. H. E. Birkholz. 1,690,813; Nov. 6.
- Filter, Air. G. S. Dauphinee. 1,674,764; June 26.
- Filter, Air. G. Hain. 1,670,348; May 22.
- Filter, Air. E. R. Hewitt and A. F. Masury. 1,678,044; July 24.
- Filter, Air. W. M. Reed and C. P. Hegan. 1,693,585; Nov. 27.
- Filter, Air. W. E. Snaman. 1,671,383; May 29.
- Filter and filtering method. J. F. Wait. 1,667,465; Apr. 24.
- Filter and method of making. F. E. Dennison and W. S. Ireland. 1,690,282; Nov. 6.
- Filter and water-softening apparatus of the filter type. W. J. Hughes. 1,668,206; May 1.
- Filter attachable to faucet, Water. H. H. Culver. 1,680,323; Aug. 14.
- Filter, Electric-wave. M. Osnos. 1,656,225; Jan. 17.
- Filter element. D. F. Fesler. 1,682,879; Sept. 4.
- Filter for air and other gases. E. L. Joseph. 1,695,237; Dec. 11.
- Filter for engines, Oil. F. C. Morris. 1,692,852; Nov. 27.
- Filter for fluids. C. H. Cuno. 1,657,346; Jan. 24.
- Filter for high-frequency oscillations. H. J. J. M. de R. de Bellescize. 1,687,062; Oct. 9.
- Filter for the absorption of certain radiations, Fluid. L. Bell and W. G. Wolfe. 1,681,276; Aug. 21.
- Filter for variable-load circuits, Electric wave. R. G. McCurdy. 1,679,434; Aug. 7.
- Filter, Gas. C. B. Gamble. 1,669,461; May 15.
- Filter, Gasoline and oil. J. Tekavec. 1,663,322; Mar. 20.
- Filter, Household. H. A. Vallez. 1,690,958; Nov. 6.
- Filter, Juice. A. J. Rechin. 1,670,482; May 22.
- Filter, Light. F. Zernik. 1,688,259; Oct. 16.
- Filter, Lime. C. G. Hawley. 1,684,025; Sept. 11.
- Filter, Liquid. A. Wuest. 1,693,741; Dec. 4.
- Filter, Magazine. F. W. Manning. 1,669,718; May 15.
- Filter, Magazine. F. W. Manning. 1,695,811; Dec. 18.
- Filter, Mechanical wave. H. A. Burgess. 1,666,681; Apr. 17.
- Filter medium for air filters. A. Jordahl. 1,676,191; July 3.
- Filter, Nutsch. J. E. Jewett. 1,661,290; Mar. 6.
- Filter, Oil. E. M. Scoville. 1,696,735; Dec. 25.
- Filter, Oil. C. A. Winslow and E. J. Hall. 1,659,902; Feb. 21.
- Filter, Oil. J. C. Zeder. 1,658,827; Feb. 14.
- Filter or strainer and making the same. W. H. Furness. 1,692,824; Nov. 27.
- Filter plate. H. L. Watson. 1,669,362; May 8.
- Filter press. H. L. Walker. 1,694,956; Dec. 11.
- Filter-press cloth. F. R. Furbish. 1,671,187; May 29.
- Filter, Pressure and vacuum. G. J. Lipscomb. 1,676,268; July 10.
- Filter, Register. M. Shalansky. 1,679,507; Aug. 7.
- Filter, Rotary. H. S. Hele-Shaw, R. C. B. Stillman, and J. A. Pickard. 1,666,381; Apr. 17.
- Filter, Rotary. E. L. Oliver. 1,659,699; Feb. 21.
- Filter sheet, Rubber. W. C. Geer. 1,663,298; Mar. 20.
- Filter, Spiral. M. H. Ward. 1,690,564; Nov. 6.
- Filter unit and making same. A. L. Hansen. 1,676,024; July 3.
- Filter, Water. T. C. Holz and E. L. Pegg. 1,674,203; June 19.
- Filter, Water. A. E. Jervis. 1,696,487; Dec. 25.
- Filter, Wave. E. L. Merton. 1,681,534; Aug. 21.
- Filtering and bottling fluids under pressure, Apparatus for. G. Striffler. 1,692,393; Nov. 20.
- Filtering and softening water, Apparatus for. R. C. Dunkelberg. 1,676,891; July 10.
- Filtering apparatus. J. B. Vernay. 1,662,726; Mar. 13.
- Filtering apparatus, Continuous. G. Gröndal. 1,668,557; May 8.
- Filtering, Apparatus for. E. J. Sweetland. 1,670,319; May 22.
- Filtering device. A. P. Hall. 1,664,252; Mar. 27.

- Filtering device. W. M. Morrison. 1,678,704; July 31.
 Filtering elements. H. A. Vallez. 1,691,001; Nov. 6.
 Filtering material and filtering. R. H. McKee. 1,676,151; July 3.
 Filtering materials. Apparatus for revivification of. L. W. Naylor. 1,693,207; Nov. 27.
 Filtering materials, Preparing. F. H. Well. 1,664,275; Mar. 27.
 Filtering materials. Revivification of. L. W. Naylor. 1,693,206; Nov. 27.
 Filtering mechanism. C. F. Lienesch. 1,693,717; Dec. 4.
 Filtering process. J. F. Wait. 1,693,417; Nov. 27.
 Filtering purposes. Strainer head for. W. J. Hughes. 1,668,205; May 1.
 Filtering screen. Fuel-. H. Ford. 1,677,118; July 10.
 Filtering solutions used in the manufacture of artificial silk and the like, Apparatus for. W. P. Dreaper. 1,685,775; Oct. 2.
 Filters, Cake former for continuous rotary. R. O. Boykin. 1,666,279; Apr. 17.
 Filters, Scraper for water. W. W. Klemm. 1,660,619; Feb. 28.
 Filters, Testing. C. W. McKinley. 1,662,529; Mar. 13.
 Filtration apparatus. A. Wright and F. W. Young. 1,691,950; Nov. 20.
 Filtration, Hot. C. G. Hawley. 1,668,807; May 8.
 Filtration of alkaline waters. R. E. Hall. 1,686,558; Oct. 9.
 Filtration, Process of and apparatus for continuous countercurrent. F. W. Manning. 1,686,094; Oct. 2.
 Filtration, Process of and apparatus for continuous pressure. 1,686,093; Oct. 2.
 Finder. C. A. Bornmann. 1,684,531; Sept. 18.
 Finder, Erecting. G. A. Mitchell. 1,687,030; Oct. 9.
 Finder ring. J. Schumer. Des. 75,809; July 17.
 Fingerprint machine. C. F. Glass, A. C. O. Bock, and J. F. Milligan. 1,676,020; July 3.
 Fingerprint-taking device. R. Gehring. 1,672,206; June 5.
 Finger ring. R. Baden. Des. 74,471; Feb. 21.
 Finger ring. G. Bartiromo. Des. 75,406; June 5.
 Finger ring. C. Birnbaum. Des. 74,538; Feb. 28.
 Finger ring. A. I. Clark. 1,673,617; June 12.
 Finger ring. P. Grill. Des. 75,838; July 24.
 Finger ring. S. Grossman. Des. 74,432-3; Feb. 14.
 Finger ring. S. Grossman. Des. 76,299; Sept. 11.
 Finger ring. J. W. Krisch. Des. 76,485; Oct. 2.
 Finger ring. J. Kruger and J. Gottlieb. Des. 75,164; May 15.
 Finger ring. M. C. Lang. Des. 74,890; Apr. 10.
 Finger ring. M. Lepow. Des. 76,694; Oct. 23.
 Finger ring. D. Lifin. 1,675,715; July 3.
 Finger ring. H. Quast. 1,695,157; Dec. 11.
 Finger ring. I. H. Seal. Des. 76,763; Oct. 30.
 Finger ring. D. H. Shulan. Des. 77,131; Dec. 4.
 Finger ring. J. B. Ullman. 1,672,355; June 5.
 Finger-wave comb. L. Grom. 1,675,754; July 3.
 Final. H. A. Best. 1,676,422; July 10.
 Final. J. B. Salterini. Des. 75,699; July 3.
 Final member. I. Ormberg. 1,669,670; May 15.
 Finish-strip assembly. W. Marshall. 1,670,466; May 22.
 Finishing device. J. J. W. Kenan. 1,682,678; Aug. 28.
 Finishing machine. W. R. Barclay and F. B. Keall. 1,693,634; Dec. 4.
 Finishing machine. E. G. Carr. 1,665,054; Apr. 3.
 Finishing machine. T. Lund. 1,685,368; Sept. 25.
 Finishing machine, Cloth-. C. G. Richardson. 1,694,865; Dec. 11.
 Pins to cylinders, Attaching. W. H. Thomas. 1,669,071; May 8.
 Pins to tubes, Securing metal. A. J. Berg. 1,668,534; May 1.
 Fire alarm. S. Gianrasso. 1,665,956; Apr. 10.
 Fire alarm. J. E. Irby. 1,688,635; Oct. 23.
 Fire-alarm and police signal boxes, Support for. W. H. Greenlaw. 1,682,613; Aug. 28.
 Fire alarm, Automatic. J. and W. H. Siddall. 1,665,381; Apr. 10.
 Fire-alarm signaling mechanism and the like, Case for. F. B. Love and B. H. Smith. 1,661,258; Mar. 6.
 Firearm. R. Barger. 1,660,216; Feb. 21.
 Firearm. J. E. Brennan and C. C. Loomis. 1,662,025; Mar. 6.
 Firearm. H. S. Conant. 1,685,148; Sept. 25.
 Firearm. F. R. Jones. 1,685,673; Sept. 25.
 Firearm. C. W. Lindsay. 1,674,907; June 26.
 Firearm. C. C. Loomis. 1,682,704; Aug. 28.
 Firearm. C. C. Loomis. 1,686,332; Oct. 2.
 Firearm. R. F. Sedgley. 1,664,049; Mar. 27.
 Firearm. I. J. Tatum. 1,656,453; Jan. 17.
 Firearm, Automatic. J. T. Kewish. 1,696,537; Dec. 25.
 Firearm, Automatic. R. von Frommer. 1,680,186; Aug. 7.
 Firearm for killing cattle. K. A. Thorstenson. 1,668,432; May 1.
 Firearm-holding and trigger-actuating device. A. P. Stark. 1,667,060; Apr. 24.
 Firearm, Single-loading. R. von Frommer. 1,660,282; Feb. 21.
 Firearms, Barrel-cooling device for. J. M. Browning. 1,666,887; Apr. 24.
 Firearms, Combined loader ejector and safety mechanism for. C. Sutter. 1,656,845; Jan. 17.
 Firearms, Device for cleaning. D. C. Hooker. 1,665,961; Apr. 10.
 Firearms, Device for lubricating automatic. C. Soncini. 1,656,960; Jan. 24.
 Firearms, Safety lock for automatic. C. Soncini. 1,656,961; Jan. 24.
 Firearms, Safety mechanism for. R. Von Frommer. 1,681,315; Aug. 21.
 Fireback, Air-circulating. W. J. McCain. 1,693,614; Dec. 4.
 Fire bars, grate surfaces, and the like, Preventing scori-
 fication of. R. Hopfelt. 1,663,944; Mar. 27.
 Fire box, Bending-chamber. L. D. Blackshere. 1,655,934; Jan. 10.
 Fire box for boilers. R. M. Spencer. Re17,088; Sept. 25.
 Fire box for locomotive boilers. G. H. Emerson and O. C. Cromwell. 1,656,475; Jan. 17.
 Firebox for locomotive boilers, Water-tube. G. H. Emerson. 1,687,197; Oct. 9.
 Fire-box foundation ring. L. L. Neebe. 1,688,203; Oct. 16.
 Fire box, Locomotive-boiler. C. G. Hawley. 1,682,964; Sept. 4.
 Fire box, Tunnel-kiln. W. E. Wilson. 1,662,912; Mar. 20.
 Firebrick construction for locomotive fire boxes. P. H. Conniff. 1,674,241; June 19.
 Fire-control instrument. G. B. Crouse. 1,689,327; Oct. 30.
 Firecracker machine. J. B. Decker. 1,665,300; Apr. 10.
 Fire escape. W. W. Johnson. 1,696,357; Dec. 25.
 Fire escape. Z. F. Jones. 1,671,527; May 29.
 Fire escape. W. Kautz. 1,683,138; Sept. 4.
 Fire escapes, Stand for. W. Kautz. 1,655,705; Jan. 10.
 Fire extinguisher. A. C. Badger. 1,691,041; Nov. 13.
 Fire extinguisher. J. R. Boyd. 1,671,398; May 29.
 Fire extinguisher. G. W. Burke, jr. 1,664,450; Apr. 3.
 Fire extinguisher. G. W. Burke, jr. 1,668,940; May 8.
 Fire extinguisher. R. W. Byerly. 1,663,678; Mar. 27.
 Fire extinguisher. H. Griffiths. 1,670,806; May 22.
 Fire extinguisher. R. Kauch and C. L. Paulus. 1,660,713; Feb. 28.
 Fire extinguisher. P. G. MacGregor. 1,688,195; Oct. 16.
 Fire extinguisher. C. Nuhring. 1,670,979; May 22.
 Fire extinguisher. G. T. Pearsons. 1,688,347; Oct. 23.
 Fire extinguisher. D. Siebenmann. 1,674,667; June 26.
 Fire extinguisher. A. Straubhaar. 1,675,232; June 26.
 Fire extinguisher and container for fire-extinguishing liquids and other fluids. R. W. Byerly. 1,663,677; Mar. 27.
 Fire extinguisher, container for fire-extinguishing liquids and other fluids, and making the same. A. L. Loomis. 1,663,665; Mar. 27.
 Fire extinguisher, Hand. E. E. Thomas. 1,665,512; Apr. 10.
 Fire extinguisher, Portable liquid. K. Schmidt. 1,693,671; Dec. 4.
 Fire-extinguisher, sprinkler system. A. J. Loopsinger. 1,675,184; June 26.
 Fire-extinguishing apparatus. F. A. Epps, A. O. Boniface, and W. D. Witter. 1,691,710; Nov. 13.
 Fire-extinguishing apparatus. O. R. Erwin. 1,660,992; Feb. 28.
 Fire-extinguishing apparatus. W. H. Freygang. 1,674,427; June 19.
 Fire-extinguishing apparatus. C. A. Helm. 1,696,800; Dec. 25.
 Fire-extinguishing apparatus and system, Automatic. W. J. Perkins. 1,692,052; Nov. 20.
 Fire-extinguishing apparatus, Foam. W. Graaff. 1,679,859; Aug. 7.
 Fire-extinguishing device, Chemical. J. E. Allen and H. G. Schwoppe. 1,662,053; Mar. 13.
 Fire-extinguishing plant. H. E. Bedford. 1,655,722; Jan. 10.
 Fire-extinguishing sprinkler systems, Valve for. E. Tyden. 1,664,648; Apr. 3.
 Fire-extinguishing system for motion-picture booths. G. A. Mears. 1,660,081; Feb. 21.
 Fire-fighting apparatus. W. M. Newton. 1,663,608; Mar. 27.
 Fire-hose stand. G. Adams. 1,674,493; June 19.
 Fire hydrant, Pressure-boosting. T. Marshall. 1,669,668; May 15.
 Fire, Imitation. H. A. Dickinson. 1,655,987; Jan. 10.
 Fire-monitor stand, Portable folding. W. Macgregor. 1,674,693; June 26.
 Fireplace. J. M. Blanchard. 1,681,606; Aug. 21.
 Fireplace. J. L. Davie. 1,672,115; June 5.
 Fireplace. J. B. Ehrlich. 1,676,484; July 10.
 Fireplace. G. W. Guy. 1,680,513; Aug. 14.
 Fireplace. W. Hallberg. 1,670,034; May 15.
 Fireplace. E. H. Johnson. 1,656,326; Jan. 17.
 Fireplace. J. G. Johnson. Des. 75,849; July 24.
 Fireplace. R. G. Mackay. 1,671,434; May 29.
 Fireplace. J. Richter. 1,670,212; May 15.
 Fireplace. H. H. Walters. 1,681,449; Aug. 21.
 Fireplace and stove, Combined. J. Taliaferro. 1,674,879; June 19.
 Fireplace attachment. L. F. Eisele. 1,676,893; July 10.
 Fireplace damper. A. Nelson. 1,655,873; Jan. 10.
 Fireplace, Domestic. R. O. P. Theobalds. 1,684,749; Sept. 18.
 Fireplace, Electric. D. N. Meany and E. N. Ellsworth. 1,675,418; July 3.
 Fireplace guard. M. J. Skube, jr. 1,683,420; Sept. 4.
 Fireplace, Portable. E. Van Kirk. 1,670,223; May 15.
 Fireplace, Removable. J. Kertes. 1,683,079; Sept. 4.

- Fireplace screen. O. B. Bach. Des. 74,341-2; Feb. 7.
 Fireplace screen. O. B. Bach. Des. 75,321; May 29.
 Fireplace screen. Q. Harader. 1,659,526; Feb. 14.
 Fireplace structure. J. W. Marks. 1,681,670; Aug. 21.
 Fireplaces with highly-inflammable loose fuel, Apparatus for charging. E. Simon. 1,667,703; Apr. 24.
 Fire-pot construction. O. J. Groehn. 1,661,820; Mar. 6.
 Fire pot for fuel-oil burners. W. J. Press. 1,672,084; June 5.
 Fire-pot mold. J. P. N. Wood. 1,665,650; Apr. 10.
 Fireproof and antirotting composition. T. Shiga. 1,674,802; June 26.
 Fireproof buildings, Construction of. H. Sorensen. 1,662,480; Mar. 13.
 Fireproof floor construction, Means for use in making. S. Macomber. 1,670,462; May 22.
 Fireproof safe. C. J. Bates, jr. 1,688,106; Oct. 16.
 Fireproof safe construction. G. C. Brainard, J. A. Fitch, and E. E. Wolters. 1,666,486; Apr. 17.
 Fire-resisting composition. J. R. Watson. 1,663,577; Mar. 27.
 Fire safety device for dwellings and factories. A. Mercer. 1,678,520; July 24.
 Fire safety means. H. A. Downs. 1,660,867; Feb. 28.
 Fire shield. M. J. Strzelecki. 1,669,267; May 8.
 Fire still and oil treater. F. E. Gilmore. 1,664,920; Apr. 3.
 Fire-tube boiler. J. Petty. 1,675,724; July 3.
 Fire wall. M. Liptak. 1,665,556; Apr. 10.
 Fire-wall construction. M. Liptak. 1,688,192; Oct. 16.
 Firewood-splitting machine. W. R. Schmidt. 1,666,795; Apr. 17.
 Firework, Detonating. H. Reihlen. 1,693,818; Dec. 4.
 Fireworks and blank for making the same. W. H. Willson. 1,667,180; Apr. 24.
 Firing door. R. T. Horton. 1,683,892; Sept. 11.
 Firing mechanism, Percussion. O. D. Lucas. 1,675,118; June 26.
 Fish bait. J. L. Donaly. 1,677,176; July 17.
 Fish bait. C. Heddon. 1,663,080; Mar. 20.
 Fish bait. W. W. Helle. 1,689,027; Oct. 23.
 Fish bait. W. M. Jordan. 1,657,966; Jan. 31.
 Fish bait. C. L. Kendall. 1,657,164; Jan. 24.
 Fish bait, Making. E. Coffman. 1,659,132; Feb. 14.
 Fish bait, Weedless. F. W. Beidatsch. 1,694,697; Dec. 11.
 Fish-cleaning machinery. B. Vale. 1,693,570; Nov. 27.
 Fish-cutting machine. A. V. Sullivan. 1,655,681; Jan. 10.
 Fish directing and turning apparatus. F. Heath. 1,689,919; Oct. 30.
 Fish-directing apparatus. F. Heath. 1,689,920; Oct. 30.
 Fish elevator. A. A. and C. H. Bennett. 1,680,722; Aug. 14.
 Fish filets, Smoking. J. R. Turner. 1,667,574; Apr. 24.
 Fish flake. G. M. Johnston. 1,667,553; Apr. 24.
 Fish grapple. A. E. Glessale. 1,665,661; Apr. 10.
 Fish guard. J. R. Cooke. 1,663,398; Mar. 20.
 Fishhook. J. E. Howell. 1,681,407; Aug. 21.
 Fish lifter. J. Litwin. Des. 76,143; Aug. 21.
 Fish lure. R. L. and C. W. Clewell. 1,691,225; Nov. 13.
 Fish lure. F. Guindom. 1,673,978; June 19.
 Fish lure. E. Prieur. Des. 74,759; Mar. 20.
 Fish lure. J. A. Sebenius. 1,669,350; May 8.
 Fish reel, Free-spool level-wind. J. Kautzky, jr. 1,663,800-1; Mar. 27.
 Fish scaler. C. T. Pflueger. 1,693,566; Nov. 27.
 Fish-scaling machine. E. A. Gallison. 1,692,984; Nov. 27.
 Fish screen. G. C. Kinney. 1,692,451; Nov. 20.
 Fish-smoking apparatus. J. R. Turner. 1,667,573; Apr. 24.
 Fish-stop screen. S. L. Arnold. 1,658,875; Feb. 14.
 Fish stringer. J. C. James. 1,674,045; June 19.
 Fish, Treating. D. D. Peebles. 1,677,364; July 17.
 Fishing and retrieving otter. J. Hansen. 1,678,593; July 24.
 Fishing apparatus. L. E. Baker. 1,690,440; Nov. 6.
 Fishing device. J. Otto. 1,672,498; June 5.
 Fishing device. C. V. Willoughby. 1,670,275; May 15.
 Fishing fly. S. M. Wright and A. D. McGill. 1,657,734; Jan. 31.
 Fishing-line attachment. J. W. Bond. 1,670,185; May 15.
 Fishing lure. H. E. Foster. Des. 74,497; Feb. 21.
 Fishing lure. J. P. Shannon. 1,678,448; July 24.
 Fishing machine. J. A. Suarez. 1,659,413; Feb. 14.
 Fishing net. J. F. Muldoon. 1,657,892; Jan. 31.
 Fishing-pole holder. E. K. Hemming. 1,654,876; Jan. 3.
 Fishing reel. W. L. Adams and C. T. Pflueger. 1,691,622; Nov. 13.
 Fishing reel. F. M. Case. 1,688,135; Oct. 16.
 Fishing reel. F. M. Case. 1,689,914; Oct. 30.
 Fishing reel. F. M. Case. 1,690,401; Nov. 6.
 Fishing reel. C. T. Pflueger. 1,682,709; Aug. 28.
 Fishing reel. S. G. Russell. 1,654,667; Jan. 3.
 Fishing reel. S. G. Russell and P. Workman, jr. 1,678,446; July 24.
 Fishing reel. W. Shakespear, jr. 1,674,744; June 26.
 Fishing reel. C. E. Stocking. 1,662,347; Mar. 13.
 Fishing reel. J. vom Hofe. 1,673,382; June 12.
 Fishing reel, Level-winding. R. B. Bennett. 1,676,678; July 10.
 Fishing reels, Attachment for. G. Newville. 1,663,853; Mar. 27.
 Fishing reels, Level-wind mechanism for. C. T. Pflueger and W. L. Adams. 1,692,466; Nov. 20.
 Fishing-rod holder. H. Kempf and A. Kiefer. 1,666,705; Apr. 17.
 Fishing rods, Hook holder for. C. T. Pflueger. 1,662,983; Mar. 20.
 Fishing tackle. P. J. Bode. 1,696,026; Dec. 18.
 Fishing-tackle attachment. M. Murray. 1,665,144; Apr. 3.
 Fishing tackle, Luminous. J. A. Neff. 1,663,465; Mar. 20.
 Fishing-tool guide. R. D. Hill and W. W. Foster. 1,691,972; Nov. 20.
 Fishing tool. R. N. Vickers. 1,689,702; Oct. 30.
 Fishplate. J. G. Coullie and J. L. Cadis. 1,693,775; Dec. 4.
 Fishplate. M. W. P. McNamara. 1,690,744; Nov. 6.
 Fitting. F. A. Drees. 1,681,470; Aug. 21.
 Fitting, Drainage. E. W. N. Boosey. 1,669,586; May 15.
 Fitting for drainage of lubricants from lubricant-containing cases. L. S. Bessonnet. 1,687,823; Oct. 16.
 Fitting for plumbing systems, Clean-out. E. W. M. Boosey. 1,684,572; Sept. 18.
 Fitting machine, Heel-seat. W. C. Stewart. 1,676,297; July 10.
 Fitting, Water-closet. C. C. Campus. 1,683,036; Sept. 4.
 Fittings to filter leaves, Device for applying outlet. L. L. Edmunds. 1,657,793; Jan. 31.
 Fixture. E. O. Fredericks. 1,678,249; July 24.
 Fixture. W. Harrison and E. E. Lunceford. 1,686,856; Oct. 9.
 Fixture, Adjustable holding. L. Bady and S. Levinson. 1,681,273; Aug. 21.
 Fixture, Anchorage. W. G. and T. A. Hemsworth. 1,662,059; Mar. 13.
 Fixture, Awning. J. W. Shaw. 1,673,782; June 12.
 Fixture-body switch. H. J. Morey. 1,682,849; Sept. 4.
 Fixture bracket. G. N. Littleton. 1,688,193; Oct. 16.
 Fixture, Centrifugal. C. G. Hawley. 1,684,020; Sept. 11.
 Fixture, Combination. F. Schuler. 1,680,119; Aug. 7.
 Fixture, Culinary. W. R. Walker. 1,696,464; Dec. 25.
 Fixture, Filing. A. J. Cichon. 1,684,011; Sept. 11.
 Fixture for rolling-awning frames. C. E. Davis and G. Engel. 1,670,190; May 15.
 Fixture for shaving off fillings in clutch plates. E. C. Myers. 1,689,797; Oct. 30.
 Fixture hanger. T. A. Brown. 1,679,706; Aug. 7.
 Fixture, Lavatory. E. G. Smith. 1,676,116; July 3.
 Fixture, Sanitary. R. E. Crane. 1,690,478; Nov. 6.
 Fixture, Speak-hole. C. L. Wolfe and J. A. Faurot. 1,671,690; May 29.
 Fixture, Store. J. P. Moore. 1,686,291; Oct. 2.
 Fixture strap, Adjustable. G. Lipschutz. 1,659,404; Feb. 14.
 Fixture stud. G. C. Thomas, jr. 1,659,060; Feb. 14.
 Fixture support. C. H. Oppenheimer. 1,658,570; Feb. 7.
 Fixture, Toilet-paper. W. E. Swift. 1,687,741; Oct. 16.
 Flag. M. F. Despecher. 1,663,400; Mar. 20.
 Flag and maintaining same, Signal. D. F. Jones. 1,662,190; Mar. 13.
 Flag arm and rod assembly. W. D. Dickey. 1,656,697; Jan. 17.
 Flag attachment. C. Sullivan. 1,680,703; Aug. 14.
 Flag-flying device. C. A. Lapworth. 1,660,341; Feb. 28.
 Flag holder and support therefor. L. A. Ames. 1,677,379; July 17.
 Flagpole construction. A. E. Lingo. 1,679,313; July 31.
 Flag stand. I. K. Martin. Des. 74,939; Apr. 17.
 Flame arrester. S. H. Brooks. 1,681,698; Aug. 21.
 Flame shield. R. C. Angell. Des. 76,215; Sept. 4.
 Flange, No-slip. P. Mueller and A. C. Schuermann. 1,688,629; Oct. 23.
 Flange, Closet. E. W. N. Boosey. 1,684,570; Sept. 18.
 Flange, Reinforced. F. Hinneken. 1,684,396; Sept. 18.
 Flanges on pipes, Forming. F. C. Fantz. 1,696,229; Dec. 25.
 Flangeway and railway rail-guard structure. P. E. Gerhard. 1,672,023; June 5.
 Flanging can bodies and flanging head for carrying out the same. H. A. Fink. 1,695,232; Dec. 11.
 Flare or signal, Aeroplane. S. Wiley. 1,683,939; Sept. 11.
 Flare, Parachute. G. M. Ball. 1,686,117; Oct. 2.
 Flash boiler. A. G. Garbutt. 1,680,608; Aug. 14.
 Flash light. R. Amat and W. W. Blake. 1,672,797; June 5.
 Flash light. E. R. Barany. 1,676,849; July 10.
 Flash light. G. V. C. Freeland. 1,669,314; May 8.
 Flash light. W. F. Hendry. 1,656,067; Jan. 10.
 Flash light. F. L. Humeston. 1,659,569; Feb. 21.
 Flash light. H. M. Koretsky. 1,666,420; Apr. 17.
 Flash light. A. S. Lynne. 1,696,720; Dec. 25.
 Flash light. H. Olaneta. 1,666,264; Apr. 17.
 Flash light. C. Osean. 1,680,169; Aug. 7.
 Flash light. C. Osean. 1,680,800; Aug. 14.
 Flash light. C. Osean. 1,691,989; Nov. 20.
 Flash light. J. T. Roffy. 1,669,392; May 8.
 Flash light. J. Rosenberg. 1,671,744; May 29.
 Flash light. A. Sundh. 1,692,394; Nov. 20.
 Flash light. F. L. Weber. 1,680,188; Aug. 7.
 Flash-light apparatus, Electric. G. Dalén. 1,692,629; Nov. 20.
 Flash-light battery. W. R. Millar. 1,654,823; Jan. 3.
 Flash-light gun. L. Clergy. 1,671,406; May 29.

- Flash-light standard. W. C. Embury. 1,658,188-9; Feb. 7.
- Flash lights for testing electric circuits, Means adapting electric. L. T. Hook. 1,668,847; May 8.
- Flash lights, Switch for electric. R. M. Eaton. 1,659,864; Feb. 21.
- Flasher. C. Lindahl. 1,673,834; June 19.
- Flashing for roof construction. F. Dow. 1,685,525; Sept. 25.
- Flashing, Sill. G. L. Cherry. 1,677,130; July 17.
- Flashing structure. E. M. Tucker. 1,694,521; Dec. 11.
- Flask: See—
Dental flask. Mixing flask.
Foundry flask.
- Flask. F. W. Lauer. Des. 74,933; Apr. 17.
- Flask. F. B. Miller. 1,657,225; Jan. 24.
- Flask clamp. H. M. Carroll, sr. 1,687,195; Oct. 9.
- Flask for centrifugal sand molds. W. H. Beatty. 1,681,085; Aug. 14.
- Flask for laboratory purposes. H. Thiene, P. H. Prausnitz, and G. Schott. 1,659,883; Feb. 14.
- Flasks, Corner construction for molding. D. C. Coble. 1,654,531; Jan. 3.
- Flat for cellular fillers. L. Oxhandler. 1,687,224; Oct. 9.
- Flatiron. E. D. Campbell. 1,665,295; Apr. 10.
- Flatiron, Automatic current-cut-out electric. J. J. Shea. 1,693,256; Nov. 27.
- Flatiron, Electric. W. A. DeHart. 1,691,627; Nov. 13.
- Flatiron support. C. E. Wendell. 1,692,599; Nov. 20.
- Flatirons, Construction for. R. S. Blair. 1,681,214; Aug. 21.
- Flatirons, Stand for electric. C. L. Moyer. 1,665,708; Jan. 10.
- Flavoring material, Solid. H. T. Leo. 1,686,670; Oct. 9.
- Flexible and adjustable gauge. A. F. Lange. 1,670,456; May 22.
- Flexible connection. H. W. Bell. 1,660,031; Feb. 21.
- Flexible connection. C. Knowles. 1,659,270; Feb. 14.
- Flexible coupling. C. H. Clark. 1,689,861; Oct. 30.
- Flexible coupling. G. A. Dalton. 1,668,586; May 8.
- Flexible coupling. J. R. Dunham. 1,692,978; Nov. 27.
- Flexible coupling. E. J. Hall. 1,666,494; Apr. 17.
- Flexible coupling. S. Jencick. 1,691,116; Nov. 13.
- Flexible coupling. S. Jencick. 1,694,064; Dec. 4.
- Flexible coupling. E. G. Kimmich. 1,662,006; Mar. 6.
- Flexible coupling. A. Lanz. 1,668,536; May 1.
- Flexible coupling. J. M. Melott. 1,671,436; May 29.
- Flexible coupling. F. L. Morse. 1,668,330; May 1.
- Flexible coupling. A. P. Steiner. 1,681,793; Aug. 21.
- Flexible coupling. W. E. Trumpler. 1,682,444; Aug. 28.
- Flexible coupling. G. A. Ungar. 1,664,052; Mar. 27.
- Flexible coupling. L. E. Zerbe. 1,657,773; Jan. 31.
- Flexible coupling, Manufacturing. G. H. Thomas. 1,674,075; June 19.
- Flexible joint. A. B. Clisson. 1,665,655; Apr. 10.
- Flexible joint. L. H. Gillick. 1,665,810; Apr. 10.
- Flexible ventilator. C. M. Willis. 1,677,910; July 24.
- Flexibility of the joints of the hands, Apparatus for promoting the. H. Ostrovsky. 1,676,664; July 10.
- Flexor and stretcher, Combination shoe. W. J. Kappel. 1,678,394; July 24.
- Fitting device. C. F. Poole. 1,692,861; Nov. 27.
- Floater. M. W. Iden. 1,677,450; July 17.
- Floater. W. E. Rawlings. 1,671,874; May 29.
- Floater ball. P. H. Coleman. 1,690,057; Oct. 30.
- Floater for use in bathing. E. S. Stanton. 1,656,840; Jan. 17.
- Floater for use in storage tanks for volatile liquids. B. Newman and O. Wickham. 1,671,650; May 29.
- Floater light. E. J. Anderson. 1,691,508; Nov. 13.
- Floater, Process and apparatus for use in connection with. C. J. W. Hentschell and G. H. Wheldon. 1,657,160; Jan. 24.
- Flood light. H. L. Johnston. 1,681,153; Aug. 14.
- Floor and ceiling construction. R. Murray. 1,679,914; Aug. 7.
- Floor and ceiling construction. H. E. White. 1,669,111; May 8.
- Floor and ceiling plate. E. L. Ridler. Re17,056; July 31.
- Floor and ceiling plate, Combination. J. B. Holden. 1,678,388; July 24.
- Floor block for disposal tanks. J. M. Norton. 1,687,782; Oct. 16.
- Floor cleaner. W. Deutscher. 1,687,283; Oct. 9.
- Floor clip. C. L. Howard. 1,678,143; July 24.
- Floor construction. S. H. Campbell. 1,669,187; May 8.
- Floor construction. T. J. Foster. 1,666,061; Apr. 10.
- Floor construction. J. H. Mitter. 1,664,638; Apr. 3.
- Floor construction. E. N. Murphy. 1,693,655; Dec. 4.
- Floor covering. N. L. Campbell. 1,664,589; Apr. 3.
- Floor covering. J. E. A. Egleson. 1,691,708; Nov. 13.
- Floor covering. I. J. Novak. 1,672,537; June 5.
- Floor, Elastic composition. F. E. Boelkow and F. W. O. Listing. Re17,010; June 26.
- Floor fill and installing the same. H. S. Ashenhurst. 1,674,628; June 26.
- Floor filler with pyroxylin base. A. M. Taylor and F. A. Buote. 1,665,383; Apr. 10.
- Floor-finish apparatus. G. Geary. 1,694,738; Dec. 11.
- Floor for elevator cars, Movable. J. Rice. 1,687,794; Oct. 16.
- Floor joiner. S. C. Awbrey. 1,667,712; May 1.
- Floor jointing or tightening device. F. W. Arzt. 1,665,430; Apr. 10.
- Floor-laying device. P. Galassi. 1,667,313; Apr. 24.
- Floor machine. F. W. Yutzler. 1,675,078; June 26.
- Floor mat, Linoleum. A. C. Sloate and J. C. Whyte. Des. 74,196-7; Jan. 3.
- Floor mold, Concrete. W. S. Haldeman. 1,682,750; Sept. 4.
- Floor-nailing machine, Hardwood-. W. W. Vilneau and E. Chittenden. 1,671,660; May 29.
- Floor, Nonslip. D. J. Murnane. 1,686,919; Oct. 9.
- Floor or ceiling plate. W. Macristy. 1,675,983; July 3.
- Floor outlet. E. A. Staples. 1,692,097; Nov. 20.
- Floor panels, Parquet-. E. S. Daniels. 1,660,480; Feb. 28.
- Floor, Porous concrete. K. P. Billner. 1,660,370; Feb. 28.
- Floor scraper. N. Binger. 1,665,766; Apr. 10.
- Floor-screed-support device. J. M. Milburn and G. G. Filson. 1,664,370; Mar. 27.
- Floor scrubber, Electric. C. Deptula. 1,661,412; Mar. 6.
- Floor shim. J. A. Bohnsack. 1,675,593; July 3.
- Floor, Soundproofed shock-absorbed laundry. E. N. Murphy. 1,692,855; Nov. 27.
- Floor-surfacing machines, Dustpan for. I. V. Spurlin. 1,681,506; Aug. 21.
- Floor switch. H. W. Crane. 1,660,070; Feb. 21.
- Floor-treating machine. W. S. Fennell. 1,670,302; May 22.
- Floor-treating machine. E. Sproston. 1,661,510; Mar. 6.
- Floor vent. A. J. Filkins. 1,690,001; Oct. 30.
- Flooring. W. I. Brown. 1,669,652; May 15.
- Flooring. C. C. Loomis. 1,682,530; Aug. 28.
- Flooring, Apparatus for manufacturing matched. C. R. McLaughlin. 1,667,668; Apr. 24.
- Flooring, Dividing strip for terrazzo. P. Galassi. 1,677,760; July 17.
- Flooring, Metal. C. M. Mugler. 1,676,570; July 10.
- Flooring plate for shops and like uses, Metallic. L. Saives. 1,686,106; Oct. 2.
- Flooring, Rubber. V. Lefebure. 1,694,476; Dec. 11.
- Flooring, Rubber-composition. J. B. Losey and W. R. Stone. 1,678,948; July 31.
- Floral rack. C. J. White. 1,689,988; Oct. 30.
- Floral vessel. A. J. Sanford. Des. 75,653; June 26.
- Flotation concentration. R. E. Phelan and S. P. Lowe. 1,690,907; Nov. 6.
- Flotation machine. E. H. Shackelford, jr. 1,678,087; July 24.
- Flotation method. G. L. Adams. 1,678,311; July 24.
- Flotation process. R. Ellis. 1,657,666; Jan. 31.
- Flotation process. A. H. Fischer. 1,684,536; Sept. 18.
- Flotation process. C. Shapley. 1,689,693; Oct. 30.
- Flour and producing the same, Soya-bean. G. Albers. 1,684,654; Sept. 18.
- Flour, Application of cold to the manufacture of. J. J. B. Loizillon. 1,687,300; Oct. 9.
- Flour-treating process. F. L. Dunlap. 1,661,250; Mar. 6.
- Flow-control means. G. L. Reichhelm. 1,672,500; June 5.
- Flow controller, Rate-of-. M. F. Stein. 1,685,205; Sept. 25.
- Flow indicator. C. D. Fagan. 1,673,000; June 12.
- Flow indicator, Automobile radiator. I. A. Weaver. 1,693,211; Nov. 27.
- Flow meter. C. A. Dawley. 1,679,776; Oct. 30.
- Flow meter. C. A. Dawley. 1,682,602; Aug. 28.
- Flow meter. H. F. Fisher. 1,671,106; May 29.
- Flow meter. M. A. Goetz. 1,673,674; June 12.
- Flow meter. C. P. Mayer. 1,665,141; Apr. 3.
- Flow meter. W. L. Paulson, jr. 1,674,481; June 19.
- Flow meter. E. M. Scoville. 1,677,411; July 17.
- Flow meter. J. Walsh. 1,670,089; May 15.
- Flow-regulating apparatus. L. de Flore. Re16,904; Mar. 13.
- Flow regulation. J. A. Hedgecock. 1,687,446; Oct. 9.
- Flow regulator. O. Larsen. 1,684,835; Sept. 18.
- Flow regulator, Liquid-. P. M. Freer. 1,687,286; Oct. 9.
- Flow regulator, Liquid-. O. B. Schellberg. 1,677,732; July 17.
- Flower and plant box. B. A. Hubert. 1,666,240; Apr. 17.
- Flower, Artificial. J. E. Stevens. 1,657,184; Jan. 24.
- Flower box. H. Clark. Des. 75,355; May 29.
- Flower box. H. D. Shapiro. 1,690,910; Nov. 6.
- Flower holder. R. G. Cowan. Des. 75,215-19; May 22.
- Flowerpot. C. E. Carlson and A. C. Grunwald. Des. 75,829; July 24.
- Flower pot-base former. J. Kelso. 1,677,391; July 17.
- Flowerpot device. R. J. Thompson, and C. Fisher. 1,683,271; Sept. 4.
- Flowerpot or similar article. M. A. Buchwalter. Des. 76,606; Oct. 16.
- Flower scone or similar article. J. R. Peirce, 3d, and G. M. Andrews, 2d. Des. 74,944; Apr. 17.
- Flower stand. R. M. Bauer. Des. 77,049; Dec. 4.
- Flower stand. J. B. Salterini. Des. 76,898-9; Nov. 13.
- Flowers, Manufacture of artificial. R. J. de Gerson. 1,694,844; Dec. 11.
- Flowing device, Stage-lift. A. Boynton. 1,686,262; Oct. 2.
- Flue cap, Deflector. J. A. McCarthy. Des. 75,803; July 17.
- Flue cleaner. L. W. Johnson. 1,683,619; Sept. 11.
- Flue cleaner, Furnace-. T. Olinger. 1,686,249; Oct. 2.
- Flue cleaning, cutting, and handling machine. J. T. McGrath. 1,667,388; Apr. 24.
- Flue dust for smelting in blast furnaces, Preparing. F. F. Marquard. 1,680,107; Aug. 7.

- Flue dust, Treating. K. M. Simpson. 1,661,636; Mar. 6.
 Flue for drying machines, Moist-air. F. L. Furbush. 1,671,523; May 29.
 Flue heater. W. D. Johnston. 1,677,636; July 17.
 Flue joint. R. B. Housley. 1,658,525; Feb. 7.
 Flue, Lint. C. L. Bothwell and K. C. Barton. 1,657,563; Jan. 31.
 Flue pipes in chimneys, Attaching. R. P. Collins. 1,676,133; July 3.
 Fluid-abradant-supplying means. A. E. Maynard. 1,666,713; Apr. 17.
 Fluid-actuated brake. F. Snyder. 1,674,378; June 19.
 Fluid-actuated jack. T. W. Pedersen. 1,690,037; Oct. 30.
 Fluid and gas trap. F. A. Langherst. 1,696,492; Dec. 25.
 Fluid, Apparatus for elevating. L. H. Miles. 1,663,311; Mar. 20.
 Fluid-break switch. J. D. Hilliard. 1,696,604; Dec. 25.
 Fluid-circulating plate. A. G. Kessler. 1,664,628; Apr. 3.
 Fluid cleaner, Elastic. J. L. Torkelson. 1,681,382; Aug. 21.
 Fluid compressor. W. Wishart. 1,661,399; Mar. 6.
 Fluid-control device. E. J. Kearney. 1,678,049; July 24.
 Fluid-control device, Adjustable. E. J. Kearney. 1,678,050; July 24.
 Fluid-controlling means. C. L. Snow. 1,662,723; Mar. 13.
 Fluid-cooled roll. A. E. Evans. 1,671,819; May 29.
 Fluid-cooled roll. H. K. Hitchcock. 1,657,212; Jan. 24.
 Fluid, Device for causing flow of. I. H. Spencer. 1,669,581; May 15.
 Fluid-displacing apparatus. A. C. Durdin, jr. 1,664,249; Mar. 27.
 Fluid elevator. D. B. Dennis and C. Wilson. 1,666,962; Apr. 24.
 Fluid-flow meter. W. W. Hamill. 1,684,316; Sept. 11.
 Fluid-fuel burner. P. Johnson. Re16,871; Feb. 7.
 Fluid-fuel furnace. H. V. Leahy. 1,663,713; Mar. 27.
 Fluid gun. A. B. Cummer. 1,657,070; Jan. 24.
 Fluid-handling section, and pressure-creating apparatus. B. Skidmore, jr. 1,690,254; Nov. 6.
 Fluid heater. W. Innes. 1,696,306; Dec. 25.
 Fluid heating. J. E. Bell. 1,666,028; Apr. 10.
 Fluid indicator. H. Hastings. 1,693,031; Nov. 27.
 Fluid meter. B. Greenfield. 1,660,503; Feb. 28.
 Fluid, Method of and apparatus for compressing. C. D. Ehret. 1,687,550; Oct. 16.
 Fluid motor. D. Bonetto. 1,677,745; July 17.
 Fluid motor. A. V. Da Costa. 1,658,076; Feb. 7.
 Fluid motor, Pressure. M. P. Holmes. 1,689,587; Oct. 30.
 Fluid or mixture supply for internal-combustion engines. O. J. Gingerich. 1,671,898; May 29.
 Fluid-pressure-actuating device. G. S. Turner. 1,671,498; May 29.
 Fluid-pressure apparatus, Casing for. A. Hollander. 1,655,546; Jan. 10.
 Fluid-pressure booster. J. D. Langdon. 1,680,460; Aug. 14.
 Fluid-pressure brake. A. Chevillot. 1,682,214; Aug. 28.
 Fluid-pressure brake. J. M. Dapron. 1,657,526; Jan. 31.
 Fluid-pressure brake. C. C. Farmer. 1,657,530; Jan. 31.
 Fluid-pressure brake. C. C. Farmer. 1,660,485; Feb. 28.
 Fluid-pressure brake. C. C. Farmer. 1,668,009-10; May 1.
 Fluid-pressure brake. C. C. Farmer. 1,681,576-8; Aug. 21.
 Fluid-pressure brake. C. C. Farmer. 1,685,842; Oct. 2.
 Fluid-pressure brake. C. C. Farmer and T. H. Thomas. 1,671,089; May 22.
 Fluid-pressure brake. M. B. Jackson. 1,659,203; Feb. 14.
 Fluid-pressure brake. G. Macloskie. 1,661,899; Mar. 6.
 Fluid-pressure brake. H. E. Marsh. 1,692,676; Nov. 20.
 Fluid-pressure brake. J. C. McCune. 1,685,855; Oct. 2.
 Fluid-pressure brake. T. H. Thomas. 1,693,943; Dec. 4.
 Fluid-pressure brake. T. H. Thomas and C. A. Nelson. 1,681,561; Aug. 21.
 Fluid-pressure brake. T. H. Thomas and C. A. Nelson. 1,693,627; Dec. 4.
 Fluid-pressure device. B. A. Linderman. 1,661,295; Mar. 6.
 Fluid-pressure device. J. Robson. 1,659,374; Feb. 14.
 Fluid-pressure engine. R. Hamonds. 1,680,877; Aug. 14.
 Fluid-pressure motor. E. Duchesne. 1,669,233; May 8.
 Fluid-pressure motor. E. G. Gartin. 1,679,128; July 31.
 Fluid-pressure-operated device. B. A. Linderman. 1,690,543; Nov. 6.
 Fluid-pressure-operated devices, Throttling. E. Falcke. 1,672,716; June 5.
 Fluid-pressure regulation, System of. W. L. Oswald. 1,670,313; May 22.
 Fluid-pressure regulator. P. M. Grant. 1,695,330; Dec. 18.
 Fluid-pressure regulator. A. F. Jenkins. 1,679,826; Aug. 7.
 Fluid-pressure tank. C. Aalborg. 1,687,641; Oct. 16.
 Fluid pressures, Governing. G. G. Earl. 1,659,354; Feb. 14.
 Fluid pulsations, Minimizing. H. F. Schmidt. 1,663,998; Mar. 27.
 Fluid purifier. F. J. Simington. 1,667,954; May 1.
 Fluid receptacles, Detachable spout for. F. M. Owen. 1,662,043; Mar. 6.
 Fluid regulator. O. B. Goldkamp. 1,679,215; July 31.
 Fluid separator. H. E. Boyrie. 1,674,945; June 26.
 Fluid separator. G. D. Bradshaw. 1,678,844; July 31.
 Fluid separator. G. D. Bradshaw. 1,686,067; Oct. 2.
 Fluid transmission. C. A. Coyle. 1,654,794; Jan. 3.
 Fluid under pressure, Apparatus for storing. L. J. Le Mesurier. 1,692,670; Nov. 20.
 Fluidity-control system. H. H. Wermine. 1,664,839; Apr. 3.
 Fluids and other substances with ultraviolet rays, Method and apparatus for charging. E. L. Cunningham and H. F. Macbeth. 1,659,085; Feb. 14.
 Fluids, Apparatus for and method of treating. J. P. Ball. 1,662,180; Mar. 13.
 Fluids, Apparatus for proportionately mixing. G. W. McKee. 1,684,500; Sept. 18.
 Fluids from gases, Apparatus for absorbing. E. Pron. 1,664,483; Apr. 3.
 Fluids, Regulation of flow of. K. Huessener. 1,673,872; June 19.
 Fluids through pipes or conduits, Method and apparatus for the transmission of. H. C. Hayes. 1,671,719; May 29.
 Fluids to burners, Apparatus for delivery of. G. M. Peltz. 1,665,145; Apr. 3.
 Flume. A. L. Gage. 1,657,157; Jan. 24.
 Flume construction. R. E. Barnard. 1,667,234; Apr. 24.
 Flush-control means for water-closet hoppers. W. U. Griffiths. 1,683,884; Sept. 11.
 Flush-surface fill device. A. T. Wakefield. 1,690,914; Nov. 6.
 Flush tank. J. Bartosik. 1,688,797; Oct. 23.
 Flush tank. W. Frankenberger. 1,671,361; May 29.
 Flush tank. J. S. Sweeney. 1,667,750; May 1.
 Flush-tank bulb. F. A. Cigol and F. T. Roberts. 1,668,803; May 8.
 Flush-tank fitting. A. W. Wellington. 1,685,259; Sept. 25.
 Flush-valve housing. A. Rogers. 1,682,351; Aug. 28.
 Flushing and ventilating apparatus for closets. H. C. Bowlus. 1,664,588; Apr. 3.
 Flushing apparatus. P. Haas. 1,660,922; Feb. 28.
 Flushing apparatus for water-closets with closed flushing boxes. G. Krauss. 1,658,169; Feb. 7.
 Flushing device. M. Frémion. 1,654,870; Jan. 3.
 Flushing device. Siphonic. R. Heydrich y Martinez. 1,670,370; May 22.
 Flushing mechanism. J. A. Vogel. 1,695,621; Dec. 18.
 Flushing system. C. Fabian. 1,665,777; Apr. 10.
 Flushing tank. J. K. Northrop. 1,659,922; Feb. 21.
 Fluxing compound. D. C. Lee. 1,670,459; May 22.
 Flycatcher. H. N. Linding. 1,660,011; Feb. 21.
 Flycatcher. C. March. 1,666,785; Apr. 17.
 Fly holder. J. I. Case. 1,669,928; May 15.
 Fly net for horses. A. Montels. 1,677,839; July 17.
 Fly-paper holder. L. M. S. Brown. 1,663,437; Mar. 20.
 Fly paper, Sticky. O. Berghorn. 1,655,128; Jan. 3.
 Fly scarer. F. E. Sharp. 1,659,377; Feb. 14.
 Fly screen. T. Mills. 1,683,204; Sept. 4.
 Fly shoe. A. Cain. 1,689,112; Oct. 23.
 Fly swatter. E. L. Henderson. 1,662,264; Mar. 13.
 Fly swatter. J. A. Lubbers. 1,665,270; Apr. 10.
 Flytrap. A. Babi. 1,656,969; Jan. 24.
 Flytrap. H. G. A. Schlossareck. 1,666,509; Apr. 17.
 Flytrap, Electric. W. Duquaine and H. M. Peterson. 1,656,698; Jan. 17.
 Flytrap, Electric. D. Filler. 1,664,027; Mar. 27.
 Flywheel. A. A. Alexander. 1,684,568; Sept. 18.
 Flywheel. J. Ranz. 1,663,814; Mar. 27.
 Flywheel and centrifugal clutching mechanism therefor, Multiple. J. O. Carrey. 1,683,954; Sept. 11.
 Flywheel and fan construction. R. R. Stitt. 1,669,951; May 15.
 Flying ball. L. Humphreys. 1,670,810; May 22.
 Flying horse. C. R. Harding. 1,692,655; Nov. 20.
 Flying machine. R. S. Braugh. 1,656,468; Jan. 17.
 Flying machine. G. Ferguson. 1,657,669; Jan. 31.
 Flying machine. T. M. Finley. 1,677,962; July 24.
 Flying machine. W. H. Goynes. 1,665,091; Apr. 3.
 Flying machine. W. T. James. 1,655,317; Jan. 3.
 Flying machine. R. J. L. Moineau. 1,656,492; Jan. 17.
 Flying machine. C. E. Moore. 1,656,600; Jan. 17.
 Flying machine. J. P. O'Connor. 1,675,988; July 3.
 Flying machine. P. Valentin. 1,684,163; Sept. 11.
 Flying-machine landing light. P. V. Van Vloten and E. Klebert. 1,654,621; Jan. 3.
 Flying machines, Buoying and driving mechanism for. G. Hedén. 1,680,680; Aug. 14.
 Flying shear. W. T. Marterstick. 1,668,777; May 8.
 Flying shears. F. C. Bigger, jr. 1,684,617; Sept. 18.
 Flying top. J. Duchesneau. 1,681,524; Aug. 21.
 Foam from foam-developing substances, Generating. R. Schnabel. 1,669,213; May 8.
 Focusing-adjustment device. C. E. Godley. 1,689,918; Oct. 30.
 Focusing device. C. E. Godley. 1,673,325; June 12.
 Focusing device. A. H. Handlan. 1,688,619; Oct. 23.
 Focusing device. B. F. Lollis. 1,679,577; Aug. 7.
 Focusing device, Lamp. S. E. Brown. 1,694,765; Dec. 11.
 Focusing device, Universal. J. F. Pagendam. 1,694,830; Dec. 11.
 Focusing light sources in projectors. E. A. Everett. 1,690,364; Nov. 6.
 Fodder cutter. O. B. Clemens. 1,657,109; Jan. 24.
 Fodder cutter and the like. O. B. Clemens. 1,663,114; Mar. 20.
 Foldable box. M. Hirsch. 1,670,036; May 15.
 Foldable chair. F. Corser and W. Peach. 1,686,599; Oct. 9.

- Foldable chair. G. W. Fischer and W. F. Sund. 1,661,937; Mar. 6.
- Foldable seat. D. R. Nichols. 1,685,137; Sept. 25.
- Foldable table. B. E. Willett. 1,684,653; Sept. 18.
- Foldable table. I. K. Wurdack. 1,669,799; May 15.
- Foldable wringer. J. J. Groden. 1,690,062; Oct. 30.
- Folded sheet and folding the same. G. A. Shaffer and F. H. Wirtz. 1,663,591; Mar. 20.
- Folded-sheet object and forming same. E. C. Morris. 1,684,878; Sept. 18.
- Folder. H. A. W. Wood. 1,684,901; Sept. 18.
- Folder and check book, Combined. H. B. Douglass. 1,672,881; June 12.
- Folder and easel, Picture. J. M. Blyth. 1,669,895; May 15.
- Folder, Changeable rotary. H. F. Bechman. 1,679,289; July 31.
- Folder, Combination tie and collar. R. E. Johnson. 1,682,046; Aug. 28.
- Folder, Duplex. Z. V. Morvay. 1,681,949; Aug. 28.
- Folder or file holders, Reenforced. C. E. Cather. 1,665,128; Apr. 3.
- Folding. C. K. MacDonald. 1,661,572; Mar. 6.
- Folding and cutting couple for folding machines. H. A. W. Wood. 1,694,300; Dec. 4.
- Folding and fastening machine, Box-blank. A. T. Campbell. 1,688,115; Oct. 16.
- Folding and pressing mechanism. E. F. Baldwin and F. E. Woods. 1,680,359; Aug. 14.
- Folding box. I. B. Blake. 1,685,016; Sept. 18.
- Folding box. L. P. Brown. 1,668,549; May 8.
- Folding box. H. A. Feigelman. 1,673,975; June 19.
- Folding box. F. E. Warner. 1,684,931; Sept. 18.
- Folding brace. E. W. Cummings. 1,677,620; July 17.
- Folding chair. S. E. Bouharoun. 1,683,327; Sept. 4.
- Folding chair. E. Derwish. 1,683,532; Sept. 4.
- Folding chair. W. G. Grossman. Des. 76,477; Oct. 2.
- Folding chair. A. S. Hughes and E. Hedeon. 1,672,810; June 5.
- Folding chair. L. H. McKee. 1,695,117; Dec. 11.
- Folding chair. W. C. Rastetter. 1,679,173; July 31.
- Folding chair. W. C. Rastetter. 1,693,349; Nov. 27.
- Folding chair. A. E. Rosenthal and W. E. Clarin. 1,675,577; July 3.
- Folding chair, Child's. O. Groll. 1,656,352; Jan. 17.
- Folding down dry-cell linings, Mechanism for. C. C. Cain, jr. 1,672,301; June 5.
- Folding hem adjuster. L. A. and V. D. Hanes. 1,693,176; Nov. 27.
- Folding horse or scaffold, Adjustable. H. Roth. 1,672,502; June 5.
- Folding leather. C. K. MacDonald. 1,661,571; Mar. 6.
- Folding machine. G. E. Anderson. 1,658,507; Feb. 7.
- Folding machine. J. W. Anthony. 1,657,911; Jan. 31.
- Folding machine. E. W. Goodwin. 1,672,935; June 12.
- Folding machine. L. H. Morin. 1,687,222; Oct. 9.
- Folding machine. A. Olson and L. R. Tufts. 1,684,803; Sept. 18.
- Folding machine. H. C. Osborn. 1,682,237; Aug. 28.
- Folding machine. E. D. Rader. 1,690,038; Oct. 30.
- Folding machine. C. P. Roush. 1,678,917; July 31.
- Folding machine. L. R. Tufts. 1,682,446; Aug. 28.
- Folding machine, Carton-. A. Hoba. 1,680,615; Aug. 14.
- Folding machines, Delivery for. L. K. Aldrich. 1,655,672; Jan. 10.
- Folding mechanism, Sheet-. E. M. Barber. 1,667,369-70; Apr. 24.
- Folding method and article produced thereby. A. R. Ridderstrom. 1,694,796; Dec. 11.
- Folding pressure bags, Method and apparatus for. T. Midgley. 1,671,305; May 29.
- Folding screen, Detachable. J. F. Landt. 1,668,849; May 8.
- Folding seat. P. N. Landine. 1,668,213; May 1.
- Folding square. A. Stevens. 1,668,290; May 1.
- Folding table. B. Deland. 1,696,193; Dec. 25.
- Folding table. H. L. Haskell. 1,682,754; Sept. 4.
- Folding table. H. Howe. 1,679,426; Aug. 7.
- Folding table. W. J. King. 1,675,355; July 3.
- Folding table. L. B. Page, and J. C. Emerson. 1,683,579; Sept. 4.
- Folding table. H. Puff. 1,679,447; Aug. 7.
- Folding table. H. D. Smith. 1,659,840; Feb. 21.
- Folding table, Built-in. D. E. Nichol. 1,675,953; July 3.
- Folding tray, Garment-. E. J. Schremp. 1,657,551; Jan. 31.
- Food Animal. H. M. Weber. 1,695,567; Dec. 18.
- Food container. F. W. and C. L. Holderle. 1,655,544; Jan. 10.
- Food-conveying apparatus. C. E. Jenkins. 1,669,246; May 8.
- Food materials, Treatment of. F. C. Beardslee. 1,682,318; Aug. 28.
- Food package. G. G. Barber. 1,687,052; Oct. 9.
- Food preparation. A. L. Voge. 1,672,046; June 5.
- Food preserver. L. A. Roberts. 1,659,333; Feb. 14.
- Food-producing process and improved product produced thereby. L. Sokolsky. 1,676,166; July 3.
- Food product. I. S. Merrell. 1,689,357; Oct. 30.
- Food product. H. F. Weiss. 1,695,445; Dec. 18.
- Food product and improved product produced thereby, Providing a new. A. K. Epstein. 1,676,138; July 3.
- Food product and making same. I. N. Zeller. 1,686,786; Oct. 9.
- Food product and making the same. M. S. Bolton. 1,687,154; Oct. 9.
- Food product and making the same. M. F. Ruffner. 1,676,160; July 3.
- Food product and preparing the same. I. N. Zeller. 1,686,785; Oct. 9.
- Food product and process, Preserved. T. M. Rector. 1,679,543; Aug. 7.
- Food product and producing the same. E. F. Burton and J. H. Montgomery. 1,694,680; Dec. 11.
- Food product, Emulsified. G. G. Griswold. 1,686,556; Oct. 9.
- Food product having fresh kola as a base and preparation of the same, Soluble. A. and E. Chalas. 1,669,326; May 8.
- Food product in form of dry powder and making the same. F. W. Robison. 1,690,131; Nov. 6.
- Food products, Making baked. J. Matti. 1,680,898; Aug. 14.
- Food products, Preparing. W. Jourdan. 1,690,449; Nov. 6.
- Foodstuffs, Differentiating uncooked and cooked cans of. J. Hanson and E. F. Lee. 1,668,767; May 8.
- Foot and ankle protecting means. W. J. Harvey. 1,675,348; July 3.
- Foot-arch support. F. J. Scholl. 1,654,608; Jan. 3.
- Football. W. J. Dolan, jr. 1,655,599; Jan. 10.
- Football, basket ball, and the like. M. Scudder. 1,668,173; May 1.
- Football novelty. J. R. Jacobs. 1,659,874; Feb. 21.
- Football protective harness. H. Goldsmith. 1,687,126; Oct. 9.
- Foot cap. H. E. Hodgson. 1,691,440; Nov. 13.
- Foot demonstrator. J. Lelyveid. 1,692,943; Nov. 27.
- Foot for a supporting leg, Removable. A. E. Rosenthal. 1,690,754; Nov. 6.
- Foot gauge. L. J. Homan, jr. 1,667,802; May 1.
- Footgear-forming machine. A. Eichberg and H. Dietz. 1,688,007; Oct. 16.
- Footlight device. G. Weizsaecker. 1,673,610; June 12.
- Foot mat. M. E. Anderson. 1,680,442; Aug. 14.
- Foot presses, Guard for. S. P. Wyrfel. 1,658,151; Feb. 7.
- Foot rest. E. G. du Moulin. 1,694,095; Dec. 4.
- Foot rest. E. Kannaka. Des. 75,371; May 29.
- Foot rest, Automatic adjustable. J. R. Emmert and J. J. Pozdro. 1,689,197; Oct. 30.
- Foot stock, Hydraulic. A. P. Steiner. 1,689,410; Oct. 30.
- Footstool and leg rest. D. S. Sattler and F. H. McCuen. 1,694,146; Dec. 4.
- Footstool, Elevating. F. H. Schlodtmann. 1,674,180; June 19.
- Footway, Moving. E. H. C. J. Parlongue. 1,671,207; May 29.
- Footwear. J. Benda. 1,692,539; Nov. 20.
- Footwear. R. A. Bunker. 1,685,561; Sept. 25.
- Footwear. G. P. Dike. 1,685,216; Sept. 25.
- Footwear. V. B. Phillips. 1,660,046; Feb. 21.
- Footwear. H. C. Wagner. 1,689,000; Oct. 23.
- Footwear, Method and apparatus for making. F. J. MacDonald. 1,663,456-7; Mar. 20.
- Footwear, Method and apparatus for making. F. J. MacDonald. 1,663,460; Mar. 20.
- Footwear retainer. D. Y. Read. 1,686,175; Oct. 2.
- Footwear rounding or burnishing machine. A. Abel. 1,664,238; Mar. 27.
- Footwear, Rubber-soled. G. W. Bell. 1,675,206; June 26.
- Footwear, Waterproof. T. J. Kemper. 1,655,652; Jan. 10.
- Forceps. F. Leneschmidt. 1,682,621; Aug. 28.
- Forceps, Dental. J. E. Miller. 1,675,815; July 3.
- Forceps, Dentist's. J. J. Ogden. 1,676,042; July 3.
- Forceps, Obstetrical. R. D. Roderick. 1,662,169; Mar. 13.
- Forceps, Obstetrical delivery. F. A. La Breck. 1,672,570; June 5.
- Forceps, Surgical. A. Junemann. 1,664,112; Mar. 27.
- Forceps, Toggle-squeeze haemostat. D. M. Littlejohn. 1,659,112; Feb. 14.
- Forceps, Veterinary obstetrical. H. Zins. 1,687,418; Oct. 9.
- Forceps, Veterinary obstetrical. H. Zins. 1,690,044; Oct. 30.
- Forge. W. C. Elze. 1,673,557; June 12.
- Forge. H. T. Gerdes. 1,673,561; June 12.
- Forge furnace, Semimuffle. W. M. Hepburn. 1,672,863; June 5.
- Forge, Portable low-pressure oil-burning. H. T. Gerdes. 1,673,558; June 12.
- Forging. B. T. Andren. 1,683,011; Sept. 4.
- Forging apparatus. C. R. Jernberg. 1,685,849; Oct. 2.
- Forging balls from long bars. A. Canda. 1,688,175; Oct. 16.
- Forging brake-beam fulcrum. L. L. Whitney. 1,656,930; Jan. 24.
- Forging fulcrums. L. L. Whitney. 1,656,929; Jan. 24.
- Forging machine. F. A. Halleck. 1,666,287; Apr. 17.
- Forging machine. F. A. Halleck. 1,679,129; July 31.
- Forging machine. H. B. Halvorsen. 1,680,251; Aug. 7.
- Forging machine. H. B. Halvorsen. 1,680,253; Aug. 7.
- Forging machine. S. T. Nelson. 1,680,254; Aug. 7.
- Forging machine. D. J. O'Rourke. 1,679,126; July 31.
- Forging machine. W. H. Wineman. 1,679,125; July 31.
- Forging machine and method. C. P. Topping. 1,674,310; June 19.
- Forging mechanism. J. R. Blakeslee. 1,691,879; Nov. 13.

- Forging mechanism, Drill-. W. H. Wineman. 1,680,252; Aug. 7.
- Forging or forming metal articles, Apparatus for. F. Scott. 1,685,322; Sept. 25.
- Forging press, Electrically-driven. A. Friederici. 1,677,471; July 17.
- Fork: *See*—
- Carving fork. Prong clearing fork.
- Meat-seasoning fork.
- Fork or similar article. E. T. Beck. Des. 75,950; Aug. 7.
- Fork or similar article. B. A. Dolan. Des. 74,874; Apr. 10.
- Form and form clamp, Concrete-wall erection. O. J. Cable. 1,672,870; June 12.
- Form and making same, Ornamental. M. Altbuch. 1,690,764; Nov. 6.
- Form and reinforcement for concrete beams. H. H. Sears. 1,673,955; June 19.
- Form and section for building walls. I. Romero and A. Costini. 1,682,253; Aug. 28.
- Form clamp. J. F. Costello. 1,677,384; July 17.
- Form clamp. H. H. Lampert. 1,693,239-41; Nov. 27.
- Form clamp. G. F. Newton. 1,673,986; June 19.
- Form, Display. J. A. Lalonde. 1,680,528; Aug. 14.
- Form for concrete. F. M. Barton. 1,684,614; Sept. 18.
- Form for concrete and the like. E. J. Gass and D. W. Thurston. 1,676,184; July 3.
- Form for concrete crypts, Collapsible. G. B. Webb and E. Gilzean. 1,670,917; May 22.
- Form for displaying neckwear. S. L. Samter. 1,662,477; Mar. 13.
- Form for hollow wall construction, Adjustable and interchangeable. I. J. Kuert. 1,694,036; Dec. 4.
- Form for pouring and method of facing. G. Peterson. 1,658,733; Feb. 7.
- Form-locating means. L. G. Julihn. 1,666,140; Apr. 17.
- Form, Separable multiple. C. T. Joslin. 1,657,011; Jan. 24.
- Form support. J. A. Curry. 1,658,041; Feb. 7.
- Formaldehyde from methylene chloride, Making. E. Krause and K. Róka. 1,679,673; Aug. 7.
- Formaldehyde solutions, Concentrating. A. Zimmerli. 1,662,179; Mar. 13.
- Formed articles from moldable material, Method and apparatus for making. F. J. MacDonald. 1,658,567; Feb. 7.
- Former and feeder. I. C. Popper. 1,670,165; May 15.
- Former and supporter, Virgin-bust. A. Hagelman. 1,688,143; Oct. 16.
- Forming a hinge leaf. S. W. Parsons. 1,692,785; Nov. 20.
- Forming and handling clay pots, Apparatus for. W. J. Golightly. 1,683,245; Sept. 4.
- Forming and injecting device for internal-combustion engines, Charge. A. G. Redmond. 1,691,127; Nov. 13.
- Forming and interiorly beaded or looped tearing can, Method and apparatus for. 1,689,605; Oct. 30.
- Forming and tapping machine. A. O. Austin. 1,663,329; Mar. 20.
- Forming and tempering apparatus. J. Gogan. 1,688,142; Oct. 16.
- Forming and threading machine. A. O. Austin. 1,664,101; Mar. 27.
- Forming a protective and preservative coating upon fruit and the like, Process and apparatus for. E. M. Brogden. 1,692,286; Nov. 20.
- Forming and welding end rings for rotor bars. K. L. Hansen and W. J. Oesterlein. 1,692,407; Nov. 20.
- Forming articles, Method of and apparatus for. R. Beardsley. 1,684,658; Sept. 18.
- Forming articles, Method of and apparatus for. F. S. Kochendorfer. 1,696,242; Dec. 25.
- Forming drawn articles. J. E. Batie. 1,683,437; Sept. 4.
- Forming inflatable-ball covers. J. T. Riddell. 1,691,672; Nov. 13.
- Forming machine. G. H. Petri. 1,666,752; Apr. 17.
- Forming machine, Ball-. M. W. Magann. 1,695,195; Dec. 11.
- Forming machine for plastic materials. D. K. Macleod. 1,664,178; Mar. 27.
- Forming machine, Ridge-cap. J. and H. Fulenwider, E. W. Robinson, and H. Norris. 1,694,440; Dec. 11.
- Forming material. C. D. Knowlton. 1,657,015; Jan. 24.
- Forming or working spherical surfaces, concave or convex. M. J. Olsson. 1,689,928; Oct. 30.
- Forming pressed-metal hinges. R. F. Carpenter. 1,691,109; Nov. 13.
- Forming projections in recesses. G. Brown and A. B. Apple. 1,679,349; Aug. 7.
- Forming slag-free thermite welds. J. H. Deppeler. 1,671,412; May 29.
- Formol by catalysis, Apparatus for the production of. E. A. Barbet. 1,661,063; Feb. 28.
- Forms and apparatus for casting concrete walls, Erecting. O. A. Hollis. 1,664,884; Apr. 3.
- Forms for concrete work, Constructing and supporting. F. A. Tracey. 1,694,292; Dec. 4.
- Formula, Cheese. H. H. and A. H. Kaufmann. 1,694,921; Dec. 11.
- Formula for test reagents to determine the alcohol and the color in alcoholic liquids. J. F. Williams. 1,689,902; Oct. 30.
- Fortune-telling device. N. Lapps. 1,684,998; Sept. 18.
- Foundation board. J. Regenstein. 1,656,647; Jan. 17.
- Foundation method. G. W. Allen. 1,691,037; Nov. 13.
- Foundations, Arrangement for laying. O. Stern. 1,681,689; Aug. 21.
- Foundry flask. G. H. Hasey. 1,660,966; Feb. 28.
- Foundry flasks, Bottom board for. J. B. Meyer. 1,658,456; Feb. 7.
- Foundry pouring device. R. E. McGaughey. 1,674,214; June 19.
- Fountain: *See*—
- Drinking fountain. Water fountain.
- Poultry drinking fountain.
- Fountain comb. F. C. Mach. 1,667,631; Apr. 24.
- Fountain comb. W. C. Simpson. 1,686,936; Oct. 9.
- Fountain pen. S. Centofanti. 1,685,044; Sept. 18.
- Fountain tank. H. K. Pinkerton and F. L. Rhyndress. 1,692,223; Nov. 20.
- Fountain washing apparatus. M. Christianson. 1,663,439; Mar. 20.
- 4,4'-dihydroxybisacylamino-arsenobenzenes, Substituted. L. Benda. 1,680,845; Aug. 14.
- Fourth-point support. E. G. Busse. 1,659,854; Feb. 21.
- Fowls for plucking, Preparing. J. Allen. 1,668,039; May 1.
- Fox ranch. L. A. Jordan. 1,693,756; Dec. 4.
- Fractionating. I. B. Funk. 1,691,238; Nov. 13.
- Fracture device. L. G. McCutchen. 1,662,464; Mar. 13.
- Frame: *See*—
- Ammeter frame. Railroad-vehicle frame.
- Axminster tube frame. Reflector frame.
- Binding frame. Ring spinning and doubling frame.
- Box frame. Sash frame.
- Carriage frame. Sausage-casing frame.
- Carrying frame. Saw frame.
- Construction frame. Screen frame.
- Display frame. Seat frame.
- Door frame. Side frame.
- Drawing frame. Sign-supporting frame.
- Drying frame. Sizing frame.
- Dynamo frame. Spinning and twisting frame.
- Embroidery frame. Spinning frame.
- Eyeglass frame. Spinning or twisting frame.
- Feeder and supporting frame. Stocking frame.
- Greeting frame. Stove frame.
- Hack-saw frame. Tender frame.
- Hammock frame. Tent frame.
- Heddle frame. Testing frame.
- Hoist-trolley frame. Tractor extension frame.
- Knitting frame. Truck frame.
- Lamp-shade frame. Truck side frame.
- License-plate frame. Tube frame.
- Locomotive frame. Turbine frame.
- Machine frame. Vehicle frame.
- Necktie frame. Window frame.
- Photographic-printing frame. Window-screen frame.
- Picture frame. Windshield frame.
- Frame-adjusting means. J. Sturrock. 1,695,512; Dec. 18.
- Frame and casing for punching machines, Combined. L. R. Le Tang. Des. 76,944; Nov. 20.
- Frame and holder for slippers and other articles. M. E. Dryden. 1,685,277; Sept. 25.
- Frame and sash construction. A. G. Dawson. 1,691,868; Nov. 13.
- Frame and sash construction, Flexible window. W. Woop. 1,690,518; Nov. 6.
- Frame and sash, Metallic window. R. E. Lee. 1,676,193; July 3.
- Frame bracket, Tube-. G. P. Findlay. 1,679,654; Aug. 7.
- Frame clamp. I. A. Baum. 1,687,536; Oct. 16.
- Frame component. F. Amiot. 1,677,577; July 17.
- Frame construction. I. A. Baum. 1,691,371; Nov. 13.
- Frame construction. C. Collins. 1,674,096; June 19.
- Frame construction. F. E. Watts. 1,673,171; June 12.
- Frame construction. F. A. Whitten. 1,690,351; Nov. 6.
- Frame construction, Car-. W. B. Gregg. 1,691,474; Nov. 13.
- Frame construction, Metallic. C. M. Thomson. 1,694,043; Dec. 4.
- Frame filler and guide, Window-. A. W. Chapman. 1,671,925; May 29.
- Frame for a loud-speaker disk. P. F. Godley. Des. 75,102; May 8.
- Frame for a velocipede. G. N. Wolfe. Des. 76,511; Oct. 2.
- Frame for automobile tops, Deck. M. R. Hull. 1,681,479; Aug. 21.
- Frame for buildings. F. L. Purdy. Re17,154; Dec. 4.
- Frame for buildings. J. G. Shodron. 1,687,850; Oct. 16.
- Frame for car trucks, Side. M. H. Martin. 1,681,303; Aug. 21.
- Frame for drawings and the like, Holding. I. Shulman. 1,690,137; Nov. 6.
- Frame for drawing, twisting, and winding textile materials, High-draft speed. A. E. Oxley. 1,668,333; May 1.
- Frame for effigies, Adjustable. E. B. Wilson. 1,660,735; Feb. 28.
- Frame for fibrous material, Stretching. E. Gminder. 1,681,768; Aug. 21.
- Frame for instruments of radio sets, Supporting. G. V. Hedstrom. 1,690,065; Oct. 30.
- Frame for interchangeable advertising signs, Sign. E. H. Prather. 1,674,264; June 19.
- Frame for leather-spraying devices. P. G. Aulson. 1,696,185; Dec. 25.

- Frame for photographic films. M. F. Faber and J. Kusber. jr. 1,695,644; Dec. 18.
- Frame for screens, Metal. M. N. Harvey. 1,659,101; Feb. 14.
- Frame for sheet material, Stretching. W. J. Carter, jr. 1,686,368; Oct. 2.
- Frame for trays or the like. E. Tennhardt. Des. 75,937-8; July 31.
- Frame for wardrobe-trunk sections, Reenforcing. M. E. Mahar. 1,675,654; July 3.
- Frame for windows, skylights, and the like. R. W. Jenkins. 1,668,564; May 8.
- Frame lock, Auto axle-. L. Sosdian. 1,690,040; Oct. 30.
- Frame or similar article, Settee. C. T. Graham. Des. 76,533-4; Oct. 9.
- Frame structure, Side-. C. B. Harbison. 1,686,085; Oct. 2.
- Frame support, Batik-. M. Y. Harmon. 1,680,610; Aug. 14.
- Frame supporting and operating mechanism. A. H. Stebbins. 1,655,578; Jan. 10.
- Frames, Control system for motor-driven spinning. R. Regnault. 1,658,652; Feb. 7.
- Frames, Making sheet-metal. W. O. Sheldon. 1,676,222; July 3.
- Frames, Manufacturing racket. H. D. Penney. 1,696,251; Dec. 25.
- Frames, Yarn spool for tube. C. Lea. 1,663,502; Mar. 20.
- Framework, Machine. A. B. Brown. 1,677,168; July 17.
- Framing for metal furniture. P. E. Huettner. 1,694,656; Dec. 11.
- Frankfurt machine. T. C. Russell. 1,692,956; Nov. 27.
- Fraternity badge. F. W. Bryant. Des. 76,732; Oct. 30.
- Freezer, Ice-cream. H. C. Cover. 1,685,189; Sept. 25.
- Freezer, Ice-cream. B. W. McGinnis. 1,682,976; Sept. 4.
- Freezer, Rapid. F. F. Benz. 1,689,578; Oct. 30.
- Freezing-point depressants. S. Isermann and W. Vernet. 1,687,094; Oct. 9.
- Freight, Apparatus for handling. B. F. Fitch. 1,657,618; Jan. 31.
- Freight-handling apparatus. B. F. Fitch. 1,657,076; Jan. 24.
- Freight-transporting equipment. W. P. Kellett. 1,693,607; Dec. 4.
- Frequency arrangement in carrier-wave systems. R. A. Heising. 1,689,026; Oct. 23.
- Frequency changer. S. P. Nixdorf. 1,667,672; Apr. 24.
- Frequency changer. R. A. Warner. 1,655,252; Jan. 3.
- Frequency-changer apparatus. W. Weiler. 1,694,296; Dec. 4.
- Frequency changers, System and method of commutation. R. Hellmund. 1,655,952; Jan. 10.
- Frequency changes, Indicating. M. B. Long. 1,663,086; Mar. 20.
- Frequency converter. W. T. Powell. 1,674,297; June 19.
- Frequency multiplier. O. von Bronk. 1,678,965; July 31.
- Frequency regulator. G. Y. Allen. 1,682,461; Aug. 28.
- Frequency regulator. B. H. Smith. 1,685,961; Oct. 2.
- Frequency-responsive instrument. F. B. Vogdes. 1,677,694; July 17.
- Friction block. J. S. Thompson. 1,657,238; Jan. 24.
- Friction block. J. S. Thompson. 1,686,189-91; Oct. 2.
- Friction brake. J. H. Hall. 1,672,314; June 5.
- Friction brake. E. G. Staude. 1,673,211; June 12.
- Friction brake. J. S. Thompson. 1,659,061; Feb. 14.
- Friction brake. J. S. Thompson. 1,670,320; May 22.
- Friction brake. J. S. Thompson. 1,673,027; June 12.
- Friction brake. J. S. Thompson. 1,687,151; Oct. 9.
- Friction brake. J. S. Thompson. 1,696,821; Dec. 25.
- Friction brake, Automobile. J. Hopkins. 1,693,444; Nov. 27.
- Friction detent. R. K. Winning. 1,671,390; May 29.
- Friction device. C. H. Fuller. 1,660,156; Feb. 21.
- Friction drive. R. W. Stem. 1,692,909; Nov. 27.
- Friction drive, High-grade. E. J. Hirvonen. 1,660,489; Feb. 28.
- Friction drive means. C. L. George. 1,696,476; Dec. 25.
- Friction element. I. J. Novak. 1,672,538; June 5.
- Friction element and producing same. I. J. Novak. 1,692,136; Nov. 20.
- Friction elements, Impregnating the base of. I. J. Novak. 1,672,539; June 5.
- Friction-guide lubricator. W. Spullies. 1,695,985; Dec. 18.
- Friction means for window-shade rollers. H. R. Brewer. 1,691,463; Nov. 13.
- Friction member. J. W. Watson. 1,670,224; May 15.
- Friction member and insert. F. C. Stanley. 1,655,827; Jan. 10.
- Friction plugs from containers, Device for removing. G. A. Leighton. 1,684,708; Sept. 18.
- Friedel and Crafts reaction, Manufacture of useful products by means of. H. G. Stone and B. H. Jacobson. 1,656,575; Jan. 17.
- Fringe, Decorated bullion. H. J. Muller. 1,671,835; May 29.
- Fringe-tasseling machine. R. E. Walliser. 1,663,534; Mar. 20.
- Frog for violin bows. H. Ostrovsky. 1,695,020; Dec. 11.
- Frogless switch. J. A. Singellton. 1,695,720; Dec. 18.
- Frost-prevention apparatus. J. W. Crowhurst. 1,688,802; Oct. 23.
- Frost-prevention device for windows. S. A. Hamiltonoff. 1,688,014; Oct. 16.
- Frostproof guard. A. H. Allerheilgen, L. F. Crain, and C. Erichsen. 1,679,802; Aug. 7.
- Fruit and vegetable press. J. L. Sowers. 1,659,412; Feb. 14.
- Fruit-car brace. H. A. Whittemore. 1,694,026; Dec. 4.
- Fruit-cleaning machine. J. R. Litty and T. B. Lundin. 1,691,727; Nov. 13.
- Fruit-cleaning machine. F. E. Smallidge. 1,676,714; July 10.
- Fruit-cleaning mechanism. E. A. White. 1,694,675; Dec. 11.
- Fruit crusher. R. Baccellieri. 1,681,920; Aug. 28.
- Fruit crusher and squeezer. V. S. Perazio. 1,655,333; Jan. 3.
- Fruit-cutting machine. E. R. Jagenburg. 1,657,213; Jan. 24.
- Fruit drier. E. D. Higby. 1,679,720; Aug. 7.
- Fruit drier. G. B. Ridley. 1,674,414; June 19.
- Fruit-drying machine and method. E. A. White. 1,691,874; Nov. 13.
- Fruit gatherer. J. W. Parsons. 1,674,518; June 19.
- Fruit gatherer. C. W. Wood. 1,680,925; Aug. 14.
- Fruit grader. G. F. Litchfield. 1,656,210; Jan. 17.
- Fruit-grading machine. F. F. Leweke. 1,677,037; July 10.
- Fruit-marking apparatus. H. G. Nutt and S. C. Bartholomew. 1,656,494; Jan. 17.
- Fruit, Maturation of. D. B. Holmes. 1,678,046; July 24.
- Fruit-packing device. R. E. Martin. 1,692,677; Nov. 20.
- Fruit picker. J. Boeng. 1,670,796; May 22.
- Fruit-picking implement. J. L. Boese. 1,664,240; Mar. 27.
- Fruit press. V. S. Perazio. 1,655,289; Jan. 3.
- Fruit press, Power-driven. J. P. Ferrari. 1,677,517; July 17.
- Fruit-press support. C. R. Hitz. 1,661,802; Mar. 6.
- Fruit scrubber. F. Stebler. 1,684,896; Sept. 18.
- Fruit-sizing machine. J. V. Rogers. 1,661,503; Mar. 6.
- Fruit splitter. F. P. Petersen. 1,658,007; Jan. 31.
- Fruit-treating apparatus. E. M. Brogden. 1,680,260; Aug. 7.
- Fruit-treating apparatus. A. W. Conklin. 1,677,229; July 17.
- Fruit-treating machine. C. E. Lum. 1,655,871; Jan. 10.
- Fruit washer. G. B. Ridley. 1,674,064; June 19.
- Fruits and vegetables, Peeling. S. J. Dunkley. 1,655,690; Jan. 10.
- Frying bacon, Apparatus for. C. W. Carter and C. P. Strite. 1,656,663; Jan. 17.
- Frying machine. E. A. Denz, J. T. Kelley, and J. E. Titus. 1,690,104; Nov. 6.
- Frying machine. E. A. Denz and J. E. Titus. 1,688,315; Oct. 16.
- Frying machine, Potato-chip-. L. B. Leone and W. T. Murphy. 1,674,555; June 19.
- Fuel. T. Nagel. 1,658,814; Feb. 14.
- Fuel and cleaning device for internal-combustion engines, Auxiliary. W. Davis. 1,685,598; Sept. 25.
- Fuel and fuel ingredients. J. W. Orelup and O. I. Lee. 1,692,784; Nov. 20.
- Fuel and making same, Carbonaceous. A. Oberle. 1,674,837; June 26.
- Fuel and making same, Motor. L. Kirschbraun. 1,692,176; Nov. 20.
- Fuel, Apparatus and process for burning. E. W. Clarke. 1,660,831; Feb. 28.
- Fuel, Apparatus for burning liquid. J. H. McIlvaine. 1,654,658; Jan. 3.
- Fuel, Apparatus for making colloidal. H. Adams. 1,685,115; Sept. 25.
- Fuel, Apparatus for measuring liquid. A. Nagel. 1,657,838; Jan. 31.
- Fuel atomizer for internal-combustion engines, Direct-injection. V. Archauloff. 1,692,107; Nov. 20.
- Fuel atomizing and vaporizing apparatus. D. J. Cartwright. 1,655,810; Jan. 10.
- Fuel, Balanced motor. E. F. Chandler. 1,665,621; Apr. 10.
- Fuel briquette. G. F. Sheehan. 1,682,195; Aug. 28.
- Fuel briquette and making same. J. S. Robeson. 1,667,358; Apr. 24.
- Fuel briquettes, Manufacture of. E. W. Bowen. 1,667,304; Apr. 24.
- Fuel briquettes, Manufacture of. A. M. Hart. 1,668,643; May 8.
- Fuel briquettes, Manufacture of. L. Rudeman. 1,674,179; June 19.
- Fuel briquettes, Manufacturing. A. L. Stillman. 1,664,998; Apr. 3.
- Fuel burner. O. Falkenwalde. 1,691,650; Nov. 13.
- Fuel burner. J. H. Hunt. 1,671,031; May 22.
- Fuel burner. J. M. Schutz. 1,675,725; Jan. 31.
- Fuel burner. P. H. Steiner. 1,675,002; June 26.
- Fuel burner. C. R. Stewart. 1,671,494; May 29.
- Fuel-burner assembly, Rotary. J. H. Stewart. 1,673,302; June 12.
- Fuel burner, Gaseous. C. F. Hammond. 1,689,551; Oct. 30.
- Fuel burner, Gaseous-. J. Harris. 1,695,587; Dec. 18.
- Fuel burner, Liquid-. C. B. Buerger. 1,685,836; Oct. 2.
- Fuel burner, Liquid-. V. Mulholland. 1,692,853; Nov. 27.
- Fuel burner, Pulverized. W. R. Wood. 1,676,511; July 10.
- Fuel, Burning. J. M. Schutz. 1,657,698; Jan. 31.
- Fuel-burning apparatus, Combined mixing and combustion chamber for liquid-. C. A. Olsen. 1,681,778; Aug. 21.

- Fuel-burning apparatus, Fluid-. J. L. Breese, jr. 1,660,857; Feb. 28.
- Fuel-burning apparatus, Liquid-. J. H. McIlvaine. 1,671,773; May 29.
- Fuel-burning apparatus, Pulverized-. G. P. Jackson. 1,691,929; Nov. 20.
- Fuel-burning device. W. W. William. 1,664,276; Mar. 27.
- Fuel-burning furnace, Pulverized-. J. Anderson. 1,665,399; Apr. 10.
- Fuel-burning heater, Liquid-. G. K. Culp, jr., C. D. Barker, and W. J. Sturgis. 1,663,442; Mar. 20.
- Fuel-burning system. L. R. Van Sant. 1,661,450; Mar. 6.
- Fuel-burning system. L. R. Van Sant. 1,669,956; May 15.
- Fuel burners, Controlling means for multiple-. E. A. Basel. 1,676,764; July 10.
- Fuel Charges, Apparatus for forming. S. E. Fegley. 1,656,109; Jan. 10.
- Fuel cleaner. R. E. Hart. 1,668,071; May 1.
- Fuel composition. A. B. Low. 1,669,341; May 8.
- Fuel. Composition of matter for use as. H. S. Reid. 1,680,392; Aug. 14.
- Fuel, Compound. P. H. Lévêque. 1,693,790; Dec. 4.
- Fuel compound, Flocculated. J. J. Tonkin. 1,659,337; Feb. 14.
- Fuel-conditioning system. C. Schwartz. 1,663,220; Mar. 20.
- Fuel-consumption system. H. R. Corwin. 1,660,954; Feb. 28.
- Fuel. Continuously distilling carbonaceous. W. E. Trent. 1,675,315; June 26.
- Fuel control for liquid-fuel burners. C. W. Standcliffe. 1,676,933; July 10.
- Fuel-control mechanism for internal-combustion engines. E. L. Corman. 1,684,126; Sept. 11.
- Fuel distillation, Low-temperature. E. G. Weeks. 1,681,450; Aug. 21.
- Fuel-distilling apparatus. F. E. Hobson and J. F. Shelton. 1,672,860; June 5.
- Fuel drier. M. Frisch. 1,686,690; Oct. 9.
- Fuel-dust furnace. G. Szikla and A. Rozinek. 1,680,183; Aug. 7.
- Fuel economizer. J. Corbiere. 1,663,903; Mar. 27.
- Fuel economizer. F. Lamotke. 1,665,630; Apr. 10.
- Fuel economizer. G. W. Meyers. 1,695,695; Dec. 18.
- Fuel-feed device. J. E. Blanding. 1,658,026; Feb. 7.
- Fuel feeder. C. A. Fleetwood and W. H. Lysinger. 1,687,435; Oct. 9.
- Fuel feeder. H. F. Smith. 1,668,987; May 8.
- Fuel feeder. G. O. Willhide. 1,674,536; June 19.
- Fuel-feeding apparatus. C. E. McDonnell. 1,674,978; June 26.
- Fuel-feeding apparatus, Pulverized-. H. Kreisinger. 1,695,692; Dec. 18.
- Fuel-feeding means for charge-forming devices. A. G. Redmond. 1,662,128; Mar. 13.
- Fuel-feeding means for charge-forming devices. A. G. Redmond. 1,663,611; Mar. 27.
- Fuel-feeding system. L. O. French. 1,664,610; Apr. 3.
- Fuel-feeding system for motor vehicles. A. G. Redmond. 1,674,124-5; June 19.
- Fuel-flow regulator for constant heat. C. S. Pinkerton. 1,682,684; Aug. 28.
- Fuel for internal-combustion engines and motors. C. A. Walter and F. B. Mühlenberg. 1,669,181; May 8.
- Fuel for use in internal-combustion engines. S. Iserman, W. Vernet, and E. Q. Moses. Re16,937; Apr. 17.
- Fuel for use in internal-combustion engines and for other purposes. E. G. E. Meyer. 1,671,158; May 29.
- Fuel. Forming reconstructed carbonaceous. W. B. Rulon. 1,656,364; Jan. 17.
- Fuel from pulverized coal, Producing a. W. E. Trent. 1,693,546; Nov. 27.
- Fuel furnace, Pulverulent-. C. Duquenne. 1,693,597; Dec. 4.
- Fuel gas, Making. A. H. White. 1,689,940; Oct. 30.
- Fuel, Gaseous. J. R. Rose. 1,676,871; July 10.
- Fuel gases, Process and apparatus for liquid purification of. F. W. Sperr, jr., and D. L. Jacobson. 1,656,881; Jan. 17.
- Fuel grader, Pneumatic. D. V. Sherban. 1,668,218; May 1.
- Fuel, Handling and feeding pulverized. G. P. Jackson and A. V. Adamson. 1,677,779; July 17.
- Fuel heater. I. E. Aske. 1,690,520; Nov. 6.
- Fuel-injecting means. H. M. Leonard. 1,674,731; June 26.
- Fuel-injection engine. A. C. Peterson. 1,691,302; Nov. 13.
- Fuel-injection mechanism. C. P. Clark and C. A. Bjornson. 1,693,356; Nov. 27.
- Fuel-injecting system. L. O. French. 1,664,611; Apr. 3.
- Fuel-injection system. L. O. French. 1,664,607-9; Apr. 3.
- Fuel-injection system. L. O. French. 1,664,614-15; Apr. 3.
- Fuel-injection system. L. O. French. 1,679,158; July 31.
- Fuel. Manufacture of carbonized. W. W. Strafford. 1,667,906; May 1.
- Fuel material. T. Nagel. 1,666,663; April 17.
- Fuel. Method and apparatus for control of the burning of liquid. E. H. Peabody. 1,683,371; Sept. 4.
- Fuel mixer. S. S. Gentile. 1,671,897; May 29.
- Fuel mixer, Pulverized-. A. A. Wickland. 1,680,964; Aug. 14.
- Fuel mixing and supercharging device. P. J. Laronde. 1,686,413; Oct. 2.
- Fuel-mixing device. H. D. Robinson. 1,663,955; Mar. 27.
- Fuel-mixture forming and feeding system. L. H. Wheeler. 1,654,622; Jan. 3.
- Fuel, Motor. D. Costaguta. 1,677,273; July 17.
- Fuel, Motor. E. C. Hennen. 1,682,561; Aug. 28.
- Fuel-oil burner. H. Barley. 1,655,083; Jan. 3.
- Fuel-oil burner. L. S. Chadwick, M. Resek, and J. A. Dahlstrom. 1,638,448; Oct. 23.
- Fuel-oil burner. F. H. Moore. 1,686,833; Oct. 9.
- Fuel-oil-burning apparatus. R. C. Wheeler. 1,667,404; Apr. 24.
- Fuel-oil heater. E. H. Nelson. 1,657,028; Jan. 24.
- Fuel-oil heater, Straight-tube. E. H. Nelson. 1,657,027; Jan. 24.
- Fuel-oil-heating means, Initial. I. E. Smith. 1,654,614; Jan. 3.
- Fuel-oil superheater, Automatic. G. Baker. 1,667,713; May 1.
- Fuel or similar objects from peat, peat moss, lignite, or the like, Apparatus for producing hard homogeneous. B. Jirotko. 1,691,196; Nov. 13.
- Fuel, Peat. R. E. Ober. 1,691,734; Nov. 13.
- Fuel, Producing dry gaseous. E. R. Godward. 1,686,610; Oct. 9.
- Fuel product. Atomizable mobile. A. W. Burwell. 1,684,125; Sept. 11.
- Fuel product. Preparing a. H. F. Maurel. 1,682,680; Aug. 28.
- Fuel-pulverizing system. W. R. Wood. 1,686,719; Oct. 9.
- Fuel regulator, Automatic. C. L. Stokes. 1,694,801; Dec. 11.
- Fuel reserve device. E. L. Grauel. 1,661,608; Mar. 6.
- Fuel, Saving. J. M. W. Kitchen. 1,659,692; Feb. 21.
- Fuel-supply attachment, Auxiliary. T. A. Siemons. 1,654,960; Jan. 3.
- Fuel-supply device. H. Wallace. 1,667,090; Apr. 24.
- Fuel-supply device for fuel tanks, Emergency-. C. K. Huthsing. 1,671,242; May 29.
- Fuel-supply means for boilers, Automatic. R. H. Beaumont. 1,666,027; Apr. 10.
- Fuel-supply system. J. A. Heany. 1,693,114; Nov. 27.
- Fuel-supply system. L. S. Keilholtz. 1,677,895; July 24.
- Fuel-supply system. C. F. Kottering. 1,664,366; Mar. 27.
- Fuel-supply system. T. A. Peebles. 1,664,318; Mar. 27.
- Fuel-supply system for internal-combustion engines. S. Wiltse. 1,694,805; Dec. 11.
- Fuel-supplying device. H. Kreisinger. 1,668,324; May 1.
- Fuel system. C. A. Mandolini. 1,662,614; Mar. 13.
- Fuel systems, Safety device for. J. T. Janette. 1,677,970; July 24.
- Fuel to a furnace, Apparatus for feeding powdered. E. Hermsdorf. 1,684,320; Sept. 11.
- Fuel to furnaces, Supplying powdered. A. R. Smith. 1,674,454; June 19.
- Fuel to internal-combustion engines, Apparatus for supplying. J. M. Bartley. 1,684,528; Sept. 18.
- Fuel to internal-combustion engines, Apparatus for supplying liquid. W. B. S. Whaley. 1,673,277; June 12.
- Fuel to internal-combustion engines, Supply of liquid. O. Wans. 1,657,185; Jan. 24.
- Fuel to internal-combustion engines, Supplying. A. G. Redmond. 1,686,573; Oct. 9.
- Fueling ships at sea, Method and apparatus for. T. S. Miller. 1,685,927; Oct. 2.
- Fuels, Burning liquid. J. L. Breese, jr. 1,680,085; Aug. 7.
- Fuels for burning in pulverized form, Preparing solid. L. B. Green. 1,673,114; June 12.
- Fuels, Pulverizing apparatus for solid. G. S. Loy. 1,656,862; Jan. 17.
- Fuels, Treating pulverized vegetable. S. Shimamoto. 1,668,660; May 8.
- Fuels, Vaporizing apparatus for liquid. R. R. Waterman. 1,658,582; Feb. 7.
- Fulling wool and the like. J. Nüsslein. 1,685,630; Sept. 25.
- Fume control, Apparatus for. V. K. Boyton. 1,675,403; July 3.
- Fumes, Apparatus for treating. M. I. Dorfan. 1,685,229; Sept. 25.
- Fumigant material and package. H. W. Houghton. 1,663,082; Mar. 20.
- Fumigating, Method of and apparatus for. F. J. Metzger and G. C. Bauer. 1,675,123; June 26.
- Fungicide. H. L. Kleinhans. 1,662,462; Mar. 13.
- Fungicide, Dry. E. Molz. 1,685,715; Sept. 25.
- Funnel. A. Del Rio. 1,664,266; Mar. 27.
- Funnel. N. Farden. 1,662,147; Mar. 13.
- Funnel. F. H. Hampton. Re16,842; Jan. 3.
- Funnel. G. G. Hilford. 1,676,986; July 10.
- Funnel. G. B. Trapnell. 1,686,995; Oct. 9.
- Funnel. Folding and siphoning. F. H. Hampton. 1,660,442; Feb. 28.
- Funnel for liquids. S. E. Nord. 1,655,021; Jan. 3.
- Funnel. Portable liquid-recording. D. G. Milligan. 1,695,053; Dec. 11.
- Funnel Ship's. H. Hass. 1,681,477; Aug. 21.
- Fur and making the same, Imitation. C. T. Pastor. 1,662,470; Mar. 13.
- Fur-cutting machine. S. Masel. 1,660,387; Feb. 28.
- Fur scarf. G. J. Baruch. 1,689,908; Oct. 30.

- Fur skins and the like, Treating. H. Stein, W. E. Austin, and I. Liebowitz. 1,688,875; May 8.
- Fur-scrapping machine. J. Kelling. 1,657,887; Jan. 31.
- Fur stretcher. R. L. Anderson. 1,659,345; Feb. 14.
- Fur testing and cutting device. E. Müller. 1,684,359; Sept. 11.
- Furnace derivatives, Obtaining. J. P. Trickey and C. S. Miner. 1,665,236; Apr. 10.
- Furnace: See—
- Air-heating furnace. High-frequency furnace.
- Aluminum-melting furnace. Hot-air furnace.
- Annealing furnace. Hot-water furnace.
- Annealing or heating furnace. Inductance furnace.
- Ash furnace. Induction furnace.
- Bar-heating furnace. Locomotive furnace.
- Blast furnace. Mechanical furnace.
- Boiler furnace. Melting furnace.
- Carbonizing furnace. Metallurgical furnace.
- Calcing furnace. Oil furnace.
- Channel induction furnace. Open-hearth furnace.
- Continuous furnace. Plumber's furnace.
- Cupola furnace. Pot furnace.
- Electric furnace. Rabble furnace.
- Electric resistance furnace. Reducing and smelting furnace.
- Electric vacuum furnace. Regenerative furnace.
- Enameling furnace. Retort furnace.
- Field induction furnace. Reversing furnace.
- Fluid-fuel furnace. Revivifying furnace.
- Forge furnace. Rotary furnace.
- Fuel furnace. Sectional furnace.
- Fuel burning furnace. Smelting furnace.
- Fuel-dust furnace. Smoke-generating furnace.
- Gas floor furnace. Soldering furnace.
- Gas furnace. Steam boiler furnace.
- Glass furnace. Tank furnace.
- Grease-melting furnace. Tilttable furnace.
- Hearth furnace. Underfeed furnace.
- Hearth calcining furnace. Warm-air furnace.
- Hearth-tray furnace. Water-cooled furnace.
- Heat-treating furnace. Wire-annealing furnace.
- Heating furnace.
- Furnace. E. G. Bailey. 1,670,295; May 22.
- Furnace. J. F. Baker. 1,691,369; Nov. 13.
- Furnace. V. Ballou. 1,696,538; Dec. 25.
- Furnace. M. Baran. 1,688,105; Oct. 16.
- Furnace. G. F. Beach. 1,690,710; Nov. 6.
- Furnace. W. Blaskewitz. 1,668,189; May 1.
- Furnace. C. H. Carpenter. 1,695,950; Dec. 18.
- Furnace. O. A. Colby. 1,693,370; Nov. 27.
- Furnace. L. A. Cook. 1,658,971; Feb. 14.
- Furnace. J. Custer. 1,668,585; May 8.
- Furnace. W. M. Duncan. 1,657,113; Jan. 24.
- Furnace. A. G. Egler. 1,674,167; June 19.
- Furnace. I. W. Foltz. 1,666,200; Apr. 17.
- Furnace. W. A. Gilchrist. 1,664,029; Mar. 27.
- Furnace. O. H. Gray and C. E. Murdock. 1,667,001; Apr. 24.
- Furnace. S. Hill and J. Latvala. 1,695,551; Dec. 18.
- Furnace. C. J. Huber. 1,666,418; Apr. 17.
- Furnace. R. A. Ilg. 1,674,828; June 26.
- Furnace. G. P. Jackson and H. D. Savage. 1,679,724; Aug. 7.
- Furnace. D. S. Jacobus and W. A. Jones. 1,672,532; June 5.
- Furnace. H. A. Leonhart. 1,685,710; Sept. 25.
- Furnace. E. Lundgren. 1,679,364; Aug. 7.
- Furnace. F. W. Manker. 1,688,393; Oct. 23.
- Furnace. T. A. Marsh. 1,656,643; Jan. 17.
- Furnace. D. Martin. 1,662,583; Mar. 13.
- Furnace. J. McCarten and A. G. Mattsson. 1,669,720; May 15.
- Furnace. F. Menne. 1,680,468; Aug. 14.
- Furnace. C. F. Osgood. 1,690,428; Nov. 6.
- Furnace. A. N. Otis and L. F. Woolston. 1,688,745; Oct. 23.
- Furnace. T. A. Peebles. 1,674,793; June 26.
- Furnace. O. W. Randolph. 1,685,339; Sept. 25.
- Furnace. D. S. Richardson. 1,692,953; Nov. 27.
- Furnace. F. H. Rosencrants. 1,694,144; Dec. 4.
- Furnace. S. B. Russell. 1,683,730; Sept. 11.
- Furnace. H. Seidl. 1,659,376; Feb. 14.
- Furnace. J. Spousta. 1,656,299; Jan. 17.
- Furnace. E. and W. C. Steinhorst. 1,655,110; Jan. 8.
- Furnace. L. Steinle. 1,674,531; June 19.
- Furnace. E. P. Stevens and R. J. Himmelright. 1,656,963; Jan. 24.
- Furnace. K. Tamele. 1,691,258; Nov. 13.
- Furnace. H. W. Theiss. 1,670,754; May 22.
- Furnace. H. Tielkemeyer. 1,688,763; Oct. 23.
- Furnace. W. F. Weathers. 1,680,654; Aug. 14.
- Furnace. E. G. Weeks. 1,669,796; May 15.
- Furnace. J. W. Westwick, sr. 1,696,067; Dec. 18.
- Furnace. W. H. Wineman. 1,679,145; July 31.
- Furnace. W. G. Wise. 1,658,364; Feb. 7.
- Furnace adapted for heating by nitrogenization, Electric resistance. A. Fry. 1,661,694; Mar. 6.
- Furnace and boiler. G. M. Daniels. 1,670,931; May 22.
- Furnace and carbonizing metallic charges therein, Electric. 1,674,932; June 26.
- Furnace and converter using preheated air, Fuel-heated. O. Löllep. 1,680,155; Aug. 7.
- Furnace and electrode, crane, Electric. A. E. Greene. 1,687,937; Oct. 16.
- Furnace and method of operation, Electric. A. E. Greene. 1,687,936; Oct. 16.
- Furnace and operating mechanism therefor, Electric. S. Arnold. 3d. 1,680,237; Aug. 7.
- Furnace and operating the same, Reversing. W. de Fries. 1,687,710; Oct. 16.
- Furnace and operating the same. R. H. Stevens. 1,689,563; Oct. 30.
- Furnace arch. W. M. Duncan. 1,694,534; Dec. 11.
- Furnace arch. C. Duquenne. 1,683,963; Sept. 11.
- Furnace arch, Self-sustaining. E. P. Stevens. 1,685,617; Sept. 25.
- Furnace arches, Repairing means for. O. E. Olson and L. Cooper. 1,677,002; July 10.
- Furnace attachment. F. D. Kenyon. 1,687,214; Oct. 9.
- Furnace attachment. V. Vecchio. 1,668,577; May 8.
- Furnace attachment, Hot-air. E. R. Nevel. 1,680,907; Aug. 14.
- Furnace baffle. L. Woerner. 1,674,080; June 19.
- Furnace burning pulverized fuel. W. Lulofs. 1,689,675; Oct. 30.
- Furnace cleaner. A. Brest. 1,695,169; Dec. 11.
- Furnace construction. D. H. Goodwillie. 1,655,680; Jan. 10.
- Furnace construction. J. W. Westwick, sr. 1,656,803; Jan. 17.
- Furnace construction and operation. D. Baird. 1,671,395; May 29.
- Furnace construction, Blast-. F. H. Willcox. 1,685,208; Sept. 25.
- Furnace construction, Roasting. D. Baird. 1,669,925; May 15.
- Furnace-control means, Pressure and temperature change responsive. C. H. Quin. 1,695,606; Dec. 18.
- Furnace-control system. J. C. Woodson. 1,673,544; June 12.
- Furnace-controlling apparatus. E. Roucka. 1,695,472; Dec. 18.
- Furnace, efficiency meter. J. M. Spitzglass. 1,686,186; Oct. 2.
- Furnace-firing apparatus. J. D. Lalor. 1,670,626; May 22.
- Furnace for annealing and flattening glass. J. J. Gessner. 1,660,157; Feb. 21.
- Furnace for continuously bright annealing, Electric bright-annealing. W. Kohn. 1,678,876; July 31.
- Furnace for domestic heating plants for solid fuel. W. Schmidt. 1,671,549; May 29.
- Furnace for glowing metal bands by induction currents, Electric. M. Tama. 1,689,365; Oct. 30.
- Furnace for heating metal sheets and plates. R. W. Stuler. 1,676,590; July 10.
- Furnace for heating rivets by means of oxygen and acetylene gases. F. Bourleaux. 1,677,467; July 17.
- Furnace for melting or producing glass, water glass, cement, or other substances, Electric. C. E. Cornelius. 1,656,510; Jan. 17.
- Furnace for producing and diluting products of combustion. G. Blumel. 1,676,070; July 3.
- Furnace for reduction of iron. C. M. Day and C. J. Scullin. 1,694,376; Dec. 11.
- Furnace for the decomposition of alkali-metal chlorides. J. Kersten. 1,692,175; Nov. 20.
- Furnace for treating metal. W. E. Watkins. 1,679,389; Aug. 7.
- Furnace for treating ores. F. M. Simonds. 1,693,702; Dec. 4.
- Furnace front. D. J. Irish. 1,665,786; Apr. 10.
- Furnace fronts, Oil-burning attachment for. G. N. Scott. 1,666,511; Apr. 17.
- Furnace grate, Sectional. O. J. Jones. 1,662,708; Mar. 13.
- Furnace having unidirectional circulation, Induction. J. R. Watt. Re16,967; May 15.
- Furnace hearth, Reheating continuous. E. D. Wright. 1,674,147; June 19.
- Furnace hood. N. W. Betzold. 1,679,150; July 31.
- Furnace lining and making the same. J. R. Wyatt. 1,638,220; Oct. 16.
- Furnace lining, Making. G. P. Suppes. 1,661,859; Mar. 6.
- Furnace more particularly for drying fuel. E. W. Bowen. 1,670,606; May 22.
- Furnace of recuperative type. J. L. Hott. 1,658,199; Feb. 7.
- Furnace rabble arm. E. J. Fowler. 1,687,935; Oct. 16.
- Furnace register. T. Olinger. 1,684,512; Sept. 18.
- Furnace regulation. C. H. Smoot. 1,685,788; Oct. 2.
- Furnace-regulator unit. A. H. McCulloch. 1,665,599; Apr. 10.
- Furnace-roof construction. F. H. Loftus. 1,686,386; Oct. 2.
- Furnace-slugging apparatus. H. E. Dunkelberger and N. Wittiers. 1,669,696; May 15.
- Furnace stack. C. H. Wagner. 1,693,008; Nov. 27.
- Furnace structure. R. A. Foresman. 1,682,328; Aug. 28.
- Furnace structure. H. B. Groninger. 1,672,524; June 5.
- Furnace-tapping machine. E. E. Brosius. 1,688,327; Oct. 23.
- Furnace terminal, Electric. F. A. J. Fitz Gerald and J. Kelleher. 1,657,671; Jan. 31.
- Furnace voltage control, Electric. A. E. Greene. 1,662,149; Mar. 13.
- Furnace wall. W. H. Boyd. 1,657,453; Jan. 31.
- Furnace wall. R. A. Foresman. 1,662,967; Mar. 20.

- Furnace wall. R. A. Foresman. 1,663,977; Mar. 27.
 Furnace wall. D. S. Jacobus. 1,696,239; Dec. 25.
 Furnace wall. N. E. Lewis and H. J. Kerr. 1,686,976; Oct. 9.
 Furnace wall. P. McKenzie. 1,692,134; Nov. 20.
 Furnace wall. G. M. Parker. 1,663,773; Mar. 27.
 Furnace wall, Air-cooled. R. A. Foresman. 1,693,378; Nov. 27.
 Furnace wall and brick therefor. O. Nygaard. 1,693,400; Nov. 27.
 Furnace wall and brick therefor. O. Nygaard and B. H. Snow. 1,696,812; Dec. 25.
 Furnace-wall construction. J. E. Bigelow. 1,670,490; May 22.
 Furnace-wall construction. G. P. Reintjes. 1,663,280; Mar. 20.
 Furnace-wall construction, Air-cooled. L. S. Abbott. 1,688,321; Oct. 23.
 Furnace-wall constructions. B. Brodio. 1,676,246; July 10.
 Furnace-wall structure. E. Lundgren. 1,688,339; Oct. 23.
 Furnace wall, Water-cooled. B. N. Brodio. 1,673,390; June 12.
 Furnace wall, Water-cooled. A. B. Helbig. 1,681,341; Aug. 21.
 Furnace walls and arches, Construction of. W. A. Gilchrist. 1,666,284; Apr. 17.
 Furnaces, Additional air supply for warm-air. R. Judd, E. Taylor, and R. S. McNaney. 1,664,821; Apr. 3.
 Furnaces, Air-circulating device for warm-air. L. C. Weaver and W. H. Rietz. 1,663,644; Mar. 27.
 Furnaces, Air feed for hot-air. E. G. Miller. 1,694,392; Dec. 11.
 Furnaces, Air preheater for. W. H. Owen. 1,690,242; Nov. 6.
 Furnaces, Air-supply system for blast. A. J. Ebner. 1,662,851; Mar. 20.
 Furnaces, Apparatus for lining open-hearth. A. P. Meyer. 1,655,558; Jan. 10.
 Furnaces, Automatic fue control for. G. A. Tuck. 1,693,769; Dec. 4.
 Furnaces, Checkwork for open-hearth and blast. F. H. Loftus. 1,686,826; Oct. 9.
 Furnaces, Coal-saving attachment for. J. T. Brown. 1,659,456; Feb. 14.
 Furnaces, Control of. E. McLean. 1,671,599; May 29.
 Furnaces, Cooling brickwork of. A. E. Getz. 1,665,205; Apr. 10.
 Furnaces, Current-regulating means for electric induction. C. B. Foley. 1,660,191; Feb. 21.
 Furnaces, Equipment for soft-coal-burning. F. E. Thomes. 1,672,792; June 5.
 Furnaces, Firing arrangement for muffle. W. J. Harris, jr. 1,672,862; June 5.
 Furnaces, Hot-water and steam heat economizer for. L. D. Summers. 1,657,771; Jan. 31.
 Furnaces, Method and apparatus for controlling. E. McLean. 1,680,026; Aug. 7.
 Furnaces, Operating open-hearth. A. L. Stevens. 1,677,664; July 17.
 Furnaces, Operating regenerative. A. N. Diehl and S. G. Worton. 1,671,628; May 29.
 Furnaces, Operation of open-hearth. F. B. McKune. 1,687,682; Oct. 16.
 Furnaces, Replaceable floating bridge part for glass. W. K. Brownlee. 1,657,106; Jan. 24.
 Furnaces, Roof and wall construction for open-hearth. F. H. Loftus. 1,686,387; Oct. 2.
 Furnaces, Water base for. J. Farris. 1,659,355; Feb. 14.
 Furnaces, Water front for. J. Vrba. 1,669,794; May 15.
 Furnaces, Water-heater attachment for. F. J. Wood. 1,665,520; Apr. 10.
 Furnaces, Wiring system for transformers for multiphase. H. Brock. 1,669,453; May 15.
 Furnishings, Concealable. W. C. Fain. 1,695,370; Dec. 18.
 Furniture. C. H. Busch. 1,691,624; Nov. 13.
 Furniture, Article of. H. Allemeier. 1,684,936; Sept. 18.
 Furniture, Article of. W. J. Bagen. 1,676,174; July 3.
 Furniture, Article of. C. L. Martin. 1,655,153; Jan. 3.
 Furniture, Article of. C. F. Percival. 1,674,220; June 19.
 Furniture brace. A. Balinsky. 1,689,222; Oct. 30.
 Furniture brace. G. W. L. Prettyman. 1,692,568; Nov. 20.
 Furniture brace and tensioning device. T. H. Wittliff. 1,687,189; Oct. 9.
 Furniture, Combination. F. Netschert. 1,675,375; July 3.
 Furniture, Combination. O. D. Willis and L. C. Withrow. 1,673,656; June 12.
 Furniture construction. E. E. Ash. 1,686,116; Oct. 2.
 Furniture construction. W. S. Ferris. 1,662,457; Mar. 13.
 Furniture construction. E. Morris and A. Vanderveld. 1,674,913; June 26.
 Furniture, Convertible. L. P. Armstrong. 1,676,514; July 10.
 Furniture fitment. E. Gomme. 1,666,646; Apr. 17.
 Furniture, Folding. N. N. Brown. 1,679,514; Aug. 7.
 Furniture, Making composite panels for metal. J. Stander. 1,687,952; Oct. 16.
 Furniture, Metal. C. H. Busch. 1,695,411; Dec. 18.
 Furniture, Nesting. A. K. Decker. 1,660,119; Feb. 21.
 Furniture or the like, Convertible mechanism for. B. F. Lindsley. 1,656,675; Jan. 17.
 Furniture pedestal. C. A. Brown. 1,671,696; May 29.
 Furniture pedestal and manufacture. C. A. Brown. 1,671,402; May 29.
 Furniture, Reversible back for upholstered. I. Hoffman. 1,695,101; Dec. 11.
 Furniture, Sliding shoe for. G. F. Lewis. 1,658,244; Feb. 7.
 Furniture standards and the like, Making. E. C. Amsden. 1,657,449; Jan. 31.
 Furniture tops, Edge construction for. J. A. Fitch and G. C. Brainard. 1,690,286; Nov. 6.
 Furring and fastening device. J. L. Sullivan. 1,664,096; Mar. 27.
 Furring and fastening device. S. B. Sullivan. 1,695,934; Dec. 18.
 Furring bracket. G. F. Voight. 1,655,117; Jan. 3.
 Furring bracket. G. F. Voight. 1,673,431; June 12.
 Furring strip. G. L. Bennett. 1,655,406; Jan. 10.
 Furring unit. G. F. Voight. 1,667,448; Apr. 24.
 Fuse. F. W. Bold. 1,662,695; Mar. 13.
 Fuse. R. E. Bowen. 1,674,633; June 26.
 Fuse. J. H. Carmean. 1,663,333; Mar. 20.
 Fuse. N. J. Conrad. 1,665,445; Apr. 10.
 Fuse. N. J. Conrad. 1,689,424; Oct. 30.
 Fuse. G. Kahn. 1,672,261; June 5.
 Fuse. P. A. Newman. 1,674,656; June 26.
 Fuse. C. H. Pearson. 1,688,652; Oct. 23.
 Fuse. E. F. Pelletier and W. Bandlow. 1,655,842; Jan. 10.
 Fuse. A. G. Steinmayer. 1,687,232; Oct. 9.
 Fuse and plug, Combination. W. B. Moss, jr. and M. L. Ardisana. 1,672,620; June 5.
 Fuse box. A. F. Euchenhofer. 1,669,702; May 15.
 Fuse clip. N. J. Conrad. 1,665,446; Apr. 10.
 Fuse, Combination. H. M. Brayton. 1,655,591; Jan. 10.
 Fuse, Combination instantaneous and delay. H. M. Brayton. 1,672,150; June 5.
 Fuse-controlled switch. E. W. Nass. 1,674,339; June 19.
 Fuse cut-out. J. B. Bourgeois. 1,682,365; Aug. 28.
 Fuse, Detonating. W. L. Lukens and N. Greenwell. 1,692,456; Nov. 20.
 Fuse, Electric. G. R. Brown. 1,669,157; May 8.
 Fuse, Electric. H. T. Bussmann. 1,665,528; Apr. 10.
 Fuse, Electric. V. Hope. 1,692,445; Nov. 20.
 Fuse, Electric. J. D. Roberts. 1,678,481; July 24.
 Fuse, Electric. J. Schürmann. 1,695,825; Dec. 18.
 Fuse, Electrical. C. A. Johnson and H. D. Harland. 1,681,239-40; Aug. 21.
 Fuse, Expulsion. F. Farrell. 1,673,868; June 19.
 Fuse for aerial bombs. Time. F. W. Bold. 1,681,390; Aug. 21.
 Fuse for artillery projectiles, Mechanical. A. Varaud. 1,665,899; Apr. 10.
 Fuse for artillery projectiles, Mechanical. A. Varaud. 1,695,070; Dec. 11.
 Fuse for drop bombs, Supersensitive. H. M. Brayton. 1,690,331; Nov. 6.
 Fuse for projectiles. W. L. Lukens and R. R. Carey. 1,687,341; Oct. 9.
 Fuse for projectiles subjected to a rotary movement around their axes during their trajectory, Percussion. A. Varaud. 1,666,672; Apr. 17.
 Fuse for projectiles, Time. F. G. L. Johnson. 1,674,333; June 19.
 Fuse, Mechanical time. O. Junghans. 1,693,516; Nov. 27.
 Fuse mechanism. M. J. Sandin. 1,658,905; Feb. 14.
 Fuse mechanism. M. J. Sandin. 1,684,518; Sept. 18.
 Fuse mechanism. C. W. Wyman. 1,696,745; Dec. 25.
 Fuse mechanism for explosive shells. R. L. Bartlett. 1,673,437; June 12.
 Fuse or cut-out, Electric. V. Hope. 1,679,971; Aug. 7.
 Fuse, Percussion. O. Junghans. 1,665,668; Apr. 10.
 Fuse, Percussion. L. E. Rémond. 1,666,792; Apr. 17.
 Fuse, Percussion and hydrostatic. A. Ogden. 1,693,661; Dec. 4.
 Fuse plug. L. Baenziger. 1,668,138; May 1.
 Fuse plug. M. H. Terry. 1,693,679; Dec. 4.
 Fuse plug. J. N. Weibeler. 1,676,122; July 3.
 Fuse plug. H. J. Wheeler. 1,678,412; July 24.
 Fuse plug, Indicating. J. F. Orlando. 1,687,037; Oct. 9.
 Fuse plug, Luminescent. L. F. Miller. 1,666,339; Apr. 17.
 Fuse, Powder time. H. M. Brayton. 1,675,530; July 3.
 Fuse, Refillable. J. H. Hickey. 1,687,247; Oct. 9.
 Fuse, Relay for high-tension. P. C. McKendrick. 1,660,080; Feb. 21.
 Fuse, Renewable. J. G. Clemens. 1,684,432; Sept. 18.
 Fuse, Renewable. J. H. Hickey. 1,687,246; Oct. 9.
 Fuse, Renewable. M. M. Lear. 1,663,343; Mar. 20.
 Fuse, Renewable. F. J. Roth. 1,663,179; Mar. 20.
 Fuse, Safety. J. Fritzsche. 1,674,773; June 26.
 Fuse, Safety. T. L. Vaughn, jr. 1,678,131; July 24.
 Fuse, Safety high-explosive impact. P. D. Van Essen. 1,687,484; Oct. 9.
 Fuse setter. R. L. Goetzenberger. 1,664,676; Apr. 3.
 Fuse-setting device for projectiles. A. T. Dawson and G. T. Buckham. 1,687,644; Oct. 16.
 Fuse with clockwork. Mechanical time. P. Liebergeld. 1,684,354; Sept. 11.
 Fused switch. J. Sachs. 1,680,117-18; Aug. 7.
 Fusee and carrying case, Knockdown. W. C. McMurray. 1,695,052; Dec. 11.
 Fuses, Bore safety device for. A. Adelman. 1,689,470; Oct. 30.
 Fuses, Holder for electric. O. E. Holtsclaw. 1,665,169; Apr. 3.
 Fuses, Locking device for. H. M. Brayton. 1,662,952; Mar. 20.

- Fuses, Setting device for time. N. E. Methlin. 1,680,902; Aug. 14.
- Fuselage. E. B. Carns. 1,685,121; Sept. 25.
- Fuselage for aeroplanes. W. F. Van Cleave. 1,677,535; July 17.
- Fusible switch. J. Sachs. 1,666,979; Apr. 24.
- Gaff hook. G. L. Bellile and F. Reissmann. 1,692,325; Nov. 20.
- Gaff hook. F. C. Woods. 1,686,889; Oct. 9.
- Gag and tongue holder, Mouth. B. F. Bell, sr. 1,695,168; Dec. 11.
- Gaiter and boot protector, Combined. W. Reinhardt. 1,663,613; Mar. 27.
- Gaiter for use on suspension springs. H. Lord. 1,683,363; Sept. 4.
- Gaiters, Making. C. H. Morrill. 1,672,132; June 5.
- Galley and type tie-up, Page. E. S. Kelley. 1,670,289; May 15.
- Galosh. W. B. Ihnen. Des. 76,799; Nov. 6.
- Galvanic battery, Primary. E. W. Jungner. 1,661,224; Mar. 6.
- Galvanizing. J. Blackburn and A. Albrecht. 1,663,037; Mar. 20.
- Galvanometer. J. W. Legg. 1,630,420; Aug. 14.
- Galvanometer, Recording. R. Fischer. 1,660,921; Feb. 28.
- Galvanoplasty and the object produced thereby, Incrusting. F. Maas. 1,662,430; Mar. 13.
- Gambrel, Hog. W. W. Brainard. 1,695,138; Dec. 11.
- Game. J. W. Ahlgrim. 1,658,961; Feb. 14.
- Game. M. Alland. 1,682,822; Sept. 4.
- Game. J. Bailey. 1,668,447; May 1.
- Game. A. C. Barnes. 1,663,235; Mar. 20.
- Game. A. E. Bird. 1,656,413; Jan. 17.
- Game. T. Brady. 1,662,231; Mar. 13.
- Game. T. E. Cahill. 1,683,860; Sept. 11.
- Game. E. G. Chisholm. 1,669,861; May 15.
- Game. J. Craigie. 1,689,326; Oct. 30.
- Game. E. Edwards. 1,695,144; Dec. 11.
- Game. J. Ekstein. 1,656,272; Jan. 17.
- Game. S. T. Farrell. 1,667,147; Apr. 24.
- Game. R. S. Firestone. 1,656,943; Jan. 24.
- Game. A. J. Forseth. 1,658,888; Feb. 14.
- Game. L. S. Gunderman. 1,694,819; Dec. 11.
- Game. W. P. Hacker. 1,660,505; Feb. 28.
- Game. H. D. Hardenstein. 1,666,448; Apr. 17.
- Game. S. A. Helfgott. 1,661,723; Mar. 6.
- Game. S. L. Hoexter. 1,686,237; Oct. 2.
- Game. F. M. Howe. 1,657,163; Jan. 24.
- Game. I. Jasper. 1,669,470; May 15.
- Game. O. Kauppinen. 1,669,762; May 15.
- Game. C. H. Lange and E. W. Vollert. 1,667,481; Apr. 24.
- Game. E. H. Lee. 1,693,116; Nov. 27.
- Game. H. A. Liebermann. 1,694,068; Dec. 4.
- Game. F. and J. S. Lorenz. 1,657,511; Jan. 31.
- Game. W. S. McMahon. 1,696,408; Dec. 25.
- Game. L. S. McVey. 1,681,682; Aug. 21.
- Game. M. Milewski. 1,685,076; Sept. 18.
- Game. R. C. Parent. 1,695,120; Dec. 11.
- Game. J. Patocka. 1,674,791; June 26.
- Game. E. J. Playfoot. 1,666,718; Apr. 17.
- Game. A. F. Reinheimer. 1,663,385; Mar. 20.
- Game. A. P. Richardson. 1,661,197; Mar. 6.
- Game. J. C. Sheller. 1,668,873; May 8.
- Game. J. W. Smith. 1,685,142; Sept. 25.
- Game. H. A. Sorlien. 1,675,619; July 3.
- Game. J. W. Thompson. 1,660,241; Feb. 21.
- Game. H. Vaughan. 1,661,711; Mar. 6.
- Game. E. Walton. 1,689,984; Oct. 30.
- Game. W. C. Ward. 1,684,813; Sept. 18.
- Game. V. Zimmerman. 1,667,450; Apr. 24.
- Game apparatus. A. Assorati. 1,657,912; Jan. 31.
- Game apparatus. F. W. Becker. 1,681,693; Aug. 21.
- Game apparatus. B. A. Bristow. 1,669,156; May 8.
- Game apparatus. F. L. Burt. 1,693,474; Nov. 27.
- Game apparatus. C. P. Caulkins. 1,674,715; June 26.
- Game apparatus. E. A. Christoph. 1,670,608; May 22.
- Game apparatus. C. W. Clark. 1,681,799; Aug. 21.
- Game apparatus. F. Cucinotto. 1,678,462; July 24.
- Game apparatus. S. E. Edwards. 1,661,885; Mar. 6.
- Game apparatus. K. J. Evans. 1,680,287; Aug. 14.
- Game apparatus. H. P. Gorman. 1,657,388; Jan. 24.
- Game apparatus. T. D. Gregg. 1,669,822; May 15.
- Game apparatus. C. A. Hewett. 1,683,185; Sept. 4.
- Game apparatus. M. G. Hilpert. 1,682,279; Aug. 28.
- Game apparatus. G. R. Livingston. 1,662,317; Mar. 13.
- Game apparatus. H. McDowell. 1,656,825; Jan. 17.
- Game apparatus. L. S. McVey. 1,678,189; July 24.
- Game apparatus. G. B. Mills, A. J. Schmiedeskamp, and H. E. Skinner. 1,682,926; Sept. 4.
- Game apparatus. H. M. Nestor. 1,662,162; Mar. 13.
- Game apparatus. H. W. Noyes. 1,663,024; Mar. 20.
- Game apparatus. M. E. Pesnel. 1,673,705; June 12.
- Game apparatus. B. A. Post. 1,657,548; Jan. 31.
- Game apparatus. M. J. Robins. 1,685,723; Sept. 25.
- Game apparatus. L. J. Rosar. 1,670,692; May 22.
- Game apparatus. E. J. Saul. 1,660,889; Feb. 28.
- Game apparatus. W. D. Vincent. 1,658,503; Feb. 7.
- Game apparatus. M. D. Vollmer. 1,682,645; Aug. 28.
- Game apparatus. A. L. Walton. 1,676,755; July 10.
- Game apparatus. W. W. Welpley. 1,695,624; Dec. 18.
- Game apparatus, Educational. M. S. Gleason. 1,660,501; Feb. 28.
- Game appliance. C. A. Nelson. 1,662,278; Mar. 13.
- Game, Ball. W. S. Pollard. 1,675,463; July 3.
- Game ball. A. T. Saunders. 1,684,557; Sept. 18.
- Game ball, Indefatigable. G. R. Jacobus. 1,692,305; Nov. 20.
- Game, Baseball. S. Anderson. 1,691,952; Nov. 20.
- Game, Baseball. C. Jones. 1,687,162; Oct. 9.
- Game, Baseball. A. Meyer. 1,684,189; Sept. 11.
- Game, Baseball. G. Smith. 1,687,800; Oct. 16.
- Game, Baseball. L. M. Wible. 1,672,478; June 5.
- Game, Basketball. S. Destefano. 1,661,216; Mar. 6.
- Game board. J. Chadillon. Des. 74,862; Apr. 10.
- Game board. P. K. Compton. 1,677,707; July 17.
- Game board. J. G. Culligan. Des. 76,989; Nov. 27.
- Game board. C. Petersen. 1,662,864; Mar. 20.
- Game board. H. Schlesinger. 1,688,942; Oct. 23.
- Game board. H. J. A. Steves. 1,666,359; Apr. 17.
- Game board. S. W. Templeton. 1,674,533; June 19.
- Game board and score counter, Combination. J. B. Buckley. 1,694,965; Dec. 11.
- Game board, Baseball. H. E. Pickett. 1,687,180; Oct. 9.
- Game board, Checker-. J. M. Dairymple. 1,679,652; Aug. 7.
- Game board, Education. B. L. Martien. 1,668,328; May 1.
- Game board for game pieces and surface projectiles. O. D. Sorrell. 1,666,474; Apr. 17.
- Game board, Golf. P. Kurtz. 1,687,217; Oct. 9.
- Game board, Spiral runway. P. Archer. 1,655,401; Jan. 10.
- Game, Card. A. L. Becket. 1,665,903; Apr. 10.
- Game, Card. C. H. Dolan. 1,657,791; Jan. 31.
- Game, Card. J. W. Donovan. 1,683,026; Sept. 4.
- Game, Card. E. Philipp. 1,678,576; July 24.
- Game, Card. S. K. Ramer. 1,681,683; Aug. 21.
- Game, Card. H. Wiekert, jr. 1,658,751; Feb. 7.
- Game, Card. O. N. Yamamoto. 1,694,029; Dec. 4.
- Game, Card. L. Zimmermann. 1,677,010; July 10.
- Game, Card or chart. G. S. Parker. 1,655,380; Jan. 3.
- Game, Clown phonic. L. G. Appley. 1,671,758; May 29.
- Game counter and making the same. W. J. McNally. 1,694,103; Dec. 4.
- Game. Cross-line-puzzle. W. R. Groger. 1,657,304; Jan. 24.
- Game device. J. W. Field. 1,663,074; Mar. 20.
- Game device. E. F. Gale. 1,661,329; Mar. 6.
- Game device. B. W. Gates. 1,664,506; Apr. 3.
- Game device. J. D. Glavin. 1,682,329; Aug. 28.
- Game device. A. B. Haslacher. 1,678,432; July 24.
- Game device. E. Lestage. 1,687,775; Oct. 16.
- Game device. L. A. Miller. 1,659,468; Feb. 14.
- Game device. J. J. Palumbo. 1,666,788; Apr. 17.
- Game device. T. W. Spaulding. 1,671,749; May 29.
- Game device. T. W. Tapio. 1,655,296; Jan. 3.
- Game device, Adjustable. A. D. Ferry. 1,675,453; July 3.
- Game, Dice. S. Neale, jr., and J. G. Westemeyer, jr. 1,668,818; May 8.
- Game, Drummer's. J. O. and R. C. Tuttle. 1,665,516; Apr. 10.
- Game, Educational. S. J. Klein. 1,674,866; June 26.
- Game, Educational. M. Murry. 1,668,569; May 8.
- Game, Educational. G. R. Wylie and J. A. Harrison. 1,670,703-4; May 22.
- Game, Educational card. H. Douglas. 1,666,996; Apr. 24.
- Game, Educational card. E. M. Phillips. 1,682,244; Aug. 28.
- Game, Football. L. E. Browning. 1,671,465; May 29.
- Game, Football. C. G. Devine. 1,654,582; Jan. 3.
- Game, Football. S. T. Farrell. 1,667,148; Apr. 24.
- Game, Football. A. Hustwick. 1,693,277; Nov. 27.
- Game, Horse-race. J. Barthel. 1,692,402; Nov. 20.
- Game indicator. H. F. Davis and J. D. Reid. 1,689,865; Oct. 30.
- Game, Indoor football. S. G. Hands. 1,683,404; Mar. 20.
- Game, Indoor golf. R. Johnson. 1,677,557; July 17.
- Game, Indoor parlor miniature football. M. E. Yaraus. 1,680,356; Aug. 14.
- Game, Instructional musical-harmony card. M. M. Bishop. 1,675,528; July 3.
- Game instrument for poker and similar card games. E. G. de Bary. 1,639,380; Oct. 30.
- Game, Lawn pool. W. S. Hasskarl and M. Marder. 1,679,659; Aug. 7.
- Game, Marble. W. J. Rice. 1,675,052; June 26.
- Game, Mechanical baseball. G. Smith. 1,682,636; Aug. 28.
- Game, Mechanically-simulated baseball. F. S. Atkinson. 1,673,660; June 12.
- Game, Motion-picture card. J. O. Miranda. 1,694,748; Dec. 11.
- Game of skill. F. W. Mills. 1,688,590; Oct. 23.
- Game or puzzle. T. J. Scanlan. 1,676,505; July 10.
- Game-playing machine. C. O. Nelson. 1,696,359; Dec. 25.
- Game, Pocket-golf. M. Alland. 1,686,647; Oct. 9.
- Game, Pocketed moving-surface. J. W. Brenkert. 1,674,681; June 26.
- Game, Putting. W. C. Brunder. 1,689,475; Oct. 30.
- Game-recording board. A. T. Vigneron. 1,668,389; May 1.
- Game requiring patience and skill, Angling. W. R. Uhlig. 1,663,962; Mar. 27.
- Game, Shooting. G. B. Deacon. 1,684,577; Sept. 18.
- Game skill register. W. H. Fulton. 1,668,066; May 1.
- Game, Snake and serpent table board. J. Kowalik. 1,656,205; Jan. 17.
- Game, Society. A. Spilling. 1,169,519; Nov. 20.
- Game table. H. Berg. Des. 75,951-2; Aug. 7.

- Game, Toy basket-ball. H. Garver. 1,654,968; Jan. 3.
 Game trap. L. A. Beardsley. 1,672,051; June 5.
 Game, War. J. O. and R. C. Tuttle. 1,666,953; Apr. 24.
 Games, Appliance for use in practicing. H. Egg. 1,671,894; May 29.
 Gaming device. R. M. Nicholson. 1,685,291; Sept. 25.
 Garage. G. L. C. Earle. 1,654,684; Jan. 3.
 Garage. L. B. Kocsis. 1,661,233; Feb. 28.
 Garage. H. E. Young. 1,667,467; Apr. 24.
 Garage light, Portable. L. Bloom and G. A. Cohan. 1,680,723; Aug. 14.
 Garage mechanism. G. D. Ross and G. W. Harlan. 1,668,837; May 1.
 Garage, Multistory. C. W. Ruth. 1,683,492; Sept. 4.
 Garage or barn door lock. W. Wanat. 1,661,982; Mar. 6.
 Garage, parking and storage. F. Dormann. 1,668,494; May 1.
 Garbage can. S. K. Frank. 1,656,053; Jan. 10.
 Garbage can, Sanitary. J. F. de Velder. 1,659,726; Feb. 21.
 Garbage can, Sanitary. O. F. Radcliffe. 1,656,015; Jan. 10.
 Garbage can, Sanitary. W. Wilkins. 1,678,839; July 31.
 Garden implement. J. H. Bockstadter. 1,679,806; Aug. 7.
 Garden implement. F. Hurka. 1,662,675-4; Mar. 13.
 Garden implement, Combined. E. F. Keilig. 1,662,069; Mar. 13.
 Garden roller. T. Cantu. 1,676,941; July 10.
 Gardening implement. E. S. Leonardos. 1,661,729; Mar. 6.
 Garment. R. R. Blanshan. 1,691,957; Nov. 20.
 Garment. F. Boehme. 1,659,803; Feb. 21.
 Garment. S. S. Chesnin. 1,661,922; Mar. 6.
 Garment. G. G. Chick. 1,671,670; May 29.
 Garment. J. A. Duncan. 1,696,671; Dec. 25.
 Garment. M. Kosofsky. 1,667,161; Apr. 24.
 Garment. F. Lerner. 1,677,145; July 17.
 Garment. I. L. Lesavoy. 1,677,188; July 17.
 Garment. C. Mayer. 1,655,818; Jan. 10.
 Garment. S. G. Mountain. 1,672,770; June 5.
 Garment. J. Polak. 1,665,507; Apr. 10.
 Garment. A. V. Rigney and E. M. Burke. 1,659,281; Feb. 14.
 Garment. J. Rimpler. 1,678,081; July 24.
 Garment. D. Rothstein. 1,661,130; Feb. 28.
 Garment. J. Siegel. 1,667,827; May 1.
 Garment. L. F. Traver. 1,665,232; Apr. 10.
 Garment. R. du F. Ullman. 1,677,258; July 17.
 Garment. S. Volker. 1,691,790; Nov. 13.
 Garment. C. G. Wright. 1,689,469; Oct. 30.
 Garment and laundry press. A. B. Clisson and P. N. Braun. 1,671,064; May 22.
 Garment and making same. C. W. Green. 1,670,405; May 22.
 Garment and making same. G. W. Spalding. 1,672,432; June 5.
 Garment, Appareil. W. Kops. 1,675,179; June 26.
 Garment, Appareil. W. Kops. 1,680,051; Aug. 7.
 Garment, Athlete's protective. D. Levinson. 1,660,342; Feb. 28.
 Garment bag. W. B. Collins. 1,681,923; Aug. 28.
 Garment bag. H. B. Ferguson. Des. 76,384; Sept. 25.
 Garment bag. S. J. Johnson. 1,679,828; Aug. 7.
 Garment bag. H. C. Montague. 1,695,661; Dec. 18.
 Garment bag. D. Warren. 1,661,644-5; Mar. 6.
 Garment band, Detachable. R. M. G. Phillips. 1,688,431; Oct. 23.
 Garment, Child's. A. Abramovich. 1,657,909; Jan. 31.
 Garment, Child's. D. S. Ward. 1,696,559; Dec. 25.
 Garment, Combination. H. E. Brewer. 1,696,620; Dec. 25.
 Garment, Combination. G. L. Nickerson. 1,656,288; Jan. 17.
 Garment construction. N. Zuck. 1,683,226; Sept. 4.
 Garment, Convertible. R. J. Quantz. 1,693,464; Nov. 27.
 Garment drier. E. B. Ruby. 1,670,423; May 22.
 Garment drier, Portable. B. Kelley. 1,669,249; May 8.
 Garment, Electrically-heated. W. D. Graham and C. M. Uhlig. 1,691,472; Nov. 13.
 Garment gauge. J. B. Wells. 1,665,682; Apr. 10.
 Garment hanger. W. Baier. 1,673,059; June 12.
 Garment hanger. R. Bass. 1,663,646; Mar. 27.
 Garment hanger. I. Cantrell and G. L. Marcum. 1,658,882; Feb. 14.
 Garment hanger. C. P. Gass. 1,689,126; Oct. 23.
 Garment hanger. L. E. Gaume. 1,663,855; Mar. 20.
 Garment hanger. G. C. Hoffman. 1,674,043; June 19.
 Garment hanger. A. H. Peckham. 1,682,626; Aug. 28.
 Garment hanger. S. A. Schneider. 1,693,871; Dec. 4.
 Garment hanger. J. R. Trethwey. 1,668,662; May 8.
 Garment hanger. D. R. Trevino. 1,676,936; July 10.
 Garment hanger. B. Weinberg. 1,689,373; Oct. 30.
 Garment holding form. C. H. Tharp. 1,663,573; Mar. 27.
 Garment, Nether. A. E. Robertson. 1,692,350; Nov. 20.
 Garment of inelastic material. M. D. Neilson. 1,670,474; May 22.
 Garment press. P. N. Braun. 1,676,423; July 10.
 Garment press. J. C. Ledbetter. Re16,852; Jan. 17.
 Garment press. J. C. Ledbetter. 1,667,811; May 1.
 Garment press. J. C. Ledbetter. 1,685,820; Oct. 2.
 Garment press, Electric. E. J. Carroll. 1,682,484; Aug. 28.
 Garment protector and seat pad. E. P. Love. 1,659,405; Feb. 14.
 Garment, Pull-over. G. H. Robichon. 1,670,213; May 15.
 Garment rack. B. Oestreicher. 1,660,973; Feb. 28.
 Garment-rack card holder. M. C. Barbour. 1,670,291; May 22.
 Garment rack, Collapsible. J. Linck and A. Joest. 1,685,925; Oct. 2.
 Garment, Sanitary. F. G. Mark. 1,661,952; Mar. 6.
 Garment, Stage. E. C. Jensen. 1,695,590; Dec. 18.
 Garment steam and air press. J. C. Ledbetter. 1,662,975; Mar. 20.
 Garment stretcher. K. W. T. Printz and O. F. Westenberg. 1,670,938; May 22.
 Garment stretcher for laundry work. A. I. Hondeville and W. J. Ross. 1,667,971; May 1.
 Garment support. M. E. Kintz. 1,672,325; June 5.
 Garment supporter. P. D. Beiden. 1,664,345; Mar. 27.
 Garment supporter. G. C. Moore. 1,667,432; Apr. 24.
 Garment supporter. C. L. Strauss. 1,657,902; Jan. 31.
 Garment supporter. L. Woods. 1,661,590; Mar. 6.
 Garment, Therapeutic. J. D. Willmott. 1,659,934; Feb. 21.
 Garment, Union. W. P. Sweeney. 1,659,451; Feb. 14.
 Garment, Ventilated. F. W. Thompson. 1,679,102; July 31.
 Garment, Woman's. J. Foerch. 1,689,125; Oct. 23.
 Garments, Armhole bead for. F. J. Dux. 1,663,042; Mar. 20.
 Garter. G. Abraham. 1,677,423; July 17.
 Garter. C. Bloomberg. 1,672,599; June 5.
 Garter. D. B. Jacobs. 1,666,823; Apr. 17.
 Garter, Adjustable. L. K. Morrison. 1,668,461; May 1.
 Garter, Roll. L. F. Keyser. 1,682,912; Sept. 4.
 Gas-absorbent bodies air-tight in liquids, Rendering. R. Oppenheim. 1,678,405; July 24.
 Gas-absorption apparatus. W. G. Laird. 1,666,744; Apr. 17.
 Gas-administering apparatus. E. I. McKesson. 1,687,255; Oct. 9.
 Gas-analysis apparatus. C. H. Porter. 1,681,047; Aug. 14.
 Gas-analysis recorder. O. Rodhe. 1,661,049; Feb. 28.
 Gas-analyzing apparatus. O. Rodhe. 1,661,627; Mar. 6.
 Gas and air, Apparatus for delivering a mixture of. G. Keith. Re16,906; Mar. 20.
 Gas and air mixer and burner, Combined. M. E. Vezie. 1,654,952; Jan. 3.
 Gas and air mixing device, Proportional. J. L. Kluppel. 1,667,072; Apr. 24.
 Gas and coke in alternately-working water-gas generators, Apparatus for producing. A. Breisig. 1,691,636; Nov. 13.
 Gas and liquid-contact apparatus. C. M. Alexander. 1,667,136; Apr. 24.
 Gas and oil burner, Combination. E. Ritter. 1,687,390; Oct. 9.
 Gas and oil trap. G. A. Overstrom. 1,674,699; June 26.
 Gas and water from oil, Apparatus for separating. V. Chancellor and L. Calvert. 1,673,663; June 12.
 Gas apparatus, Control means for. P. Plantinga. 1,683,372; Sept. 4.
 Gas, Apparatus for analyzing. F. J. Bast. 1,673,898; June 19.
 Gas, Apparatus for the manufacture of mixed. M. W. Travers and F. W. Clark. 1,681,313; Aug. 21.
 Gas boiler. E. R. Downe. 1,690,105; Nov. 6.
 Gas burner. H. Bansen. 1,656,907; Jan. 24.
 Gas burner. W. S. Bowen. 1,677,811; July 17.
 Gas burner. H. H. Carroll. 1,684,575; Sept. 18.
 Gas burner. L. Deck. 1,670,191; May 15.
 Gas burner. H. E. Dickinson. 1,696,840; Dec. 25.
 Gas burner. S. E. Diescher. 1,683,128; Sept. 4.
 Gas burner. R. Eickworth. 1,664,973; Apr. 3.
 Gas burner. S. M. Evans. 1,679,298; July 31.
 Gas burner. A. T. Garden. 1,669,463; May 15.
 Gas burner. R. Garneau. 1,657,995; Jan. 31.
 Gas burner. F. W. Gault, jr. 1,670,147; May 15.
 Gas burner. B. A. and L. H. Geurlink. 1,663,339; Mar. 20.
 Gas burner. E. A. Hall and G. E. Burns. 1,695,548; Dec. 18.
 Gas burner. P. S. Harper. 1,664,508; Apr. 3.
 Gas burner. M. Jones. 1,676,953; July 10.
 Gas burner. H. E. Kerr. 1,677,787; July 17.
 Gas burner. H. E. Kerr. 1,691,607; Nov. 13.
 Gas burner. C. A. Lausen. 1,676,564; July 10.
 Gas burner. J. Mackenzie. 1,688,641; Oct. 23.
 Gas burner. R. C. Mason. 1,668,596; May 8.
 Gas burner. J. T. McCourt. 1,690,743; Nov. 6.
 Gas burner. W. Newman and L. W. Stouder. 1,655,285; Jan. 3.
 Gas burner. M. Nuss. 1,692,382; Nov. 20.
 Gas burner. F. C. Pardon. 1,670,269; May 15.
 Gas burner. G. F. Reznor. 1,692,186; Nov. 20.
 Gas burner. F. V. Risinger. 1,682,148; Aug. 28.
 Gas burner. H. D. Schrader. 1,667,133; Apr. 24.
 Gas burner. H. D. Schrader. 1,678,086; July 24.
 Gas burner. H. D. Schrader. 1,686,711; Oct. 9.
 Gas burner. W. L. Sharp. 1,684,457; Sept. 18.
 Gas burner. J. H. Smith. 1,669,631; May 15.
 Gas burner. P. J. Sonner. 1,684,647; Sept. 18.
 Gas burner. A. Steffen. 1,660,018; Feb. 21.
 Gas burner. S. C. Vincent. 1,687,356; Oct. 9.
 Gas burner. G. Warmack. 1,656,549; Jan. 17.
 Gas burner, Blow-blast. N. V. Deemar. 1,661,920; Mar. 6.

- Gas burner, Circulating. J. M. Axtell and F. G. von Hofen. 1,676,472; July 10.
- Gas-burner igniter. A. Dolfi. 1,655,458; Jan. 10.
- Gas burner, Water-heater. R. C. Hoyt. 1,666,094; Apr. 17.
- Gas-burning apparatus, Time-controlled. V. M. Tyler. 1,678,130; July 24.
- Gas-cell fabric. W. J. Kelly. 1,691,764; Nov. 13.
- Gas compressor. S. Imhoff-Papácková. 1,674,374; June 19.
- Gas control. C. E. Kimbrough. 1,681,041; Aug. 14.
- Gas-control apparatus. R. Fricke. 1,661,252; Mar. 6.
- Gas diffuser. E. J. Sweetland. 1,677,502; July 17.
- Gas-dilution system, Natural. H. F. Smith. 1,657,045; Jan. 24.
- Gas economizer. J. J. Higgins. 1,695,848; Dec. 18.
- Gas engine. R. S. Baker. 1,690,321; Nov. 6.
- Gas engine. V. N. Sevier and J. O. Hayes. 1,659,500; Feb. 14.
- Gas engine. B. C. Stickney. 1,691,944; Nov. 20.
- Gas engine, Rotary. G. B. Aber. 1,681,454; Aug. 21.
- Gas engine, Two-cycle. H. E. Allen. 1,676,512; July 10.
- Gas-expelling device. L. G. Simonsen. 1,667,443; Apr. 24.
- Gas-fired boiler. A. A. Marks. 1,681,045; Aug. 14.
- Gas floor furnace. H. E. Dickinson. 1,667,625; Apr. 24.
- Gas floor furnace. F. J. Ward. 1,672,590; June 5.
- Gas-flow control, Blowpipe. A. J. Eason. 1,661,691; Mar. 6.
- Gas from coal, Manufacture of. M. W. Travers and F. W. Clark. 1,674,000; June 19.
- Gas from oil tanks, etc., of refineries, System for gathering. H. R. Maxon. 1,689,352; Oct. 30.
- Gas furnace. G. S. Hall. 1,663,835; Mar. 27.
- Gas furnace. E. A. Jones. 1,657,125; Jan. 24.
- Gas furnace. E. L. Payne. 1,676,665; July 10.
- Gas furnace. W. E. Williams. 1,659,900; Feb. 21.
- Gas furnace, Refractory. J. Ross. 1,664,267; Mar. 27.
- Gas, Generating. C. W. Botsford. 1,682,264; Aug. 28.
- Gas-generating system, Electrolytic. W. G. Allan. 1,660,147; Feb. 21.
- Gas, Generating water. L. B. Moorhouse. 1,660,202; Feb. 21.
- Gas generator. C. W. Botsford. 1,683,155; Sept. 4.
- Gas generator, Acetylene. C. R. F. E., J. M., and J. W. Beatty. 1,654,674; Jan. 3.
- Gas generator, Acetylene. D. H. Danley. Re. 16,849; Jan. 10.
- Gas generator, Acetylene. W. A. Henderson. 1,656,791; Jan. 17.
- Gas heater. W. D. Antrim. 1,669,503; May 15.
- Gas heater. W. Kennedy. 1,681,484; Aug. 21.
- Gas heater. W. Kennedy. 1,681,734; Aug. 21.
- Gas heater. H. Lange. Des. 74,838; Apr. 3.
- Gas heater. F. M. Miner, Jr. Re. 17,098; Oct. 9.
- Gas heater. E. Nauer. 1,655,658; Jan. 10.
- Gas heater. W. L. Sharp. Des. 75,192; May 15.
- Gas heater. W. L. Sharp. Des. 75,752; July 10.
- Gas heater. W. L. Sharp. Des. 76,429; Sept. 25.
- Gas heater. A. B. Sharp. 1,694,357; Dec. 4.
- Gas heater. A. H. Wolff. 1,686,358; Oct. 2.
- Gas heater, Combined radiating and circulating. G. L. Bridge. 1,666,679; Apr. 17.
- Gas heater, Radiant. J. B. Slattery. 1,668,612; May 8.
- Gas heater, Radiant. A. F. Thompson. Des. 75,879; July 24.
- Gas holder. J. H. Wiggins. 1,683,005; Sept. 4.
- Gas lines, Sealing valve for. H. B. Hatton, Jr. 1,667,034; Apr. 24.
- Gas making. H. R. Berry. 1,672,052; June 5.
- Gas-making apparatus. T. W. Stone. 1,671,093; May 22.
- Gas-making apparatus, Automatic controller for. J. S. Kennedy. 1,668,319; May 1.
- Gas, Making carbureted water. F. B. Hayes. 1,667,518; Apr. 24.
- Gas, Making mixed. H. Nielsen and J. R. Garrow. 1,654,942; Jan. 3.
- Gas, Making producer. W. M. Cross. 1,657,371; Jan. 24.
- Gas, Making producer. H. L. Doherty. 1,670,102; May 15.
- Gas, Manufacturing fuel. F. Winkler. 1,687,118; Oct. 9.
- Gas meter. A. G. Cooke and B. C. Phillips. 1,664,193; Mar. 27.
- Gas meter. A. R. Huettig. 1,668,078; May 1.
- Gas meter. A. R. Huettig. 1,676,651; July 10.
- Gas meter. G. A. Lane. 1,655,654; Jan. 10.
- Gas mixtures, Separating. A. B. Ray. 1,685,883; Oct. 2.
- Gasoline filling station and the like. W. L. Marden. 1,677,923; July 24.
- Gas outlet. E. W. Horton and H. G. Richardson. 1,677,634; July 17.
- Gas plant, Domestic. A. L. Clark. 1,664,284; Mar. 27.
- Gas plants, Safety device for. F. Wolff. 1,669,317; May 8.
- Gas producer. G. H. Bentley and E. G. Appleby. 1,679,645; Aug. 7.
- Gas producer. F. L. Duffield. 1,692,724; Nov. 20.
- Gas producer. P. Jaworski. 1,693,483; Nov. 27.
- Gas producer. C. W. Lummis. 1,655,320; Jan. 3.
- Gas producer. C. W. Lummis. 1,659,493; Feb. 14.
- Gas producer. C. W. Lummis. 1,666,604; Apr. 17.
- Gas producer. C. W. Lummis. 1,676,148; July 3.
- Gas producer. J. Mawson. 1,658,789; Feb. 7.
- Gas producers, shaft furnaces, and the like, Charging device for. J. Lambot. 1,668,968; May 8.
- Gas, Producing. L. P. Burrows. 1,695,914; Dec. 18.
- Gas producing and heating appliance. J. Mackenzie. 1,695,854; Dec. 18.
- Gas-producing apparatus. V. D. McDonnell. 1,662,266; Mar. 13.
- Gas-producing apparatus. W. L. Shepard. 1,689,159; Oct. 23.
- Gas, Producing combustible. W. W. Kemp. 1,677,785; July 17.
- Gas, Production of. H. H. Smith. 1,667,272; Apr. 24.
- Gas, Production of carbureted water. C. W. Andrews. 1,672,109; June 5.
- Gas purification. J. Becker. 1,665,013; Apr. 3.
- Gas-purification process. F. W. Sperr, Jr. 1,677,304; July 17.
- Gas-purification process and apparatus. F. W. Speer, Jr. 1,690,437; Nov. 6.
- Gas-purification process and apparatus. E. H. Bird. 1,660,741; Feb. 25.
- Gas-radiator systems, Safety device for. E. E. Ledbetter. 1,685,819; Oct. 2.
- Gas range. H. W. O'Dowd. 1,656,529; Jan. 17.
- Gas-range burner. P. S. Harper. 1,664,509; Apr. 3.
- Gas-range burner. P. S. Harper. 1,676,893; July 10.
- Gas regulator. A. L. Pickering. 1,674,625; June 19.
- Gas regulator, Fuel. J. Quinlan. 1,692,467; Nov. 20.
- Gas trap. F. W. Harris. 1,691,350; Nov. 13.
- Gas retort. H. Koppers. 1,663,847; Mar. 27.
- Gas-sampling apparatus, Combustion-. F. D. Potter. 1,658,391; Feb. 7.
- Gas saver. T. W. Thaxton. 1,653,580; Feb. 7.
- Gas-saving device. E. Goeseide. 1,681,230; Aug. 21.
- Gas scrubber for refrigerating apparatus. A. C. Thayer. 1,677,804; July 17.
- Gas separator. J. F. Borden. 1,667,139; Apr. 24.
- Gas-stop seal. P. Mueller. 1,662,863; Mar. 20.
- Gas-supplying apparatus. R. Weber. 1,683,112; Sept. 4.
- Gas tanks, Method and apparatus for filling. C. R. Thomas. 1,659,384; Feb. 14.
- Gas, Treating methane. G. Olivier. 1,677,363; July 17.
- Gas-treating process. C. Lourens. 1,667,426; Apr. 24.
- Gas, Treatment of fuel. E. H. Bird. 1,654,782; Jan. 3.
- Gas vent. T. E. W. N. Bossey. 1,668,488; May 1.
- Gas wells, Method of flowing. G. C. Henceroth. 1,666,779; Apr. 17.
- Gases and liquids, Device for indicating admixtures to. K. Wollin and E. Smolczyk. 1,676,125; July 3.
- Gases and vapors, Absorption plant for. F. Rottmann and F. Brohmeyer. 1,677,409; July 17.
- Gases and vapors, Transferring. G. E. Fox. 1,659,948; Feb. 21.
- Gases, Apparatus for rarefying. J. O. Boving. 1,664,347; Mar. 27.
- Gases, Apparatus for regulating the composition of mixed. C. H. Smoot. 1,682,689; Aug. 28.
- Gases, Apparatus for regulating the mixture of. T. A. Peebles. 1,657,134; Jan. 24.
- Gases, Apparatus for smelting the metallic dust and recovering the heat from blast-furnace. J. M. Schutz. 1,662,939; Mar. 20.
- Gases, Apparatus for treating. O. L. Barnebey. 1,661,104; Feb. 28.
- Gases, Apparatus for treating. E. Ströder. 1,663,734; Mar. 27.
- Gases, Apparatus suitable for the gradual production of. W. E. Kennerich. 1,668,371; May 1.
- Gases, Cleaning up residual. A. E. Lyle. 1,659,207; Feb. 14.
- Gases from gaseous mixtures, Separation of. M. H. Roberts. 1,693,052; Nov. 27.
- Gases from liquids, Apparatus for removing. L. D. Mills. 1,671,601; May 29.
- Gases from metallic powders, Drying and extracting. E. Seyffert. 1,674,230; June 19.
- Gases or exhaust gases containing carbon dioxide, Apparatus for utilizing impure. F. Riedel. 1,687,229; Oct. 9.
- Gases, Production of dry. G. Wietzel and F. Stoewener. 1,682,588; Aug. 28.
- Gases, Purifying. F. Jost. 1,681,702; Aug. 21.
- Gases, Purifying of. W. H. Fulweller. 1,679,858; Aug. 7.
- Gases, Purification of. H. J. Krase, H. C. Hetherington, and A. T. Larson. 1,673,877; June 19.
- Gases, Separating and recovering. O. L. Barnebey. 1,680,840; Aug. 14.
- Gases, Storing and transporting. P. N. Lucas-Girardville. 1,680,873; Aug. 14.
- Gases through boilers, Control of. J. B. Crane. 1,677,749; July 17.
- Gases to be used in the production of ammonia, Purification of. B. F. Halvorsen. 1,694,594; Dec. 11.
- Gases, Treating. O. L. Barnebey. 1,660,642; Feb. 28.
- Gases, Treating. O. L. Barnebey. 1,661,149; Feb. 28.
- Gases, Using high-tension electric arcs for treatment of. E. Edwin. 1,683,534; Sept. 4.
- Gaseous catalytic reactions and apparatus therefor, Conducting. R. E. Slade. 1,686,349; Oct. 2.
- Gaseous conduction discharges, Method and apparatus for maintaining. D. M. Moore. 1,658,568; Feb. 7.
- Gaseous mixtures, Apparatus for, burning explosive. S. P. Vaughn. 1,677,156; July 17.
- Gaseous reactions, Apparatus and method for. J. M. Weed. 1,673,654; June 12.
- Gasiform fluids, Pumping. F. A. Howard. 1,673,678; June 12.
- Gasket. C. B. Bailey. 1,684,656; Sept. 18.

- Gasket. H. A. Barutio. 1,657,877; Jan. 31.
 Gasket. J. C. Cromwell. 1,661,878; Mar. 6.
 Gasket. P. T. Sywert. 1,694,291; Dec. 4.
 Gasket. E. J. Wirfs, jr. 1,657,733; Jan. 31.
 Gasket. E. J. Wirfs. 1,683,941; Sept. 11.
 Gasket. E. J. Wirfs, jr. 1,683,942; Sept. 11.
 Gasket. E. J. Wirfs, jr. 1,695,073; Dec. 11.
 Gasket and air filter, Bottle-supporting. A. Davis, jr. 1,658,227; Feb. 7.
 Gasket cutter. J. E. Mahin. 1,670,628; May 22.
 Gasket for radiator caps. A. C. Lippert. 1,671,299; May 29.
 Gasket, Hose-coupling. A. A. Mackert. 1,685,852; Oct. 2.
 Gasket, Metallic. F. J. Oven. 1,692,857; Nov. 27.
 Gasket, Spark-plug. C. B. Bailey. 1,685,059; Sept. 18.
 Gasoline and other light hydrocarbons from heavier hydrocarbons, Process of and apparatus for producing. B. Ormont. 1,691,300; Nov. 13.
 Gasoline. Apparatus for purifying. J. P. Johnson. 1,661,478; Mar. 6.
 Gasoline, casing-head gasoline, natural gasoline, and the like, Treatment of natural-gas. H. B. Bernard. 1,658,322; Feb. 7.
 Gasoline-dispensing tank. J. H. Metcalf. Des. 75,631; June 26.
 Gasoline electric power systems, Control of. O. F. Warhus. 1,662,092; Mar. 13.
 Gasoline engine. H. L. Adams. 1,689,576; Oct. 30.
 Gasoline from crude oil, Process and apparatus for separating. A. E. Pew, jr., and H. Thomas. 1,666,800; Apr. 17.
 Gasoline from gas, Combined absorption and fractionation for recovering. E. R. Cox and D. A. Cushman. 1,695,139; Dec. 11.
 Gasoline from natural gases, Producing. E. B. Bird. 1,656,813; Jan. 17.
 Gasoline gauge. C. E. Hanon. 1,678,115; July 24.
 Gasoline gauge. A. P. Hawn. 1,656,064; Jan. 10.
 Gasoline gauge. W. H. Muzzy. 1,691,730; Nov. 13.
 Gasoline gauge. J. Schwan. 1,662,540; Mar. 13.
 Gasoline in tank cars, Apparatus for gauging the temperature of. H. B. Hickman. 1,668,149; May 1.
 Gasoline, Making. O. Behimer. Re16,877; Feb. 14.
 Gasoline, Manufacture of natural. H. E. Thompson. 1,695,162; Dec. 11.
 Gasoline reserve. H. M. Cooper. 1,666,254; Apr. 17.
 Gasoline-reserve device. G. Shearman. 1,671,551; May 29.
 Gasoline substitute, Making. J. B. Neuendorff. 1,666,976; Apr. 24.
 Gasometer. K. Jagschitz. 1,677,524; July 17.
 Gate: See—
 Ash gate. Railway-crossing gate.
 Automatic gate. Railway gate.
 Automatic railway gate. Safety gate.
 Bin gate. Sand gate.
 Collapsible gate. Skim gate.
 Crossing gate. Sluice gate.
 End gate. Vehicle-actuated gate.
 Farm gate. Vehicle gate.
 Hydraulic gate. Wagon-box end gate.
 Railroad gate.
 Gate. T. Brady. 1,654,857; Jan. 3.
 Gate. D. E. Charlebois. 1,656,470; Jan. 17.
 Gate. B. W. Cook. 1,677,708; July 17.
 Gate. J. Evans. 1,690,061; Oct. 30.
 Gate. F. Gwisdalla. 1,672,525; June 5.
 Gate. F. H. Smith. 1,685,506; Sept. 25.
 Gate. J. W. Smith. 1,681,374; Aug. 21.
 Gate. W. F. Werbe. 1,666,727; Apr. 17.
 Gate. H. W. Wilson. 1,654,850; Jan. 3.
 Gate and garage door, Farm. D. B. Coates. 1,668,631; May 8.
 Gate and signal, Automatic railroad-crossing. D. Schneider. 1,686,771; Oct. 9.
 Gate and signal, Railway. E. J. Cable. 1,659,805; Feb. 21.
 Gate arrangement, Bin-. C. H. Chappellan and C. F. Walker. 1,695,272; Dec. 18.
 Gate-closing device. W. K. Edwings. 1,684,578; Sept. 18.
 Gate connection for corrugated conduits. L. P. Pekrul. 1,670,519-20; May 22.
 Gate construction. C. A. Carl. 1,677,330; July 17.
 Gate-controlling device, Automatic. L. J. Geohring. 1,690,972; Nov. 6.
 Gate for dump pits. A. P. Winter. 1,676,307; July 10.
 Gate for Lehr's ovens, and the like. R. B. Stuckey. 1,677,933; July 24.
 Gate for motor mixers, Discharge. O. C. Talbot and A. Flood. 1,667,959; May 1.
 Gate for pulp vats, Safety. D. Gervais. 1,656,944; Jan. 24.
 Gate mechanism. T. Brady. 1,685,225; Sept. 25.
 Gate mechanism. J. B. Rodgers. 1,675,824; July 3.
 Gate mechanism for railway crossings, Automatic. J. W. Shean. 1,682,353; Aug. 28.
 Gate-operating device. C. M. Murphy. 1,655,328; Jan. 3.
 Gate-operating means. W. Peltier. 1,654,700; Jan. 3.
 Gate or barrier, Crossing. W. Norris. 1,671,045; May 22.
 Gates, Adjustable post for. J. M. Thompson. 1,659,712; Feb. 21.
 Gates, Apparatus for controlling hydraulic. W. S. Lee, R. Pfaebler, and D. Nabow. 1,681,487; Aug. 21.
 Gatherer. G. C. Jett. 1,665,034; Apr. 3.
 Gauge: See—
 Adjustable gauge. Micrometer gauge.
 Air gauge. Motor gauge.
 Air-pressure gauge. Nonvibrating gauge.
 Alarm gauge. Oil gauge.
 Angle gauge. Planter depth gauge.
 Axle gauge. Plaster gauge.
 Bolt-hole gauge. Pressure gauge.
 Bracket gauge. Price gauge.
 Brake pressure gauge. Printing-press gauge.
 Brick-course gauge. Profile gauge.
 Brick-mason's gauge. Raker gauge.
 Butt gauge. Road gauge.
 Caliper gauge. Screw gauge.
 Cutter-clearance gauge. Setting gauge.
 Cylinder and tire gauge. Snap gauge.
 Depth gauge. Snap thread gauge.
 Drill depth gauge. Starting gate.
 Engine-testing gauge. Steam gauge.
 Expansion gauge. Tank gauge.
 Flexible and adjustable gauge. Testing gauge.
 Foot gauge. Thickness gauge.
 Garment gauge. Thread gauge.
 Gasoline gauge. Tire gauge.
 Height gauge. Tire-pressure gauge.
 Indicator gauge. Tool gauge.
 Internal gauge. Track gauge.
 Length gauge. Valve stem and pressure.
 Lens gauge. Watchmaker's gauge.
 Level gauge. Water gauge.
 Liquid gauge. Weir differential gauge.
 Liquid-level gauge. Wheel-aligning gauge.
 Machine gauge. Wheel gauge.
 Gauge. G. H. Allen. 1,677,424; July 17.
 Gauge. W. Ames. 1,673,480; June 12.
 Gauge. W. G. Bayha. 1,694,833; Dec. 11.
 Gauge. M. E. Berlowitz. 1,660,986; Feb. 28.
 Gauge. T. Z. Carpenter. 1,695,453; Dec. 18.
 Gauge. A. O. Cravin. 1,666,556; Apr. 17.
 Gauge. L. Crosby. 1,671,703; May 29.
 Gauge. G. B. Gallasch. 1,686,318; Oct. 2.
 Gauge. G. I. Gann. 1,671,710; May 29.
 Gauge. E. E. Hans and R. Henry. 1,685,916; Oct. 2.
 Gauge. B. M. W. Hanson. 1,661,722; Mar. 6.
 Gauge. H. E. Kempton. 1,655,905; Jan. 10.
 Gauge. H. R. Paulson. 1,657,547; Jan. 31.
 Gauge. L. M. Persons. 1,660,814; Feb. 28.
 Gauge. C. Weber, jr. 1,685,109; Sept. 25.
 Gauge and breather cap, Combined oil. A. Taub. 1,658,774; Feb. 7.
 Gauge and calipers. Combined rectangular. F. Horak. 1,672,491; June 5.
 Gauge and creaser, Dressmaker's. M. Griffith. 1,667,150; Apr. 24.
 Gauge and recorder. H. F. Wright. 1,679,285; July 31.
 Gauge and thermometer, Combined. O. W. Thompson. 1,683,743; Sept. 11.
 Gauge construction. H. Froehlich. 1,658,840; Feb. 14.
 Gauge fitting, Water-. E. M. Brownell, J. H. Sherer, and M. F. Ward. 1,659,079; Feb. 14.
 Gauge for looms, Fell. J. E. Johnson. 1,689,591; Oct. 30.
 Gauge for mechanics, Combination. F. W. Shakeshaft. 1,682,310; Aug. 28.
 Gauge for motor-vehicle radiators, Water. D. F. Peters. 1,672,903; June 12.
 Gauge for motor vehicles, Fuel. C. E. Vawter. 1,681,314; Aug. 21.
 Gauge for roller mills, Micrometer. J. T. Barber. 1,687,192; Oct. 9.
 Gauge for sheet-cutting machines. G. F. Meyers. 1,657,222; Jan. 24.
 Gauge-glass attachment. G. Ernst. 1,691,545; Nov. 13.
 Gauge or the like, Sash-measuring. F. J. Baker. 1,678,620; July 20.
 Gauge, Piston-pressure. J. F. Key. 1,666,419; Apr. 17.
 Gauge rod. N. E. Salsich. 1,672,094; June 5.
 Gauge wheel for agricultural implements. S. W. Shaw. 1,661,237; Mar. 6.
 Gauge with a precision indicator for testing the flank diameter of external threads. M. Bartholdy. 1,676,721; July 10.
 Gauges, Adjusting mechanism for pressure. J. W. Motherwell. 1,663,313; Mar. 20.
 Gauges, Oversize attachment for adjustable internal. J. Bath. 1,660,469; Feb. 28.
 Gauges, Protecting device for. W. K. Simpson. 1,659,670; Feb. 21.
 Gauging device. R. Krumm. 1,662,066; Mar. 13.
 Gauging instrument. F. W. Stalker. 1,676,673; July 10.
 Gauging machine. A. Hauser and P. Wallin. 1,686,694; Oct. 9.
 Gauging machine. P. Wallin. 1,676,879; July 10.
 Gauging machine and gauging packing rings. R. B. Wasson. 1,662,648; Mar. 13.
 Gauging mechanism. W. C. Stewart. 1,672,139; June 5.
 Gauge fabric, Tubular. J. V. Moore. 1,677,398; July 17.
 Gear. A. H. Candee and E. Wildhaber. 1,683,753; Sept. 11.
 Gear. E. Wildhaber. 1,693,740; Dec. 4.
 Gear. E. Wildhaber. 1,694,028; Dec. 4.
 Gear actuator, Reverse. R. L. Doolittle and W. C. Hunter. 1,687,366; Oct. 9.

- Gear, Adjustable transmission. C. Y. Knight. 1,689,730; Oct. 30.
- Gear, Aeroplane landing. H. C. Mummert and J. F. Meade. 1,668,122; May 1.
- Gear, Aircraft landing. A. A. Anderson. 1,658,700; Feb. 7.
- Gear and clutch mechanism. C. E. F. Ahlm. 1,696,179; Dec. 25.
- Gear and cylinder interlock, Adjustable. A. Wilke. 1,655,748; Jan. 10.
- Gear and making same, Composite. L. T. Frederick. 1,663,477; Mar. 20.
- Gear and making the same, Metallic. G. R. Brophy. 1,662,026; Mar. 6.
- Gear and manufacture, Silent. R. W. Lytle. 1,666,576; Apr. 17.
- Gear and reverse for motor vehicles and other machines, Variable-speed. H. B. Murray. 1,694,554; Dec. 11.
- Gear blanks, Making ring-. W. P. Witherow. 1,670,758; May 22.
- Gear box or universal divisor, Change-speed. G. Veber. 1,662,688; Mar. 13.
- Gear box, Spiral-. E. B. Ayres. 1,661,988; Mar. 6.
- Gear carrier iron and tank-band anchor, Draft-. S. F. Beasley. 1,680,003; Aug. 7.
- Gear case. T. H. Oppenheim and B. Selhorst. 1,673,299; June 12.
- Gear chain. E. I. Braddock. 1,685,019; Sept. 18.
- Gear-chamfering machine and method for chamfering gear teeth. A. Blades and F. D. Van Valkenburg. 1,680,083; Aug. 7.
- Gear, Change-speed. J. F. N. Craig. 1,657,370; Jan. 24.
- Gear, Change-speed transmission. L. C. Fuller. 1,692,406; Nov. 20.
- Gear-changing means, Automatic motor. A. C. Peterson. 1,693,346; Nov. 27.
- Gear, Coaster-wagon steering. A. C. Carlson. 1,665,729; Apr. 10.
- Gear, Combined draft and steering. H. L. Hegland. 1,662,671; Mar. 13.
- Gear, Combined reverse and reduction. E. H. Fahrney. 1,693,645; Dec. 4.
- Gear construction, Planetary reduction-. E. K. Baker. 1,687,077; Oct. 9.
- Gear control for machine tools, Oil-. R. M. Galloway. 1,685,049; Sept. 18.
- Gear cutter. E. Wildhaber. 1,667,299; Apr. 24.
- Gear-cutting machine. H. G. Hartman. 1,686,522; Oct. 9.
- Gear-cutting machine. E. C. Head, E. Finsen, and L. O. Carlsen. 1,656,633; Jan. 17.
- Gear-cutting machine. F. W. Jury. 1,684,099; Sept. 11.
- Gear, Differential. R. L. Dennison. 1,680,134; Aug. 7.
- Gear, Double take-off. G. E. Merryweather. 1,659,437; Feb. 14.
- Gear, Draft. H. Barnard. 1,670,335; May 22.
- Gear, Draft. S. H. Campbell. 1,667,030; Apr. 24.
- Gear, Draft. W. H. Cotton. 1,666,888; Apr. 24.
- Gear, Draft. W. H. Cotton. 1,674,639; June 26.
- Gear, Draft. W. H. Cotton. 1,681,222; Aug. 21.
- Gear, Draft. W. H. Cotton. 1,683,164; Sept. 4.
- Gear, Draft. W. H. Cotton. 1,684,388; Sept. 18.
- Gear, Draft. W. H. Cotton. 1,689,549; Oct. 30.
- Gear, Draft. W. H. Cotton. 1,696,345; Dec. 25.
- Gear, Draft. J. E. Forsyth. 1,679,301; July 31.
- Gear, Draft. E. G. Goodwin. 1,696,115; Dec. 18.
- Gear, Draft. L. A. Hoerr. 1,678,141; July 24.
- Gear, Draft. L. A. Hoerr. 1,679,607; Aug. 7.
- Gear, Draft. B. W. Kadel. 1,688,389; Oct. 23.
- Gear, Draft. H. C. Priebe. 1,680,477; Aug. 14.
- Gear, Draft. S. J. Strid. 1,680,308; Aug. 14.
- Gear, Draft. E. H. Walker. 1,682,817-18; Sept. 4.
- Gear, Electrical switch. F. C. Coates. 1,684,694; Sept. 18.
- Gear, Electrical switch. W. A. Coates and D. R. Davies. 1,678,845; July 31.
- Gear, Electrical switch. W. A. Coates, G. E. Gittins, and D. R. Davies. 1,678,846; July 31.
- Gear, Engine-valve. A. D. Skinner. 1,656,573; Jan. 17.
- Gear, Epicyclic change-speed. E. Postel. 1,660,356; Feb. 28.
- Gear, Flexible. G. M. Eaton. 1,662,493; Mar. 13.
- Gear, Flexible. S. C. Hatfield. 1,691,190; Nov. 13.
- Gear for airplanes, Landing. G. M. Bellanca. 1,691,105; Nov. 13.
- Gear for aeroplanes, Landing. R. S. Blair. 1,668,887; May 8.
- Gear for automobiles, Intermediate. N. Christiansen and E. A. Illerburn. 1,696,837; Dec. 25.
- Gear for electrically-driven locomotives, Driving. J. Buchli. 1,681,171; Aug. 21.
- Gear for flying machines, Landing. E. B. Carns. 1,685,119; Sept. 25.
- Gear for internal-combustion engines of the compression ignition type, Valve. J. C. Groff. 1,657,120; Jan. 24.
- Gear for internal-combustion engines, Valve. C. W. Foertsch. 1,690,222; Nov. 6.
- Gear for locomotives, Power reverse. W. A. Craig. 1,682,888; Sept. 4.
- Gear for motor cars or other power-propelled vehicles, Change-speed. N. E. E. Sørensen. 1,695,214; Dec. 11.
- Gear for motor vehicles, Brake. S. Smith. 1,679,690; Aug. 7.
- Gear for motor vehicles, Running. E. W. Templin. 1,691,742; Nov. 13.
- Gear for motor vehicles, Running. E. W. Templin. 1,695,259; Dec. 11.
- Gear for self-propelled vehicles, Differential. H. Knab. 1,689,285; Oct. 30.
- Gear for starting and controlling electric motors, Switch. J. A. Hirst. 1,680,682; Aug. 14.
- Gear for the bucket chains of dredgers, Driving. H. A. J. de B. Nachenius. 1,687,845; Oct. 16.
- Gear for vehicles, Running. J. A. Eden, jr. 1,658,432; Feb. 7.
- Gear for wagons, Convertible running. C. A. Hagadone. 1,677,476; July 17.
- Gear, Friction. E. Knoller. 1,655,503; Jan. 10.
- Gear, Friction draft. S. Hansson. 1,686,612; Oct. 9.
- Gear, Friction draft. R. C. Jefferson. 1,668,810; May 8.
- Gear, Friction draft. C. W. Sherman and J. M. Hall. 1,682,806; Sept. 4.
- Gear, Friction draft. E. H. Walker. 1,658,871; Feb. 14.
- Gear, Friction wheel. W. Lindner. 1,662,681; Mar. 13.
- Gear-generating machine. E. W. Miller. 1,680,562; Aug. 14.
- Gear-generating machine, Internal-. E. Buckingham. 1,660,915; Feb. 28.
- Gear-generating machines, Chuck for. E. Finsen and S. H. Earl. 1,656,625; Jan. 17.
- Gear-grinding machine and the like, Controlling movements of work-carrying spindle with respect to a cutting element in. O. G. Simmons. 1,662,589; Mar. 13.
- Gear-hobbing machine. B. H. Blood. 1,660,910; Feb. 28.
- Gear, Hydraulic change-speed. S. G. Wingquist. 1,677,996; July 24.
- Gear, Hydraulic steering. C. V. Koons. 1,692,666; Nov. 20.
- Gear, Hydraulic power-transmission. A. Huwiler. 1,688,968; Oct. 23.
- Gear, Hydraulic valve. W. Noble and L. V. Pittman. 1,690,032; Oct. 30.
- Gear, Landing. E. H. Van Valkenberg. 1,677,418; July 17.
- Gear-lapping machine. D. F. Domizi. 1,668,840; May 8.
- Gear-lapping machine. C. H. Logue. 1,684,872; Sept. 18.
- Gear-locking or clutch mechanism for gear-change sets. C. B. Funk. 1,689,429; Oct. 30.
- Gear, Locomotive power reverse. E. de H. Caldwell. 1,668,304; May 1.
- Gear, Locomotive valve. J. J. Jones. 1,676,265; July 10.
- Gear, Marine. T. L. Fawick. 1,655,679; Jan. 10.
- Gear mechanism, Compensating-. C. W. Harrold. 1,681,612; Aug. 21.
- Gear mechanism, Differential. L. E. Zerbe and M. T. Archer. 1,667,181; Apr. 24.
- Gear mechanism, Planetary-. H. L. Burkhardt. Re17,039; July 17.
- Gear mechanism, Power reverse-. M. H. Roberts. 1,675,576; July 3.
- Gear mechanism, Reduction-. W. E. Trumpler. 1,671,497; May 29.
- Gear mechanism, Reverse-. H. D. Hinds. 1,659,820; Feb. 21.
- Gear, Metal-clad electric switch. H. W. Clothier and A. Allen. 1,659,515; Feb. 14.
- Gear, Motor power reverse. R. S. Roth. 1,670,824; May 22.
- Gear mounting, Brake-. W. Wright. 1,687,534; Oct. 16.
- Gear, Multiple-engine drive. E. Brown and C. P. Breese. 1,664,399; Apr. 3.
- Gear, Nonmetallic. C. W. Mansur. 1,655,278; Jan. 3.
- Gear of electric switches, Operating. A. Allan and H. W. Clothier. 1,665,291; Apr. 10.
- Gear of locomotive cranes, Controlling the driving. H. G. Steinbrenner. 1,677,374; July 17.
- Gear of motor vehicles, Controlling the transmission. K. Maybach. 1,674,557; June 19.
- Gear operating means. R. J. Clark. 1,690,924; Nov. 6.
- Gear, Planet. M. M. Bock. 1,681,694; Aug. 21.
- Gear power. J. Reid. 1,686,925; Oct. 9.
- Gear, Power reverse. F. W. Martin. 1,689,677; Oct. 30.
- Gear, Power reverse. M. H. Roberts. 1,694,143; Dec. 4.
- Gear-ratio-changing mechanism. F. W. Mayer. 1,664,303; Mar. 27.
- Gear, Reduction. W. E. Trumpler. 1,671,496; May 29.
- Gear, Retractable jaw. G. W. Wait, jr. 1,692,010; Nov. 20.
- Gear, Reversing. L. B. B. 1,672,054; June 5.
- Gear, Running. D. L. Van Leuven. 1,655,481; Jan. 10.
- Gear shift. A. M. Craig. 1,665,909; Apr. 10.
- Gear shift. J. S. Miller. 1,696,049; Dec. 18.
- Gear shift, Automatic. A. H. Jessen. 1,693,080; Nov. 27.
- Gear shift for drill heads, Accessible twin-lever. D. C. Klausmeyer. 1,696,403; Dec. 25.
- Gear-shift indicator. T. Tokuhisa. 1,690,956; Nov. 6.
- Gear-shift mechanism. B. F. Schmidt. 1,688,750; Oct. 23.
- Gear-shift mechanism, Dash-mounted. B. F. Schmidt. 1,673,952; June 19.
- Gear-shift mechanism, Hand-operated. B. F. Schmidt. 1,690,180; Nov. 6.
- Gear shift, Variable-speed. I. B. Horowitz. 1,654,879; Jan. 3.
- Gear-shifting apparatus. F. E. Arp. 1,660,289; Feb. 21.
- Gear-shifting device, Automatic. J. Kirkeby. 1,686,914; Oct. 9.
- Gear-shifting-lever lock. J. L. Hosford. 1,662,643; Mar. 13.
- Gear-shifting mechanism. K. Cottrill. 1,657,345; Jan. 24.

- Gear-shifting mechanism. S. Hulmes. 1,661,612; Mar. 6.
- Gear-shifting mechanism. E. G. Kesling. 1,690,639; Nov. 6.
- Gear-shifting mechanism. G. T. Randol. 1,687,590; Oct. 16.
- Gear-shifting mechanism. G. T. Randol and R. S. Plexico. 1,687,591; Oct. 16.
- Gear-shifting mechanism. W. C. Stevens and H. J. Taylor. 1,682,024; Aug. 28.
- Gear-shifting mechanism, Automatic. P. J. Messer. 1,668,215; May 1.
- Gear-shifting mechanism for sliding gear transmissions, Automatic. E. A. Thompson. Re17,090; Sept. 25.
- Gear-shifting mechanism, Selective. R. N. Dulaney. 1,679,353; Aug. 7.
- Gear, Sleeve-valve. J. S. Booth. 1,680,445; Aug. 14.
- Gear, Speedometer drive. J. Zubaty. 1,668,750; May 8.
- Gear, Speed-reduction. E. Hall. 1,658,767; Feb. 7.
- Gear, Spring-controlled. G. Fornaca. 1,696,797; Dec. 25.
- Gear, Steam-engine-valve reversing. J. Kindervater. 1,684,228; Sept. 11.
- Gear, Steering. W. C. Brinton. 1,691,020; Nov. 6.
- Gear, Steering. M. Wagner. 1,677,419; July 17.
- Gear structure. R. C. Allen. 1,678,582; July 24.
- Gear teeth. S. A. S. Hammar. 1,690,931; Nov. 6.
- Gear teeth, Apparatus for testing bevel. C. H. Logue. 1,663,085; Mar. 20.
- Gear teeth, Generating or grinding. C. H. Schurr. 1,680,258; Aug. 7.
- Gear teeth, Machine for cutting. H. D. Williams. 1,656,506; Jan. 17.
- Gear train for water meters. R. A. Anderson. 1,691,039; Nov. 13.
- Gear transmission. L. K. Braren. 1,694,031; Dec. 4.
- Gear, Transmission. J. J. Davidson. 1,670,403; May 22.
- Gear, Transmission. S. W. Holdener. 1,665,701; Apr. 10.
- Gear, Transmission. R. Schoell. 1,696,331; Dec. 25.
- Gear, Transmission. S. O. White. 1,689,180; Oct. 23.
- Gear transmission for automobiles. B. F. Hayden. 1,660,162; Feb. 21.
- Gear transmission for calculating machines, Selective. E. C. Walter. 1,689,983; Oct. 30.
- Gear transmission, Selective-clutch constant-mesh. E. J. Kearby. 1,660,997; Feb. 28.
- Gear transmissions, Automatic preselector and shifting device for sliding. J. Blackburn. 1,661,992; Mar. 6.
- Gear unit, Detachable. D. C. Klausmeyer. 1,664,889; Apr. 3.
- Gear, Valve. G. Fornaca. 1,695,011; Dec. 11.
- Gear, Valve. A. E. Hall. 1,687,557; Oct. 16.
- Gear, Valve. S. J. Perry. 1,657,032; Jan. 24.
- Gear, Valve. W. F. Smith. 1,679,794; Aug. 7.
- Gear, Variable-pitch. C. C. Bradbury. 1,675,596; July 3.
- Gear, Variable-speed. W. S. F. Brown. 1,673,863; June 19.
- Gear, Variable-speed. J. A. Furness. 1,691,651; Nov. 13.
- Gear, Variable-speed. C. R. Garrard and E. G. Fauser. 1,691,389; Nov. 13.
- Gear, Variable-speed. W. J. Gee. 1,676,859; July 10.
- Gear, Variable-speed. R. C. Worthington and H. Milner. 1,680,714; Aug. 14.
- Gear, Washing-machine. B. A. Stocking. 1,663,028; Mar. 20.
- Gear wheel, Adjustable. C. F. Moon. 1,687,987; Oct. 16.
- Gear wheel, Flexible. C. R. Soderberg. 1,655,901; Jan. 10.
- Gear-wheel teeth, Grinding of. H. N. Asbridge. 1,666,955; Apr. 24.
- Gear wheels, the pitch of screws, and similar articles, Apparatus for checking the profiles of. G. Massiot. 1,687,946; Oct. 16.
- Gear, Wind-controlled steering. H. A. Lee. 1,681,415; Aug. 21.
- Gear worms, Forging. A. L. Flecher. 1,680,327; Aug. 14.
- Gearing. D. F. Asbury. 1,676,421; July 10.
- Gearing. T. L. Fawick. 1,680,672; Aug. 14.
- Gearing. M. Treschow. 1,696,740; Dec. 25.
- Gearing. E. Wildhaber. 1,694,027; Dec. 4.
- Gearing, Chain-drive. W. J. Belcher. 1,678,457; July 24.
- Gearing, Change-speed. J. H. Hand. 1,674,468; June 19.
- Gearing, Change-speed. M. B. Jackson. 1,661,613; Mar. 6.
- Gearing, Change-speed. P. O. Rowlands. 1,676,802; July 10.
- Gearing adjustment, Elevator. F. L. Ohler. 1,694,663; Dec. 11.
- Gearing construction, Two-speed axle. W. S. Austin. 1,689,377; Oct. 30.
- Gearing, Differential. R. L. Dennison. 1,690,189; Nov. 6.
- Gearing, Differential. R. L. Denison. 1,691,230; Nov. 13.
- Gearing for dishwashing machines, Reversing. H. A. Daum. 1,657,821; Jan. 31.
- Gearing for instrument dials. M. E. Vansickle. 1,667,575; Apr. 24.
- Gearing for lathes. A. L. H. and V. Verwys. 1,660,365; Feb. 28.
- Gearing for motor vehicles, Differential. C. R. Short and N. Hughes. 1,682,871; Sept. 4.
- Gearing for sewing machines and the like, Intermediate. K. Maier and F. Lutz. 1,655,152; Jan. 3.
- Gearing for transmitting motion from driving members to a plurality of driven members. V. Sykora. 1,654,947; Jan. 3.
- Gearing for washing machines. G. More and G. Oberg. 1,678,018; July 24.
- Gearing for window regulators, Manufacture of. S. W. Nicholson. 1,670,475; May 22.
- Gearing, Friction or adhesion. E. H. J. C. Gillett. 1,665,165; Apr. 3.
- Gearing, Hydraulic change-speed. S. Möhl. 1,682,303; Aug. 28.
- Gearing, Hydraulic clutch for differential. C. H. Norrlin. 1,659,833; Feb. 21.
- Gearing mechanism. J. P. Madden. 1,686,020; Oct. 2.
- Gearing mechanism for stray stackers, Reversing. S. G. Mitchinson. 1,690,746; Nov. 6.
- Gearing mechanism for washing machines. O. B. Woodrow. 1,658,274; Feb. 7.
- Gearing, Oil-well. P. J. Shouvin. 1,670,168; May 15.
- Gearing, Power-transmission. R. W. Rogers. 1,662,130; Mar. 13.
- Gearing, Precision worm. S. I. Cone. 1,683,163; Sept. 4.
- Gearing, Producing curved tooth. E. Wildhaber. 1,693,686; Dec. 4.
- Gearing, Reduction. W. S. Gatten. 1,674,200; June 19.
- Gearing, Reduction. P. J. Kilcullen. 1,659,571; Feb. 21.
- Gearing, Reversing. H. A. Tuttle. 1,668,991; May 8.
- Gearing, Screw and nut. W. and G. Jennings. 1,675,494; July 3.
- Gearing, Speed-change transmission. E. W. Jackson. 1,693,079; Nov. 27.
- Gearing, Speed-changing. W. T. James. 1,655,316; Jan. 3.
- Gearing, Stageless change-speed. E. Stückemann. 1,676,367; July 10.
- Gearing, Transmission. C. E. F. Ahlm. 1,674,082; June 19.
- Gearing, Transmission. C. E. F. Ahlm and G. M. Soule. 1,674,083; June 19.
- Gearing, Transmission. C. E. F. Ahlm. 1,688,844; Oct. 23.
- Gearing, Transmission. C. E. F. Ahlm. 1,696,178; Dec. 25.
- Gearing, Transmission. G. C. Carhart. 1,675,021; June 26.
- Gearing, Transmission. G. C. Carhart. 1,679,812; Aug. 7.
- Gearing, Transmission. R. C. Parker. 1,679,264; July 31.
- Gearing, Transmission. G. M. Soule. 1,674,072; June 19.
- Gearing, Transmission. S. Tompkins. 1,675,392; July 3.
- Gearing, Variable-speed. W. S. F. Brown and J. Maina. 1,672,868; June 12.
- Gearing, Variable-speed. W. S. F. Brown and J. Maina. 1,694,808; Dec. 11.
- Gearing, Variable-speed. A. V. Hartmann. 1,678,289; July 24.
- Gearing, Variable-speed. J. P. Johnson. 1,687,567; Oct. 16.
- Gearless differential. T. B. Bourke and G. P. Setter. 1,661,028; Feb. 28.
- Gears and gear-shaped cutters, Machine for grinding the teeth of. O. G. Simmons. 1,659,379; Feb. 14.
- Gears and other objects, Process and apparatus for lapping. A. W. Copland. 1,683,869; Sept. 11.
- Gears and the like, Method of and apparatus for testing the teeth of. O. G. Simmons. 1,670,906; May 22.
- Gears, Apparatus for feeding the lapping compound to. J. H. Rolf. 1,682,420; Aug. 28.
- Gears, brakes, couplings, and the like, Pressure device for friction. R. Erban. 1,683,715; Sept. 11.
- Gears, Handwheel and locking device for speed. D. R. Francis. 1,680,975; Aug. 14.
- Gears, Chain anchor for brake. A. F. O'Connor. 1,665,188; Apr. 3.
- Gears, Hobbing spur. N. Trbojevic. 1,662,408; Mar. 13.
- Gears, Manufacture of. E. H. Carroll. 1,673,799; June 19.
- Gears, Method and apparatus for making. J. E. Gleason. G. H. Bryan, E. Finsen, and A. P. Slade. 1,660,502; Feb. 28.
- Gears, Method of and apparatus for producing. W. H. Snow. 1,655,076; Jan. 3.
- Gears, Method of and apparatus for wearing in. W. E. Hoke. 1,658,899; Feb. 14.
- Gears, Method of and machine for producing. E. Wildhaber. 1,676,371; July 10.
- Gears, Method of and machine for producing. E. Wildhaber. 1,676,419; July 10.
- Gears, Method and mechanism for producing. H. E. Stonebraker. 1,679,636; Aug. 7.
- Gears, Producing. E. Wildhaber. 1,655,080; Jan. 3.
- Gears, Producing. E. Wildhaber. 1,693,687; Dec. 4.
- Gears, Producing bevel. E. Wildhaber and A. H. Candee. 1,685,442; Sept. 25.
- Gears, Producing hypoid. E. Wildhaber. 1,673,540; June 12.
- Gears, Producing of. E. Wildhaber. 1,685,441; Sept. 25.
- Gears, Truing. A. W. Copland and M. I. Mathewson. 1,683,867; Sept. 11.
- Gel and preparing the same. W. A. Patrick. 1,682,239; Aug. 28.
- Gel and producing the same. E. E. Ayres, jr., and E. H. Haabestad. 1,691,424; Nov. 13.
- Gel, Catalytic and adsorbent. W. A. Patrick. 1,696,644-5; Dec. 25.
- Gels, Making. E. B. Miller and G. C. Connolly. 1,672,768; June 5.
- Gelatin capsules for use as bottle caps, Manufacturing. W. Wilkie and A. D. Webb. 1,657,982; Jan. 31.

- Gem setting. G. A. Guyot. 1,673,770; June 12.
Generating and transmitting system. M. K. Akers. 1,680,273; Aug. 14.
Generating appliance, Gas-. H. L. Schneider. 1,687,148; Oct. 9.
Generating helical gears. N. Trbojevich. 1,669,919; May 15.
Generating bevel gears. E. Wildhaber. 1,686,054; Oct. 2.
Generating motive fluid. H. Maxim. 1,683,085; Sept. 4.
Generating oscillations by two-anode electron tube. Method and arrangement for. A. Meissner. 1,675,367; July 3.
Generating plant, Large automatic. E. R. Witzel. 1,661,208; Mar. 6.
Generating plants, Facilitating starting of automatic. A. F. Brotz. 1,672,112; June 5.
Generating pure sine waves of electromotive force, Apparatus and method for. H. Nyquist. 1,691,986; Nov. 20.
Generating radium water, Apparatus for. A. de Clairmont. 1,661,604; Mar. 6.
Generating system, Electrical. F. F. Starr. 1,685,101; Sept. 25.
Generating system, Electrical. F. F. Starr. 1,695,353; Dec. 18.
Generating tooth forms. E. W. Miller. 1,681,994; Aug. 28.
Generating worm gears and the like, Method of and machine for. N. Trbojevich. 1,689,565; Oct. 30.
Generation and distribution of mercury vapor and sealing means therefor, Apparatus for the. F. Short. 1,683,310; Sept. 4.
Generation and ignition control device. A. H. Van Zee. 1,658,820; Feb. 14.
Generation or other system, Plural-phase. R. A. Heising. 1,690,226; Nov. 6.
Generator: *See*—
Acetylene generator. Infra-red-ray generator.
Acetylene-gas generator. Oscillation generator.
Air generator. Potential generator.
Bevel-gear generator. Power generator.
Commutator generator. Pressure generator.
Current generator. Pulse generator.
Electric generator. Steam and hot-air generator.
Electric-impulse generator. erator.
Gas generator. Steam generator.
Heat generator. Thermoelectric generator.
Generator. G. F. Schmidt. 1,686,348; Oct. 2.
Generator and modulator, Oscillation. H. W. Nichols. 1,687,882; Oct. 16.
Generator and the like, Steam. J. Tait. 1,684,976; Sept. 18.
Generator apparatus. W. Blaskewitz. 1,669,551; May 15.
Generator assembly for motor-cycle engines. C. B. Franklin. 1,693,696; Dec. 4.
Generator for electric-arc welding. M. M. Irvine. 1,666,452; Apr. 17.
Generator for internal-combustion engines, Salvage gas. W. W. Grooms. 1,680,537; Aug. 14.
Generator regulation, Steam-. A. Doble. 1,675,600; July 3.
Generators, Circulating system for steam. S. F. Crabb. 1,682,776; Sept. 4.
Generators, Drive and control of motor. A. Thomas. 1,668,130; May 1.
Generators, Mechanism for the control of electric steam. W. D. Maxim and E. A. Mahannah. 1,678,995; July 31.
Generators, Safety device for elastic fluid. R. Tröger. 1,674,458; June 19.
Generators, Speed-control system for high-frequency. S. M. Kintner. 1,669,524; May 15.
Geologic contours, Method and apparatus for studying. B. McCollum. 1,675,121; June 26.
Geometric instrument. J. F. Duby. 1,679,934; Aug. 7.
Germicidal compound. J. J. Goodwin. 1,696,762; Dec. 25.
Gill-drawing machine. W. Holdsworth. 1,673,407; June 12.
Gin-breast lift. T. Elliott. 1,680,140; Aug. 7.
Gin-breast lifter. E. E. Tate. 1,655,522; Jan. 10.
Girder. S. B. Moore. 1,686,461; Oct. 2.
Girder, Hollow. B. Schnitzer. 1,656,871; Jan. 17.
Girders and beams, Seat for. R. Boldt. 1,667,619; Apr. 24.
Girdle bodice. B. Siegenthaler. 1,673,376; June 12.
Girth, Saddle. W. P. Hulbert. 1,678,514; July 24.
Girth, Saddle. J. Wiesenfeld. 1,678,373; July 24.
Gland and washer, Sectional packing. J. F. Struble. 1,671,909; May 29.
Gland construction, Labyrinth. F. Lösel. 1,689,735; Oct. 30.
Gland nuts, Making. W. R. Wiley. 1,685,262; Sept. 25.
Glare deflector. W. H. Burtis. 1,660,067; Feb. 21.
Glare shield. P. P. Dahl. 1,671,180; May 29.
Glare shield. H. G. Egle. 1,667,658; Apr. 24.
Glare shield. L. G. Finnicum. 1,694,645; Dec. 11.
Glare shield. F. J. Groenestein. 1,676,896; July 10.
Glare shield. F. C. Kueppers. 1,675,936; July 3.
Glare shield. J. M. Lorenz. 1,664,124; Mar. 27.
Glare shield. R. F. Williams. 1,660,981; Feb. 28.
Glare shield. W. Williams. 1,674,538; June 19.
Glare shield, Automobile. H. A. Peterson. 1,669,838; May 15.
Glass: *See*—
Borosilicate glass. Optical glass.
Flowing and drawing continuous sheet glass. Pressing glass.
Hour glass. Sheet glass.
Laminated glass. Splice-laminating glass.
Windshield glass.
Glass. B. Long. 1,669,908; May 15.
Glass and its manufacture. E. E. Fisher. 1,665,693-4; Apr. 10.
Glass and making same, Decorated. A. H. Carpenter and P. C. Huntley. 1,658,015; Jan. 31.
Glass and producing the same, Laminated. W. F. Brown. 1,670,435-6; May 22.
Glass and producing the same, Laminated. W. F. Brown. 1,692,619; Nov. 20.
Glass and producing the same, Laminated. J. W. H. Randall. 1,693,729; Dec. 4.
Glass and producing the same, Sheet of. J. L. Drake. 1,667,146; Apr. 24.
Glass-annealing leer. K. M. Henry and P. D. Burt. 1,657,797; Jan. 31.
Glass apparatus and lip tile therefor. E. T. Ferngren. 1,655,992; Jan. 10.
Glass apparatus, Cooler for sheet-. J. L. Drake. 1,656,103; Jan. 10.
Glass, Apparatus for and method of drawing. A. E. Spinasse. 1,670,910; May 22.
Glass, Apparatus for and method of drawing. A. E. Spinasse. 1,674,530; June 19.
Glass, Apparatus for and method of feeding molten. K. E. Peiler. 1,662,436; Mar. 13.
Glass, Apparatus for drawing. A. E. Spinasse. 1,674,529; June 19.
Glass, Apparatus for drawing sheet. R. F. Cole. 1,678,104; July 24.
Glass, Apparatus for feeding molten. K. E. Peiler. 1,662,437; Mar. 13.
Glass, Apparatus for feeding molten. K. E. Peiler. 1,675,819; July 3.
Glass, Apparatus for forming sheet. L. Boudin. 1,654,784; Jan. 3.
Glass, Apparatus for making composite. W. Owen. 1,657,227; Jan. 24.
Glass, Apparatus for making high-grade plate. M. Bicheroux. 1,673,138; June 12.
Glass, Apparatus for making plate. F. Gelstharpe. 1,616,856; Jan. 17.
Glass, Apparatus for producing mold charges of molten. W. J. Miller. 1,681,127; Aug. 14.
Glass, Apparatus for rolling. K. G. Kutchka. 1,657,214; Jan. 24.
Glass apparatus, Sheet-. J. C. Blair. 1,680,241; Aug. 7.
Glass apparatus, Sheet-. J. L. Drake. 1,656,102; Jan. 10.
Glass articles, Apparatus for and process of finishing blown-. J. Bailey. 1,685,349; Sept. 25.
Glass articles, Apparatus for drawing. A. E. Spinasse. 1,670,909; May 22.
Glass-beveling machine. B. E. Beyer. 1,688,068; Oct. 16.
Glass-blowing machine. M. Jaeger. 1,693,843; Dec. 4.
Glass-blowing machine. C. R. Nixon. 1,694,486; Dec. 11.
Glass-blowing machinery. H. W. Ingle. 1,654,731; Jan. 3.
Glass coaster, Drinking-. P. E. Webber. Des. 75,310; May 22.
Glass containers, Closure cap for. J. J. Williams. 1,668,180; May 1.
Glass containing barium, Manufacture of. F. Rothe and H. Brenek. 1,694,831; Dec. 11.
Glass corner strips, Process and apparatus for manufacturing. W. Uhl. 1,668,576; May 8.
Glass-cutting table. A. E. Evans. 1,676,011; July 3.
Glass-delivery apparatus. M. M. Eppstein. 1,690,777; Nov. 6.
Glass-delivery apparatus. R. La France. 1,669,475; May 15.
Glass, Delivery apparatus for molten. H. W. Ingle. 1,670,770; May 22.
Glass-drawing apparatus, Sheet-. L. D. Blackshere. 1,680,240; Aug. 7.
Glass-drawing apparatus, Sheet-. E. T. Ferngren. 1,670,248; May 15.
Glass, Drawing sheet. H. N. Diederichs. 1,667,145; Apr. 24.
Glass, Drawing sheet. E. T. Ferngren. 1,670,246; May 15.
Glass, Drawing sheet. L. A. Grolemond. 1,695,547; Dec. 18.
Glass-edge-forming means, Sheet-. F. Fraser. 1,684,440; Sept. 18.
Glass enameling Continuous. A. G. Sherman and A. Meadows. 1,681,440; Aug. 21.
Glass feeder. V. E. Hofmann and L. D. Soubier. 1,605,362; Apr. 10.
Glass feeder. L. D. Soubier. 1,660,429; Feb. 28.
Glass-feeder implement, Composite. P. G. Willetts. 1,696,661; Dec. 25.
Glass, Feeding and shaping molten. E. T. Ferngren. 1,678,247; July 24.
Glass-feeding apparatus. A. N. Cramer. 1,660,415; Feb. 28.
Glass-feeding apparatus. L. D. Soubier. 1,660,430; Feb. 28.
Glass-feeding apparatus, Timing mechanism for. O. M. Tucker and W. A. Reeves. 1,654,710; Jan. 3.

- Glass-feeding machine. T. C. Steimer. 1,663,925; Mar. 27.
- Glass, Feeding molten. G. E. Howard. 1,680,543; Aug. 14.
- Glass, Feeding molten. K. E. Peiler. 1,656,869; Jan. 17.
- Glass, Flowing and drawing continuous sheet. E. T. Ferngren. 1,663,628; Mar. 27.
- Glass-forming apparatus. J. E. McLaughlin. 1,662,861; Mar. 20.
- Glass-forming machine. A. N. Cramer. 1,662,848; Mar. 20.
- Glass-forming machine. A. N. Cramer. 1,693,069; Nov. 27.
- Glass-forming machine. T. H. Sloan. 1,689,975; Oct. 30.
- Glass-forming machine. L. D. Soubier. 1,678,233; July 24.
- Glass furnace. W. K. Brownlee. 1,695,528; Dec. 18.
- Glass furnace. T. B. Hart. 1,663,839; Mar. 27.
- Glass furnace. T. B. Hart. 1,685,053; Sept. 18.
- Glass furnace and leer. J. H. O. Bunge. 1,669,968; May 15.
- Glass-handling apparatus. R. G. Bacheller. 1,667,714; May 1.
- Glass-inspection apparatus. W. O. Lytle. 1,671,772; May 29.
- Glass into molds, Apparatus for feeding. A. E. Liepold. 1,655,190; Jan. 3.
- Glass jar. M. Peruzzi. Des. 75,695; July 3.
- Glass, Making corrugated wire. W. Cox and A. Shuman. 1,676,773; July 10.
- Glass, Manufacturing. A. Kadow. 1,654,817; Jan. 3.
- Glass, Manufacturing. A. Kadow and A. C. Parker. 1,674,366; June 19.
- Glass, Manufacture of. E. T. Brown. 1,692,813; Nov. 27.
- Glass, Manufacture of raw plate. M. Bicheroux. 1,673,347; June 12.
- Glass, Manufacture of strengthened. P. H. Head. 1,665,413; Apr. 10.
- Glass-melting tank. K. G. Kutchka. 1,661,836; Mar. 6.
- Glass, Method and apparatus for feeding molten. G. E. Howard. 1,678,291; July 24.
- Glass, Method and apparatus for feeding molten. K. E. Peiler. 1,657,640; Jan. 31.
- Glass, Method and apparatus for forming continuous sheet. E. T. Ferngren. 1,673,907; June 19.
- Glass, Method and apparatus for manufacturing fire-polished sheet. C. J. Jordan. 1,677,095; July 10.
- Glass, Method and apparatus for melting. P. Kucera. 1,654,591; Jan. 3.
- Glass, Method and apparatus for producing charges of molten. L. D. Soubier. 1,692,589; Nov. 20.
- Glass, Method and apparatus for producing pressed sheet. F. Fraser. 1,670,110; May 15.
- Glass, Method of and apparatus for annealing. F. W. Preston. 1,689,048; Oct. 23.
- Glass, Method of and apparatus for drawing. A. E. Spinasse. 1,692,585; Nov. 20.
- Glass, Method of and apparatus for feeding molten. K. E. Peiler. 1,655,391-2; Jan. 3.
- Glass, Method of and apparatus for forming plate. G. E. Howard. 1,684,030; Sept. 11.
- Glass, Method of and apparatus for forming sheet. J. F. Black. 1,680,588; Aug. 14.
- Glass, Method of and apparatus for melting. E. J. Schneider. 1,669,676; May 15.
- Glass, Method of and apparatus for polishing. G. E. Howard. 1,684,029; Sept. 11.
- Glass mold. F. M. Bigelow. 1,683,755; Sept. 11.
- Glass-mold mechanism. C. E. Schmunk. 1,674,997; June 26.
- Glass on multiroller glass-rolling machines, Manufacture of raw plate. L. Von Reis. 1,665,427; Apr. 10.
- Glass or sheets of glass, Process and apparatus for the continuous manufacture of plate. C. Heuze. 1,675,217; June 26.
- Glass or the like, Smoothing and polishing. P. J. M. Escole. 1,665,776; Apr. 10.
- Glass-plate joint. L. Easterman. 1,664,543; Apr. 3.
- Glass-polishing means, Continuous. A. W. Platt. 1,666,347; Apr. 17.
- Glass press. W. T. Barker, jr. 1,679,848; Aug. 7.
- Glass-pressing machine. K. E. Peiler and E. H. Lorenz. 1,680,474; Aug. 14.
- Glass, Process and apparatus for drawing sheet. G. H. Harvey. 1,676,027; July 3.
- Glass, Process and apparatus for making sheet. W. Cox and A. Shuman. 1,676,772; July 10.
- Glass, Process and apparatus for the manufacture of plate. M. Bicheroux. 1,673,093; June 12.
- Glass, Producing. M. W. Thomas. 1,684,332; Sept. 11.
- Glass-producing apparatus, Sheet-. J. L. Drake. 1,678,060; July 24.
- Glass production, Sheet-. P. F. Gutmann. 1,671,073; May 22.
- Glass-protecting means and method, Sheet-. L. Mambourg. 1,680,227; Aug. 7.
- Glass-retaining strip, Self-locking. F. G. Sternberg. 1,654,619; Jan. 3.
- Glass, Roll for rolling molten. H. R. Schutz. 1,659,053; Feb. 14.
- Glass-rolling apparatus, Plate-. L. Showers. 1,676,056; July 3.
- Glass-run assembly. E. Vaillancourt. 1,657,520; Jan. 31.
- Glass-run-channel construction. J. Ledwinka. 1,680,461; Aug. 14.
- Glass, sand, or flint paper, emery cloth, and abrasives. Manufacture of. C. A. Klein and R. S. Brown. 1,687,453; Oct. 9.
- Glass, sand, or flint paper, emery cloth, or like abrasives. C. A. Klein and R. S. Brown. 1,687,454; Oct. 9.
- Glass-severing method and apparatus therefor. C. A. Brown and C. Nielsen. 1,659,590; Feb. 21.
- Glass sheets, Apparatus for severing. T. and A. C. Oakes. 1,661,846; Mar. 6.
- Glass-snapping machine. C. Brown. 1,660,323; Feb. 28.
- Glass substitutes, Apparatus for producing. A. Zimmerli. 1,677,576; July 17.
- Glass surfaces, Coating for. H. D. Blake and J. E. Stone. 1,672,857; June 5.
- Glass-surfacing apparatus. J. C. Gipe. 1,673,910; June 19.
- Glass-teeming apparatus. H. H. Deuley. 1,677,275; July 17.
- Glass to width, Process and apparatus for maintaining sheet. E. T. Ferngren. 1,684,438; Sept. 18.
- Glass transfer and laying apparatus, Plate-. H. K. Hitchcock. 1,671,766; May 29.
- Glass-tube cutter. F. A. Slayton. 1,691,530; Nov. 13.
- Glass under incremental differential pressures, Method of and apparatus for laminating. L. Bartelstone. 1,667,832; May 1.
- Glass under pressure, Method and apparatus for producing sheets from. J. A. Reece. 1,670,167; May 15.
- Glass vessels, Manufacture of double-walled. F. Siegelheim. 1,674,182; June 19.
- Glassware and article produced thereby, Decorating. E. A. Zeh. 1,656,260; Jan. 17.
- Glassware-annealing leer. P. Q. Williams. 1,695,788; Dec. 18.
- Glassware, Apparatus for annealing. E. O. Hiller. 1,670,769; May 22.
- Glassware, Apparatus for forming. V. O. Cornwell. 1,675,971; July 3.
- Glassware, Apparatus for handling. E. H. Lorenz. 1,657,680; Jan. 31.
- Glassware, Apparatus for shaping. D. P. Weaver. 1,668,993; May 8.
- Glassware, Blowing. G. E. Howard. 1,673,747; June 12.
- Glassware, Blowing. H. W. Ingle. 1,680,544; Aug. 14.
- Glassware, Making decorated. M. L. Burgess. 1,662,295; Mar. 13.
- Glassware, Manufacture of. P. Arbeit. 1,680,357; Aug. 14.
- Glassware, Method and apparatus for forming. O. A. Hanford. 1,660,125; Feb. 21.
- Glassware, Method and apparatus for forming figured. E. Danner. 1,674,856; June 26.
- Glassware, Method and apparatus for use in the manufacture of. L. J. Broche. 1,670,058; May 15.
- Glassware, Process and apparatus for producing cracked. D. L. Middendorf. 1,675,951-2; July 3.
- Glass washer. V. S. Mackres. 1,681,003; Aug. 14.
- Glass-washing apparatus, Drinking-. R. R. Parry. 1,662,205; Mar. 13.
- Glass, Width maintainer for continuous sheet. C. A. Rowley. 1,681,258; Aug. 21.
- Glass work, Leaded. G. Le Roy. 1,678,439; July 24.
- Glass-working apparatus. K. E. Peiler. 1,692,858; Nov. 27.
- Glassworking machine. N. Franzen. 1,668,200; May 1.
- Glass-working machine. G. A. Miller. 1,681,591; Aug. 21.
- Glassworking machine. A. Samuelson. 1,694,867; Dec. 11.
- Glaucinite, Modifying. A. C. Spencer. 1,657,700; Jan. 31.
- Glazier's point setter. G. Hubbard. 1,674,437; June 19.
- Glazing bar. E. L. Nelson. 1,677,650; July 17.
- Glazing construction. J. H. Young and W. H. Miller. 1,666,764; Apr. 17.
- Glazing process, Ceramic-. W. O. Prouty. 1,693,252; Nov. 27.
- Glazing, system. L. Lane. 1,682,291; Aug. 28.
- Glossometer. C. J. Rodman. 1,665,933; Apr. 10.
- Globe and traffic signal, Combined light. R. J. Lackner. Des. 77,010; Nov. 27.
- Globe for lighting fixtures. H. R. Arthur. Des. 76,846; Nov. 13.
- Globe-holding electric fixture. M. Schlepp. Des. 76,555; Oct. 9.
- Globe, Light. S. D. Wilson. Des. 76,444; Sept. 25.
- Globe manipulator. O. E. Phelix. 1,666,468; Apr. 17.
- Globe-mounting ring. W. Underwood. 1,690,563; Nov. 6.
- Globe placing and removing device for bulbs. S. M. Kass. 1,670,363; May 22.
- Globe, Street-light. S. A. Baker. Des. 76,368; Sept. 25.
- Globe structure. F. R. Healey and W. E. Beaty. 1,689,828; Oct. 30.
- Globe, Theftproof lamp. W. O. Bode and L. J. Haming. 1,694,963; Dec. 11.
- Glove. A. L. Cook. 1,658,228; Feb. 7.
- Glove. J. Fitz Gibbon. Des. 75,785; July 17.
- Glove. G. A. Kurz. 1,661,951; Mar. 6.
- Glove. A. Kyle. 1,696,095; Dec. 18.
- Glove. W. E. Meyers. 1,687,350; Oct. 9.
- Glove. I. Steinberger. 1,655,295; Jan. 3.
- Glove. J. Steinert. 1,692,959; Nov. 27.
- Glove. F. X. Sturm. 1,666,023; Apr. 10.
- Glove. C. E. Young. 1,658,113; Feb. 7.
- Glove, Baseball. A. F. Hiltenebeltel. 1,655,015; Jan. 3.
- Glove protector. J. B. Douglass. 1,664,542; Apr. 3.
- Glove, Swimming. J. L. Linder. 1,679,836; Aug. 7.

- Glove, Swimming. F. Natho. 1,669,010; May 8.
 Glove, Swimming. S. E. Neill. 1,679,679; Aug. 7.
 Glove, Swimming. G. Virneburg. 1,664,187; Mar. 27.
 Glove-turning machine. J. J. Dersom. 1,668,897; May 1.
 Glove, X-Ray protective. J. Picker. 1,689,212; Oct. 30.
 Glue and making same. P. Kreismann. 1,667,073; Apr. 24.
 Glue and making same, Vegetable. I. F. Laucks and G. Davidson. 1,689,732; Oct. 30.
 Glue and making same, Vegetable. I. F. Laucks and G. Davidson. 1,691,661; Nov. 13.
 Glue and producing glue from casein. G. Lanzendorfer. 1,659,271; Feb. 14.
 Glue-applying apparatus. L. R. Muskat. 1,692,048; Nov. 20.
 Glue-applying roll. W. A. Saatman. 1,696,329; Dec. 25.
 Glue dissolver and converter. F. C. Zimmerman. 1,667,339; Apr. 24.
 Glue gun. W. I. Hallock. 1,663,077; Mar. 20.
 Gluepot. W. F. Clark. 1,673,395; June 12.
 Glue spreader. H. G. Francis. 1,661,174; Mar. 6.
 Gluing machine. R. C. Jones. 1,693,606; Dec. 4.
 Gluing machine, Book-back. J. J. Pleger. 1,690,945; Nov. 6.
 Glycerin by fermentation, Production of. J. W. Lawrie. 1,678,150; July 24.
 Glycols, Manufacture of. G. O. Curme, jr. 1,695,250; Dec. 11.
 Goblet. E. M. Bottome. Des. 76,372-3; Sept. 25.
 Goblet. E. M. Bottome. Des. 76,852; Nov. 13.
 Goblet. G. Dougherty. Des. 77,227; Dec. 18.
 Goblet. M. L. Fletcher. Des. 76,673; Oct. 23.
 Goblet. V. V. Loomis. Des. 74,685; Mar. 13.
 Goblet. V. V. Loomis. Des. 75,271; May 22.
 Goblet. V. V. Loomis. Des. 75,439; June 5.
 Goblet. A. E. Schibach. Des. 74,322; Jan. 24.
 Goblet, Glass. R. S. Giese. Des. 75,159; May 15.
 Goblet or similar article. C. C. Beam. Des. 75,673-4; July 3.
 Goblet or similar article. C. C. Beam. Des. 75,821; July 24.
 Goblet or similar article. J. D. Dithridge. Des. 76,008; Aug. 14.
 Goblet or similar article. C. R. Keil. Des. 76,873; Nov. 13.
 Goblet or similar article. C. O. Northwood. Des. 74,893; Apr. 10.
 Goblet or similar article. C. H. Phillips, jr. Des. 74,801; Mar. 27.
 Goblet or similar article. E. E. Slick. Des. 77,332; Dec. 25.
 Goblet or similar article. J. H. Venon. Des. 74,401; Feb. 7.
 Goblet or similar article. J. H. Venon. Des. 75,083-4; May 1.
 Goblet or the like. F. Schmidt. Des. 75,526; June 12.
 Gocart and crib, Convertible. S. R. Allen. 1,693,633; Dec. 4.
 Goggle. W. N. Cook. 1,669,229; May 8.
 Goggle nose bridge. W. N. Cook. 1,666,407; Apr. 17.
 Goggles. W. N. Cook. 1,677,747; July 17.
 Goggles. S. H. Hopewell. 1,677,089; July 10.
 Goggles. W. G. King. 1,668,323; May 1.
 Goggles. G. Ratti. 1,688,433; Oct. 23.
 Goggles. H. F. Shindel. 1,670,638; May 22.
 Goggles. E. D. Tillyer. 1,686,113; Oct. 2.
 Goggles. G. L. Tully and S. Lacasse. 1,679,105; July 31.
 Goggles. J. A. Wilson. 1,676,760; July 10.
 Goggles. W. J. Wrighton. 1,688,446; Oct. 23.
 Goggles and the like. G. A. Peterson. 1,677,566; July 17.
 Goggles, Carrying device for. J. T. Fisher. 1,693,505; Nov. 27.
 Goggles, Nose-protecting strap for. H. F. Shindel. 1,695,393; Dec. 18.
 Gold compounds and making same, Organic. A. Gams and P. Scheidegger. 1,678,429; July 24.
 Gold or mineral trap. J. M. Kirkpatrick. 1,674,399; June 19.
 Gold, platinum, and other metals, applicable also for the separation of precious stones from the earth or material containing them, Recovery, separation, or extraction of. G. C. E. F. Hanciau. 1,673,675; June 12.
 Golf accessory. H. W. St. John. 1,696,817; Dec. 25.
 Golf apparatus. E. L. Barnett. 1,657,913; Jan. 31.
 Golf apparatus and target. C. A. Bickford. 1,656,718; Jan. 17.
 Golf apparatus, Ball-returning. W. C. Brumder. 1,689,476; Oct. 30.
 Golf apparatus, Indoor. J. C. Hall. 1,677,442; July 17.
 Golf bag. E. J. Brauer. 1,655,532; Jan. 10.
 Golf bag. H. Earl. 1,681,225; Aug. 21.
 Golf bag. J. K. Hotze. 1,659,269; Feb. 14.
 Golf bag. N. G. Kindwall. 1,658,243; Feb. 7.
 Golf bag. A. F. McLaren. 1,657,170; Jan. 24.
 Golf bag. F. H. Mooney. 1,683,838; Sept. 11.
 Golf bag. R. E. Thompson. 1,672,549; June 5.
 Golf bag. J. S. White. 1,676,592; July 10.
 Golf bag. C. C. Williams. 1,680,354; Aug. 14.
 Golf-bag bottom. H. V. Rau. 1,684,111; Sept. 11.
 Golf-bag rack. E. A. Darby. 1,688,412; Oct. 23.
 Golf-bag support. F. M. Singer. 1,678,922; July 31.
 Golf bags, clubs, and other accessories, Holder for. S. D. Crowe. 1,660,479; Feb. 28.
 Golf ball. L. Gloggia. Des. 75,422; June 5.
 Golf ball. W. Hagen. 1,666,699; Apr. 17.
 Golf ball. L. A. Young. Des. 75,198; May 15.
 Golf ball. L. A. Young. 1,656,408; Jan. 17.
 Golf-ball box. J. G. Anderson and R. H. Waldo. 1,676,975; July 10.
 Golf-ball center. P. S. Shoaff. 1,676,841; July 10.
 Golf-ball ejector. W. M. and F. E. Underwood. 1,673,852; June 19.
 Golf-ball retriever. H. K. Denmark. 1,659,482; Feb. 14.
 Golf-ball-retrieving device. M. J. O'Rourke. 1,674,294; June 19.
 Golf-ball tee. E. F. Cody. 1,655,751; Jan. 10.
 Golf-ball tee. R. R. Lundy. 1,679,579; Aug. 7.
 Golf-ball-teeing device. G. J. Brockhagen. 1,695,006; Dec. 11.
 Golf-ball-winding machine. J. P. Griggs. 1,661,893; Mar. 6.
 Golf-ball-winding machines, Control mechanism for. E. G. Templeton. 1,661,860; Mar. 6.
 Golf balls and articles produced therefrom, Making. A. E. Penfold. 1,693,315; Nov. 27.
 Golf balls, Tee for. H. H. Elder. 1,658,482; Feb. 7.
 Golf blinder. N. S. Walker. 1,683,505; Sept. 4.
 Golf club. H. E. Baack. 1,659,231; Feb. 14.
 Golf club. E. C. Boyce. 1,665,523; Apr. 10.
 Golf club. J. W. Boyce. 1,654,916; Jan. 3.
 Golf club. T. W. Bryant. 1,680,447; Aug. 14.
 Golf club. C. B. Drevitson. 1,678,637; July 31.
 Golf club. W. J. Hadden. 1,665,811; Apr. 10.
 Golf club. W. E. Harness. 1,677,099; July 10.
 Golf club. C. H. Haupt. 1,674,173; June 19.
 Golf club. A. Heeter. 1,660,126; Feb. 21.
 Golf club. A. Heeter. 1,673,361; June 12.
 Golf club. A. Heeter and W. G. Mattern. 1,680,881; Aug. 14.
 Golf club. P. E. Heller. 1,695,806; Dec. 18.
 Golf club. A. B. Horne. 1,684,278; Sept. 11.
 Golf club. F. A. Howard. 1,657,473; Jan. 31.
 Golf club. C. J. Jahant. Re1,076; Sept. 4.
 Golf club. A. C. Link. 1,659,272-4; Feb. 14.
 Golf club. A. C. Link. 1,672,618; June 5.
 Golf club. N. D. Mattison. 1,676,270; July 10.
 Golf club. C. F. Mensing. 1,662,712; Mar. 13.
 Golf club. S. G. Miller. 1,669,482; May 15.
 Golf club. G. E. Neuberth. 1,669,836; May 15.
 Golf club. J. W. Quynn. 1,673,994; June 19.
 Golf club. J. J. Radel. 1,685,826; Oct. 2.
 Golf club. L. V. Rowe. 1,657,972; Jan. 31.
 Golf club. D. Spittal. 1,680,817; Aug. 14.
 Golf club. D. Spittal. 1,683,810; Sept. 11.
 Golf club. D. Swan. 1,678,750; July 31.
 Golf club. P. A. Vaile. 1,683,639; Sept. 11.
 Golf club. G. von der Heyde. 1,686,323; Oct. 2.
 Golf club and the like. B. O. Lantz. 1,658,447; Feb. 7.
 Golf-club carrier. L. K. Thurlow and J. P. Agnew. 1,696,062; Dec. 18.
 Golf-club faces and club produced thereby, Method of and apparatus for shaping. F. A. Waldron. 1,675,437; July 3.
 Golf-club grip. J. A. Novak. 1,665,791; Apr. 10.
 Golf-club grip. S. D. Rosan. 1,690,312; Nov. 6.
 Golf-club-grip guide. C. McCullough. 1,664,257; Mar. 27.
 Golf-club head. A. E. Buhrke. Des. 74,413-15; Feb. 14.
 Golf-club head. A. E. Buhrke. Des. 75,009; May 1.
 Golf-club head. A. E. Buhrke. Des. 75,013; May 1.
 Golf-club head. F. S. Smith. Des. 77,191; Dec. 11.
 Golf-club head, Metallic. A. G. Tobia. 1,658,581; Feb. 7.
 Golf club, Practice. F. L. Shidler. 1,674,136; June 19.
 Golf-club press. W. F. Reach. 1,661,500; Mar. 6.
 Golf-club shafts and the like, Holder for. A. E. Fleming. 1,660,329; Feb. 28.
 Golf clubs, Adjustable head for. S. L. Boles. 1,676,518; July 10.
 Golf clubs and the like, Shaft for. R. H. Cowdery. 1,670,530; May 22.
 Golf clubs, Balanced blade for. W. B. Sime. 1,671,956; May 29.
 Golf clubs, Head for. F. A. Waldron. 1,690,388; Nov. 6.
 Golf clubs, Thumb rest and stroke-control device for. R. F. Stoeffler. 1,694,992; Dec. 11.
 Golf cup. C. J. Paterson. 1,691,935; Nov. 20.
 Golf, Device for improving stance in connection with the game of. E. H. Williams. 1,677,261; July 17.
 Golf driving board. H. H. Meehan. 1,668,597; May 8.
 Golf game. P. Kurtz. 1,656,739; Jan. 17.
 Golf game. H. B. Lasting. 1,675,937; July 3.
 Golf game. A. D. Rockwood. 1,659,959; Feb. 21.
 Golf game. C. A. Rolfe. 1,663,889; Mar. 27.
 Golf game. E. Sas. 1,679,546; Aug. 7.
 Golf-game apparatus. P. Kurtz. 1,656,740; Jan. 17.
 Golf game apparatus. F. Rentz. 1,694,691; Dec. 11.
 Golf game apparatus. C. W. Scheck. 1,676,804; July 10.
 Golf game, Practice. O. C. Currie. 1,690,158; Nov. 6.
 Golf-green cup. E. J. Bloom. 1,675,089; June 26.
 Golf green, Fireside. C. A. Mellicke. Des. 77,020; Nov. 27.
 Golf hole, Indoor. J. A. Cunningham. 1,682,601; Aug. 28.
 Golf indicating mechanism. H. G. Conner. 1,684,576; Sept. 18.
 Golf, Indoor. B. C. Warlick. 1,669,640; May 15.
 Golf instructor and exerciser, Mechanical. J. Hansen. 1,670,409; May 22.

- Golf or putting cup. C. Schaum. 1,660,580; Feb. 28.
 Golf or similar game ball. G. W. Beldam. 1,681,167; Aug. 21.
 Golf pad. B. H. Blake. 1,681,389; Aug. 21.
 Golf practice apparatus. C. H. Kraetsch. 1,684,674; Sept. 18.
 Golf practice apparatus. F. J. Murphy. 1,668,023; May 1.
 Golf practice device. J. Aldrich. 1,670,290; May 22.
 Golf practice device. W. A. F. MacCallum. 1,669,204; May 8.
 Golf practice equipment. F. L. Shidler. 1,674,135; June 19.
 Golf practice game. A. R. Kaufmann. 1,660,339; Feb. 28.
 Golf, Practicing. L. D. and A. T. Shinn. 1,672,395; June 5.
 Golf practicing device. C. H. and E. H. Duffy. 1,683,875; Sept. 11.
 Golf practicing machine. J. C. Backus. 1,681,317; Aug. 21.
 Golf practicing machine. J. C. Backus. 1,682,059; Aug. 28.
 Golf putter. E. R. Holland. 1,666,174; Apr. 17.
 Golf register. B. M. Beskow. 1,678,762; July 31.
 Golf-sand tee molder. L. E. Jahns. 1,657,998; Jan. 31.
 Golf shaft. R. H. Cowdery. 1,670,531; May 22.
 Golf-swing corrector. H. K. B. Davis. 1,655,092; Jan. 3.
 Golf tee. F. O. Anderson. 1,674,814; June 26.
 Golf tee. H. L. Clarke. 1,671,813; May 29.
 Golf tee. G. Clausing. 1,658,226; Feb. 7.
 Golf tee. A. A. Coburn. 1,696,136; Dec. 18.
 Golf tee. E. F. Copp. 1,664,400; Apr. 3.
 Golf tee. C. B. Drevitson. 1,675,335; July 3.
 Golf tee. C. G. Duganne. 1,671,630; May 29.
 Golf tee. N. R. Jacobsen. 1,678,944; July 31.
 Golf tee. M. C. Ralsen. 1,670,123; May 15.
 Golf tee. O. F. Reich. Des. 75,984; Aug. 7.
 Golf tee. I. F. Roberson. 1,663,262; Mar. 20.
 Golf tee. P. G. Towsley. 1,692,191; Nov. 20.
 Golf tee and making same. H. A. Tottel. 1,656,401; Jan. 17.
 Golf tee or the like. H. C. Bratt. 1,681,391; Aug. 21.
 Golf tees, Device for forming. M. J. Keevers. 1,687,024; Oct. 9.
 Golfers, Practice device for. J. V. Matteson, Jr. 1,680,897; Aug. 14.
 Golfing tee. W. Lowell. 1,670,627; May 22.
 Golfing tee. P. F. Van Patten. 1,692,233; Nov. 20.
 Gong stands for clocks, Producing. E. L. Carlson. 1,695,087; Dec. 11.
 Governing mechanism. R. G. Standerwick and D. C. Pfeiffer. 1,655,681; Jan. 10.
 Governing mechanism for elastic-fluid turbines. D. F. Warner. 1,669,108; May 8.
 Governing mechanism for load-hoisting machines. N. Warshaw. 1,687,186; Oct. 9.
 Governor. J. W. Anderson. 1,662,098; Mar. 13.
 Governor. O. N. Bryant. 1,664,849; Apr. 3.
 Governor. I. M. Crafts. 1,674,950; June 26.
 Governor. J. G. Fay. 1,677,961; July 24.
 Governor. R. G. Handy and A. A. Bull. 1,663,631; Mar. 27.
 Governor. A. H. C. Hornbostel. 1,655,647; Jan. 10.
 Governor. H. L. Jennings. 1,655,958; Jan. 10.
 Governor. L. B. Jones and E. H. Wertzner. 1,676,902; July 10.
 Governor. M. Plass. 1,673,843; June 19.
 Governor. J. Rhodes. 1,659,704; Feb. 21.
 Governor. P. X. Rice. 1,669,781; May 15.
 Governor. D. T. Sharples. 1,660,211; Feb. 21.
 Governor. A. E. Wilshusen. 1,671,756; May 29.
 Governor. J. B. Wilson. 1,675,477; July 3.
 Governor and water circulator. M. J. Mohler. 1,661,903; Mar. 6.
 Governor, Automatic. E. B. Nowosielski. 1,683,626; Sept. 11.
 Governor, Automobile speed. T. J. Strickler. 1,679,749; Aug. 7.
 Governor control for internal-combustion engines. C. B. Jahnke. 1,678,908; July 31.
 Governor-controlled mechanism for internal-combustion engines. H. G. Stearns. 1,675,995; July 3.
 Governor, Engine. H. E. Rhoads. 1,686,839; Oct. 9.
 Governor, Fluid-pressure. J. L. Kimball. 1,658,382; Feb. 7.
 Governor for carbide-gas generators. T. J. Sullivan. 1,671,751; May 29.
 Governor for elastic-fluid turbines and the like, Emergency. E. D. Dickinson. 1,662,104; Mar. 13.
 Governor for electric motors. M. Ferree and J. Wissmar. 1,683,536; Sept. 4.
 Governor for explosive engines. A. Hansen and M. J. Torp. 1,678,219; July 24.
 Governor for ignition systems. S. I. Fekete. 1,694,644; Dec. 11.
 Governor for internal-combustion engines. R. Hufford and H. G. Adler. 1,670,357; May 22.
 Governor for internal-combustion engines. R. Hufford and H. G. Adler. 1,670,365; May 22.
 Governor for internal-combustion engines. D. L. A. Larssonneur. 1,683,720; Sept. 11.
 Governor for internal-combustion motors. E. Knauss. 1,670,364; May 22.
 Governor for motors. P. E. Mack. 1,660,079; Feb. 21.
 Governor for motors. K. B. Noble. 1,665,714; Apr. 10.
 Governor for pressure-fluid-operated tools. E. H. Shaff. 1,670,318; May 22.
 Governor for seagoing ships, Marine. G. J. Teigland. 1,695,216; Dec. 11.
 Governor, Gearless automatic gas-control. B. Conley. 1,657,344; Jan. 24.
 Governor, Locomotive. A. A. Hager. 1,694,652; Dec. 11.
 Governor mechanism for prime movers, Emergency. W. P. Dryer. 1,666,490; Apr. 17.
 Governor-operated switch. J. E. Boyce. 1,655,408; Jan. 10.
 Governor, Safety timer. E. C. Newton. 1,674,176; June 19.
 Governor, Speed. J. P. Harrison, Jr. 1,670,035; May 15.
 Governor, Speed. R. G. Richardson. 1,678,914; July 31.
 Governor throttle. M. Dean. 1,668,145; May 1.
 Grab. A. E. Norris. 1,671,444; May 29.
 Grab for use in wells. J. A. Cady. 1,682,481; Aug. 28.
 Grade-crossing protector. P. W. Hodgkinson. 1,660,559; Feb. 28.
 Grade, Indicator. R. F. Katolin. 1,664,365; Mar. 27.
 Grader. W. G. Allen. 1,673,133; June 12.
 Grader. T. H. Harden. 1,674,110; June 19.
 Grader. F. R. Hood. 1,690,977; Nov. 6.
 Grader and cleaner, Pea. C. Schroeder. 1,665,114; Apr. 3.
 Grader and sorter, Nut. R. P. Hardy. 1,696,086; Dec. 18.
 Grader, Fruit. J. J. Nevills. 1,663,639; Mar. 27.
 Grader, Leaning-wheel. F. E. Arndt. 1,655,303; Jan. 3.
 Grader, Leaning-wheel. F. E. Arndt. 1,679,803; Aug. 7.
 Grader, Prune. P. Mothorn. 1,693,042; Nov. 27.
 Grader, Road. A. G. and A. Ronning. 1,660,050; Feb. 21.
 Grader, Road. H. R. and F. D. Wilson. 1,676,938; July 10.
 Grader, String-bean. F. P. Ryder. 1,689,254; Oct. 30.
 Graders, Attachment for wheeled road. W. Styles. 1,675,145; June 26.
 Graders, Feeder for seed. G. C. Leach. 1,659,742; Feb. 21.
 Grading and dirt-transferring apparatus. W. Seaman. 1,658,398; Feb. 7.
 Grading and distributing machine, Automatic top-lift. L. A. Cogswell. 1,693,638; Dec. 4.
 Grading and distributing machine. L. A. Cogswell. 1,694,408; Dec. 11.
 Grading and sorting apparatus. F. F. Pease. 1,679,372; Aug. 7.
 Grading device, Sand. F. M. and C. O. Anderson. 1,679,757; Aug. 7.
 Grading ground coffee, Machine for. A. Peron. 1,661,299; Mar. 6.
 Grading machine. L. A. Cogswell. 1,686,487; Oct. 2.
 Grading machine. J. D. Grabill. 1,661,657; Mar. 6.
 Grading machine. R. A. MacKenzie. 1,663,257; Mar. 20.
 Grading machine, Fruit. E. M. Wayland. 1,672,441; June 5.
 Grading-machine kicker wheels, Adjusting mechanism for fruit. E. M. Wayland. 1,673,172; June 12.
 Grading materials. W. G. Allen. 1,673,174; June 12.
 Grading materials, System of. W. G. Allen. 1,673,175; June 12.
 Grading raisins and the like, Apparatus for. C. E. Byde. 1,660,862; Feb. 28.
 Gradient meter. R. Aernout, Baron van Lynden. 1,677,220; July 17.
 Grain and grass mowing machine. J. H. Fahr. 1,663,879; Mar. 27.
 Grain and seed cleaner. J. H. Penny. 1,691,902; Nov. 13.
 Grain-bin feed. O. F. Aplin. 1,684,338; Sept. 11.
 Grain bins, Sight gauge for. E. Wencel. 1,669,110; May 8.
 Grain cleaner. D. W. Detwiler. 1,666,370; Apr. 17.
 Grain cleaner. P. S. Larson. 1,658,604; Feb. 7.
 Grain cleaning and separating machine. C. C. Gray. 1,660,645; Feb. 28.
 Grain-cleaning machine. W. H. Church. 1,668,629; May 8.
 Grain-cracking machine. S. Snyder. 1,666,797; Apr. 17.
 Grain-cracking machine. D. B. Taggart. 1,666,798; Apr. 17.
 Grain-delivery chute. R. C. Clapp. 1,654,719; Jan. 3.
 Grain drill. J. H. Burtner. 1,691,466; Nov. 13.
 Grain drill. E. E. Towle. 1,659,009; Feb. 14.
 Grain-drying device. G. Gentslinger. 1,660,555; Feb. 28.
 Grain elevator. H. Hoffmann. 1,657,122; Jan. 24.
 Grain-heading machine. E. H. Griffith. 1,660,554; Feb. 28.
 Grain loader. W. C. Benjamin. 1,663,825; Mar. 27.
 Grain reel. T. S. Collier. 1,674,158; June 19.
 Grain separator. C. W. Carter. 1,690,529; Nov. 6.
 Grain separator. J. M. Harris. 1,668,244; May 1.
 Grain separator. J. A. Perkins. 1,675,048-9; June 26.
 Grain separator. A. E. Rothgarn. 1,689,972; Oct. 30.
 Grain separator. E. S. Thompson. 1,667,611; Apr. 24.
 Grain separator. C. T. Thorbus. 1,665,756; Apr. 10.
 Grain shocker. C. R. Raney. 1,659,003-4; Feb. 14.
 Grain shocker. W. Waddell. 1,659,011; Feb. 14.
 Grain-shocking machine. C. Christiansen. 1,656,774; Jan. 17.
 Grain spreader. D. Bailey. 1,668,391; May 1.
 Grain-stowage device. J. C. Dill. 1,684,478; Sept. 18.

- Grain-treating machine. J. Hallgarth and E. E. Chandler. 1,655,144; Jan. 3.
- Grains and making same. Powdered extract of malted. A. W. Bosworth. 1,658,027; Feb. 7.
- Gramophone. H. J. Callum. 1,671,350; May 29.
- Gramophone. H. J. Küchenmeister. 1,690,122; Nov. 6.
- Gramophone and like machine. N. Pemberton-Billing. 1,660,471; Feb. 28.
- Gramophone and motion-picture apparatus, Combined. W. H. Baker. 1,696,831; Dec. 25.
- Gramophones and the like. Driving mechanism for. E. L. Rankin. 1,693,495; Nov. 27.
- Granular material. Apparatus for producing articles of compacted. C. J. Dirzweit. 1,673,904; June 19.
- Granulated bodies from molten metal. Method and device for producing finely-. E. Podszus. 1,671,683; May 29.
- Granule and producing the same. W. H. Alton. 1,677,701; July 17.
- Grapefruit shield. J. Fallek. 1,661,036; Feb. 28.
- Graphic-meter chart and drive. E. G. Ralston. 1,667,492; Apr. 24.
- Graphite or similar material. Apparatus for abrading. L. S. Watres. 1,693,736; Dec. 4.
- Graphophone reproducer and radioreceiver, Combined. R. W. Arnett. 1,659,128; Feb. 14.
- Grapple, Duct. J. F. Dotzauer. 1,658,887; Feb. 14.
- Grass catcher. J. F. Reynolds. 1,684,744; Sept. 18.
- Grate. L. J. Binder. 1,677,809; July 17.
- Grate. A. W. Dayton. 1,685,939; Oct. 2.
- Grate. R. B. Kelly. 1,660,843; Feb. 28.
- Grate. W. A. Knowlton. 1,677,788; July 17.
- Grate. H. F. Martineau. 1,657,683; Jan. 31.
- Grate. J. H. Privott and B. C. Williams. 1,666,790; Apr. 17.
- Grate. J. S. Stogdale. 1,679,692; Aug. 7.
- Grate bar. H. K. Eilers. 1,693,710; Dec. 4.
- Grate bar. F. A. Fahrenwald. 1,658,839; Feb. 14.
- Grate bar. C. R. Waid. 1,664,496; Apr. 3.
- Grate-bar support. Adjustable. C. I. Wallis and J. S. Amrock. 1,689,604; Oct. 30.
- Grate, Chain. W. M. Duncan. 1,656,179; Jan. 17.
- Grate, Chain. H. P. Smith. 1,675,061; June 26.
- Grate, Chain. J. Van Brunt. 1,692,598; Nov. 20.
- Grate construction for the ice compartments of refrigerator cars. G. A. Hull. 1,690,412; Nov. 6.
- Grate, Fire. A. S. R. Araujo. 1,692,323; Nov. 20.
- Grate, Fireplace. A. C. Axford. Des. 75,997; Aug. 14.
- Grate, Furnace. H. B. Holt. 1,672,413; June 5.
- Grate, Furnace. J. D. Martin. 1,673,575; June 12.
- Grate, Furnace. E. B. Priebe. 1,676,349; July 10.
- Grate, Ornamental fireplace. R. W. Auer. 1,692,021; Nov. 20.
- Grate, Refractory furnace. R. S. Riley. 1,669,175; May 8.
- Grate, Shaking, rocking and dumping. C. R. Waid. 1,696,463; Dec. 25.
- Grate structure, Furnace-. J. Van Brunt. 1,670,642; May 22.
- Grate, Traveling chain. J. Van Brunt. 1,693,628; Dec. 4.
- Grater. A. D. Hopkins. 1,677,448; July 17.
- Grater and reamer for citrous fruits. O. C. Gussner. 1,682,274; Aug. 28.
- Grater, Rotary. L. H. Mullikin. 1,672,391; June 5.
- Grating. H. Denni. 1,685,846; Apr. 10.
- Grating. L. Fick. 1,669,236; May 8.
- Grating. H. Nagin. 1,674,479; June 19.
- Grating. W. L. Pattison. 1,658,901; Feb. 14.
- Grating. A. H. Sloan. 1,678,362; July 24.
- Grating structure. H. Nagin. 1,693,399; Nov. 27.
- Grave cover. A. W. Thompson. 1,686,048; Oct. 2.
- Grave cover or similar article. L. E. Sarber. 77,033; Nov. 27.
- Grave lining and covering device. G. A. Stark. 1,693,062-3; Nov. 27.
- Grave marker and flower holder, Combination. E. H. Cooley. 1,661,361; Mar. 6.
- Gravel washer. C. F. Smith. 1,693,001; Nov. 27.
- Gravel-washing machine. T. Aulmann. 1,660,589; Feb. 28.
- Gravity and vacuum steam trap, Combined. L. W. Hannon. 1,672,759; June 5.
- Gravity-discharge hoppers, Mechanism for actuating the gates of. W. J. Burnett. 1,667,468; Apr. 24.
- Gravity system for continuously treating boiler water. C. T. McGill. 1,694,331; Dec. 4.
- Grease-charging apparatus. H. J. Engbrecht. 1,658,483; Feb. 7.
- Grease-charging apparatus. H. J. Engbrecht. 1,694,096; Dec. 4.
- Grease cup. W. C. Brinton, jr. 1,657,196; Jan. 24.
- Grease cup. E. Conrad. 1,676,523; July 10.
- Grease cup. J. F. Culp. 1,686,801; Oct. 9.
- Grease cup. M. Henry. 1,659,630; Feb. 21.
- Grease cup. M. J. Henry. 1,679,216; July 31.
- Grease cup. J. F. MacIndoe. 1,686,241; Oct. 2.
- Grease cup. T. P. Martin. 1,668,510; May 1.
- Grease cup. E. M. Scoville. 1,696,737; Dec. 25.
- Grease cups, Making. R. P. Jacques. 1,695,496; Dec. 18.
- Grease-dispensing device. L. Goodman. 1,659,950; Feb. 21.
- Grease extractor. F. E. Lynn. 1,679,728; Aug. 7.
- Grease gun. H. S. Beal. 1,677,997; July 24.
- Grease gun. D. Handelan. 1,667,782; May 1.
- Grease gun. A. A. Klems. 1,659,204; Feb. 14.
- Grease gun. C. A. Negley. 1,672,421; June 5.
- Grease gun. A. T. Shere. 1,692,423; Nov. 20.
- Grease gun. W. J. Ward. 1,679,511; Aug. 7.
- Grease gun. O. Zerk. 1,692,319; Nov. 20.
- Grease gun. O. Zerk. 1,695,627; Dec. 18.
- Grease gun and greasing bearings, Booster. W. F. Hundermer. 1,696,606; Dec. 25.
- Grease gun and the like, Automatic. O. Zerk. 1,684,080; Sept. 11.
- Grease-gun connection. R. E. McGabey. 1,671,091; May 22.
- Grease-gun connection, High-pressure. L. Edelmann. 1,680,138; Aug. 7.
- Grease-gun-charging device. H. Kreidel. 1,681,772; Aug. 21.
- Grease-gun-filling device. R. Monnot. 1,689,360; Oct. 30.
- Grease-gun filler. C. Spaeth. 1,692,058; Nov. 20.
- Grease gun, Hand-operated. H. Kreidel. 1,657,801; Jan. 31.
- Grease gun, High-pressure. H. A. Zimmerman. 1,661,521; Mar. 6.
- Grease gun, Pneumatic. C. G. Cooper and A. J. Dinkel. 1,657,819; Jan. 31.
- Grease gun, Universal. W. H. Fulton. 1,692,255; Nov. 20.
- Grease guns, Pressure booster for. T. D. McCartie. 1,659,039; Feb. 14.
- Grease-melting furnace. W. C. Loyd. 1,675,813; July 3.
- Grease on rolls, Device for preventing collection of. H. J. Harris. 1,684,581; Sept. 18.
- Grease package. J. Muller. 1,686,166; Oct. 2.
- Grease trap. J. E. Otis. 1,695,781; Dec. 18.
- Greasing machine Pan-. L. S. Harber. 1,686,968; Oct. 9.
- Greenhouse. T. E. King. 1,675,712; July 3.
- Greenhouse. J. K. Macdonald. 1,675,719; July 3.
- Greeting frame, Season-. M. A. McDonell. 1,696,407; Dec. 25.
- Grid. Can. N. M. Small and L. Buehler, jr. 1,689,060; Oct. 23.
- Grid circuit of electron tubes. S. P. Shackleton. 1,671,130; May 29.
- Grid for thermionic tubes. J. J. Jackman. 1,674,331; June 19.
- Grid for vacuum tubes. G. N. Perryman. 1,666,071; Apr. 17.
- Grid leak. E. V. Gluck. 1,685,603; Sept. 25.
- Grid leak. L. C. F. Horle. 1,693,899; Dec. 4.
- Grid leak. T. C. Rathbone. 1,691,251; Nov. 13.
- Grid leak, Controllable. A. Press. 1,662,510; Mar. 13.
- Grid leak, Variable. A. E. J. Gardner. 1,668,012; May 1.
- Grid leak, Variable. L. L. Jones. 1,663,166; Mar. 20.
- Grids, Process and apparatus for forming. J. E. Smith. 1,676,366; July 10.
- Grids, Storage-battery. R. S. Dean and W. E. Hudson. 1,675,643; July 3.
- Griddle, Electric. K. Ehrigott. 1,657,204; Jan. 24.
- Grill. J. A. Wulftange. 1,657,908; Jan. 31.
- Grille. G. W. Ackerman. 1,670,948; May 22.
- Grille. W. T. Hormes. Des. 76,869-70; Nov. 13.
- Grille. P. Sylvester. 1,689,164; Oct. 23.
- Grille for lighting fixtures or similar articles, Italian-effect. H. R. Holderman. Des. 74,975; Apr. 24.
- Grille, Plasterer's. G. F. Voight. 1,666,544; Apr. 17.
- Grille, Rear-body. A. G. Hawkes and F. A. Whitten. 1,669,936; May 15.
- Grinder. M. C. Hutto. 1,689,589; Oct. 30.
- Grinder. R. Prater. 1,673,845; June 19.
- Grinder. O. Sann. 1,664,949; Apr. 3.
- Grinder. H. J. Shelton. 1,679,182; July 31.
- Grinder and polisher. R. A. Reid. 1,655,565; Jan. 10.
- Grinder, Attrition. J. A. Craig. 1,670,714; May 22.
- Grinder, Bevel-gear. S. J. Teller. 1,659,224; Feb. 14.
- Grinder, collector. C. Steinbach. 1,660,532; Feb. 28.
- Grinder, Crank-shaft. W. G. Faglie. 1,660,607; Feb. 28.
- Grinder, Cutter. S. Einstein, L. F. Nenninger, and H. R. Isler. 1,679,413; Aug. 7.
- Grinder, Cutter. J. H. Kershner. 1,666,014; Apr. 10.
- Grinder, Cutter. J. P. Singiser. 1,656,244; Jan. 17.
- Grinder, Cylinder. G. A. Gould. 1,657,713; Jan. 31.
- Grinder, Cylinder. M. C. Hutto. 1,667,157; Apr. 24.
- Grinder, Dental tool. W. G. Hart. 1,659,687; Feb. 21.
- Grinder, Double-wheel. E. J. Paque. 1,683,048; Sept. 4.
- Grinder, Food. W. W. Dryden. 1,694,502; Dec. 11.
- Grinder, Gear. A. L. De Leeuw. 1,666,737; Apr. 17.
- Grinder, Gear. C. Knowles. 1,678,293; July 24.
- Grinder, Gear. H. G. Shafer. 1,655,921; Jan. 10.
- Grinder, Hob. C. G. Olson. 1,667,488; Apr. 24.
- Grinder, Internal. S. Einstein. 1,662,821; Mar. 20.
- Grinder, Lawn-mower. P. A. Anderson. 1,663,823; Mar. 27.
- Grinder, Meat. W. H. Tschantz. 1,675,067; June 26.
- Grinder, Meat and food. E. W. Knowlton. 1,683,679; Sept. 11.
- Grinder, Multiple-cylinder. C. Knowles. 1,656,331; Jan. 17.
- Grinder, Pavement. J. C. Ham. 1,663,759; Mar. 27.
- Grinder, Reamer. F. A. Litter. 1,675,858; July 3.
- Grinder, Rotary. J. H. Littler. 1,664,693; Apr. 3.
- Grinder, Sanitary meat. E. W. Knowlton. 1,675,809; July 3.
- Grinder, Swing-frame. F. E. Stratton. 1,680,958; Aug. 14.
- Grinder, Twist-drill. E. C. Oliver. 1,679,872; Aug. 7.
- Grinder, Valve. R. Bjorklund. 1,689,105; Oct. 23.
- Grinder, Valve. W. E. Duthie. 1,676,483; July 10.
- Grinder, Valve. T. J. Fegley and G. O. Leopold. 1,693,437; Nov. 27.
- Grinder, Valve. D. Mancini. 1,679,983; Aug. 7.
- Grinder, Valve. J. M. North. 1,687,382; Oct. 9.

- Grinder, Valve. G. R. Rich. 1,655,821; Jan. 10.
 Grinder, Wood. X. Winkler. 1,691,101; Nov. 13.
 Grinders, Centralized control for. S. Einstein. 1,672,117; June 5.
 Grinders, Size indicator for surface. C. Knowles. 1,664,823; Apr. 3.
 Grinders, Sizing device for surface. J. A. Doane. 1,656,347; Jan. 17.
 Grinding. C. Booth. 1,659,237; Feb. 14.
 Grinding. S. Einstein. 1,670,717; May 22.
 Grinding. J. V. Hulse. 1,655,099; Jan. 3.
 Grinding and finishing machine. C. T. Rottler. 1,681,505; Mar. 6.
 Grinding and mixing apparatus. M. David. 1,679,241; July 31.
 Grinding and polishing apparatus. P. J. Knaus. 1,678,732; July 31.
 Grinding and polishing glass, Process and apparatus for. F. E. Slocombe. 1,665,117; Apr. 3.
 Grinding and polishing machine, Cutlery. H. Kessel. 1,662,679; Mar. 13.
 Grinding and polishing machine, Endless-band. R. C. Turner. 1,670,943; May 22.
 Grinding and polishing machine, Glass. J. Cleton, jr. 1,674,883; June 26.
 Grinding and polishing machine, Portable. F. S. Gehbart. 1,673,909; June 19.
 Grinding and polishing of glass in the form of strips or plates, Apparatus for the continuous. R. F. Taylor. 1,661,914; Mar. 6.
 Grinding and polishing table. S. C. Cripe and J. C. Gipe. 1,673,903; June 19.
 Grinding and pulverizing mill. B. Scherbaum. 1,691,210; Nov. 13.
 Grinding apparatus. L. R. Heim. 1,683,974; Sept. 11.
 Grinding apparatus. D. T. Hoy. 1,689,922; Oct. 30.
 Grinding apparatus. H. L. Johnston. 1,696,636; Dec. 25.
 Grinding apparatus. J. A. Milliken. 1,677,484; July 17.
 Grinding apparatus. C. H. Norton. 1,676,620; July 10.
 Grinding apparatus, Roll-. L. R. Heim. 1,692,833; Nov. 27.
 Grinding, Centerless. C. O. Smith and C. Booth. 1,659,220; Feb. 14.
 Grinding device. L. R. Heim. 1,691,061; Nov. 13.
 Grinding device, Gear-. G. M. Daton. 1,687,661; Oct. 16.
 Grinding fine tooth hobs, Method of and machine for. O. Sverson. 1,662,078; Mar. 13.
 Grinding fixture, Universal. R. R. Weddell. 1,674,350; June 19.
 Grinding gears and the like, Machine for. E. R. Fellows. 1,667,727; May 1.
 Grinding head. J. L. Drake. 1,692,635; Nov. 29.
 Grinding head. C. H. Field. 1,659,634; Feb. 21.
 Grinding helicoidal surfaces. E. Wildhaber. 1,659,227; Feb. 14.
 Grinding hob and disk cutters, Machine for. O. Severson. 1,662,079; Mar. 13.
 Grinding hob, Gear-. G. M. Eaton. 1,685,989; Oct. 2.
 Grinding internal surfaces, Method and apparatus for. A. M. Drake. 1,662,241; Mar. 13.
 Grinding machine. W. J. Baumberger. 1,662,023; Mar. 6.
 Grinding machine. M. Birkigt. 1,660,291; Feb. 21.
 Grinding machine. F. P. Brown. 1,683,859; Sept. 11.
 Grinding machine. P. Conradson. 1,695,759; Dec. 18.
 Grinding machine. L. J. Cooney. 1,667,719; May 1.
 Grinding machine. L. J. Costa. 1,673,229; June 12.
 Grinding machine. J. De Koning. 1,664,024; Mar. 27.
 Grinding machine. E. E. Drowns. 1,692,769; Nov. 20.
 Grinding machine. W. F. Fraser. 1,656,820; Jan. 17.
 Grinding machine. R. D. Gardner. 1,670,111; May 15.
 Grinding machine. E. B. and R. D. Gardner and J. Nielsen. 1,661,330; Mar. 6.
 Grinding machine. W. J. Guild. 1,682,672; Aug. 28.
 Grinding machine. W. J. Guild and F. H. Grimshaw. 1,684,485; Sept. 18.
 Grinding machine. W. J. Guild and L. C. Kenyon. 1,684,486; Sept. 18.
 Grinding machine. B. M. W. Hanson. 1,676,643; July 10.
 Grinding machine. R. A. Heald and W. J. Guild. 1,686,275; Oct. 2.
 Grinding machine. R. A. Heald, C. J. Highberg, and E. M. Taylor. 1,684,487; Sept. 18.
 Grinding machine. J. N. Heald and W. Law. 1,681,183; Aug. 21.
 Grinding machine. J. N. Heald, A. Turner, and G. C. Kimmel. 1,663,760; Mar. 27.
 Grinding machine. A. L. Kline and C. F. Clark. 1,674,973; June 26.
 Grinding machine. R. C. Mitchell. 1,693,723; Dec. 4.
 Grinding machine. H. Nielsen. 1,656,388; Jan. 17.
 Grinding machine. E. and S. Poleske. 1,677,988; July 24.
 Grinding machine. C. Rabut. 1,674,224; June 19.
 Grinding machine. O. Sann. 1,666,313; Apr. 17.
 Grinding machine. C. Schramm. 1,660,890; Feb. 28.
 Grinding machine. H. K. Spencer. 1,689,176; Oct. 23.
 Grinding machine. A. P. Steiner. 1,662,546; Mar. 13.
 Grinding machine. P. Stoner. 1,663,148; Mar. 20.
 Grinding machine. E. M. Taylor. 1,682,673; Aug. 28.
 Grinding machine. H. G. Weiland. 1,694,340; Dec. 4.
 Grinding machine. M. L. Williams. 1,674,672-3; June 26.
 Grinding machine. H. Yerkey. 1,667,064; Apr. 24.
 Grinding machine. A. Zähringer. 1,678,413; July 24.
 Grinding-machine attachment. V. G. Honstain and A. Smithson. 1,683,354; Sept. 4.
 Grinding machine, Automatic cam-. R. K. Rowell. 1,675,466; July 3.
 Grinding machine, Automatic size-. S. Einstein, W. Peaslee, and F. S. Haas. 1,665,160; Apr. 3.
 Grinding machine, Centerless. H. Vanderbeek. 1,669,728; May 15.
 Grinding machine, Circular-. W. Storck. 1,685,757; Sept. 25.
 Grinding machine, Cylinder-. G. N. Simpson. 1,686,181; Oct. 2.
 Grinding machine, Cylinder-. W. B. Snyder. 1,673,924; June 19.
 Grinding machine, Cylindrical. C. H. Norton. 1,681,902; Aug. 21.
 Grinding machine for mill burrs or other articles. C. A. Ryan. 1,665,177; Apr. 3.
 Grinding machine for safety-razor blades. A. E. Friedrich. 1,663,907; Mar. 27.
 Grinding machine, Gear-. E. W. Bullock and A. P. Slade. 1,679,809; Aug. 7.
 Grinding machine, Gear-tooth-. A. Aepli. 1,668,932; May 8.
 Grinding machine, Glass-. S. P. Mermer. 1,687,985; Oct. 16.
 Grinding machine, Glass-. E. R. Stoddard and L. C. Zilky. 1,663,320; Mar. 20.
 Grinding machine, Glass-. K. A. Weber. 1,680,920; Aug. 14.
 Grinding machine, grinding wheel, and cooling the same. W. B. Leonard, 2d. 1,689,950; Oct. 30.
 Grinding machine having balanced spindle. S. Einstein. 1,684,792; Sept. 18.
 Grinding machine, Internal-. A. M. Drake. 1,662,240; Mar. 13.
 Grinding machine, Lens-. C. L. Bausch. 1,659,560; Feb. 21.
 Grinding machine, Lens-. W. A. Gunning. 1,685,159; Sept. 25.
 Grinding machine, Ore-. C. E. Payne. 1,656,756; Jan. 17.
 Grinding machine, Reamer-. F. O. Albertson. 1,682,459; Aug. 28.
 Grinding machine, Ring-. R. D. Gardner. 1,659,092; Feb. 14.
 Grinding machine, Roll-. A. A. Baker. 1,669,504; May 15.
 Grinding machine, Roll-. A. Turner. 1,668,746; May 8.
 Grinding machine, Table-actuating mechanism for multiple-cylinder. C. Knowles. 1,656,332; Jan. 17.
 Grinding machine, Thread-. J. Bath. 1,660,468; Feb. 28.
 Grinding machine, Valve-. E. P. O'Donnell. 1,667,602; Apr. 24.
 Grinding machine, Valve-. J. P. Sykes and W. T. Thompson. 1,657,943; Jan. 31.
 Grinding machine, Valve-seat. J. A. Yerkes and R. H. Lemmon. 1,684,854; Sept. 18.
 Grinding machine, Vertical. M. L. Williams. 1,659,228; Feb. 14.
 Grinding-machine wheel, Base. H. L. Myers. 1,669,994; May 15.
 Grinding machines and support therefor, Guard casing for. A. M. Drake. 1,689,719; Oct. 30.
 Grinding machines, Attachments for. J. Martone. 1,694,074; Dec. 4.
 Grinding machines, Crowning device for roll. P. Stoner. 1,681,794; Aug. 21.
 Grinding machines, Equalizing drive for. A. P. Steiner. 1,674,457; June 19.
 Grinding machines, Plate for meat-. C. A. Laemmel. 1,695,898; Dec. 18.
 Grinding machines, Sizing device for internal-. A. P. Steiner. 1,662,213; Mar. 13.
 Grinding machines, Tape actuated wedging means for use in gear-. O. G. Simmons. 1,668,824; May 8.
 Grinding machines, Template for. M. Birkigt. 1,656,814; Jan. 17.
 Grinding machines, Wheel-truing device for. A. M. Drake. 1,662,242; Mar. 13.
 Grinding machines, Work-feeding device for. J. Miller, jr. 1,682,925; Sept. 4.
 Grinding machines, Work-feed fixture for. J. Miller, jr. 1,658,092; Feb. 7.
 Grinding machines, Work rest and ejecting device for. W. D. Archea. 1,688,103; Oct. 16.
 Grinding machinery. J. E. Caster. 1,665,084; Apr. 3.
 Grinding mechanism, Tool. R. L. Carter. 1,658,185; Feb. 7.
 Grinding, Method and apparatus for. W. E. Hoke. 1,662,672; Mar. 13.
 Grinding mill. J. Mursch. 1,675,658; July 3.
 Grinding mill. C. E. Needham. 1,690,125; Nov. 6.
 Grinding mill. J. B. C. Scherbaum. 1,656,503; Jan. 17.
 Grinding mill. J. B. Sedberry. 1,659,499; Feb. 14.
 Grinding mill. R. Shephard. 1,659,668; Feb. 21.
 Grinding mill, Centrifugal. W. A. Gibson and J. G. Burke. 1,663,881; Mar. 27.
 Grinding mill, Cane-. D. R. Bowen, J. M. Dardis, and F. Farrel, jr. 1,670,097; May 15.
 Grinding-mill rod. W. B. Floyd. 1,661,567; Mar. 6.
 Grinding mill, Rotary-hammer. W. J. Clement. 1,678,723; July 31.

- Grinding-mill screen. W. F. McMahon. 1,675,417; July 3.
- Grinding of gear-wheel teeth. H. H. Asbridge. 1,689,274; Oct. 30.
- Grinding or comminuting rubber and other materials, Apparatus for. C. E. Gardner. 1,661,721; Mar. 6.
- Grinding pan. W. E. McMurray. 1,661,297; Mar. 6.
- Grinding piston rings. A. W. Morton. 1,691,120; Nov. 13.
- Grinding, refining, and mixing machine. S. Bramley-Moore. 1,675,191; June 26.
- Grinding, refining and mixing machine. S. Bramley-Moore. 1,692,903; Nov. 27.
- Grinding stone, Finishing. E. P. Mars. 1,658,248; Feb. 7.
- Grinding wheel, Segmental. T. Larsson. 1,684,770; Sept. 18.
- Grinding wheel and holder therefor. F. J. Tone. 1,661,861; Mar. 6.
- Grinding wheel, Automatically-adjustable. A. M. Fuller. 1,666,287; Apr. 17.
- Grinding-wheel dresser. J. L. Perkins and H. D. Croft. 1,660,810; Feb. 28.
- Grinding-wheel-dressing devices, Adjustable mounting for. W. J. Guild and F. H. Grimshaw. 1,655,903; Jan. 10.
- Grinding wheel, Segmental. W. T. MacAulay. 1,663,310; Mar. 20.
- Grinding wheels, Mechanism for truing and dressing. F. J. Hohnhorst and F. J. Kroeger. 1,663,703; Mar. 27.
- Grinding wheels, Truing device for. C. J. Irwin. 1,661,041; Feb. 28.
- Grindstone. A. E. Maynard. 1,688,468; Oct. 23.
- Grindstone and making same. J. L. Weller. 1,682,649; Aug. 28.
- Grindstone mounting. A. E. Maynard. 1,672,573; June 5.
- Grip for golf clubs or the like, Hand. I. O. Denman and C. W. Watson. 1,692,201; Nov. 20.
- Grip, Hand. S. Modern and M. Moskowitz. Des. 74,383; Feb. 7.
- Grip wheel. O. A. Ellis. 1,663,689; Mar. 27.
- Gripper mechanism. J. R. Blaine. 1,675,592; July 3.
- Gripper mechanism. A. G. Jacobson. 1,675,559; July 3.
- Gripping and pulling implement. V. B. Dawson and I. B. Penton. 1,682,956; Sept. 4.
- Gripping device for shuttles, Bobbin-. W. T. Prescott. 1,675,132; June 26.
- Gripping pipes, rods, or the like, Apparatus for. M. B. Davis. 1,693,502; Nov. 27.
- Gripping slide for forging machines. W. L. Clouse. 1,683,956; Sept. 11.
- Grizzlies, Drive mechanism for. G. F. Dodge. 1,656,176; Jan. 17.
- Grizzly screen, Rotary. H. C. Williamson and B. M. Stubblefield. 1,679,593; Aug. 7.
- Groat cutter. T. Kipp, jr. 1,672,945; June 12.
- Grocer's helper. P. K. Basmadjian. 1,684,529; Sept. 18.
- Grommets, Apparatus for making. C. W. Leguillon. 1,665,853; Apr. 10.
- Groove cleaner, Car-track-. E. F. Tipton. 1,667,402; Apr. 24.
- Grooving machine, Wood-heel-. N. W. Kinney. 1,654,978; Jan. 3.
- Grooving or facing attachment for lathe, Auxiliary. J. E. Lovely. 1,679,043; July 31.
- Grooving plastic material. J. W. Heltzel. 1,683,292; Sept. 4.
- Ground articles, Art and apparatus for producing. L. R. Heim. 1,692,834; Nov. 27.
- Ground box. R. M. Robinson. 1,693,868; Dec. 4.
- Ground checker. A. Willey. 1,692,879; Nov. 27.
- Ground clamp. B. E. Colburn. 1,675,163; June 26.
- Ground connection. W. P. Marr. 1,673,946; June 19.
- Ground fitting. A. M. Nugent. 1,681,129; Aug. 14.
- Ground working and pulverizing machine, Combined. L. Bird. 1,681,835; Aug. 21.
- Ground-working implement. J. E. Funk. 1,680,866; Aug. 14.
- Grounding and testing arrangement. H. J. H. Huber. 1,655,465; Jan. 10.
- Grounding connection, Electric. W. H. Vibber. 1,679,452; Aug. 7.
- Grounding connection, Safety. R. A. Schmitt. 1,668,253; May 1.
- Grounding mechanism. C. W. Wyman. 1,689,098; Oct. 23.
- Grouping arrangement for communication systems, Frequency. R. A. Heising. 1,676,614; July 10.
- Grouping units, System of. E. T. Hoch. 1,665,499; Apr. 10.
- Grouser wheel, Adjustable. J. Phillips. 1,696,449; Dec. 25.
- Grouting the walls of an oil well, Method of and apparatus for. J. O. Lewis. 1,676,785; July 10.
- Grubbing machine. D. A. Johnson. 1,675,413; July 3.
- Guanidine compound. R. V. Heuser. 1,663,128; Mar. 20.
- Guard and operating means therefor. G. Aiken. 1,655,302; Jan. 3.
- Guard and step, Combined gear. H. V. Ball. 1,687,078; Oct. 9.
- Guard and support for brake beams, Safety. E. G. Busse. 1,662,916; Mar. 20.
- Guard, Automobile fender. O. H. Goetz. 1,677,765; July 17.
- Guard, Burn. G. F. Simpson. 1,669,068; May 8.
- Guard, Cattle. I. J. Kilburn and J. T. Doyle. 1,675,653; July 3.
- Guard, Cattle. F. Lockett. 1,694,128; Dec. 4.
- Guard, Cattle. F. S. Walton and J. McKenzie. 1,678,926; July 31.
- Guard, Crossrail. W. F. Zimmermann. 1,676,311; July 10.
- Guard, Digit. J. M. Smith. 1,684,076; Sept. 11.
- Guard, Dust. W. F. Creamean. 1,683,449; Sept. 4.
- Guard, Flangeway. H. Oettinger. 1,694,557; Dec. 11.
- Guard for athletes' wear, Padded. J. E. Maynard. 1,670,935; May 22.
- Guard for centrifugal machines, Safety. C. H. Garland. 1,667,416; Apr. 24.
- Guard for furniture, Insect. V. D. Humphrey. 1,684,279; Sept. 11.
- Guard for motor vehicles, Side. H. T. Thomas. 1,678,657; July 31.
- Guard for punch presses. E. Ischinger. 1,671,901; May 29.
- Guard for sheep shears, Hand. H. Kocourek. 1,682,759; Sept. 4.
- Guard for stick pins. F. A. Ballou, jr., and E. Morehouse. 1,676,376; July 10.
- Guard for the cutter heads of shapers and the like. W. B. Grannatt. 1,673,977; June 19.
- Guard, Highway. P. L. Keiser. 1,680,548; Aug. 14.
- Guard, Hose-nozzle. C. L. Paulus and R. Kauch. 1,693,459; Nov. 27.
- Guard or mask, Face. I. G. Walmer and J. A. Sawyer. 1,665,386; Apr. 10.
- Guard, Pick-up grain. P. H. Bergen. 1,678,549; July 24.
- Guard-rail connector. H. R. Akers. 1,668,983; May 8.
- Guard rail for highways. J. M. Doddridge. 1,658,118; Feb. 7.
- Guard, Road. P. W. Sommer. 1,675,144; June 26.
- Guard, Safety. J. N. Wolf. 1,670,946; May 22.
- Guard, Wheel. C. A. Scott. 1,691,018; Nov. 6.
- Guest indicator. A. T. Linn. 1,658,245; Feb. 7.
- Guide, Adjustable. J. Mürner. 1,686,246; Oct. 2.
- Guide apparatus for strip-rolling mills. A. F. Clarke. 1,691,703; Nov. 13.
- Guide apparatus for the propeller stream of vessels. J. B. Hirth. 1,689,779; Oct. 30.
- Guide, Centerless work. L. F. Nenninger. 1,663,991; Mar. 27.
- Guide, Conveyer-belt. W. H. Harrison. 1,692,832; Nov. 27.
- Guide, Cord. A. S. Spidel. 1,665,510; Apr. 10.
- Guide, Delivery. C. R. Birdsey. 1,666,161; Apr. 17.
- Guide device, Dimension. E. W. Smith. 1,667,444; Apr. 24.
- Guide device, Seaming-. C. A. Dix. 1,668,055; May 1.
- Guide, Drainpipe. C. H. Bilty and A. E. Tellefsen. 1,679,559; Aug. 7.
- Guide, Drop. W. M. Kelly. 1,665,305; Apr. 10.
- Guide for expanding machines, Sheet-feeding. H. F. Hewetson. 1,675,803; July 3.
- Guide for lumber finishing machines and adjusting means therefor, Hold-over. O. W. Webb. 1,678,371; July 24.
- Guide for meat slicers. J. S. Blaikie. 1,692,810; Nov. 27.
- Guide for molder tables. J. C. Conover. 1,664,969; Apr. 3.
- Guide for oil-well equipment, Sand and fluid. M. M. Muckelrath. 1,667,900; May 1.
- Guide for overseasing machines, Work. M. Köhler. 1,679,363; Aug. 7.
- Guide for slicing bread. V. Sayer. 1,658,743; Feb. 7.
- Guide for sliding doors, Adjustable. N. Kauth. 1,684,706; Sept. 18.
- Guide for submarine drills, Steel. C. C. Hansen. 1,691,715; Nov. 13.
- Guide, Leaf-turning. O. D. Adams. 1,659,067; Feb. 14.
- Guide track for screen construction. H. Dixon. 1,694,314; Dec. 4.
- Guide, Tractor. E. W. Skelton and G. R. Knotwell. 1,674,926; June 26.
- Guide vane. W. M. White. 1,685,260; Sept. 25.
- Guide, Window-glass. E. W. M. Bailey. 1,673,728; June 12.
- Guider. R. D. Tackaberry. 1,678,925; July 31.
- Guiding and feeding device for crank embroidery machines and the like, Combined. A. Koch. 1,677,559; July 17.
- Guiding automobiles into position for service, Apparatus for. A. C. Isbell. 1,696,238; Dec. 25.
- Guiding, gauging, and timing device, Combined. J. F. Bailey. 1,669,457; May 15.
- Guitar. J. Dopyera. Des. 76,382; Sept. 25.
- Guitar or similar article. N. Turturro. Des. 74,766; Mar. 20.
- Guitars and similar instruments, Playing device for. T. Schmidt. 1,687,849; Oct. 16.
- Gulley for pocket-billiard tables. G. L. Thompson. 1,682,201; Aug. 28.
- Gum and package confection case, Combined. L. W. Buchenau and S. N. Blewett. Des. 76,662; Oct. 23.
- Gumlike substances, Method of and apparatus for treating. G. H. Carnahan. 1,671,570; May 29.
- Gum-massaging implement. S. Schiele. 1,660,095-6; Feb. 21.
- Gumming machine. E. Conti. 1,676,005; July 3.
- Gumming machine. M. Feybush and P. W. Fleischer. 1,696,755; Dec. 25.

- Gumming machine. W. G. Zepf. 1,661,353; Mar. 6.
 Gun. G. M. McCann. 1,673,294; June 12.
 Gun. J. J. Murphy. 1,692,995; Nov. 27.
 Gun. G. W. Tippetts. 1,685,730; Sept. 25.
 Gun. C. G. Tolliver. 1,693,414; Nov. 27.
 Gun, Arrow. A. P. Larson. 1,691,769; Nov. 13.
 Gun, Arrow-shooting. J. R. Murphy. 1,683,574; Sept. 4.
 Gun, Automatic. N. E. Methlin. 1,674,370; June 19.
 Gun, Automatic. A. H. Skinner and H. J. Stambaugh. 1,695,508; Dec. 18.
 Gun, Blasting. W. S. Mayer. 1,670,419; May 22.
 Gun, Bolt-action. E. K. Stahl. 1,669,496; May 15.
 Gun, Cap. F. M. Howe. 1,662,971; Mar. 20.
 Gun carriage. C. H. Froelich. 1,695,685; Dec. 18.
 Gun carriage with split rails. L. J. F. Filloux. 1,673,817; June 19.
 Gun carriages, Trail connection for. H. C. Zimmerman. 1,654,908; Jan. 3.
 Gun carried by aircraft, Automatic. H. J. Payn. 1,691,494-5; Nov. 13.
 Gun case. R. E. Adams. 1,674,352; June 19.
 Gun-cleaning rod. C. W. Duke. 1,665,257; Apr. 10.
 Gun for airplanes, Synchronized machine. O. A. Ross. 1,694,488; Dec. 11.
 Gun for drying machines, Machine. F. Gebäuer. 1,671,712; May 29.
 Gun, Machine. A. M. Baldwin. 1,660,590; Feb. 28.
 Gun, Machine. J. Henneveld. 1,669,241; May 8.
 Gun mount. S. G. Green and J. L. Hatcher. 1,669,662; May 15.
 Gun mounting. J. B. Henderson. 1,693,712; Dec. 4.
 Gun mounting and traveling carriage therefor. A. T. Dawson and G. T. Buckham. 1,693,692; Dec. 4.
 Gun, Rivet-cutting. J. M. Crowe. 1,687,326; Oct. 9.
 Gun, Rocket. D. Riabouchinski. 1,661,091; Feb. 28.
 Gunsight. M. Drieghe. 1,676,533; July 10.
 Gun sight. J. B. Henderson. 1,684,825; Sept. 18.
 Gun sight. R. G. Packard, jr. 1,656,496; Jan. 17.
 Gun sight. J. H. Redfield. 1,695,440; Dec. 18.
 Gun sight. F. J. Schrank. 1,683,106; Sept. 4.
 Gun sights, Eyepiece for. C. L. Paulus and R. Kauch. 1,668,975; May 8.
 Gun, Sporting. R. Von Frommer. 1,655,446; Jan. 10.
 Gun, Spray. G. A. Mueller. 1,694,078; Dec. 4.
 Gun, Spray. G. E. Trisler. 1,686,885; Oct. 9.
 Gun support. J. Henneveld. 1,670,621; May 22.
 Gun, Trap. A. Maki. 1,677,394; July 17.
 Guns, Illuminating attachment for spray. G. A. Weber. 1,670,426; May 22.
 Guns, Mount for. T. A. Conlon. 1,663,796; Mar. 27.
 Guns, Mount for. E. C. Goebert. 1,657,009; Jan. 24.
 Guns, Mount for. H. C. Zimmerman. 1,667,182; Apr. 24.
 Guns, Muzzle attachment for. W. R. Bluehdorn. 1,667,186; Apr. 24.
 Guns, Muzzle attachment for automatic. R. R. Studler. 1,671,327; May 29.
 Guns, Ring sight for machine. R. Kauch and C. L. Paulus. 1,686,157; Oct. 2.
 Guns, Training mechanism for. W. Akemann. 1,692,364; Nov. 20.
 Gurdy. I. Chilman. 1,666,552; Apr. 17.
 Gut strings, Making. T. Sarrat. 1,664,323; Mar. 27.
 Gutter hanger. M. Rachlin. 1,678,874; Jul. 31.
 Gutter hanger circle. M. R. Berger. 1,655,530; Jan. 10.
 Gutter joint. J. W. Foerch, jr. 1,682,840; Sept. 4.
 Gutter support for greenhouses, Combination. S. H. Hart. 1,696,158; Dec. 18.
 Gymnasium apparatus. A. C. E. Strom. 1,670,390; May 22.
 Gymnasium apparatus. A. C. E. Strom. 1,676,061; July 3.
 Gymnastic apparatus, Respiration. H. Gougard. 1,684,221; Sept. 11.
 Gymnastic appliance. H. I. Hawxhurst. 1,675,552; July 3.
 Gymnastic appliance. L. Kolos. 1,660,130; Feb. 21.
 Gypsum-block machine. G. H. A. Ruby. 1,692,420; Nov. 20.
 Gypsum products, Hardening and aging calcined. J. H. Colton. 1,659,971; Feb. 21.
 Gypsum products, Light weight. C. E. Roos and M. G. Allison. 1,666,180; Apr. 17.
 Gyral wheel. A. Moore. 1,673,774; June 12.
 Gyroscopic centrifugal. E. Roberts. 1,680,257; Aug. 7.
 Gyroscopic crusher. W. S. Weston. 1,667,337; Apr. 24.
 Gyroscopic apparatus. A. Chessin. 1,677,331; July 17.
 Gyroscopic control of cameras and other optical devices. S. M. Fairchild and E. R. Morton. 1,679,354; Aug. 7.
 H acid, Preparing. I. Gubelmann and J. M. Tinker. 1,670,406; May 22.
 H beam. G. H. Blakeley. Re17,004; June 19.
 H beam. G. H. Blakeley. 1,658,831; Feb. 14.
 Hack-saw frame. C. R. Hanning. 1,657,748; Jan. 31.
 Hackling machine. T. Barbour. 1,661,212-13; Mar. 6.
 Hamacytometer counting chamber. O. Risch. 1,693,961; Dec. 4.
 Hemostatic. F. Martinez and A. Gomez. 1,690,869; Nov. 6.
 Hafnium and zirconium, Separating. A. E. Van Arkle and J. H. de Boer. 1,666,800; Apr. 17.
 Hafnium and zirconium, Separation of. D. Coster and G. von Hevesy. 1,666,440; Apr. 17.
 Hafnium and zirconium, Separation of. J. H. de Boer. 1,666,811; Apr. 17.
 Hair-bobbing comb. A. M. Widdows. 1,671,094; May 22.
 Hairbrush. M. Overholt. 1,669,100; May 8.
 Hair clamp. H. E. Downs. 1,690,106; Nov. 6.
 Hair cleaner. M. H. Seeger. 1,663,778; Mar. 27.
 Hair clipper. N. V. Ghetia and P. Dettorre. 1,656,626; Jan. 17.
 Hair clipper. B. A. Schmitt. 1,654,758; Jan. 3.
 Hair clipper, Electrically-driven. M. Andis. 1,671,265; May 29.
 Hair-clipping device. C. H. Graeff. 1,680,289; Aug. 14.
 Hair curler. P. C. P. Booty. 1,663,291; Mar. 20.
 Hair curler. R. B. Mims. 1,659,118; Feb. 14.
 Hair curler. C. Nessler. 1,663,771; Mar. 27.
 Hair curler. M. Postlewait. 1,657,971; Jan. 31.
 Hair-curling apparatus. W. G. Shelton. 1,680,809; Aug. 14.
 Hair-curling apparatus, Electrical. C. Fayer. 1,667,726; May 1.
 Hair-curling device. A. Cierplikowski. 1,685,773; Oct. 2.
 Hair-curling machine. G. W. Mudd. 1,658,813; Feb. 14.
 Hair-curling machine, Electrically-operated. C. Fayer. 1,683,717; Sept. 11.
 Hair-cutting comb. A. M. Widdows. 1,662,373; Mar. 13.
 Hair-cutting device. P. Kvist. 1,682,289; Aug. 28.
 Hair drier. W. Meyer. 1,659,780; Feb. 21.
 Hair drier. W. Meyer. 1,669,569; May 15.
 Hair drier. W. Meyer. 1,686,024; Oct. 2.
 Hair drier, Electric. H. G. Levy. Des. 77,162; Dec. 11.
 Hair dye. M. A. Mings. Re17,153; Dec. 4.
 Hair felt and making. A. L. Clapp. 1,674,948; June 26.
 Hair in permanent waving, Method and material for treatment of the. E. K. Latz. 1,668,775; May 8.
 Hair net. L. Glemby. 1,671,714; May 29.
 Hair net. P. E. Hitzgrath. 1,684,734; Sept. 18.
 Hair, Permanently straightening kinky. J. W. Embrey. 1,671,857; May 29.
 Hair, Permanently waving. E. Coulson. 1,664,023; Mar. 27.
 Hair piece. J. Oppenheim. 1,686,636; Oct. 9.
 Hairpin. S. O. Claytor. 1,667,310; Apr. 24.
 Hairpin. F. P. Nier. 1,663,854; Mar. 27.
 Hairpin. C. Reimann. 1,669,535; May 15.
 Hairpin. G. W. Smith and C. C. Carroll. 1,672,234; June 5.
 Hairpin for bobbed hair. C. J. Williams. 1,681,271; Aug. 21.
 Hair, Process and apparatus for waving the. H. Steffen. 1,664,000; Mar. 27.
 Hair retainer or comb. L. T. Sawyer. 1,684,362; Sept. 11.
 Hair-retaining means. N. D. Bailey. 1,654,775; Jan. 3.
 Hair-straightening device. O. Mathews. 1,675,762; July 3.
 Hair-treating composition. E. O. Schnell. 1,668,608; May 8.
 Hair-treating implement, Electrical. S. Harper. 1,663,078; Mar. 20.
 Hair-treating method and composition. J. C. Brown. 1,681,170; Aug. 21.
 Hair-undulating apparatus. L. F. C. C. W. Hedberg. 1,678,433; July 24.
 Hair-undulating tong. A. Tingberg. 1,684,646; Sept. 18.
 Hair waver. M. J. and S. M. Kattell. 1,670,306; May 22.
 Hair waver. M. J. McGowan. 1,662,319; Mar. 13.
 Hair waver. H. M. Montealegre. 1,684,774; Sept. 18.
 Hair waver. B. E. Slater. 1,680,698; Aug. 14.
 Hair waver. H. Snodgrass. 1,668,430; May 1.
 Hair waver. M. C. Steichen. 1,693,005; Nov. 27.
 Hair waver. C. M. Szirmay. 1,679,750; Aug. 7.
 Hair waver. A. E. Walsh. 1,696,823; Dec. 25.
 Hair waver, Electric. S. Cocroft. 1,656,142; Jan. 10.
 Hair waving and curling pad, Permanent. V. N. Nicolsia. 1,657,029; Jan. 24.
 Hair-waving apparatus. F. Coune. 1,687,659; Oct. 16.
 Hair-waving apparatus. W. G. Shelton. 1,666,266; Apr. 17.
 Hair waving, Apparatus and method of permanent. R. A. Porta. 1,688,868; May 8.
 Hair-waving apparatus, Permanent. A. T. Webner. 1,671,621; May 29.
 Hair-waving appliance, Permanent. A. G. Borden. 1,681,024; Aug. 14.
 Hair-waving clip. W. G. Shelton. 1,662,285; Mar. 13.
 Hair-waving device. M. L. Eberhart. 1,679,653; Aug. 7.
 Hair-waving device. A. J. Larm. 1,690,937; Nov. 6.
 Hair-waving device. T. McMillan. 1,689,355; Oct. 30.
 Hair-waving device. N. Privitera. 1,662,330; Mar. 13.
 Hair-waving device. M. R. H. Wilson. 1,682,455; Aug. 28.
 Hair-waving devices, Attachment for. E. A. Tessmer. 1,660,056; Feb. 21.
 Hair-waving equipment. W. G. Shelton. 1,684,642; Sept. 18.
 Hair-waving heater support. C. G. Nessler. 1,656,221; Jan. 17.
 Hair-waving implement. W. L. Nancolas. 1,666,217; Apr. 17.
 Hair-waving iron. B. Heisler. 1,673,071; June 12.
 Hair-waving machines, Pedestal dome for permanent. W. E. Lippert. Des. 76,696; Oct. 23.
 Hair-waving machines, Spindle for permanent. S. and H. Bonat. 1,662,411; Mar. 13.
 Hair waving or curling device. S. B. Battey. 1,681,511; Aug. 21.
 Hair-waving outfit. G. Decker. 1,683,531; Sept. 4.

- Hair-waving pad. W. J. Boecklen. 1,656,136; Jan. 10.
 Hair-waving solution. F. J. McKenna. 1,677,246; July 17.
 Hair winder. C. Mack. 1,676,402; July 10.
 Hair winder. W. G. Shelton. 1,662,286; Mar. 13.
 Hair-winding means. C. Nessler. 1,663,772; Mar. 27.
 Hair wrapper. P. Santurello. 1,674,524; June 19.
 Hairspring-adjustment retainer. R. E. Amidon. 1,683,009; Sept. 4.
 Halogen derivative of the benzanthrone series and making same. O. Braunsdorf, E. Holzapfel, and P. Nawiasky. 1,677,545; July 17.
 Halogen-substituted tertiary alcohols. Carbonate of. A. W. Dox and L. Yoder. 1,658,231; Feb. 7.
 Halter. Staff. C. J. Spencer. 1,655,343; Jan. 3.
 Ham boiler. G. Lidsen and W. J. Best. 1,657,167; Jan. 24.
 Ham boiler. O. M. Otte. 1,679,780; Aug. 7.
 Hame tug. J. Dwyer. 1,688,072; Oct. 16.
 Hammer. A. F. Lutch. 1,663,886; Mar. 27.
 Hammer. J. H. Phillips. 1,684,514; Sept. 18.
 Hammer. M. Straus. Des. 74,243; Jan. 10.
 Hammer and wrench. Combined claw. L. Gilks. 1,660,836; Feb. 28.
 Hammer attachment for electric drills and the like. J. C. Misener. 1,665,173; Apr. 3.
 Hammer, Brick. J. Campbell. 1,679,071; July 31.
 Hammer, Claw. C. D. Cummings. 1,664,594; Apr. 3.
 Hammer, Claw. H. E. Small. 1,660,237; Feb. 21.
 Hammer drill. F. H. Blanding. 1,675,326; July 3.
 Hammer drills. Steel retainer for submarine. C. C. Hansen. 1,656,707; Jan. 17.
 Hammer, Drop. R. S. Clark. G. C. Prime and M. C. Talcott. 1,670,493; May 22.
 Hammer, Electric. J. Karcevs. 1,672,221; June 5.
 Hammer, Electric. W. C. O'Brien. 1,683,794; Sept. 11.
 Hammer, Electric. K. Olsan. 1,695,780; Dec. 18.
 Hammer, Electric. M. Santa Ana. 1,694,284; Dec. 4.
 Hammer for disintegrators and the like, Adjustable. W. M. Duncan. 1,686,128; Oct. 2.
 Hammer handle. W. Edwards. 1,683,878; Sept. 11.
 Hammer, Magazine. J. B. Crofoot. 1,688,037; Oct. 16.
 Hammer, Magazine. G. Patton. 1,678,680; July 31.
 Hammer, Magnetic drop. T. Farmer and C. H. Sorensen. 1,659,594; Feb. 21.
 Hammer, Mechanical. R. Goldschmidt. 1,657,387; Jan. 24.
 Hammer, Mechanical. R. Goldschmidt. 1,667,546; Apr. 24.
 Hammer, Mechanical. R. Goldschmidt. 1,672,885; June 12.
 Hammer or riveter. Power-driven. J. C. Barrett. 1,654,571; Jan. 3.
 Hammer, Pneumatic. O. E. Clark. 1,688,449; Oct. 23.
 Hammer, Pneumatic. G. W. Smith. 1,679,689; Aug. 7.
 Hammer, Pneumatic. E. W. Stevens. 1,689,805; Oct. 30.
 Hammer, Pneumatic. R. N. Tucker. 1,665,046; Apr. 3.
 Hammer, Power. W. W. Bieler. 1,685,447; Sept. 25.
 Hammer, Power. F. H. Derby. 1,671,516; May 29.
 Hammer rest, Jack. A. Guiducci. 1,655,265; Jan. 3.
 Hammer rock drill. H. S. Potter. 1,657,317; Jan. 24.
 Hammer, Rotary pivoted. H. M. Plaisted. 1,655,238; Jan. 3.
 Hammer, Rotary pivoted. H. J. Shelton. 1,693,058; Nov. 27.
 Hammer, Shredder-type pulverizing. W. M. Pryor. 1,675,464; July 3.
 Hammer, Soft-face. A. G. Sewell. 1,674,999; June 26.
 Hammer, Tuning. W. Frauenberger. 1,693,292; Nov. 27.
 Hammers, Automatic nail-clamp attachment for. A. Helfrich. 1,662,703; Mar. 13.
 Hammers having integral shanks, Method of and apparatus for manufacturing nail. E. O. Estwing. 1,669,701; May 15.
 Hammock. P. A. Knappe. 1,665,553; Apr. 10.
 Hammock. P. J. Murphy and G. B. Sontag. 1,693,564; Nov. 27.
 Hammock frame. P. A. Knappe. 1,675,221; June 26.
 Hammock seat and frame, Combined. P. A. Knappe. Des. 77,242; Dec. 18.
 Hamper. G. H. Cook. Des. 75,613; June 26.
 Hamper handle. S. H. Hunt. 1,673,076; June 12.
 Hamper, Ventilated rodentproof clothes. M. Halpert. Des. 76,017; Aug. 14.
 Hand, Artificial. D. W. Dorrance. 1,695,952; Dec. 18.
 Hand bag. G. M. Engel-Kron and S. Trey. 1,677,142; July 17.
 Hand bag. J. N. Lowe. 1,684,839; Sept. 18.
 Hand bag. W. H. Mulford and A. S. Belber. 1,658,997; Feb. 14.
 Hand bag. L. A. Samstag. Des. 75,388; May 29.
 Hand bag. O. J. Wallinsky. 1,660,182; Feb. 21.
 Hand bag and similar article of luggage. A. M. Sims. 1,691,872; Nov. 13.
 Hand bag, Folding. C. R. Keiser and T. R. Rike. 1,672,322; June 2.
 Hand-bag frame. A. Sherman. Des. 76,901; Nov. 13.
 Hand-bag frame. B. E. Sommers. Des. 74,846; Apr. 3.
 Hand bag, Lady's. M. Arnold. Des. 74,957; Apr. 24.
 Hand bag, Lady's. E. Hammerling. Des. 75,491; June 12.
 Hand bag, Lady's. G. Palau. Des. 76,951; Nov. 20.
 Hand bag or like portable receptacle and collapsible photographic camera, Combination of. S. Aspis. 1,656,852; Jan. 17.
 Hand brake. H. E. Anderson. 1,657,142; Jan. 24.
 Hand brake. C. E. Dath. 1,680,284; Aug. 14.
 Hand brake. J. F. O'Connor. 1,660,569; Feb. 28.
 Hand brake. J. F. O'Connor. 1,680,336; Aug. 14.
 Hand brake. J. F. O'Connor. 1,683,396; Sept. 4.
 Hand brake. W. H. Sauvage. 1,665,862; Apr. 10.
 Hand brake, Railway-car. S. B. Haseltine. 1,671,095; May 22.
 Hand clamp. T. R. Lawrence. 1,670,583; May 22.
 Hand drill. C. E. Lindberg. 1,667,976; May 1.
 Hand glass, Illuminated. C. T. Brady. Des. 77,288; Dec. 25.
 Handhole closure. J. J. Nelis and S. N. Arnold. 1,659,301; Feb. 14.
 Handhole cover. J. C. Parker. 1,662,279; Mar. 13.
 Hand iron. J. Wilson-Haffenden. 1,677,065; July 10.
 Hand lamp, Electrical. E. R. Barany. 1,695,876; Dec. 18.
 Hand, Mechanical. C. C. Coon. 1,694,058; Dec. 4.
 Handpiece. H. E. S. Chayes and A. P. Jurgensen. 1,691,047; Nov. 13.
 Handsaw. F. Michock. 1,671,201; May 29.
 Handsaw. F. Smutek. 1,659,448; Feb. 14.
 Handsaw. S. Sulik. 1,664,906; Apr. 3.
 Handsaw, Electric. J. D. Wallace and C. H. Landis. 1,672,238; June 5.
 Handsaws, Apparatus for sharpening. L. S. Miller. 1,668,395; Apr. 17.
 Hand shears. A. Kibler. 1,658,088; Feb. 7.
 Hand shears. N. A. Rose. 1,658,498; Feb. 7.
 Hand signal, Vehicle. L. Carter. 1,659,082; Feb. 14.
 Hand-symbol signal. A. G. Molnar. 1,682,233; Aug. 28.
 Handwheel, Locking. A. W. Scott and H. D. Geyer. 1,676,465; July 10.
 Handicapping device. W. B. Burke. 1,686,843; Oct. 9.
 Handkerchief. H. Chonla. 1,672,803; June 5.
 Handkerchief or the like. M. Bridgman. Des. 76,603-5; Oct. 16.
 Handle: See—
 Adjustable handle. Kitchen-utensil handle.
 Agricultural handle. Knife handle.
 Bail handle. Latch-mechanism handle.
 Basket handle. Locking handle.
 Battery-reinforcing handle. Package handle.
 Brake-valve handle. Pail handle.
 Broom handle. Paper-bag handle.
 Controller handle. Releasable vestibule-curtain handle.
 Crank handle. Saw handle.
 Detachable handle. Shovel handle.
 Dipper handle. Ski handle.
 Door handle. Switch handle.
 Hammer handle. Tool handle.
 Hose handle. Trunk handle.
 Implement handle.
 Handle. W. C. Devereaux. 1,659,592; Feb. 21.
 Handle. B. B. Leustig and J. D. Petsche. 1,662,316; Mar. 13.
 Handle. R. H. Morrow. 1,662,715; Mar. 13.
 Handle. F. Wulf. 1,687,190; Oct. 9.
 Handle and forming the same. Operating. B. J. Goldsmith and E. Koeb. 1,660,158; Feb. 21.
 Handle and housing, Combined valve. S. Smith. Des. 76,903-4; Nov. 13.
 Handle-attaching means for door latches. M. C. Lyddane. 1,671,117; May 29.
 Handle attachment for baby walkers. E. M. Mayer. 1,668,650; May 8.
 Handle construction. J. G. Le Pere. 1,687,619; Oct. 16.
 Handle construction. H. Wilson. 1,692,013; Nov. 20.
 Handle construction for electric vacuum cleaners and the like. H. T. Lang. 1,683,197; Sept. 4.
 Handle construction for grave vaults. A. F. Beck. 1,660,703; Feb. 28.
 Handle construction for utensils. E. E. Drumm. 1,673,406; June 12.
 Handle control. D. G. Smellie. 1,676,058; July 3.
 Handle device, Safety. C. C. Farmer. 1,660,483; Feb. 28.
 Handle, Door-window-regulator. J. J. Punke. Des. 75,929; July 31.
 Handle for a knife or similar article. H. Hebbard. Des. 74,834; Apr. 3.
 Handle for a thermostatic valve. S. W. Nicholas. Des. 75,863; July 24.
 Handle for brushes or similar implements. W. D. Allen. Des. 75,320; May 29.
 Handle for cans. W. Tehel. 1,638,165; Oct. 16.
 Handle for coffeepots or the like. F. W. Hechler. 1,667,519; Apr. 24.
 Handle for door latches or the like. G. Graff. Des. 74,827; Apr. 3.
 Handle for faucets or the like. S. S. Judson. Des. 75,428; June 5.
 Handle for frying pans and the like, Folding. H. H. Trent. 1,695,724; Dec. 18.
 Handle for heating devices. L. W. Mitchell and J. T. Wise. 1,672,226; June 5.
 Handle for operating levers. K. Eklund. 1,691,923; Nov. 20.
 Handle for pneumatic tools. F. A. Jimerson. 1,691,720; Nov. 13.
 Handle for pneumatic tools, Cushioning. S. Byers. 1,679,291; July 31.
 Handle for portable incandescent lamps. C. T. McCarthy. 1,675,763; July 3.

- Handle for receptacles, Detachable. W. S. Stockton. 1,680,182; Aug. 7.
- Handle for screw driver or similar article. G. J. Crossman, jr. Des. 76,855; Nov. 13.
- Handle for screw drivers or similar tools. C. Waskom. 1,660,537; Feb. 28.
- Handle for smoking stands or similar articles. J. Zweig. Des. 77,142; Dec. 4.
- Handle for smoking table. W. J. Simon. Des. 76,358; Sept. 18.
- Handle for steering wheels. J. R. C. Smith. 1,685,686; Sept. 25.
- Handle for traveling bags, suitcases, etc. M. B. Shwyader. 1,667,567; Apr. 24.
- Handle for vacuum cleaners, etc. W. L. Lindgren. 1,677,721; July 17.
- Handle for waterless cookers. R. F. Krause. 1,679,429; Aug. 7.
- Handle for wooden baskets. H. W. Kramer. 1,655,147; Jan. 3.
- Handle for wrenches, Extension. H. D. Neff. 1,689,639; Oct. 30.
- Handle grip. E. Fetter. 1,663,694; Mar. 27.
- Handle grip. G. W. Mattern. 1,687,170; Oct. 9.
- Handle guard. C. Diantoneo. 1,659,593; Feb. 21.
- Handle lock. E. N. Jacobi. 1,689,875; Oct. 30.
- Handle mounting for brushes. O. W. Starks. 1,687,953; Oct. 16.
- Handle or similar article. S. Cantor. Des. 74,255-6; Jan. 17.
- Handle protector. H. J. Woloochian. 1,662,994; Mar. 20.
- Handle protector, Utensil-. C. C. Collette. 1,657,068; Jan. 24.
- Handles, Securing means for detachable. N. D. Olsen. 1,686,497; Oct. 2.
- Handle-securing means for shank-forming tools. J. Micali. 1,685,643; Sept. 25.
- Handle strap, Flatiron-. M. F. Fitzgerald. Des. 74,559; Feb. 28.
- Handle structure, Flowerpot. H. P. Hanson. 1,657,749; Jan. 31.
- Handles to baskets, Mechanism for attaching wire. C. H. Allen. 1,694,901; Dec. 11.
- Handling and controlling mechanism, Web-roll. G. E. Parcoast. 1,669,837; May 15.
- Handling and drying pulp tubes or the like, Method of and apparatus for. H. Parker. 1,681,145; Aug. 14.
- Handling apparatus, Automobile. T. Vogt. 1,677,695; July 17.
- Handling apparatus, Freight-. B. F. Fitch. 1,694,913; Dec. 11.
- Handling apparatus, Material. C. G. Pfeiffer. 1,696,780; Dec. 25.
- Handling apparatus, Materials. H. H. C. Grondahl. 1,677,181; July 17.
- Handling bituminous materials, Method and apparatus for. J. G. Grondal. 1,687,760; Oct. 16.
- Handling broke, Method and apparatus for. H. G. Cram. 1,692,112; Nov. 20.
- Handling cane juice. E. E. Hartmann. 1,688,184; Oct. 16.
- Handling device and bearing Can-. J. Ruggiero. 1,678,483; July 24.
- Handling device, Material. J. Daw. 1,678,382; July 24.
- Handling freight. B. F. Fitch. 1,694,912; Dec. 11.
- Handling fresh fruits. E. M. Brogden. 1,671,924; May 29.
- Handling fruit. P. A. Scherer. 1,667,132; Apr. 24.
- Handling loose material, Apparatus for. C. E. Davis. 1,686,127; Oct. 2.
- Handling loose material, Apparatus for. S. W. Farnham. 1,692,823; Nov. 27.
- Handling materials, Apparatus for. D. S. Baker. 1,672,404; June 5.
- Handling loose materials, Apparatus for. C. E. Davis. 1,680,938; Aug. 14.
- Handling loose materials, Apparatus for. T. E. Pray. 1,669,948; May 15.
- Handling material, Method of and apparatus for. H. B. Walker. 1,690,603; Nov. 6.
- Handling mechanism, Sheet-. O. C. F. Meisel. 1,691,888; Nov. 13.
- Handling mechanism, Sheet-. C. A. Meisel. 1,691,891; Nov. 13.
- Handling, mixing, and pouring concrete, Apparatus for. H. P. Paris. 1,657,762; Jan. 31.
- Handling railroad ties, Device for. J. Hackworth and W. Kuehne. 1,695,960; Dec. 18.
- Handling sheet material, Method and apparatus for. L. C. Steele. 1,691,503; Nov. 13.
- Handling strips, Method and apparatus for. L. I. Johnson. 1,684,867; Sept. 18.
- Handling tacky strip material, Method and apparatus for. F. Goodall. 1,677,861; July 17.
- Handling tubes and the like, Apparatus for. H. Parker. 1,655,381; Jan. 3.
- Handling well casings, Apparatus for. C. R. Crossen. 1,696,526; Dec. 25.
- Handles, Mechanism for making battery-box. O. O. Rieser. 1,680,954; Aug. 14.
- Handles of brooms, mops, and the like, Combined cap and suspender for the. F. Hodgson. 1,671,030; May 22.
- Hanger: See—
- Apparel hanger. Gutter hanger.
 - Beam hanger. Hat hanger.
 - Blackboard hanger. Joist hanger.
 - Brake hanger. Lamp hanger.
 - Bucket hanger. Market hanger.
 - Cable hanger. Outlet-box hanger.
 - Car-door hanger. Picture hanger.
 - Casing hanger. Pipe and cable hanger.
 - Clothes hanger. Pipe hanger.
 - Coat and trousers hanger. Radiator hanger.
 - Combination hanger. Razor hanger.
 - Curtain and drapery hanger. Safety hanger.
 - Display hanger. Scaffold hanger.
 - Door hanger. Transfer filler hanger.
 - Eaves-trough hanger. Trousers hanger.
 - Fan hanger. Wash hanger.
 - Film hanger. Window shade and curtain hanger.
 - Fixture hanger. Wire hanger.
 - Garment hanger.
- Hanger. N. B. Bailey. 1,660,740; Feb. 28.
- Hanger. S. Bower. 1,690,614; Nov. 6.
- Hanger. B. B. Ellerbeck. 1,686,655; Oct. 9.
- Hanger. F. Gardner. 1,696,084; Dec. 18.
- Hanger. P. E. Shee. 1,696,128; Dec. 18.
- Hanger. J. Strand. 1,675,281; June 26.
- Hanger. P. A. Stone. 1,685,728; Sept. 25.
- Hanger and brush, Combined coat. Y. Sumi. Des. 77,134; Dec. 4.
- Hanger and container, Garment. I. N. Cave. 1,662,819; Mar. 20.
- Hanger and gusset for automobile frames, Spring. B. T. Andren. 1,678,930; July 31.
- Hanger and protective device therefor, Garment. C. A. Waldbauer. 1,695,517; Dec. 18.
- Hanger and rest for saxophones, Combination. J. Sedlock and C. M. Steele. 1,674,305; June 19.
- Hanger attachment, Garment-. R. W. Banks. 1,682,106; Aug. 28.
- Hanger for electric wires. C. A. Cawood. 1,695,007; Dec. 11.
- Hanger for leaf turners. G. E. Meyer. 1,660,717; Feb. 28.
- Hanger for overhead tracks, Adjustable. J. S. Badger. 1,655,123; Jan. 3.
- Hanger for trolley wires. E. F. Joyce. 1,689,632; Oct. 30.
- Hanger for trousers and cravats. S. H. Campbell. Des. 76,341; Sept. 18.
- Hanger or singletree. E. B. Williams. 1,655,301; Jan. 3.
- Hanger rod. H. A. Simpson. 1,679,881; Aug. 7.
- Hanger support, Clothes-. M. B. O'Neil. 1,687,383; Oct. 9.
- Hanging device for screens. R. S. Holcomb. 1,695,764; Dec. 18.
- Hardening process, Age-. R. S. Dean and W. E. Hudson. 1,675,644; July 3.
- Hardness-testing device. D. C. Davis. 1,661,718; Mar. 6.
- Hardware, Body. F. L. Miller. 1,660,453; Feb. 28.
- Harmonica. D. Newman. 1,671,309; May 29.
- Harmonica. F. Strauss. Des. 74,704; Mar. 13.
- Harmonica. F. Strauss. Des. 75,194; May 15.
- Harmonica, Accompaniment. S. A. Perry. 1,676,154; July 3.
- Harmonics of the transmitting line frequency, Suppressing. R. Ridenberg. 1,659,706; Feb. 21.
- Harmonics, Suppressing. J. A. O'Neil. 1,687,585; Oct. 16.
- Harness. G. Beunford. 1,693,743; Dec. 4.
- Harness attachment. J. R. Cracroft. 1,691,432; Nov. 13.
- Harness attachment. G. C. Riland. 1,668,468; May 1.
- Harness, Baby. A. S. Pickles. 1,684,110; Sept. 11.
- Harness construction. J. M. Walsh. 1,663,105; Mar. 20.
- Harness, Dog. G. W. Philbrick. 1,685,435; Sept. 25.
- Harness, Jacquard. H. Griffiths. 1,685,878; Oct. 2.
- Harness stop motion. C. Lambert. 1,671,955; May 29.
- Harness strap. W. T. Whitaker. 1,678,544; July 24.
- Harp. V. Hull. 1,692,123; Nov. 20.
- Harrow. W. D. Dewend. 1,669,080; May 8.
- Harrow. J. B. Guthrie. 1,659,262; Feb. 14.
- Harrow. A. B. Nixon. 1,656,126; Jan. 10.
- Harrow. C. T. Ray. 1,670,521; May 22.
- Harrow. J. F. Rude. 1,689,053; Oct. 23.
- Harrow. H. B. Thompson. 1,679,639; Aug. 7.
- Harrow. C. E. Webber. 1,670,602; May 22.
- Harrow attachment. J. M. Harlan. 1,666,778; Apr. 17.
- Harrow attachment, Disk-. H. J. O'Neil. 1,664,430; Apr. 8.
- Harrow, Combined disk and toothed. W. C. Dwyer. 1,685,278; Sept. 25.
- Harrow, Disk. G. A. Flood. 1,669,081; May 8.
- Harrow, Disk. E. E. Hand. 1,670,407-8; May 22.
- Harrow, Disk. J. S. Reynolds. 1,655,712; Jan. 10.
- Harrow, Disk. C. H. White. 1,670,393-4; May 22.
- Harrow, Lister corn. J. H. Campbell. 1,682,322; Aug. 28.
- Harrow, Sectional. L. P. Wolf. 1,689,759; Oct. 30.
- Harrow, Tandem disk. H. S. Dickinson. 1,688,025; Oct. 16.
- Harrow, Tandem disk. A. A. Scarlett. 1,691,587; Nov. 13.
- Harrow, Tandem-disk. C. H. White. 1,685,110; Sept. 25.
- Harrow teeth, Weed-cutting attachment for. M. E. Garn. 1,674,896; June 26.
- Harrow, Tractor disk. C. W. Robinson. 1,667,392; Apr. 24.

- Harrows, Draft evener for. J. A. Reimer. 1,672,038; June 5.
- Harrows, Platform for disk. H. Zeilenga. 1,656,551; Jan. 17.
- Harrows, Power lift for. J. A. Follman. 1,668,400; May 1.
- Harrows, Weeder attachment for. W. C. Hanna and A. Huff. 1,656,788; Jan. 17.
- Harvester. H. Heuer. 1,666,137; Apr. 17.
- Harvester. H. B. Sperry. 1,659,007; Feb. 14.
- Harvester and threshers, Grain-receiving attachment for combined. W. F. Reschke. 1,690,794; Nov. 6.
- Harvester attachment, Grain-. A. Kraft. 1,666,706; Apr. 17.
- Harvester, Bean. R. E. Murphy. 1,675,903; July 3.
- Harvester, Bean. F. Stone. 1,669,917; May 15.
- Harvester, Beet. W. H. Kopitke and H. C. Konfeldt. 1,668,157; May 1.
- Harvester, Beet. H. M. Siemann. 1,657,183; Jan. 24.
- Harvester, Cane. J. Fisher. 1,666,818; Apr. 17.
- Harvester, Combination cotton. W. F. MacGregor. 1,689,443; Oct. 30.
- Harvester, Cotton. P. Helton. 1,664,924; Apr. 3.
- Harvester, Ensilage. F. Blecke. 1,665,401; Apr. 10.
- Harvester, Onion. R. C. Zuckerman. 1,671,263; May 29.
- Harvester, Power-driven corn. T. V. Barnard, R. Mackey, L. Mackey, and L. Mackey. 1,690,809; Nov. 6.
- Harvester reels, Adjusting mechanism for. D. W. Smith. 1,695,510; Dec. 18.
- Harvester, Seed. J. Herr. 1,683,183; Sept. 4.
- Harvester thrasher. R. D. Browning. 1,662,736; Mar. 13.
- Harvester thrasher, Combination. W. F. MacGregor. 1,662,431; Mar. 13.
- Harvester with corn-shelling device, Ensilage. I. E. Rosholt. 1,688,206; Oct. 16.
- Harvesters and the like, Cutting mechanism for cone. F. K. Flynn. 1,664,203; Mar. 27.
- Harvesters and thrashers. Tank for combined. C. F. Strand and C. E. Johnson. 1,658,614; Feb. 7.
- Harvesters, Conveyor-chain guide for sugar cane. F. C. Wilkes and F. K. Flynn. 1,669,272; May 8.
- Harvesters, Shock-forming attachment for. J. W. Oost-rink and F. J. Rowland. 1,658,687; Feb. 7.
- Harvesting apparatus, Corn-. M. E. Kraxberger. 1,693,085; Nov. 27.
- Harvesting artificial ice, Apparatus for. E. A. Hall. 1,694,742; Dec. 11.
- Harvesting machine. P. Ketelsen. 1,692,899; Nov. 27.
- Harvesting machine. A. G. and A. Ronning and E. A. Hedenstrom. 1,660,767; Feb. 28.
- Harvesting machine. J. N. Stovall. 1,661,976; Mar. 6.
- Harvesting machine, Cane-. R. S. Falkiner. 1,673,354; June 12.
- Harvesting machine, Cane. R. S. Falkiner. 1,678,285; July 24.
- Harvesting machine, Cotton-. O. Onsrud. 1,688,312; Oct. 16.
- Harvesting machine for soy beans and the like. F. Carter. 1,676,521; July 10.
- Harvesting machine with scatterer. T. Hintermann. 1,684,626; Sept. 18.
- Harvesting machinery, Vertical sickle divider for grain. W. A. Barber. 1,677,663; July 17.
- Hasp. N. T. Hasenfrue. 1,690,408; Nov. 6.
- Hasp lock. R. K. Hart. 1,673,329; June 12.
- Hasp lock. E. B. Stone. Des. 77,264; Dec. 18.
- Hat. O. Brotelle. 1,680,852; Aug. 14.
- Hat. R. E. Chaine. 1,671,897; May 29.
- Hat. G. E. Holmes. 1,672,217; June 5.
- Hat. A. C. Huber. 1,692,740; Nov. 20.
- Hat. I. B. Simon. Des. 76,902; Nov. 13.
- Hat. C. Solomon. 1,660,770; Feb. 28.
- Hat. E. Wittcoff. 1,673,859; June 19.
- Hat. N. G. Yates. Des. 74,209; Jan. 3.
- Hat and coat rack, Collapsible. J. Hernacki. 1,687,613; Oct. 16.
- Hat and making the same. J. T. Curtis. 1,685,190; Sept. 25.
- Hat and making the same, Fabric. J. M. van Heusen. 1,682,870; Sept. 4.
- Hat, Adjustable. P. A. Fischer. Re17,064; Aug. 7.
- Hat, Adjustable. P. A. Fischer. 1,663,124; Mar. 20.
- Hat bag, Collapsible. H. C. Gamble. 1,691,904; Nov. 13.
- Hat bag, Hand. M. L. Grossman and J. N. Lowe. 1,676,229; July 3.
- Hat bag, Lady's. H. Barol. 1,665,010; Apr. 3.
- Hatband, Adjustable. E. E. Gstalter. 1,674,360-1; June 19.
- Hat-blocking machine, Fur. R. G. Muller. 1,683,790; Sept. 11.
- Hat brace, H. Martin. 1,696,047; Dec. 18.
- Hat carrier, Inverted-edge. J. Bernstein. 1,665,839; Apr. 10.
- Hat-clipping machine. F. E. Kauffmann. Re16,928; Apr. 10.
- Hat, Cloth. L. I. Pekowsky. 1,675,864; July 3.
- Hat facing, Fit-easy. I. E. Risley. 1,676,504; July 10.
- Hat, Fisherman's. P. L. Rehder. 1,678,198; July 24.
- Hat, Flexible straw. M. Kraut. 1,666,875; Apr. 17.
- Hat guard. F. W. J. Wolff. 1,685,263; Sept. 25.
- Hat hanger. W. R. James. 1,655,609; Jan. 10.
- Hat holder. T. J. Merchant. 1,668,246; May 1.
- Hat holder. G. G. Yoder. 1,658,152; Feb. 7.
- Hat, Lady's. M. Davidson. 1,667,415; Apr. 24.
- Hat lining and size reducer. P. Rosenberg. 1,692,419; Nov. 20.
- Hat-packing rings, Forming. W. C. Johnson. 1,663,762; Mar. 27.
- Hat pad. L. Cohen. 1,677,547; July 17.
- Hat pad. S. Kanner and S. Jaffe. 1,656,734; Jan. 17.
- Hat pad. A. P. Wagner. 1,689,539; Oct. 30.
- Hat net. G. V. Heidt. Des. 77,154; Dec. 11.
- Hat protector. S. Andriola. 1,657,057; Jan. 24.
- Hat protector. G. K. Guinzburg. 1,655,586; Sept. 25.
- Hatrack. J. Broch. Des. 76,001; Aug. 14.
- Hatrack. J. Broch. Des. 76,119; Aug. 21.
- Hatrack. F. R. Mount and C. P. Young. 1,681,552; Aug. 21.
- Hat-size reducer. L. Cohen. 1,677,548; July 17.
- Hat stays, Method of and machine for curling. W. C. Johnson. 1,663,763; Mar. 27.
- Hat, Straw. J. Friedman. 1,686,081; Oct. 2.
- Hat, Straw. H. L. Moses. 1,671,082; May 22.
- Hat welt and forming same. W. Busold. 1,695,084; Dec. 11.
- Hats, Conformator for. H. L. Moses. 1,671,776; May 29.
- Hats, Sweatband for. J. C. Peterson. 1,655,773; Jan. 10.
- Hatchery for marine life. F. H. Elsworth. 1,660,259; Feb. 21.
- Hauling apparatus, Sugar-. J. Schiffner. 1,677,733; July 17.
- Hauling device, Stone-. O. M. White. 1,691,597; Nov. 13.
- Hauling-in device. C. Rusk. 1,683,922; Sept. 11.
- Hauling mechanism. R. C. Osgood. 1,665,068; Apr. 3.
- Hay-baling device. J. M. Wolf. 1,691,865; Nov. 13.
- Hay carrier. H. L. Ferris. 1,670,765; May 22.
- Hay loader, Windrow. L. H. Kaupke. 1,664,688; Apr. 2.
- Hay-loading device. M. Hegerland. 1,666,092; Apr. 17.
- Hay presses, Follower-operating mechanism for. L. J. Toffelmier and C. Miller. 1,683,935; Sept. 11.
- Hayrack. L. C. Struensee. 1,664,838; Apr. 3.
- Hayrake. W. E. Mottier. 1,664,699; Apr. 3.
- Hay rake and buncher. J. Boyd. 1,684,573; Sept. 18.
- Hay sling. H. Schneider. 1,663,063; Mar. 20.
- Haystacker, Double-A extension. J. H. Cope. 1,655,594; Jan. 10.
- Head check. C. Achenbach. 1,686,060; Oct. 2.
- Head clamp, Sinus. D. M. Ghrist. 1,688,382; Oct. 23.
- Head covering for fowls. G. Merle, sr. 1,657,865; Jan. 31.
- Headress, Woman's. L. Ruffo. 1,665,380; Apr. 10.
- Head for lighting units. F. G. Welsch. Des. 76,442; Sept. 25.
- Headgear. C. C. Boettge. 1,655,007; Jan. 3.
- Headgear. F. Dieterle. 1,660,375; Feb. 28.
- Headgear. V. Habib. 1,684,670; Sept. 18.
- Headgear, Adjustable. A. Greenstein. 1,688,013; Oct. 16.
- Headgear and making the same. J. Steinberg. 1,664,271; Mar. 27.
- Head impeller mechanism, Variable-. A. Hollander. 1,668,018; May 1.
- Headlamp-adjusting chart. T. W. Frech. 1,676,028; July 10.
- Headlamp construction. E. C. Albright. 1,695,478; Dec. 18.
- Head lamps, Antiglare and light-distributing means for vehicle. G. L. Schofield. 1,675,731; July 3.
- Headlight. W. E. Allen. 1,656,130; Jan. 10.
- Headlight. S. T. Beare. 1,693,334; Nov. 27.
- Headlight. J. P. C. Charlebois. 1,696,793; Dec. 25.
- Headlight. W. L. Geddes. 1,686,656; Oct. 9.
- Headlight. F. B. Harrman. 1,657,502; Jan. 31.
- Headlight. C. P. Hoefler. 1,686,452; Oct. 2.
- Headlight. G. E. Howe. 1,668,679; May 8.
- Headlight. W. Irwin. 1,671,900; May 29.
- Headlight. C. N. Kisecker. 1,676,393; July 10.
- Headlight. N. D. Levin. 1,662,118; Mar. 13.
- Headlight. J. M. B. Lewis. 1,682,387; Aug. 28.
- Headlight. A. Maurer. 1,677,673; July 17.
- Headlight. B. E. Melton. 1,662,322; Mar. 13.
- Headlight. R. Murn. 1,655,103; Jan. 3.
- Headlight. S. D. Polsen. 1,659,894; Feb. 21.
- Headlight. W. D'A. Ryan. 1,676,463-4; July 10.
- Headlight. W. D. Ryan. 1,684,688; Sept. 18.
- Headlight. J. A. Street. 1,673,604; June 12.
- Headlight. S. Suits. 1,683,998; Sept. 11.
- Headlight and control mechanism, Automobile. S. L. and F. C. Tucker. 1,681,448; Aug. 21.
- Headlight and control therefor, Automobile. D. H. Montgomery. 1,654,696; Jan. 3.
- Headlight and mounting for toy railway cars. H. S. Becker. 1,685,691; Sept. 25.
- Headlight and signal controlling system, Combined. J. M. Miller. 1,658,769; Feb. 7.
- Headlight antiglare screen. R. O. Ferguson. 1,674,507; June 19.
- Headlight attachment. D. Barnes. 1,656,466; Jan. 17.
- Headlight attachment. S. Cordes. 1,671,671; May 29.
- Headlight attachment. T. I. Moen. 1,671,438; May 29.
- Headlight attachment. S. D. and M. D. Rich. 1,675,767; July 3.
- Headlight attachment. P. Ring. 1,667,949; May 1.
- Headlight attachment. D. Ringers. 1,687,144; Oct. 9.
- Headlight, Automatic safety. A. W. Weir, J. Weingarten, and W. G. Switzer. 1,667,366; Apr. 24.
- Headlight, Automobile. C. B. Fairchild. 1,667,288; Apr. 24.

- Headlight, Automobile. C. A. Michel. 1,655,620; Jan. 10.
- Headlight, Automobile. C. A. Michel. 1,655,914; Jan. 10.
- Headlight, Automobile. C. A. Michel. 1,691,662; Nov. 13.
- Headlight, Automobile. D. W. Ohaver. 1,675,766; July 3.
- Headlight, Automobile. D. W. Ohaver. 1,680,168; Aug. 7.
- Headlight, Automobile. R. A. Russell, jr. 1,681,909; Aug. 21.
- Headlight, Automobile. R. B. Stiert. 1,666,151; Apr. 17.
- Headlight, Automobile. L. L. Wagner. 1,684,720; Sept. 18.
- Headlight, Automobile pilot. J. A. Thomas. 1,657,907; Jan. 31.
- Headlight bulb and deflector. B. Porter. 1,657,410; Jan. 24.
- Headlight closure for motor vehicles. E. A. P. van Lith. 1,683,503; Sept. 4.
- Headlight control. W. G. Wood. 1,660,699; Feb. 28.
- Headlight diffuser. C. P. Johnson. 1,654,984; Jan. 3.
- Headlight dimmer. B. J. Hill and G. W. Meyer. 1,658,679; Feb. 7.
- Headlight dimmer. D. Reynolds. 1,663,177; Mar. 20.
- Headlight dimmer, Auto. J. C. Sweet. 1,691,832; Nov. 13.
- Headlight, Dirigible. J. N. Armstrong. 1,686,401; Oct. 2.
- Headlight, Dirigible. E. Barber and N. Ingraham. 1,689,712; Oct. 30.
- Headlight, Dirigible. B. Bergman. 1,678,495; July 24.
- Headlight, Dirigible. J. H. Burnfiel. 1,680,727; Aug. 14.
- Headlight, Dirigible. A. Caminetti, jr. 1,668,046-7; May 1.
- Headlight, Dirigible. R. Ferrero. 1,693,375; Nov. 27.
- Headlight, Dirigible. J. Helstrom. 1,688,275; Oct. 16.
- Headlight, Dirigible. W. R. Hose. 1,693,900; Dec. 4.
- Headlight, Dirigible. D. P. Hughes and P. E. Martin. 1,656,561; Jan. 17.
- Headlight, Dirigible. G. S. Keck. 1,692,173; Nov. 20.
- Headlight, Dirigible. M. S. Kelley. 1,678,911; July 31.
- Headlight, Dirigible. F. Lipke. 1,685,092; Sept. 25.
- Headlight, Dirigible. F. Y. McKenney. 1,686,459; Oct. 2.
- Headlight, Dirigible. A. S. Ramsay. 1,683,300; Sept. 4.
- Headlight, Dirigible. L. G. Rath. 1,683,802; Sept. 11.
- Headlight, Dirigible. C. C. Rogers. 1,659,747; Feb. 21.
- Headlight, Dirigible. W. M. Sweet. 1,666,867; Apr. 17.
- Headlight, Dirigible. L. P. Weine. 1,656,966; Jan. 24.
- Headlight, Dirigible. J. D. Welborn. 1,675,475; July 3.
- Headlight for automobiles, Adjustable. B. T. Coates. 1,668,670; May 8.
- Headlight for automobiles and the like, Dirigible. G. S. Keck. 1,692,172; Nov. 20.
- Headlight for automobiles, Dirigible. W. H. Babcock. 1,684,294; Sept. 11.
- Headlight for automobiles, Dirigible. A. E. Daly. 1,664,162; Mar. 27.
- Headlight for automobiles, Dirigible. C. R. Stoullil. 1,678,308; July 24.
- Headlight for automobiles, Safety. P. L. Farman. 1,672,452; June 5.
- Headlight for vehicles, Automatically-dirigible. P. Cantini S. 1,695,758; Dec. 18.
- Headlight, Glareless. B. Porter. 1,696,055; Dec. 18.
- Headlight hood. H. H. de Bolt. Des. 75,015; May 1.
- Headlight lens. M. Poser. 1,671,313; May 29.
- Headlight lens. C. H. Tumeys, sr. 1,678,408; July 24.
- Headlight lens, Automobile. W. H. Zorger. 1,674,460; June 19.
- Headlight, Locomotive. S. Moore. 1,659,328; Feb. 14.
- Headlight mechanism, Dirigible. G. H. Treglowen and E. Carter. 1,693,499; Nov. 27.
- Headlight mechanism, Vehicle. S. Moore. 1,658,534; Feb. 7.
- Headlight-operating mechanism, Automobile. S. L. and F. C. Tucker. 1,692,100; Nov. 20.
- Headlight reflector. R. W. Johnson. 1,663,008; Mar. 20.
- Headlight regulator, Automobile. E. B. Volkerding. 1,689,538; Oct. 30.
- Headlight shield. L. E. McAllister. 1,656,983; Jan. 24.
- Headlight-shifting mechanism. H. M. Knisley, C. A. Creswell, and H. F. Messer. 1,683,556; Sept. 4.
- Headlight structure, Automobile. J. C. Shofner. 1,685,869; Oct. 2.
- Headlight, Swinging automobile. J. R. Cambron. 1,689,167; Oct. 23.
- Headlight, Tiltable and dirigible. T. C. Holliday. 1,666,856; Apr. 17.
- Headlight, Vehicle. J. F. Flannery. 1,676,690; July 10.
- Headlight, Vehicle. C. H. Jording. 1,690,016; Oct. 30.
- Headlight, Vehicle. A. J. B. Marsat. 1,661,077; Feb. 28.
- Headlight, Vehicle. G. A. M. L. Parent. 1,680,154; Aug. 7.
- Headlight, Vehicle. W. H. Wood. 1,678,093; July 24.
- Headlight, Vehicle. W. H. Wood. 1,686,543; Oct. 9.
- Headlight, Vehicle. W. H. Wood. 1,686,593; Oct. 9.
- Headlight, Windshield. A. B. Nock. 1,674,340; June 19.
- Headlights, Actuating means for dipping or tilting. G. H. Abell and R. G. Wells. 1,674,461; June 19.
- Headlights, Antiglare attachment for. A. R. de Tartas. 1,680,037; Aug. 7.
- Headlights, Antiglare device for. D. Dec. 1,670,142; May 15.
- Headlights, Automatic control for. E. von der Lippe-Lipski. 1,694,511; Dec. 11.
- Headlights, Controlling mechanism for. A. M. Purchio. 1,672,282; June 5.
- Headlights, Dirigible reflector in. J. V. Cunliff. 1,662,699; Mar. 13.
- Headlights, Focusing device for automobile. S. E. Brown. 1,662,360; Mar. 13.
- Headlights for automobiles, Dimming. J. Roche. 1,695,824; Dec. 18.
- Headlights, Glare shield for vehicle. C. P. Hoefler. 1,669,753; May 15.
- Headlights, Lens for. W. N. Allan. 1,659,508; Feb. 14.
- Headlights, Light control device for. A. S. Tjaden. 1,678,170; July 24.
- Headlights, Light diffuser for. B. K. Smith. 1,694,491; Dec. 11.
- Headlights, Manufacture of. W. H. Wood. Re17,155; Dec. 4.
- Headlights, Manufacture of. W. H. Wood. 1,668,706; May 8.
- Headlights of automobiles, Dimming apparatus for. W. E. McLaughlin. 1,670,517; May 22.
- Headlights, Shifting mechanism for. J. Zabaljaureul. 1,660,238; Feb. 21.
- Headrest. A. J. May. 1,686,631; Oct. 9.
- Headwear, Article of. P. Merton. 1,681,006; Aug. 14.
- Header attachment for side-delivery hay loaders. J. A. Dyke. 1,680,597; Aug. 14.
- Header for meters, Suspending and controlling. W. B. Ford. 1,696,757; Dec. 25.
- Header for water-tube boilers, Sectional. A. Cotton. 1,688,574; Oct. 23.
- Header, Kafr-corn. W. A. Harrell. 1,694,852; Dec. 11.
- Header, Kafr-corn. A. G. Stevenson. 1,685,507; Sept. 25.
- Header or coupling. W. L. Gomory. 1,675,173; June 26.
- Header, Sectional. A. Cotton. 1,654,535; Jan. 3.
- Header, Short-stem milo-maize. W. B. Johnson. 1,666,824; Apr. 17.
- Heading and elevating machine. H. D. Rose and A. Manthe. 1,688,659; Oct. 23.
- Heading machine. E. O'Toole. 1,687,949; Oct. 16.
- Heading machines, Automatic feed mechanism for. W. Lowery. 1,676,567; July 10.
- Health table, Neuropathic. M. Daniels and A. J. Wood. 1,693,810; Dec. 4.
- Hearing apparatus. A. von Suchorzynski. 1,683,316; Sept. 4.
- Hearing, Apparatus for aiding. F. W. Kranz. 1,679,532; Aug. 7.
- Hearth calcining furnace, Multiple-. R. D. Pike. 1,674,919; June 26.
- Hearth for type founding and the like. J. Rabaté. 1,672,142; June 5.
- Hearth furnace, Rotary. J. F. Baker. 1,691,367; Nov. 13.
- Hearth furnace, Rotary-. O. A. Colby. 1,695,883; Dec. 18.
- Hearth-tray furnace, Tilting. A. D. Keene. 1,664,749; Apr. 3.
- Heat-accumulating system, Solar-. W. J. Harvey. 1,696,003; Dec. 18.
- Heat and controlling working substances, Transforming. R. W. Davenport. 1,680,453; Aug. 14.
- Heat and sound insulating filler and installing and drying the same. W. K. Nelson. 1,656,387; Jan. 17.
- Heat application, Apparatus for. W. A. Darrah. 1,689,379; Oct. 30.
- Heat-balance system. C. W. E. Clarke. 1,656,421; Jan. 17.
- Heat coil. J. S. Baker. 1,678,800; July 31.
- Heat-conducting tube. J. B. Murray and T. E. Murray, jr. 1,682,404; Aug. 28.
- Heat-conductivity apparatus. F. M. Rowan. 1,680,638; Aug. 14.
- Heat-control device, Automatic. F. N. Nutt. 1,694,751; Dec. 11.
- Heat-control device for ovens. A. G. Sherman, G. Smith, G. H. Ramig, and C. A. Roose. 1,684,205; Sept. 11.
- Heat control for cooking utensils. R. A. Botts. 1,692,153; Nov. 20.
- Heat control for internal-combustion engines, Thermo-static. W. G. Heginbottom and J. R. Francis. 1,688,387; Oct. 23.
- Heat-controlling apparatus. F. E. Harris. 1,675,605; July 3.
- Heat-controlling regulator, Automatic. J. J. Lawler. Re17,135; Nov. 13.
- Heat-controlling regulator, Automatic. J. J. Lawler. 1,695,809; Dec. 18.
- Heat deflector. C. H. Miller. 1,661,769; Mar. 6.
- Heat-distributing means. E. Davis. 1,683,607; Sept. 11.
- Heat distributor for kitchen boilers. B. Emls. 1,637,351; Jan. 24.
- Heat drier, Solar-. L. H. Shipman. 1,678,711; July 31.
- Heat economizer. J. C. Wilson. 1,684,049; Sept. 11.
- Heat engine. R. W. Davenport. Re17,078; Sept. 11.
- Heat engine. H. F. Smith. 1,675,829; July 3.
- Heat-exchange apparatus. C. F. Braun. 1,662,143; Mar. 13.
- Heat-exchange apparatus. G. O. W. Heijlenskjoeld. 1,656,790; Jan. 17.
- Heat-exchange apparatus. G. T. Jacobs. 1,691,012; Nov. 6.
- Heat-exchange apparatus. E. Menzel. 1,669,062; May 8.
- Heat-exchange apparatus. T. W. Munford. 1,673,418; June 12.
- Heat-exchange device. S. T. Nelson. 1,679,134; July 31.
- Heat-exchange unit. A. B. Modine. 1,677,457; July 17.
- Heat exchanger. R. L. Blanding. 1,655,086; Jan. 3.
- Heat exchanger. A. P. Brocklebank. 1,689,910; Oct. 30.

- Heat exchanger. D. K. Dean. 1,669,291; May 8.
 Heat exchanger. N. R. Forssblad. 1,680,145; Aug. 7.
 Heat exchanger. C. B. Grady. 1,690,108; Nov. 6.
 Heat exchanger. A. W. Lissauer. 1,676,787; July 10.
 Heat exchanger. W. Lonsdale. 1,672,650; June 5.
 Heat exchanger. M. Mauran. 1,673,918; June 19.
 Heat exchanger. C. H. Potts. 1,690,501; Nov. 6.
 Heat exchanger, Rotary. F. S. Broadhurst. 1,689,189; Oct. 30.
 Heat-exchanging apparatus. C. F. Braun. 1,683,236; Sept. 4.
 Heat generated in gas-making apparatus, Conserving. P. Plantinga. 1,673,589; June 12.
 Heat-generating systems, Control for electrically-operated. I. E. McCabe. 1,674,051; June 19.
 Heat generator. J. J. Sloyan. 1,672,002; June 5.
 Heat indicator. J. E. Esbbaugh. 1,690,337; Nov. 6.
 Heat indicator, Dashboard-type. W. L. Rohrer. 1,677,208; July 17.
 Heat indicator for automotive internal-combustion engines, Spherical. H. C. Hobig. 1,693,984; Dec. 4.
 Heat-insulating material and its manufacture. W. W. Odell. 1,657,582; Jan. 31.
 Heat-insulating material and making the same, Refractory. B. T. Horsfield. 1,682,675; Aug. 28.
 Heat-interchange apparatus. G. H. Kelley. 1,673,409; June 12.
 Heat-interchange apparatus and constructing the same. G. Cahill. 1,672,708; June 5.
 Heat-interchange device. C. R. Houseman. 1,677,777; July 17.
 Heat interchanger. C. V. Boys. 1,680,850; Aug. 14.
 Heat interchanger. O. E. Frank. 1,668,183; Oct. 16.
 Heat interchanger. E. B. McCabe. 1,663,209; Mar. 20.
 Heat interchanger, Grooved-plate. C. W. Stancliffe. 1,662,870; Mar. 20.
 Heat interchanger, Sectional. C. W. Stancliffe. 1,670,127; May 15.
 Heat-producing apparatus, Thermostatic regulating device for. A. O. Appelberg. 1,661,103; Feb. 28.
 Heat-producing composition. C. E. Lyon. 1,679,432; Aug. 7.
 Heat regenerator. J. R. Buffington. 1,687,236; Oct. 9.
 Heat-regulating device, Oven-. E. L. Claus and W. E. Claus. 1,694,682; Dec. 11.
 Heat-regulating system. H. W. Sweatt and F. S. Denison. 1,671,910; May 29.
 Heat regulator. C. H. Hapgood. 1,681,640; Aug. 21.
 Heat regulator, Oven-. E. L. Claus. 1,662,416; Mar. 13.
 Heat regulator, Oven-. B. E. Meacham. 1,656,010; Jan. 10.
 Heat-resistant composition suitable for arc deflectors. W. R. Steele. 1,696,614; Dec. 25.
 Heat-responsive apparatus. A. J. Loepsinger. 1,667,425; Apr. 24.
 Heat-responsive material. P. B. Cochran. 1,693,369; Nov. 27.
 Heat-saturation indicator. R. L. Fearn. 1,669,510; May 15.
 Heat storage, Chemical. F. W. Sterling and H. L. Crooker. 1,656,366; Jan. 17.
 Heat-supply control. C. C. McDermott. 1,658,134; Feb. 7.
 Heat transfer. J. E. Bell. 1,681,926; Aug. 28.
 Heat-transfer apparatus. C. M. Alexander. 1,658,025; Feb. 7.
 Heat-transfer apparatus. C. W. Stancliffe. 1,692,391; Nov. 20.
 Heat transfer, Apparatus for effecting. H. F. Smith. 1,656,836; Jan. 17.
 Heat-transfer apparatus, Welded. J. E. Bell. 1,671,098; May 29.
 Heat-transfer device. J. E. Ercanbrack. 1,671,631; May 29.
 Heat-transfer device. D. S. Jacobus. 1,668,965; May 8.
 Heat-transfer device. B. J. Pepper. 1,661,010-11; Feb. 28.
 Heat transfer, Process of and apparatus for. R. W. Davenport. 1,659,682; Feb. 21.
 Heat, Transforming. R. W. Davenport. 1,659,681; Feb. 21.
 Heat-transmission tube. H. W. Paulus. 1,671,446; May 29.
 Heat-treating apparatus. L. E. Howard. 1,696,801; Dec. 25.
 Heat-treating apparatus. C. L. Ipsen. 1,675,271; June 26.
 Heat treating articles, Apparatus for. J. W. Fay. 1,659,946; Feb. 21.
 Heat treating articles, Apparatus for. W. L. Schulenberg. 1,690,555; Nov. 6.
 Heat-treating furnace. A. Besta. 1,695,224; Dec. 11.
 Heat-treating furnace. H. O. Breaker. 1,694,964; Dec. 11.
 Heat-treating method. W. J. Brown. 1,687,656; Oct. 16.
 Heat-treating steel. L. W. Kinney and G. H. Bierman. 1,695,922; Dec. 18.
 Heat treatment and concentration of copper ores. J. C. Moulden and B. Taplin. 1,679,337; July 31.
 Heat-treatment apparatus. G. Keller. 1,693,388; Nov. 27.
 Heat treatment of materials for distilling, drying, or carbonizing them. A. M. Duckham, D. Rider, and J. S. Watts. 1,662,663; Mar. 13.
 Heat treatment of metals. A. S. MacDonald. 1,695,433; Dec. 18.
 Heat treatment of permanent magnets. J. E. and F. S. Gee. 1,685,877; Oct. 2.
 Heat treatment of substances by means of molten metal. J. S. Morgan. 1,681,808; Aug. 21.
 Heat unit for internal-combustion engines, Vaporizing. W. G. Schnee. 1,692,906; Nov. 27.
 Heatable sludge-digestion chamber for sewage treatment. K. Imhoff. 1,692,446; Nov. 20.
 Heated air or gas, Apparatus for supplying a current of. V. Elkington. 1,683,028; Sept. 4.
 Heated roller. J. D. Conger. 1,668,142; May 1.
 Heater: See—
 Air heater. Liquid-fuel-burning heater.
 Air-tight heater. Liquid heater.
 Automatic water heater. Manifold heater.
 Automobile heater. Mill roll heater.
 Baseboard heater. Motor heater.
 Battery heater. Oil-burning heater.
 Brooder heater. Oil heater.
 Car heater. Orchard heater.
 Cement heater. Oven heater.
 Coal-oil heater. Paper heater.
 Coil heater. Rivet heater.
 Convection heater. Room heater.
 Curling-iron heater. Sadiron heater.
 Distillation heater. Shoe heater.
 Down-draft heater. Solar heater.
 Drink heater. Stage heater.
 Electric heater. Sun-ray heater.
 Electric liquid heater. Switch heater.
 Electric metal-stock heater. Table heater.
 Electric pipe heater. Tank heater.
 Electrical heater. Thermoelectric heater.
 Engine heater. Tire heater.
 Flue heater. Unit heater.
 Fluid heater. Universal bottle heater.
 Fuel heater. Vehicle heater.
 Fuel-oil heater. Vestibule heater.
 Gas heater. Wall heater.
 Hot-water heater. Watchcase heater.
 Immersion heater. Water heater.
 Incubator heater. Wave heater.
 Intake heater. Windshield heater.
 Iron heater. Windshield-wiper heater.
 Heater. H. L. Bevier. 1,680,005; Aug. 7.
 Heater. J. H. Campbell. 1,666,253; Apr. 17.
 Heater. I. Caprin. 1,683,527; Sept. 4.
 Heater. T. G. Crane. 1,661,322; Mar. 6.
 Heater. W. H. D'Ardenne. 1,678,059; July 24.
 Heater. S. R. Du Brie. 1,681,726; Aug. 21.
 Heater. H. E. Fromm. 1,692,164; Nov. 20.
 Heater. F. Grady. 1,679,937; Aug. 7.
 Heater. H. L. Guy. 1,665,356; Apr. 10.
 Heater. J. Hicks. 1,665,924; Apr. 10.
 Heater. E. H. Kelper. Des. 74,676; Mar. 13.
 Heater. H. Lange. 1,695,658; Dec. 18.
 Heater. L. S. Lawson. 1,683,082; Sept. 4.
 Heater. M. R. Lehman. 1,659,694; Feb. 21.
 Heater. E. P. Miles. 1,681,995; Aug. 28.
 Heater. T. E. Murray. 1,693,043; Nov. 27.
 Heater. E. Nauer. 1,663,722; Mar. 27.
 Heater. F. A. Nieberding. Des. 74,448; Feb. 14.
 Heater. F. A. Nieberding. Des. 74,450; Feb. 14.
 Heater. A. A. Nieberding. Des. 74,841; Apr. 3.
 Heater. A. A. Nieberding. Des. 74,941; Apr. 17.
 Heater. G. E. Pickup. Des. 77,328; Dec. 25.
 Heater. A. W. Pope, jr. 1,656,363; Jan. 17.
 Heater. W. W. Ridgely. 1,674,063; June 19.
 Heater. W. W. Ridgely. 1,696,454; Dec. 25.
 Heater. W. Rogers. 1,657,645; Jan. 31.
 Heater. F. Sauvatre. 1,668,026; May 1.
 Heater. C. T. Siebs. 1,690,379; Nov. 6.
 Heater. J. W. Slade. 1,694,695; Dec. 11.
 Heater. G. E. Starkweather. 1,677,006; July 10.
 Heater. C. H. Thomasson. 1,684,750; Sept. 18.
 Heater. F. E. Thomes. 1,672,793; June 5.
 Heater. C. L. Wagner. 1,678,027; July 24.
 Heater. G. W. Whipps. 1,667,997; May 1.
 Heater and andiron, Combined. F. A. Nieberding. Des. 74,449; Feb. 14.
 Heater and cookstove, Combined gas. C. E. C. Edey. 1,671,518; May 29.
 Heater and curling-iron attachment, Combination radiant. H. E. Meltzer and M. J. Svoren. 1,659,278; Feb. 14.
 Heater and draft-governing means therefor. N. Olson. 1,684,844; Sept. 18.
 Heater and fan, Combination electric. J. E. Marsden. 1,674,017; June 19.
 Heater and making the same, Tubular. J. C. Woodson. 1,667,879; May 1.
 Heater and muffler device, Combined. W. F. Mark. 1,687,168; Oct. 9.
 Heater and operating same, Liquid-conductor. M. W. Hanks. 1,683,070; Sept. 4.
 Heater and operating same, Liquid-conductor. M. W. Hanks and M. Mason. 1,683,071; Sept. 4.
 Heater and purifier, Feed-water. W. J. Everett. 1,674,820; June 26.
 Heater and steam generator, Water. F. W. Ellyson. 1,657,202; Jan. 24.
 Heater and the like, Air. M. Levron. 1,688,147; Oct. 16.
 Heater appliance. F. A. Gauger and R. W. Johnson. 1,680,049; Aug. 7.
 Heater attachment for electric fans. M. Murphy. 1,655,193; Jan. 3.

- Heater attachment, Radiant. G. L. Davenport, jr. 1,682,038; Aug. 28.
- Heater connection. W. E. Edgett. 1,687,931; Oct. 16.
- Heater construction. C. F. Eframson. 1,690,533; Nov. 6.
- Heater control, Unit. H. W. Sweatt. 1,665,801; Apr. 10.
- Heater control, Unit. H. W. Sweatt. 1,673,057; June 12.
- Heater controller. O. A. Knopp. 1,696,684; Dec. 25.
- Heater device, Liquid-conductor. M. W. Hanks and M. Mason. 1,683,069; Sept. 4.
- Heater element, Electrical. E. C. Lackland. 1,655,838; Jan. 10.
- Heater fan, Electric. J. E. Marsden. 1,688,052; Oct. 16.
- Heater for automobiles. A. Spillman. Des. 75,701; July 3.
- Heater for charge-forming devices, Air. A. G. Redmond. 1,666,147; Apr. 17.
- Heater for domestic boilers. T. H. Stamp. 1,695,352; Dec. 18.
- Heater for hair-waving outfits. G. Decker. 1,674,591; June 19.
- Heater for internal-combustion engines, Intake. S. I. Fekete. 1,673,068; June 12.
- Heater for internal-combustion engines, Water. J. E. Rohne. 1,683,920; Sept. 11.
- Heater for liquid-heat-transmission systems. D. M. Luchrs. 1,684,963; Sept. 18.
- Heater for long bars, Electric. W. S. Johnson and J. W. Sheffer. 1,685,135; Sept. 25.
- Heater for percolators and the like, Electric. A. and M. Bersted. 1,693,364; Nov. 27.
- Heater for sawdust or coal dust. A. O. Brunette. 1,687,539; Oct. 16.
- Heater for sheet deliveries. W. M. Kelly. 1,668,154; May 1.
- Heater for water-cooled internal-combustion engines, Electric water. L. Parker and L. E. Miller. 1,684,845; Sept. 18.
- Heater or cooler. D. R. McNeal. 1,662,615; Mar. 13.
- Heater or fumer, Electric. L. E. Aske. 1,671,974; June 5.
- Heater system, Electric. W. G. Hartwig. 1,689,432; Oct. 30.
- Heater units, Making. W. R. King. 1,684,184; Sept. 11.
- Heaters and the like, Heat-exchanging structure for air. O. Strack. 1,679,993; Aug. 7.
- Heaters, Control for electric water. G. A. E. Jones. 1,674,334; June 19.
- Heaters, Control system for radiant. V. G. Vaughan. 1,680,401; Aug. 14.
- Heaters, Deflector for motor-vehicle hot-air. M. S. Frankle. 1,690,723; Nov. 6.
- Heaters, Distributor for motor-vehicle. H. F. Carpenter. 1,658,881; Feb. 14.
- Heaters, Gridwork for air. H. Klein and P. Kuhn. 1,682,131; Aug. 28.
- Heaters, Making electrical. R. L. Shriner. 1,681,956; Aug. 28.
- Heaters, Reflector for radiant. J. Schoenfeld. 1,659,897; Feb. 21.
- Heating and agitating apparatus. H. B. Kipper. 1,655,424; Jan. 10.
- Heating and cooking apparatus, Electrical. J. W. J. Kaffer. 1,677,032; July 10.
- Heating and cooling device for buildings. A. H. Barker. 1,671,568; May 29.
- Heating and deaerating water, Method of and apparatus for. G. H. Gibson. 1,667,850; May 1.
- Heating and forming means, Electrical. A. G. Dannell. 1,693,271; Nov. 27.
- Heating and forming method, Electrical. A. G. Dannell. 1,692,488; Nov. 20.
- Heating and humidifying apparatus, Space. A. L. Klees, B. Greenfield, and G. B. Ackermann. 1,674,337; June 19.
- Heating and surface-finishing device, Electric. M. Nieto. 1,690,831; Nov. 6.
- Heating and transfer of articles, Apparatus for. H. P. McCann. 1,668,164; May 1.
- Heating and ventilating apparatus. C. T. Morse. 1,685,610; Sept. 25.
- Heating and ventilating apparatus. A. R. Teare. 1,688,362-3; Oct. 23.
- Heating and ventilating apparatus, Hot-air. J. C. Miles. Re17,089; Sept. 25.
- Heating and ventilating device. C. G. Terry. 1,660,689; Feb. 28.
- Heating and ventilating unit. M. J. Callahan. 1,692,330; Nov. 20.
- Heating apparatus. W. A. Bollinger. 1,658,367; Feb. 7.
- Heating apparatus. J. De Ruvo. 1,696,078; Dec. 18.
- Heating apparatus. M. N. Freeman. 1,696,031; Dec. 18.
- Heating apparatus. A. A. Landon. 1,667,164; Apr. 24.
- Heating apparatus. S. M. McConnell. 1,668,417; May 1.
- Heating apparatus. W. H. Sommer. 1,694,191; Dec. 4.
- Heating apparatus. W. D. Stratton. 1,665,992; Apr. 10.
- Heating apparatus. J. H. Sutter. 1,689,937; Oct. 30.
- Heating apparatus. W. T. Tabb. 1,694,725; Dec. 11.
- Heating apparatus and forming a combustible mixture, Fluid-fuel. H. F. Rodler. 1,693,053; Nov. 27.
- Heating apparatus and method, Electrical. A. S. Macdonald. 1,679,730; Aug. 7.
- Heating apparatus, Draft control for. G. E. Travis. 1,672,287; June 5.
- Heating apparatus, Electrical. R. A. Carleton. 1,684,942; Sept. 18.
- Heating apparatus, Electrical. A. S. Macdonald, and C. C. Waite. 1,671,300; May 29.
- Heating apparatus, Electrical. H. N. Shaw. 1,686,108; Oct. 2.
- Heating apparatus, Engine. J. Good. 1,679,521; Aug. 7.
- Heating apparatus, Engine. J. Good. 1,692,297; Nov. 20.
- Heating apparatus for automobile vehicles. O. S. Caesar. Re17,131; Nov. 13.
- Heating apparatus for automotive vehicles. O. S. Caesar. 1,668,490-1; May 1.
- Heating apparatus, Hydrocarbon. A. F. and C. A. Reif. 1,673,203; June 12.
- Heating apparatus, Solar. L. H. Shipman. 1,683,266; Sept. 4.
- Heating apparatus, Surface. W. A. Hext. 1,669,614; May 15.
- Heating apparatus, Tubular fluid-. J. E. Bell. 1,667,833; May 1.
- Heating appliance. M. Dechmann. 1,673,140; June 12.
- Heating appliance. J. B. Ehrlich. 1,663,937; Mar. 27.
- Heating appliance. F. E. Wolcott. 1,681,142; Aug. 14.
- Heating appliance, Electrical. B. G. Tarkington and O. F. Winsinger. Des. 75,878; July 24.
- Heating attachment, Electrical. E. C. Dwyer and W. O. Dwyer. 1,665,950; Apr. 10.
- Heating attachment for furnaces, Auxiliary. W. Schau. 1,675,384; July 3.
- Heating attachment for windshield wipers, Electric. E. Adams. 1,685,889; Sept. 25.
- Heating bag. H. H. Baker. 1,659,185; Feb. 14.
- Heating bar. F. W. Brooke. 1,682,112; Aug. 28.
- Heating boiler, Sectional. H. H. Peek. 1,687,784; Oct. 16.
- Heating buildings. E. Altenkirch. 1,683,434; Sept. 4.
- Heating coil for hot-water systems. J. J. Parkinson. 1,663,562; Mar. 27.
- Heating control system. G. H. Jump. 1,694,323; Dec. 4.
- Heating, cooling, and humidifying system for buildings. C. A. Fjelstad. 1,681,582; Aug. 21.
- Heating device. L. F. Clausing. 1,666,367; Apr. 17.
- Heating device. B. W. Macy. 1,690,986; Nov. 6.
- Heating device. A. Pais. 1,663,640; Mar. 27.
- Heating device. R. Rochester, jr. 1,693,182; Nov. 27.
- Heating device, Automobile oil-. G. Tollerud. 1,667,614; Apr. 24.
- Heating device, Crank-case. H. F. Sinning. 1,683,312; Sept. 4.
- Heating device, Electric. W. W. Hicks. 1,659,774; Feb. 21.
- Heating device, Electric. J. F. Lamb. 1,692,781; Nov. 20.
- Heating device, Electric. F. W. Leavers. 1,680,743; Aug. 14.
- Heating device, Electric. L. A. Smith and R. Rze-miniecki. 1,654,842; Jan. 3.
- Heating device, Fluid-. K. Muhleisen. 1,654,551; Jan. 3.
- Heating device for air-circulating fans. S. A. Xippas. 1,691,421; Nov. 13.
- Heating device, Rail-. W. H. Greenfield. 1,681,231; Aug. 21.
- Heating device, Liquid-. A. J. Lambert. 1,684,630; Sept. 18.
- Heating devices, Testing electric. H. D. Matthews and R. F. Bisbee. 1,664,221; Mar. 27.
- Heating drum. R. L. Meyers. 1,689,838; Oct. 30.
- Heating element. H. Westergaard. 1,668,477; May 1.
- Heating element, Electric. S. S. Bolsinger. 1,680,084; Aug. 7.
- Heating element, Electric resistance. H. S. Lee. 1,694,600; Dec. 11.
- Heating element for tempering machines. P. and K. Hustadt. 1,669,005; May 8.
- Heating-element support. W. Campbell. 1,661,464; Mar. 6.
- Heating-element support. H. A. Mulvany. 1,682,402; Aug. 28.
- Heating element, Thermostatically-controlled. L. H. Lamont. 1,684,544; Sept. 18.
- Heating elements, Producing electrical. E. L. and A. P. Wiegand. 1,669,885; May 8.
- Heating fruit and applying preservatives thereto, Apparatus for. B. C. Skinner. 1,672,737; June 5.
- Heating furnace. R. E. Bissell. 1,692,614; Nov. 20.
- Heating furnace. B. E. L. de Maré. 1,671,147; May 29.
- Heating furnace. J. Hirschmann. 1,686,696; Oct. 9.
- Heating furnace, Air-. L. Burmester. 1,686,070; Oct. 2.
- Heating furnace, Blank-. H. C. Johansen. 1,688,814; Oct. 23.
- Heating furnace, Continuous. C. E. Lehr. 1,696,805; Dec. 25.
- Heating furnace, Continuous slab-. F. W. Manker. 1,673,771; June 12.
- Heating furnace, Electric air-. W. Doherty. 1,688,270; Oct. 16.
- Heating furnace, Hot-air. J. Regan. 1,668,125; May 1.
- Heating furnace, Sheet-. J. W. Perry. 1,678,300; July 24.
- Heating furnace, Sheet and pair. F. W. Manker. 1,688,394 Oct. 23.
- Heating grease for cookers. C. A. Thomas. 1,659,415; Feb. 14.
- Heating. High-pressure. W. O. Durbin. 1,654,967; Jan. 3.
- Heating high-temperature apparatus. C. L. Burdick. 1,685,226; Sept. 25.

- Heating inclosures electrically. C. L. Burgher. 1,660,218; Feb. 21.
- Heating installations, Regulating device for central. E. J. and A. V. V. Lewinsky. 1,656,525; Jan. 17.
- Heating liquids, Apparatus for electrically. G. Baum. 1,685,210; Sept. 25.
- Heating liquids by electrical energy. G. Baum. 1,688,679; Oct. 23.
- Heating liquids by electrical energy, Apparatus for. G. Baum. 1,688,680; Oct. 23.
- Heating liquids by electrical energy for distillation, concentration, provocation of chemical reactions, etc. G. Baum. 1,685,266; Sept. 25.
- Heating means, High-frequency filament-. W. E. Danley. 1,677,021; July 10.
- Heating means, Roll-. G. Fox. 1,676,018; July 3.
- Heating means, Sheet-. L. D. Soubier. 1,673,892; June 19.
- Heating metal parts, Apparatus for electrically. R. E. Bissell. 1,691,562; Nov. 13.
- Heating method and apparatus. F. Puening. 1,687,142; Oct. 9.
- Heating oil wells, Apparatus for. P. V. Downey and C. H. Wendroff. 1,681,523; Aug. 21.
- Heating plug, Thermostatically-controlled. E. G. K. Anderson. 1,696,146; Dec. 18.
- Heating sheet material in preparation for folding, Apparatus for. G. Ritter. 1,677,492; July 17.
- Heating system. W. W. Brisson. 1,663,874; Mar. 27.
- Heating system. D. Dana. 1,694,001; Dec. 4.
- Heating system. F. J. Frenz. 1,691,435; Nov. 13.
- Heating system. A. F. McDowell. 1,674,213; June 19.
- Heating system. R. J. Pabodie. 1,664,317; Mar. 27.
- Heating system. P. Parker. 1,658,412; Feb. 7.
- Heating system. M. R. Plunkett. 1,694,080; Dec. 4.
- Heating system. M. Resek. 1,688,658; Oct. 23.
- Heating system, Automatically-controlled electric. E. L. Fonseca. 1,668,199; May 1.
- Heating system, Electric. W. W. Hicks and H. V. Mooney. 1,671,584; May 29.
- Heating system, Electric. L. P. Hynes. 1,680,379; Aug. 14.
- Heating system, Electric. L. A. Kempton. 1,683,196; Sept. 4.
- Heating system, Electrical. G. N. Madsen. 1,655,277; Jan. 3.
- Heating system, Feed-water. B. F. Madison and E. C. Krume. 1,684,965; Sept. 18.
- Heating system, Fireplace. T. Burley. 1,691,465; Nov. 13.
- Heating system for cars, Electric. B. O. Austin. 1,687,652; Oct. 16.
- Heating system for oil pipe lines, Electric. C. Setzefant. 1,661,683; Mar. 6.
- Heating system, Hot-air. L. Skelding. 1,684,044; Sept. 11.
- Heating system, Hot-water. W. W. Hudson. 1,661,368; Mar. 6.
- Heating system, Oil-burning. W. B. Eddison. 1,687,549; Oct. 16.
- Heating system, Steam. L. W. Carroll. 1,696,028; Dec. 18.
- Heating system, Steam. J. A. Donnelly. 1,681,725; Aug. 21.
- Heating system, Steam. H. E. Labour. 1,674,115; June 19.
- Heating system, Steam. E. Schultz. 1,654,759; Jan. 3.
- Heating system, Train-. J. A. Spencer. 1,681,911; Aug. 21.
- Heating system, Vehicle. A. F. Masury. 1,668,689; May 8.
- Heating system, Water-. W. H. Bendry. 1,659,717; Feb. 21.
- Heating system, Water-. F. F. Dale and I. W. Grace. 1,680,014; Aug. 7.
- Heating systems, Control mechanism for car-. D. W. Miller and P. B. Parks. 1,656,949; Jan. 24.
- Heating systems, Temperature-control device for. J. Ross. 1,674,800; June 26.
- Heating the ends of rock drills and the like, Electrically. B. D. Bushell, S. E. T. Ewing, and E. H. D. Brunner. 1,670,237; May 15.
- Heating the metallic parts of inclosed electrical devices, Inductively. A. Rava. 1,676,049; July 3.
- Heating the singing members of cylinder singing machines. W. Osthoff. 1,664,993; Apr. 3.
- Heating unit. C. C. Harpster and W. R. King. 1,667,857; May 1.
- Heating unit. W. E. Hudson. 1,694,173; Dec. 4.
- Heating unit. A. B. Modine. 1,666,907; Apr. 24.
- Heating unit. E. E. Sutherland and F. F. Forshee. 1,695,869; Dec. 18.
- Heating unit. J. C. Woodson. 1,680,404; Aug. 14.
- Heating unit and forming and assembling same, Electric. E. R. Case. 1,686,795; Oct. 9.
- Heating unit and making same. H. A. Ziola. 1,655,720; Jan. 10.
- Heating unit, Draw-table-. W. O. Amsler. 1,695,265; Dec. 18.
- Heating unit, Electric. A. J. Kercher. 1,680,621; Aug. 14.
- Heating unit, Electric. B. G. Tang. 1,674,488; June 19.
- Heating unit, Electric. J. C. Woodson. 1,677,313; July 17.
- Heating unit, Electric. J. C. Woodson. 1,686,059; Oct. 2.
- Heating unit for electric heaters. F. Yokel. Des. 76,654; Oct. 16.
- Heating unit for electrically-heated utensils. E. S. Preston. 1,681,951; Aug. 28.
- Heating unit, Incased. J. C. Woodson. 1,693,421; Nov. 27.
- Heating unit or element, Electric. A. Brown. 1,659,479; Feb. 14.
- Heating unit, Thermostatically-controlled. I. G. Thomas. 1,678,885; July 31.
- Heating unit, Water-. A. T. Johanson. 1,685,453; Sept. 25.
- Heating units, Air strainer for. W. J. Bacon. 1,660,666; Feb. 28.
- Heating value of flowing combustible fluid, Apparatus for determining and also indicating the total. E. X. Schmidt. 1,678,918; July 31.
- Heating value per unit volume of a flowing combustible mixture of fluids, Method of and apparatus for maintaining substantially constant the total. U. O. Hutton and E. X. Schmidt. 1,686,751; Oct. 9.
- Heating vessel, Electric. L. Reichold. 1,688,286; Oct. 16.
- Heating water, Apparatus for. G. H. Gibson. 1,671,110; May 29.
- Heating water, System for. J. E. Gannon. 1,692,646; Nov. 20.
- Heddle frame. J. J. Kaufman. 1,687,096-7; Oct. 9.
- Heddle frame. J. J. Kaufmann. 1,693,236; Nov. 27.
- Heddle frame. H. D. Woodson. 1,686,073; Oct. 2.
- Hedge trimmer. J. G. Himler. 1,679,421; Aug. 7.
- Heel. A. Cocozella. 1,691,149; Nov. 13.
- Heel. J. B. Hadaway. 1,676,262; July 10.
- Heel. F. A. Schultz. 1,679,272; July 31.
- Heel. G. E. Warren. 1,681,961; Aug. 28.
- Heel and arch support. H. H. Ahern. 1,693,424; Nov. 27.
- Heel-assembling machine. E. R. Pope. 1,664,639; Apr. 3.
- Heel-attaching mechanism. J. A. Kelly. 1,676,904; July 10.
- Heel base for shoes. C. O. Ryberg. 1,693,160; Nov. 27.
- Heel-beading machine. E. Erickson. 1,690,191; Nov. 6.
- Heel-blank-grooving machine. D. O. Marshall. 1,689,494; Oct. 30.
- Heel blanks, Preparing. R. S. Megathlin. 1,671,156; May 29.
- Heel blanks with washers and tool for use in same, Loading rubber. V. R. Lawson. 1,687,674; Oct. 16.
- Heel block and forming the same. N. L. Gulliford. 1,677,822; July 17.
- Heel-building machine. L. L. Hartwell. 1,669,982; May 15.
- Heel-building machine. W. E. Small. 1,689,459; Oct. 30.
- Heel clamp, Wood. J. E. Rousseau. 1,671,128; May 29.
- Heel, Composite. D. W. Bunker. 1,681,217; Aug. 21.
- Heel, Composite leather. M. B. Ketcham. 1,667,386; Apr. 24.
- Heel, Cushion. N. R. Lookerman. 1,657,804; Jan. 31.
- Heel-cutter guard, Shoe-. E. L. Keener. 1,696,716; Dec. 25.
- Heel, Detachable rubber. C. Hobert. 1,675,101; June 26.
- Heel, Detachable shoe. C. Hobert. 1,674,549; June 19.
- Heel-dropping machine. N. L. Gulliford. 1,685,743; Sept. 25.
- Heel for boots and shoes. C. Roberts. 1,686,397; Oct. 2.
- Heel for boots and shoes, Detachable. H. Asher. 1,685,871; Oct. 2.
- Heel for boots or shoes. P. H. Letchford. 1,666,603; Apr. 17.
- Heel for shoes, Rubber. G. H. Schmidt. 1,668,980; May 8.
- Heel guard and the like. J. Huss. 1,670,575; May 22.
- Heel, Interchangeable shoe. J. Hegedus. 1,673,452; June 12.
- Heel-lift-depositing mechanism. L. A. Holman. 1,689,487; Oct. 30.
- Heel linings, Making auxiliary. M. S. Silver. 1,696,129; Dec. 18.
- Heel machine, Wood-. W. J. Shaw. 1,686,773; Oct. 9.
- Heel mold. J. I. Haase. 1,673,505; June 12.
- Heel plate for shoes and the like. F. D. Walpole. 1,669,270; May 8.
- Heel press. E. E. Winkley. 1,683,115; Sept. 4.
- Heel, Replaceable. W. W. Rodgers. 1,660,092; Feb. 21.
- Heel-routing machine. P. J. Wentworth. 1,692,912; Nov. 27.
- Heel, Rubber. J. Celenko. 1,688,116; Oct. 16.
- Heel, Rubber. A. Costantino. Rel.6,881; Feb. 14.
- Heel, Rubber. E. Hoffman. 1,676,332; July 10.
- Heel, Rubber. M. Levy. 1,667,939; May 1.
- Heel, Rubber. H. G. Norwood. 1,690,696; Nov. 6.
- Heel, Rubber. J. Nugent. 1,687,684; Oct. 16.
- Heel-seat fitting and molding machine. J. A. Kelly. 1,685,363; Sept. 25.
- Heel-seat-fitting machine. W. C. Stewart. 1,661,391; Mar. 6.
- Heel-seat-fitting machine. E. A. Williams. 1,662,259; Mar. 13.
- Heel-setting device, Shoe-. O. A. Benjamin. 1,656,094; Jan. 10.
- Heel, Shoe. A. B. Crosthwait. 1,675,256; June 26.
- Heel, Shoe. R. Fulli. 1,681,934; Aug. 28.
- Heel, Shoe. J. B. Hadaway. Des. 74,246; Jan. 10.
- Heel, Shoe. L. M. Oakley. Des. 77,025; Nov. 27.
- Heel, Shoe. B. R. Ryan. 1,676,928; July 10.
- Heel stop and cushion, Combination. L. S. McCormick. 1,674,687; June 26.
- Heel-turning machine. G. Clausing. 1,694,465; Dec. 11.

- Heel-turning machine, Wood. W. W. Bradbury. 1,661,320; Mar. 6.
- Heels, Attaching. J. H. Pope. 1,677,292; July 17.
- Heels, Composite elastic top lift for shoe. M. Rudman. 1,696,173; Dec. 18.
- Heels, Concaving. G. Clausing. 1,663,038; Mar. 20.
- Heels, Concaving. H. G. Clausing. 1,670,568; May 22.
- Heels to shoes, Attaching rubber. R. Conticchio. 1,656,096; Jan. 10.
- Heels, Trimming unattached. L. S. Macdonald. 1,687,576; Oct. 16.
- Height gauge. A. Pripitnevich. 1,655,239; Jan. 3.
- Heilmann and like combers, Actuating the cushion plate in. C. Gégauff. 1,668,498; May 1.
- Helical spring, Interlocked. L. D. Pittoni. 1,659,332; Feb. 14.
- Helicoid, Abrasive. C. G. Olson. 1,670,479; May 22.
- Helicopter. E. L. Crespo. 1,660,257; Feb. 21.
- Helicopter. C. Davis. 1,668,052; May 1.
- Helicopter. V. Isacco and V. Andres. 1,669,758; May 15.
- Helicopter. H. A. Shuman. 1,666,315; Apr. 17.
- Helicopter. H. C. Stewart. 1,681,019; Aug. 14.
- Helicopter. R. Tarshis. 1,681,067; Aug. 14.
- Helicopter, R. Wagner. 1,692,397; Nov. 20.
- Helicopter, Dirigible. Y. H. Koun. 1,658,290; Feb. 7.
- Helicopter, Soaring. A. Rudy. 1,680,175; Aug. 7.
- Helium from natural gas, Production of. P. E. Haynes. 1,664,412; Apr. 3.
- Helmet. R. C. Le Van. 1,691,202; Nov. 13.
- Helmet and goggles, Adjustable. H. E. Chambers. 1,678,208; July 24.
- Helmet, Communicating. H. R. Hart. 1,656,914; Jan. 24.
- Helmet, Football. J. B. Rogers. 1,669,914; May 15.
- Hemstitched fabric, Artificially-. F. Tausend. 1,681,827; Aug. 21.
- Hemstitcher. B. F. Gilbert. 1,681,228; Aug. 21.
- Herbicide. G. E. Bensel. 1,657,062; Jan. 24.
- Hide and leather working machine. J. A. Wheeler, jr., and R. F. Whitney. 1,658,506; Feb. 7.
- Hide setting-out and oiling machine. K. W. Koeniger. 1,695,963; Dec. 18.
- Hides and skins, Composition of matter for treating. H. Dodge. 1,680,136; Aug. 7.
- Hides and skins, Treatment for. H. Dodge. 1,663,401; Mar. 20.
- Hides, Apparatus for and method of tanning. M. M. Merritt. 1,668,652; May 8.
- Hides or skins, Treating. H. Dodge. 1,659,520; Feb. 14.
- Hides, Slicking. W. C. Wright. 1,660,022-3; Feb. 21.
- High and nursery chair, Combined. J. G. Bastian. Des. 76,115; Aug. 21.
- High chair and cot, Combined baby's. A. T. Gooding. 1,684,053; Sept. 11.
- High chair, Child's. P. A. Shaver. Des. 77,279; Dec. 18.
- High-finish sheets, Making. B. R. Shover. 1,656,892; Jan. 17.
- High-frequency alternator. M. Latour. 1,658,488; Feb. 7.
- High-frequency apparatus. W. L. Carlson. 1,680,086; Aug. 7.
- High-frequency apparatus. F. Gutzmann. 1,680,783; Aug. 14.
- High-frequency furnace. H. C. Rentschler and J. W. Marden. 1,676,926; July 10.
- High-frequency modulating system. H. C. Silent. 1,662,081; Mar. 13.
- High-tension installation. A. O. Austin. 1,664,100; Mar. 27.
- High-tension installation. A. O. Austin. 1,691,329; Nov. 13.
- High-voltage switch. W. R. Huttinger. 1,685,066-7; Sept. 18.
- Highway crossing. C. A. Skultin. 1,689,161; Oct. 23.
- Highway marker. J. R. Truxal. 1,661,242; Mar. 6.
- Highway post. H. Barkschat. Des. 75,322; May 29.
- Highway signal. M. P. Taylor. Des. 74,399; Feb. 7.
- Hinge. C. E. Anderson. 1,668,137; May 1.
- Hinge. L. W. Block. 1,683,814; Sept. 11.
- Hinge. W. L. Clark. 1,681,974; Aug. 28.
- Hinge. E. G. Covell. 1,689,664; Oct. 30.
- Hinge. B. R. Crampton. 1,667,102; Apr. 24.
- Hinge. E. R. Deshon. 1,661,113; Feb. 28.
- Hinge. E. Flagg. 1,675,262; June 26.
- Hinge. J. Friedman. 1,676,541; July 10.
- Hinge. C. Geske. 1,692,032; Nov. 20.
- Hinge. G. S. Henritzy. 1,657,211; Jan. 24.
- Hinge. W. C. Horner. 1,660,266; Feb. 21.
- Hinge. G. A. Jacobs. 1,668,806; May 1.
- Hinge. L. H. Lehman. 1,672,418; June 5.
- Hinge. W. A. Matheson. 1,694,885; Dec. 11.
- Hinge. A. C. Mayers. 1,658,386; Feb. 7.
- Hinge. S. F. and H. S. Mountford. 1,687,174; Oct. 9.
- Hinge. D. J. Murnane. 1,675,573; July 3.
- Hinge. C. S. Owens. 1,693,526; Nov. 27.
- Hinge. U. G. Peterson. 1,693,992; Dec. 4.
- Hinge. C. R. Short. 1,682,993; Sept. 4.
- Hinge. J. Soss. 1,655,716; Jan. 10.
- Hinge. J. Soss. 1,693,004; Nov. 27.
- Hinge. A. N. Walstad. 1,676,589; July 10.
- Hinge. A. F. Winters and B. R. Crampton. Des. 75,537; June 12.
- Hinge. W. B. Young. 1,693,169; Nov. 27.
- Hinge and check, Double-acting. H. E. Hubbs and L. D. Malone. 1,666,903; Apr. 24.
- Hinge and compact holder for vanity cases. W. G. Kendall. 1,690,017; Oct. 30.
- Hinge and jamb construction, Weatherproof concealed. J. Kubelka. 1,684,323; Sept. 11.
- Hinge and support, Door. A. S. Parkin. 1,677,843; July 17.
- Hinge, Automobile seat. F. Leutz. 1,696,685; Dec. 25.
- Hinge, Can-cover. F. G. Davidson. 1,686,736; Oct. 9.
- Hinge, Chain-link. W. H. Smyth. 1,656,610; Jan. 17.
- Hinge, Concealed. J. Soss. 1,688,996; Oct. 23.
- Hinge connection for sectional doors. P. M. Townsend. 1,659,928; Feb. 21.
- Hinge construction. J. J. Murphy. 1,657,837; Jan. 31.
- Hinge construction. P. S. Sinclair. 1,671,938; May 29.
- Hinge construction for gates and the like. N. A. Thompson. 1,673,304; June 12.
- Hinge construction for toilet seats and covers. E. L. Lowe. 1,673,915; June 19.
- Hinge, Control. S. B. Zimmer. 1,670,921; May 22.
- Hinge, Door. F. G. Garrett. 1,672,520; June 5.
- Hinge, Double-acting door. D. W. Blackwell. 1,655,043; Jan. 3.
- Hinge, Dustproof. M. Tucker. 1,683,272; Sept. 4.
- Hinge for an eyeglass frame. J. J. Pomeranz. Des. 76,415; Sept. 25.
- Hinge for casement windows. R. W. Hope. 1,688,235; Oct. 16.
- Hinge for jewelry. G. Candas. 1,692,434; Nov. 20.
- Hinge for pulp screens, Spring. G. Reynolds. 1,689,687; Oct. 30.
- Hinge for toilet seats, Spring. B. C. Booth. 1,681,277; Aug. 21.
- Hinge for water-closet seats and covers. W. J. Hess. 1,676,900; July 10.
- Hinge, Gate. L. A. Hawthorne. 1,694,914; Dec. 11.
- Hinge, Gravitating. E. Fischer. 1,691,759; Nov. 13.
- Hinge, Invisible. J. Soss. 1,682,860; Sept. 4.
- Hinge, Invisible. J. Soss. 1,687,271; Oct. 9.
- Hinge last. W. W. Slack. 1,668,611; May 8.
- Hinge means for casement windows. J. L. C. Heinz. 1,678,512; July 24.
- Hinge mounting for cabinet doors. W. H. Packer. 1,696,123; Dec. 18.
- Hinge, Pivot. A. C. Goddard. 1,695,235; Dec. 11.
- Hinge, Shelf and rack door. W. N. Vance. 1,659,305; Feb. 14.
- Hinge-spacing gauge head. W. C. Starbuck. 1,680,575; Aug. 14.
- Hinge, Spring. E. Bommer. 1,691,697; Nov. 13.
- Hinge, Spring. A. E. Hyland. 1,688,930; Oct. 23.
- Hinge strap or similar article. C. E. Horton. Des. 77,093-4; Dec. 4.
- Hinge structure. E. A. Regan. 1,660,657; Feb. 28.
- Hinge, Toilet-seat. J. W. Bishop. 1,679,202; July 31.
- Hinge, Toilet-seat. P. A. Johnson. 1,685,088; Sept. 25.
- Hinge, Wall-cabinet. D. J. Murnane. 1,667,010; Apr. 24.
- Hinge, Weatherproof. V. J. Matranga. 1,685,002; Sept. 18.
- Hinge, Windshield. H. G. Kellogg. 1,666,211; Apr. 17.
- Hinged connection. J. C. Fuller. 1,681,032; Aug. 14.
- Hinged joint. A. J. Cooper and A. A. H. Binney. 1,691,468; Nov. 13.
- Hinged support. R. I. Kautz. 1,658,291; Feb. 7.
- Hinges in metal boxes and box parts, Apparatus for forming and securing wire. W. G. Huxtable and R. E. Gold. 1,670,198; May 15.
- Hinges, Making. J. Soss. 1,670,170; May 15.
- Hinges, Manufacturing covered-joint. J. T. Atwood. 1,671,962; June 5.
- Hinges, Manufacturing covered-joint. W. C. Kenyon. 1,695,288; Dec. 18.
- Hitch, Binder. J. J., N. S., and M. Saenger. 1,672,428; June 5.
- Hitch device. W. L. Paul. 1,675,461; July 3.
- Hitch for engine lifters. J. F. Farmer. 1,689,170; Oct. 23.
- Hitch for lawn mowers. S. W. Shaw. 1,669,787; May 15.
- Hitch, Four-horse. S. W. Cady. 1,667,372; Apr. 24.
- Hitch or clevis structure. H. E. Altgelt. 1,655,351; Jan. 3.
- Hitch, Tractor. L. A. Basler. 1,691,560; Nov. 13.
- Hitch, Wagon-tractor. J. H. Serher. 1,693,673; Dec. 4.
- Hitching device, Draft. J. T. Doolan. 1,663,246; Mar. 20.
- Hob. N. Trbojevich. 1,689,566; Oct. 30.
- Hobber with quickly-demountable arbor support. W. F. Zimmermann. 1,687,921; Oct. 16.
- Hobbing machine. C. H. Schurr. 1,676,873; July 10.
- Hobbyhorse. E. R. Witherell and J. J. Clark. 1,675,399; July 3.
- Hobbyhorse and the like. F. J. Catterlin and E. B. Spencer. 1,668,190; May 1.
- Hobs, Forming. E. Wildhaber. 1,659,226; Feb. 14.
- Hobs, Forming. E. Wildhaber. 1,669,887; May 15.
- Hockey-stick-end buffer. W. E. Root. 1,687,736; Oct. 16.
- Hoe. C. N. Dome. 1,659,944; Feb. 21.
- Hoe and rake, Combined. E. Urban. 1,665,133; Apr. 3.
- Hoe arrangement. H. W. Bolens, G. T. Strite, and C. J. Travers. 1,655,044; Jan. 3.
- Hoe, Garden. W. P. McMillan. 1,663,716; Mar. 27.
- Hoe, Mechanical. F. Decoteau. 1,672,753; June 5.
- Hoe weeder. A. J. Hayden. 1,684,444; Sept. 18.
- Hoe, Weeding. G. H. Miller. 1,687,986; Oct. 16.
- Hoeling machine. M. Pfarr. 1,671,311; May 29.

- Hog catcher. J. H. Pocha. 1,659,701; Feb. 21.
 Hog holder. H. Blaser. 1,661,064; Feb. 28.
 Hog ring. W. H. Thompson. 1,673,129; June 12.
 Hog waterer. F. Cronenberger and J. Noyes. 1,655,674; Jan. 10.
 Hoist. C. H. Homan. 1,684,988; Sept. 18.
 Hoist. R. C. Osgood. 1,668,284; May 1.
 Hoist. N. M. Rosendahl. 1,661,307; Mar. 6.
 Hoist. E. A. Thielens. 1,684,608-7; Sept. 18.
 Hoist. T. and G. Ulmer. 1,691,685; Nov. 13.
 Hoist, Anchor. I. N. Stensland. 1,661,275; Mar. 6.
 Hoist and coupler, Trailer. W. Mayer. Re'l'124; Nov. 6.
 Hoist, Autotruck mechanical dumper. W. N. Birney. 1,665,340; Apr. 10.
 Hoist, Chain. S. H. Norton. 1,686,496; Oct. 2.
 Hoist controller. A. E. Johnson. 1,677,108; July 10.
 Hoist, Double-drum. E. B. Lear. 1,657,165; Jan. 24.
 Hoist, Double-dump skip. W. E. Hale. 1,673,911; June 19.
 Hoist, Dumping-body. E. L. Wood. 1,680,834; Aug. 14.
 Hoist, Electric. G. E. Moore. 1,670,734; May 22.
 Hoist, Hydraulic. J. E. Sederholm. 1,690,181; Nov. 6.
 Hoist, Hydraulic dumping-body. E. R. Barrett. 1,694,909; Dec. 11.
 Hoist limit stop mechanism, Adjustable. A. E. Wein-gartner. 1,670,918; May 22.
 Hoist mechanism. B. F. Fitch. 1,674,100; June 19.
 Hoist system, Skip-. W. P. Alexander. 1,671,215; May 29.
 Hoist-trolley frame. W. G. Wehr. 1,695,623; Dec. 18.
 Hoist, Truck-body. A. E. Hansen. 1,668,203; May 1.
 Hoisting and supporting bracket. C. L. Maitland. 1,672,332; June 5.
 Hoisting and weighing means. H. F. Ruggles. 1,687,894; Oct. 16.
 Hoisting apparatus. C. K. Ernst. 1,675,098; June 26.
 Hoisting apparatus. J. Newmann. 1,676,344; July 10.
 Hoisting apparatus. A. E. Norris. 1,671,681; May 29.
 Hoisting apparatus. W. Ober and C. F. Eakins. 1,662,324; Mar. 13.
 Hoisting apparatus. O. H. Schuh. 1,688,507; Oct. 23.
 Hoisting apparatus. H. R. Smith and P. D. Case. 1,688,061; Oct. 16.
 Hoisting apparatus. V. H. Volland. 1,670,556; May 22.
 Hoisting apparatus. C. Zetterlund. 1,688,170; Oct. 16.
 Hoisting block. J. W. Kittredge. 1,684,185; Sept. 11.
 Hoisting device, Automobile. R. Rother. 1,677,297; July 17.
 Hoisting device, Safety. D. J. Sullivan. 1,682,439; Aug. 28.
 Hoisting drum. R. W. Woodbury. 1,690,151; Nov. 6.
 Hoisting engine, Automotive. C. H. Sheasley. 1,683,734; Sept. 11.
 Hoisting hook. E. E. Stevenson. 1,667,957; May 1.
 Hoisting jack. C. A. Dutro. 1,661,791; Mar. 6.
 Hoisting machine. F. J. Lederer. 1,676,449; July 10.
 Hoisting mechanism. E. C. Healy. 1,683,463; Sept. 4.
 Hoisting mechanism. M. P. Holmes. 1,686,971; Oct. 9.
 Hoisting mechanism. R. C. Osgood. 1,660,761; Feb. 28.
 Hoisting mechanism and control therefor. J. G. Forster. 1,667,931; May 1.
 Hoisting mechanism for dumping trucks. J. and L. Coder. 1,679,075; July 31.
 Hoisting slings, Attachment for. L. R. Miller. 1,662,713; Mar. 13.
 Hoists, moving staircases, and the like, Driving mechanism for. F. Holtschmit. 1,670,661; May 22.
 Holder. F. Berry. 1,663,366; Mar. 20.
 Holder. A. S. Dobbs. 1,684,347; Sept. 11.
 Holder. J. O. Howard. 1,676,032; July 3.
 Holder. E. I. Howell. 1,691,155; Nov. 13.
 Holder. W. A. Lacy. 1,686,526; Oct. 9.
 Holder. V. Niznansky. 1,655,330; Jan. 3.
 Holder. J. K. Richie. 1,681,785; Aug. 21.
 Holder. H. L. Snyder. 1,658,744; Feb. 7.
 Holder. H. T. Wilson. 1,695,166; Dec. 11.
 Holder, adjustable. D. Forbes. 1,692,337; Nov. 20.
 Holder, Adjustable cigar and cigarette. M. Alland. 1,692,971; Nov. 27.
 Holder, Adjustable die. J. J. Boax. 1,678,000; July 24.
 Holder, Adjustable lamp. A. R. Martin. 1,688,148; Oct. 16.
 Holder, Advertisement. F. and M. M. de la Cuesta, J. Parapar, and S. Fals. 1,678,691; July 31.
 Holder, Advertisement. J. A. Redman. 1,682,093; Aug. 28.
 Holder and ash receiver, Combined match. R. Archer, sr. 1,668,622; May 8.
 Holder and cutter, Thread. W. L. Rathjen. 1,683,803; Sept. 11.
 Holder and mirror, Combination toilet-paper. S. Beggs. Des. 76,451; Oct. 2.
 Holder and pipe, Combination cigarette. W. Walker. 1,678,754; July 31.
 Holder and ruler, Pad. R. E. Hooper. 1,679,084; July 31.
 Holder and sheets therefor, Record-sheet. W. A. Ringler. 1,695,699; Dec. 18.
 Holder, Article. C. N. Coryell. 1,678,282; July 24.
 Holder, Automobile key and license. E. H. C. Thomas. 1,693,006; Nov. 27.
 Holder, Automobile license-certificate. O. E. Abbey. 1,683,645; Sept. 11.
 Holder, Automobile license-certificate. O. E. Abbey. 1,695,941; Dec. 18.
 Holder, Automobile license-plate. G. J. Lapierre and T. A. Gilligan. 1,696,804; Dec. 25.
 Holder, Aseptic-needle. H. S. Cook. 1,694,768; Dec. 11.
 Holder, Bag. W. B. Hebbard. 1,692,443; Nov. 20.
 Holder, Bag. G. W. Morden and M. Weber. 1,696,551; Dec. 25.
 Holder, Bag. K. M. Riddle. 1,695,027; Dec. 11.
 Holder, Billiard-cue-tip. C. Darmis. 1,694,375; Dec. 11.
 Holder, Billiard-cue-tip. R. E. Marley. 1,693,037; Nov. 27.
 Holder, Blotter. F. C. Partell. 1,692,384; Nov. 20.
 Holder, Book. J. W. Gearhart. 1,692,727; Nov. 20.
 Holder, Broom. A. J. Webb. 1,674,581; June 19.
 Holder, Brush. H. C. Specht. 1,695,865; Dec. 18.
 Holder, Brush. M. J. Stanton. 1,693,322; Nov. 27.
 Holder, Burner. H. F. Brown. 1,692,924-5; Nov. 27.
 Holder, Carbide-lamp. C. Henneck. 1,688,234; Oct. 16.
 Holder, Card. M. Garbell. 1,695,278; Dec. 18.
 Holder, Chalk. M. Suzuki. 1,674,808; June 26.
 Holder, Check board and pencil. R. W. Kohler. 1,681,862; Aug. 21.
 Holder, Checkers' pad. J. H. Menasco. 1,677,977; July 24.
 Holder, Cigar and cigarette. R. L. Whitsel. 1,685,182; Sept. 25.
 Holder, Cigarette. C. M. Bellak. 1,684,005; Sept. 11.
 Holder, Cigarette. E. Eksbergian and W. Wallenthin. 1,679,209; July 31.
 Holder, Cigarette. M. Straus. Des. 76,717; Oct. 23.
 Holder, Cigarette-package. M. J. Mangan. 1,685,765; Sept. 25.
 Holder, Clothes-hanger. A. L. Chubb. 1,686,125; Oct. 2.
 Holder, Clothesline. J. W. Proctor. 1,696,056; Dec. 18.
 Holder, Coffee-sack. S. Rickles. 1,681,786; Aug. 21.
 Holder, Collapsible tube. H. M. Greist. 1,692,116; Nov. 20.
 Holder, Combination article. J. Skultety. 1,671,555; May 29.
 Holder, Combination fountain pen and cigarette. U. Piagneri. 1,694,603; Dec. 11.
 Holder, Combined button and license-paper. H. E. Butler. 1,694,310; Dec. 4.
 Holder, Combined collar and necktie. W. Polgar. 1,686,986; Oct. 9.
 Holder, Combined license and number plate. E. A. Gates. Des. 76,530; Oct. 9.
 Holder, Combined toothpick and dental floss. E. T. Lutz. Des. 76,490; Oct. 2.
 Holder, Combined wash rag and soap. H. T. Forbis. 1,681,031; Aug. 14.
 Holder, Compound condiment. M. Costello. 1,676,635; July 10.
 Holder, Condiment. E. E. Slick. Des. 76,163; Aug. 21.
 Holder, Condiment. W. T. Williams. 1,674,233; June 19.
 Holder, Contact. J. T. Jannette. 1,665,550; Apr. 10.
 Holder, Contact-screen. C. W. Davis and G. B. Taylor. 1,696,528; Dec. 25.
 Holder, Cosmetic-pad. W. G. Kendall. 1,694,325; Dec. 4.
 Holder, Cover. G. A. Selvig. 1,682,805; Sept. 4.
 Holder, Cream-can-cover. D. J. Lassie. 1,688,465; Oct. 23.
 Holder, Curtain-rod and shade. E. E. Moore. 1,693,312; Nov. 27.
 Holder, Dental tool. H. E. S. Chayes and A. P. Jurgensen. 1,688,136; Oct. 16.
 Holder, Dish. G. H. Carter. Des. 76,377; Sept. 25.
 Holder, Door. J. R. Clover. 1,689,621; Oct. 30.
 Holder, Display. R. Scoggins. 1,673,595; June 12.
 Holder, Display-card. F. M. Kessler. 1,681,586; Aug. 21.
 Holder, Display-card. A. M. Ray. 1,681,595; Aug. 21.
 Holder, Display tool. T. J. Fegley and G. O. Leopold. 1,681,107; Aug. 14.
 Holder, Egg. H. H. Weber. 1,686,997; Oct. 9.
 Holder, Electric-lamp. J. W. Wyatt. 1,683,514; Sept. 4.
 Holder, Electrode. J. Dion. 1,677,712; July 17.
 Holder, Electrode. A. C. James. 1,682,523; Aug. 28.
 Holder, Eyeglass. J. S. Herzon. 1,686,002; Oct. 2.
 Holder, File. W. M. Hower. 1,691,808; Nov. 13.
 Holder, Filling-tab. L. Kingsley. 1,686,212; Oct. 2.
 Holder, Film. G. L. Chanier. 1,686,650; Oct. 9.
 Holder, Fishline. F. M. Tipil. 1,676,119; July 3.
 Holder, Flower. R. G. Cowan. Des. 75,477; June 12.
 Holder, Flower. R. E. Denman. 1,693,372; Nov. 27.
 Holder, Flower. F. J. Quick. 1,685,056; Sept. 18.
 Holder, Flowerpot. E. Danz. Des. 77,225; Dec. 18.
 Holder, Flowerpot. H. P. Hanson. 1,693,896; Dec. 4.
 Holder, Flowerpot. C. Maier. 1,678,988; July 31.
 Holder, Flowerpot. J. J. Paull. Des. 76,321; Sept. 11.
 Holder, Flowerpot. I. G. Scott and M. C. Fox. Des. 76,825; Nov. 6.
 Holder, Flowerpot. L. A. Wilkie. 1,676,124; July 3.
 Holder, Flower-vase. E. D. Anson. Des. 77,280; Dec. 25.
 Holder, Foldable milking-pail. E. O. Gulseth. 1,687,242; Oct. 9.
 Holder, Folding tree. A. Keppens. 1,680,050; Aug. 7.
 Holder for a fountain pen or the like. H. B. Quain. Des. 74,802; Mar. 27.
 Holder for arc-lamp carbons. F. Meyer. 1,696,777; Dec. 25.
 Holder for brushes, Soap. V. F. Creegan. 1,671,348; May 29.
 Holder for dentifrice-container tubes. G. T. Gale. 1,695,185; Dec. 11.
 Holder for dentists' drilling instruments. H. Stark. 1,674,486; June 19.
 Holder for electric generators or motors, Brush. R. G. Lafite. 1,694,709; Dec. 11.

- Holder for film cameras, Spool. L. Goldhammer. 1,678,430; July 24.
- Holder for flat films with clamping devices for the edges of the films. O. Becker. 1,672,925; June 12.
- Holder for floor polishers, Brush. L. N. Gillis. 1,693,919; Dec. 4.
- Holder for glasses. S. W. Farber. Des. 74,598-9; Mar. 6.
- Holder for glasses. S. W. Farber. Des. 74,731; Mar. 20.
- Holder for glasses. S. W. Farber. Des. 74,973; Apr. 24.
- Holder for glassware, etc. E. J. Kiefer. 1,688,424; Oct. 23.
- Holder for golf clubs. W. F. Reach. 1,678,353; July 24.
- Holder for golf courses, Flagpole. G. E. Kannemann. 1,676,954; July 10.
- Holder for gummed-tape-serving machines, Roll. W. A. Utz, sr. 1,693,877; Dec. 4.
- Holder for ice-cream boxes and the like. F. A. Reardon. Des. 76,551; Oct. 9.
- Holder for lamp shades. H. C. Noe. 1,671,483; May 29.
- Holder for ledger sheets. J. C. Carpenter. 1,683,264; Oct. 16.
- Holder for lighting fixtures, Screwless. E. F. Guth. 1,693,232; Nov. 27.
- Holder for long-stem flowers. B. S. Tonnesen. 1,664,436; Apr. 3.
- Holder for manicure preparations and the like. W. Meyer. 1,663,021; Mar. 20.
- Holder for manicure preparations and the like. W. Meyer. 1,665,788; Apr. 10.
- Holder for mops. W. T. Whitaker. 1,677,741; July 17.
- Holder for mops or brooms. R. C. Tartar. 1,693,413; Nov. 27.
- Holder for nursing bottles. M. Veras. 1,688,765; Oct. 23.
- Holder for nursing bottles or other vessels. M. J. Jaffe and J. Chankin. 1,662,518; Mar. 13.
- Holder for optical lenses. C. C. Clark. 1,683,712; Sept. 11.
- Holder for paper rolls. J. A. Hoegger. 1,665,738; Apr. 10.
- Holder for photographs, cards, plates, or similar articles. H. P. Fest. 1,683,880; Sept. 11.
- Holder for razor blades and paper, Combination. H. B. Sherman and D. P. Ordway. 1,679,231; July 31.
- Holder for receptacles. E. R. Owen. 1,695,739; Dec. 18.
- Holder for registration certificates and the like. L. Green. 1,660,872; Feb. 28.
- Holder for shipping boxes, Shade. R. Fair. 1,693,199; Nov. 27.
- Holder for shoes. G. G. Rona. 1,663,388; Mar. 20.
- Holder for shoes, Removable buckle. L. W. Gordon. 1,689,240; Oct. 30.
- Holder for sinks, Dishpan. J. R. Jewett, jr. 1,685,233; Sept. 25.
- Holder for soap. G. Kupferschmid. 1,689,787; Oct. 30.
- Holder for socket-wrench sets. E. S. Miller and F. A. Haist. 1,671,159; May 29.
- Holder for socket-wrench sets. E. S. Miller and F. A. Haist. 1,696,444; Dec. 25.
- Holder for talking machines, Record. W. K. Kauffman. 1,683,469; Sept. 4.
- Holder for talking machines, Record. P. D. Bodwell and H. W. Bellows. 1,683,440; Sept. 4.
- Holder for metal planers, Tool. C. G. Johannesmeyer and A. R. McCann. 1,681,408; Aug. 21.
- Holder for teapots and other containers. L. J. Rousselot. 1,680,637; Aug. 14.
- Holder for trees and the like. J. G. Vuozzo. 1,662,091; Mar. 13.
- Holder for watch and clock movements. R. M. Overlander, jr. and E. W. Overlander. Des. 76,036; Aug. 14.
- Holder for welding. Work. W. H. d'Ardenne, J. O. Landis, and L. H. Christensen. 1,683,762; Sept. 11.
- Holder for windshield wipers. H. White, jr. 1,687,412; Oct. 9.
- Holder, Gas. G. T. Horton. 1,688,868; Oct. 23.
- Holder, Globe. H. L. Johnston. 1,689,832; Oct. 30.
- Holder, Golf-bag. E. A. De Noya. 1,683,169; Sept. 4.
- Holder, Greeting-card storing and displaying. C. Spaulding. 1,683,622; Dec. 4.
- Holder, Gum-stick. A. L. Jackson. 1,666,095; Apr. 17.
- Holder, Hat. F. Loyer and M. Gosselin. 1,693,341; Nov. 27.
- Holder, Hydraulic blank. W. Ferris. 1,696,140-1; Dec. 18.
- Holder, Ice-cream. P. Kinnear. 1,678,436; July 24.
- Holder, Identity card. A. Wilden. 1,682,259; Aug. 28.
- Holder, Identifying ribbon or check. A. C. Forte. 1,692,643; Nov. 20.
- Holder, Iron. F. E. Bowman and G. F. Cameron. 1,696,518; Dec. 25.
- Holder, Iron. C. L. Cameron. 1,669,858; May 15.
- Holder, Jar. P. Ermatinger. 1,672,311; June 5.
- Holder, Key-ring. R. F. Menke. 1,678,016; July 24.
- Holder, Key-ring. E. Spraul. 1,679,588; Aug. 7.
- Holder, Lamp. G. S. Clark. 1,677,072; July 10.
- Holder, Lamp-shade-frame. K. C. Berger. 1,695,223; Dec. 11.
- Holder, Level-vial. P. H. Vogel. 1,689,982; Oct. 30.
- Holder, License G. Tafelski. 1,689,088; Oct. 23.
- Holder, License-plate. W. H. Rex. 1,692,469; Nov. 20.
- Holder, License-plate. E. L. Shelton. 1,694,832; Dec. 11.
- Holder, Line. H. E. Manofsky. 1,678,344; July 24.
- Holder, Lip-stick. A. H. Noble. 1,685,768-9; Sept. 25.
- Holder, Lip-stick. R. W. Wilson. 1,680,755; Aug. 14.
- Holder, Liquid. G. T. Keeler. 1,693,146; Nov. 27.
- Holder, Magazine and book. C. R. Snow and D. J. Flood. 1,693,529; Nov. 27.
- Holder, Map. H. W. Prettyman. 1,684,682; Sept. 18.
- Holder, Match-box. C. R. Krone. 1,671,296; May 29.
- Holder, Match-box. C. March. 1,681,865; Aug. 21.
- Holder, Match-box. R. M. Ostrander. 1,681,710; Aug. 21.
- Holder, Material. K. E. Anderson. 1,683,279; Sept. 4.
- Holder, Material. S. McMullan. 1,687,579; Oct. 16.
- Holder, Meat. D. S. Gordon. 1,669,980; May 15.
- Holder, Menu-card. R. O. Harding. 1,692,038; Nov. 20.
- Holder, Milk-bottle. R. C. Bacon. 1,694,729; Dec. 11.
- Holder, Mop. W. Hertzberg. 1,687,769; Oct. 16.
- Holder, Multiple-magazine. J. A. Smith. 1,672,580; June 5.
- Holder, Nail. I. N. Williams. 1,688,445; Oct. 23.
- Holder, Napkin. J. W. King. Des. 76,874; Nov. 13.
- Holder, Necktie. N. Henninger. 1,687,129; Oct. 9.
- Holder, Necktie. R. E. Perrin. 1,680,432; Aug. 14.
- Holder, Neckwear. L. Stoltenberg. 1,693,826; Dec. 4.
- Holder, Novelty. I. M. Foster. 1,677,820; July 17.
- Holder, Nursing-bottle. M. S. Sullivan. 1,692,098; Nov. 20.
- Holder or fixture for use in cutting cams, Work. R. Bishop. 1,673,489; June 12.
- Holder or similar article, Cigarette. M. Straus. Des. 76,718; Oct. 23.
- Holder or similar article, Pipe. M. Straus. Des. 76,716; Oct. 23.
- Holder, Pad. G. M. Porter. 1,675,821; July 3.
- Holder, Paint-can. A. G. Allen. 1,693,772; Dec. 4.
- Holder, Paper. J. A. Hoegger. 1,665,739; Apr. 10.
- Holder, Paper. A. I. McCall. 1,686,458; Oct. 2.
- Holder, Paper-napkin. H. L. Samson. 1,684,517; Sept. 18.
- Holder, Paper-roll. L. S. Harvey. 1,674,285; June 19.
- Holder, Paste-tube. W. A. Behrens. 1,691,457; Nov. 13.
- Holder, Pencil. F. L. Morgan. Des. 75,744-5; July 10.
- Holder, Periodical. K. Schachter. 1,695,297; Dec. 18.
- Holder, Pipe. E. Caldwell. 1,695,533; Dec. 18.
- Holder, Playing-card. H. J. Sander and A. J. Breister. 1,696,647; Dec. 25.
- Holder, Portable soap. V. F. Creegan. 1,675,022; June 26.
- Holder, Postage-stamp. G. W. Casteel. 1,686,959; Oct. 9.
- Holder, Print or film. M. F. Dean. 1,685,584; Sept. 25.
- Holder, Printing-form. L. H. Morse. 1,669,909; May 15.
- Holder, Printing-plate. E. E. Thiel. 1,680,959; Aug. 14.
- Holder, Radio mast. E. Ingham. 1,693,298; Nov. 27.
- Holder, Razor-blade. C. A. Clark. 1,685,703; Sept. 25.
- Holder, Razor-blade. W. J. White. 1,683,853; Sept. 11.
- Holder, Record. W. B. Frankenstein. 1,682,272; Aug. 28.
- Holder, Retaining-valve. F. H. Pietzsch and S. H. Capbell. 1,691,784; Nov. 13.
- Holder, Roll. J. R. Worthington. 1,687,819; Oct. 16.
- Holder, Roll-material. E. D. Casterline. 1,676,854; July 10.
- Holder, Rope. C. L. Simon. 1,682,994; Sept. 4.
- Holder, Sack. W. H. Nicholas. 1,694,079; Dec. 4.
- Holder, Safety-razor-blade. G. F. Heffebower. 1,684,830; Sept. 18.
- Holder, Sales-check. E. K. Bottle. 1,676,726; July 10.
- Holder, Sandpaper. C. F. White. 1,691,418; Nov. 13.
- Holder, Sanitary cigarette. J. Anchor. 1,671,960; June 5.
- Holder, Sanitary-napkin. L. Z. Nelson. 1,695,153; Dec. 11.
- Holder, Sanitary toothpick. F. Q. Slay. 1,691,831; Nov. 13.
- Holder, Scarf. E. Strassel. 1,692,002; Nov. 20.
- Holder, Score-pad. J. Gordon. Des. 76,793; Nov. 6.
- Holder, Screwless globe. G. Ainsworth. 1,680,719; Aug. 14.
- Holder, Shade. M. Luckiesch, H. C. Doane, and A. Miller. 1,682,918; Sept. 4.
- Holder, Shade. F. Wening. 1,694,047; Dec. 4.
- Holder, Shaving-paper. C. R. Fleischmann. 1,690,858; Nov. 6.
- Holder, Shingle. C. F. Ames, jr. 1,678,804; July 31.
- Holder, Shingle. C. R. Eckert. 1,684,479; Sept. 18.
- Holder, Sign. J. T. Lang and C. F. Schoefer. 1,682,047; Aug. 28.
- Holder, Sleeve. H. P. Nissen. 1,690,694; Nov. 6.
- Holder, Sleeve. A. Wiegell. 1,692,527; Nov. 20.
- Holder, Slide. J. H. Brown. 1,690,965; Nov. 6.
- Holder, Sliding-window. R. M. Ahrens. 1,677,317; July 17.
- Holder, Soap. L. B. Lieberman and A. M. Dunn. Des. 75,376; May 29.
- Holder, Soft-collar. L. E. Baer. 1,662,774; Mar. 13.
- Holder, Spinning-ring. B. L. Bloom. 1,663,620; Mar. 27.
- Holder, Spool. G. D. Hawley. 1,688,273; Oct. 16.
- Holder, Spoon. E. Orman. 1,673,703; June 12.
- Holder, Spoon. G. T. Ritter. 1,687,795; Oct. 16.
- Holder, Stair-rod. E. E. Found. Des. 75,833; July 24.
- Holder, Steel-wood. W. Sands. 1,673,472; June 12.
- Holder, Strip-map. F. A. Pullen. 1,692,348; Nov. 20.
- Holder, Tire. A. C. Busby. 1,686,367 Oct. 2.
- Holder, Toilet-paper. A. B. Honschopp. 1,693,338; Nov. 27.
- Holder, Toilet-paper. A. W. Lovejoy. 1,695,432; Dec. 18.
- Holder, Toilet-paper. W. L. Whitesides. 1,662,140; Mar. 13.
- Holder, Toilet-paper. F. A. Whitney. 1,683,641; Sept. 11.
- Holder, Tool. R. Milecz. 1,688,284; Oct. 16.

- Holder, Tool. D. D. Wells. 1,691,688; Nov. 13.
 Holder, Toothbrush. W. C. Athon. 1,696,706; Dec. 25.
 Holder, Toothbrush. G. E. C. Hill. 1,694,941; Dec. 11.
 Holder, Toothbrush. F. Reich. 1,690,311; Nov. 6.
 Holder, Toothpick. T. Bartholomew. 1,694,200; Dec. 4.
 Holder, Toothpick. J. Draggie. 1,696,080; Dec. 18.
 Holder, Toothpick. F. Rings. 1,676,747; July 10.
 Holder, Towel. W. N. Proctor. 1,677,049; July 10.
 Holder, Train-order-hoop. G. E. Madsen. 1,696,279; Dec. 25.
 Holder, Tree. A. E. Davis. 1,695,275; Dec. 18.
 Holder, Tree. F. K. Underwood. 1,696,288; Dec. 25.
 Holder, Twine. T. P. Harris. 1,688,923; Oct. 23.
 Holder, Twine. R. Salvaggio. 1,677,799; July 17.
 Holder, Wall pot. M. C. Fox. Des. 75,786; July 17.
 Holder, Watch. H. Schlacht. Des. 76,424; Sept. 25.
 Holder, Water-spout. J. M. Wells. 1,696,426; Dec. 25.
 Holder, Whisk-broom. E. Wiener. Des. 77,344; Dec. 25.
 Holder, Window-sash. A. M. Gunderson. 1,692,731; Nov. 20.
 Holder, Window-sash. L. H. Hood and J. J. Culwell. 1,680,786; Aug. 14.
 Holder, Window sign. C. M. Kimball. 1,692,450; Nov. 20.
 Holder, Wire clamp and insulator. S. J. Speir. 1,685,009; Sept. 18.
 Holder, Work. H. E. Kempton, K. F. Gallimore and R. M. Woytych. 1,692,379; Nov. 20.
 Holder, Work. J. L. Perkins and H. D. Croft. 1,692,566; Nov. 20.
 Holder, Work. R. M. Woytych. 1,695,752; Dec. 18.
 Holder, Work and tool. W. J. McConnell. 1,683,253; Sept. 4.
 Holder, Wrist-pin-bearing. W. H. Fenneman. 1,686,079; Oct. 2.
 Holders, Making bobbed-hair. H. Saito. 1,695,983; Dec. 18.
 Holding and clamping device. A. A. Lainer. 1,694,474; Dec. 11.
 Holding and guiding means for sliding partitions. C. McVeety. 1,680,561; Aug. 14.
 Holding and locking spare wheels and the like on motor vehicles. M. Kruse. 1,695,016; Dec. 11.
 Holding and turning apparatus. F. A. Litter. 1,674,208; June 19.
 Holding block for broaching half bearings. L. C. Blomstrom. 1,685,224; Sept. 25.
 Holding device. T. H. Bullock and T. H. Bullock, jr. 1,660,742; Feb. 28.
 Holding device. J. Engl. 1,688,008; Oct. 16.
 Holding device. L. C. Ganny and H. Goldberg. 1,666,045; Apr. 10.
 Holding device. H. Nadel. 1,666,662; Apr. 17.
 Holding device. A. J. Rudolph. 1,689,643; Oct. 30.
 Holding device for sheet-glass machines. Edge. H. G. Singluff. 1,679,504; Aug. 7.
 Holding device for smokers' articles. C. V. Brown. 1,663,156; Mar. 20.
 Holding device for tire expanders, Splice. T. Midgley. 1,694,227; Dec. 4.
 Holding device, Sheet. S. H. Plum, 2d. 1,694,720; Dec. 11.
 Holding device, Work. C. E. Conner. 1,695,321; Dec. 18.
 Holding glass plates upon grinding and polishing tables, Apparatus for. H. K. Hitchcock. 1,683,250. Sept. 4.
 Holding half bearings in position for machining, Apparatus for. L. C. Blomstrom. 1,686,198; Oct. 2.
 Holding toilet-paper rolls, Device for. C. Moser. 1,684,190; Sept. 11.
 Hold-up safety device. W. Albert. 1,658,755; Feb. 7.
 Holes in metal, Countersinking. L. G. Winkler. 1,695,476; Dec. 18.
 Hollow articles, Making. S. H. Heist. 1,654,647; Jan. 3.
 Hollow articles, Making. G. D. Welty. 1,688,300; Oct. 16.
 Hollow bodies by centrifugal casting, Production of. C. Humperdinck. 1,668,318; May 1.
 Hollow bodies from fibrous-material pulp, Manufacture of. F. W. Baumgärtner. 1,678,759; July 31.
 Hollow bodies, Rolling down. G. A. Lindgren. 1,662,680; Mar. 13.
 Hollow body. F. G. Slagel. 1,680,697; Aug. 14.
 Hollow body and making the same, Seamless. J. Faber. 1,659,399; Feb. 14.
 Hollow bracing unit. H. Woodhead and C. W. Stover. 1,666,278; Apr. 17.
 Hollow flexible bodies from their molds, Detaching. E. Czapek and R. Weingand. 1,687,282; Oct. 9.
 Hollow mill. O. Severson. 1,688,558; Oct. 23.
 Holly and like plants and products derived therefrom, Treating. S. M. Hoye. 1,679,525; Aug. 7.
 Holster. E. J. Brauer. 1,696,708; Dec. 25.
 Holster and belt, Combination. R. F. Warren. Des. 75,667; June 26.
 Hone, Cylinder. E. A. Hall and G. J. Lindroth. 1,696,477; Dec. 25.
 Hone, Valve. E. A. Hall. 1,694,705; Dec. 11.
 Honeycomb foundation. H. L. Settle. 1,672,853; June 5.
 Honey extractor. G. Y. Harry. 1,694,541; Dec. 11.
 Honey extractor. A. F. Hodgson. 1,657,717; Jan. 31.
 Honey extractor, Centrifugal. G. Y. Harry. 1,688,493; Oct. 23.
 Honey rick. S. G. Broyles. 1,685,021; Sept. 18.
 Honing and stropping device. A. Pascoe. 1,696,778; Dec. 25.
 Honing device, Grandstone. N. M. Baker. 1,679,200; July 31.
 Honing razors and other knives, Composition of matter for use in. W. Hafner. 1,693,697; Dec. 4.
 Hood, Outlet. N. Braun. 1,695,527; Dec. 18.
 Hook: See—
 Airplane-arresting hook. Gaff hook.
 Airplane landing hook. Hoisting hook.
 Beam hook. Logging hook.
 Bird-cage hook. Releasing hook.
 Bracelet end hook. Safety hook.
 Bracelet hook. Snap hook.
 Bull hook. Spring hook.
 Butt hook. Sucker-rod hook.
 Cable hook. Suspension hook.
 Casing hook. Swing hook.
 Chain hook. Swivel hook.
 Choker hook. Wall hook.
 Door hook. Watch bracelet end hook.
 Double-swivel hook.
 Hook. H. Bartenbach and A. E. Freeman. 1,685,145; Sept. 25.
 Hook. H. R. Benson. 1,663,265; Mar. 20.
 Hook. H. Dean. 1,696,077; Dec. 18.
 Hook. J. R. Marshall. 1,678,993; July 31.
 Hook. V. Monroe. 1,672,390; June 5.
 Hook and eye. L. Gutekunst. 1,685,777; Oct. 2.
 Hook and eye tape. A. Bebel. 1,667,922; May 1.
 Hook and hoisting appliance, Gambrel. F. F. Fetter. 1,670,029; May 15.
 Hook and loop, Combination. H. D'Olier, jr. 1,689,943; Oct. 30.
 Hook and rope carrier. G. F. Hutton. 1,659,821; Feb. 21.
 Hook and wire adjuster, Picture. M. S. Sykes. 1,688,562; Oct. 23.
 Hook for oil-well elevators, Latching. W. F. Cornelius. 1,687,006; Oct. 9.
 Hook for roof ladders, Detachable. J. A. Johnson. 1,695,428; Dec. 18.
 Hooked and lapped side seam for tubular bodies and making the same. J. M. Young. 1,685,384; Sept. 25.
 Hoop fastening. W. D. Wilkes. 1,655,032; Jan. 3.
 Hooping of the stacks of blast furnaces. A. J. F. J. Cousin. 1,668,550; May 8.
 Hoops for boxes and the like, Device for stretching and fastening. S. Sicard. 1,663,616; Mar. 27.
 Hopper. W. H. McClelland. 1,674,556; June 19.
 Hopper, Batch. C. S. Johnson. 1,687,499; Oct. 16.
 Hopper-door lock. W. E. Wine. 1,658,585; Feb. 7.
 Hopper feed for metal-working machines. B. H. Mortus. 1,692,275; Nov. 20.
 Hopper for concrete material, Batch. J. L. Shue. 1,682,354; Aug. 28.
 Hopper for receptacles especially for producers, Automatic charging. R. Möller. 1,670,203; May 15.
 Hopper for tobacco-feeding machines, Constant-level. C. W. Gooch, jr. 1,692,648; Nov. 20.
 Hoppers, Feeding mechanism for. H. Mullendore. 1,671,777; May 29.
 Horn, Acoustic. M. Abrahams. 1,675,318; July 3.
 Horn, Automobile. G. J. Seiss. 1,679,745; Aug. 7.
 Horn deflector. C. Achenbach. 1,681,565; Aug. 21.
 Horn, Diaphragm. A. Cunningham. 1,655,675; Jan. 10.
 Horn, Electric. D. A. McConnell. 1,676,455; July 10.
 Horn, Fluid-pressure. H. E. Anderson. 1,692,766; Nov. 20.
 Horn for loud speakers. S. H. Byrns. 1,689,009; Oct. 23.
 Horn, Loud-speaker. J. O. Bergman. 1,682,656; Aug. 28.
 Horn, Motor. L. Chollet. 1,662,363; Mar. 13.
 Horn, Multituned. M. R. Hutchison. 1,696,304; Dec. 25.
 Horn on wing structure of aircraft, Sound projecting. J. M. Coburn and B. Knapp. 1,667,287; Apr. 24.
 Horn, Sound-amplifying. J. C. Hendrick. 1,677,782; July 17.
 Horn, Sound-amplifying. J. Kersten. 1,666,571; Apr. 17.
 Horoscopic interpretation apparatus for hours and days. A. Abromeit. 1,692,105; Nov. 20.
 Horse collar. Q. D. Rogers. 1,667,740; May 1.
 Horse collar. O. H. Thorp, sr. 1,696,063; Dec. 18.
 Horse collar. J. H. Wilson. 1,658,112; Feb. 7.
 Horse-collar cap. M. H. Brown. 1,669,324; May 8.
 Horse-collar pad. G. P. Stegner. 1,672,474; June 5.
 Horse collar, Pneumatic. H. C. Detjen. 1,656,666; Jan. 17.
 Horse collar, Pneumatic. I. J. Thomsen. 1,657,701; Jan. 31.
 Horse-drawn rake. C. C. Andersen. 1,688,222; Oct. 16.
 Horse, Rocking and galloping. N. Smirnov. 1,676,365; July 10.
 Horseshoe. W. F. Slagle. 1,684,045; Sept. 11.
 Horseshoe. J. H. Stickell. 1,658,865; Feb. 14.
 Horseshoe. A. R. Swanson. 1,688,601; Oct. 23.
 Horseshoe. A. Trakalo. 1,688,251; Oct. 16.
 Horseshoe. R. R. Tweed. 1,673,650; June 12.
 Horseshoe and calk. W. T. Shepherdson. 1,682,688; Aug. 28.
 Horseshoe calk. J. S. Coates. 1,657,565; Jan. 31.
 Horseshoe, Cushion-tread. R. E. Fruin. 1,690,365; Nov. 6.
 Horseshoe rands, Making. O. T. Crafts. 1,665,579; Apr. 10.
 Hose. C. B. Gratz. 1,669,051; May 8.
 Hose. L. J. D. Healy. 1,668,560; May 8.
 Hose and tube clamp. W. G. Miller. 1,695,340; Dec. 18.
 Hose, Armored. A. E. Caldwell. 1,664,060; Mar. 27.

- Hose cap for fire-department connections, Adjustable. O. L. Downing. 1,676,081; July 3.
- Hose clamp. H. W. Goodall and J. W. Walsh. 1,694,538; Dec. 11.
- Hose clamp. J. H. Holyfield. 1,691,288; Nov. 13.
- Hose clamp. S. C. Lavender. 1,690,643; Nov. 6.
- Hose clamp. C. A. Norgren. 1,684,713; Sept. 18.
- Hose clamp. C. A. Parker. 1,694,664; Dec. 11.
- Hose clamp. G. W. Riddle. 1,678,915; July 31.
- Hose connection, Water-. E. W. Seaholm. 1,658,575; Feb. 7.
- Hose coupler. E. H. Gold and E. A. Russell. 1,681,729; Aug. 21.
- Hose coupler. E. N. Roth. 1,671,613; May 29.
- Hose coupling. O. C. Brandt. 1,668,547; May 8.
- Hose coupling. G. H. Callahan. 1,693,367; Nov. 27.
- Hose coupling. G. E. Hazard. 1,687,445; Oct. 9.
- Hose coupling. J. R. Lowrey. 1,664,125; Mar. 27.
- Hose coupling. C. J. Shadden. 1,657,488; Jan. 31.
- Hose coupling assembling head, Steam-. A. B. Rumsey. 1,655,643; Jan. 10.
- Hose coupling, Telescopic. W. H. Klyce. 1,691,816; Nov. 13.
- Hose dismantling and assembling machine. F. M. Alt-father, E. H. Archer, and A. B. Rumsey. 1,655,640; Jan. 10.
- Hose-fastening device. G. Rhinevault. 1,668,978; May 8.
- Hose handle. W. Anderson. 1,686,115; Oct. 2.
- Hose, Making nonexpansible. M. R. Sherbino. 1,684,718; Sept. 18.
- Hose nipple. H. G. Bruner. 1,662,051; Mar. 13.
- Hose, Nonexpansible. M. R. Sherbino. 1,684,717; Sept. 18.
- Hose, Nonexpansible. C. C. Bradbury. 1,666,365; Apr. 17.
- Hose or pipe coupling. J. J. Jones. 1,665,812; Apr. 10.
- Hose protector. D. D. Fortune. 1,677,077; July 10.
- Hose rack. E. H. Hansen. 1,658,793; Feb. 14.
- Hose reel. C. D. Heffernan. 1,664,074; Mar. 27.
- Hose reel. C. J. Hessian. 1,674,512; June 19.
- Hose reel. C. H. and A. G. Larson. 1,663,410; Mar. 20.
- Hose reel. G. Sirkovitz. 1,659,788; Feb. 21.
- Hose reel, Automatic. O. G. Schenderlein. 1,675,140; June 26.
- Hose, Reinforcement for fabric. W. H. Evans. 1,671,706; May 29.
- Hose supporter. J. J. Botsford. 1,672,298; June 5.
- Hosiery. A. I. Behrens. 1,669,850; May 15.
- Hosiery. O. W. Burkett. Des. 76,288; Aug. 21.
- Hosiery. H. H. Ducat. 1,693,141; Nov. 27.
- Hosiery. R. Friedrich. Des. 75,835; July 24.
- Hosiery. R. Friedrich. Des. 76,997; Nov. 27.
- Hosiery. F. H. L. Luebbe. Des. 77,017; Nov. 27.
- Hosiery. W. L. Thorne. 1,678,716; July 31.
- Hosiery and garment press. E. J. Schremp. 1,667,826; May 1.
- Hosiery and producing same, Reenforced. L. Kaplan. 1,694,324; Dec. 4.
- Hosiery and product thereof, Making full-fashioned. M. A. Marschner. 1,663,087; Mar. 20.
- Hosiery-finishing apparatus. T. W. Prosser and J. H. Wahlbeck. 1,685,753; Sept. 25.
- Hosiery, Garter. N. Cherniak. 1,667,707; Apr. 24.
- Hosiery machine, Full-fashioning. W. D. Richter. 1,671,165; May 29.
- Hosiery machine, Full-fashioned-. W. D. Richter. 1,696,752; Dec. 25.
- Hosiery machines, Automatic controlling and timing mechanism for full-fashioned. J. E. Shoemaker. 1,691,740; Nov. 13.
- Hosiery, Making. J. M. Allen. 1,669,801; May 15.
- Hosiery, Manufacturing full-fashioned. E. O. Nebel. 1,665,972; Apr. 10.
- Hosiery protector. G. W. Parry. 1,677,683; July 17.
- Hosiery, Seamless. J. C. Williams. 1,669,591; May 15.
- Hospital appliance. J. C. Fischer. 1,669,192; May 8.
- Hospital indicating casing. L. A. Dare. Des. 74,556; Feb. 28.
- Hot-air furnace. J. Boucek, J. Halick, and J. Trefney. 1,663,434; Mar. 20.
- Hot-air furnace. F. A. Conrad. 1,666,736; Apr. 17.
- Hot-air furnace. F. A. Conrad. 1,672,247; June 5.
- Hot-air furnace. G. Batvani. 1,679,247; July 31.
- Hot-air furnace. A. L. Kloos, B. Greenfield, and G. B. Ackermann. 1,687,983; Oct. 16.
- Hot-air furnace. C. Van Gendern. 1,660,364; Feb. 28.
- Hot-air register. P. E. Diederich. 1,687,645; Oct. 16.
- Hot-air register. M. M. Rote. 1,690,948; Nov. 6.
- Hotbed. E. Kästel. 1,689,552; Oct. 30.
- Hotbed. W. McKee. 1,675,949; July 3.
- Hot-metal mixer. L. E. Allen and J. K. Furst. 1,678,455; July 24.
- Hot plate. T. Jarboe. 1,695,711; Dec. 18.
- Hot plate, Electric. W. G. Nordling. 1,684,374; Sept. 11.
- Hot plate, Nonwarping. L. Reichold. 1,677,005; July 10.
- Hot plate, Steam. W. H. Appleby. Re16,952-3; May 1.
- Hot rolling. S. G. Worton. 1,689,512; Oct. 30.
- Hot-tamale-forming machine. S. Allen. 1,661,916; Mar. 6.
- Hot top. E. J. Turner. 1,666,759; Apr. 17.
- Hot tops, Supporting means for. E. J. Turner. 1,672,662-3; June 5.
- Hot-water furnace. C. J. Stricker. 1,670,913; May 22.
- Hot-water heater. M. H. Braden. 1,691,334; Nov. 13.
- Hot-water heater, Electric. B. Berger. 1,688,108; Oct. 16.
- Hot-water-supply systems, Keeping up the temperature in. S. Otis. 1,664,862; Apr. 3.
- Hour glass. L. P. Denny. 1,694,059; Dec. 4.
- House. See—
- Brooder house. Lamp house.
- Camp house. Portable house.
- House cars, Corner entrance in. A. Wasberg and W. W. Darrow. 1,674,752; June 26.
- House number, Illuminated. N. Bergan. 1,668,799; May 8.
- House number, Night and day. W. A. Kichline. 1,657,967; Jan. 31.
- Household commodity indicator. G. B. Hall. 1,690,293; Nov. 6.
- Housing. H. J. Boe. 1,654,524; Jan. 3.
- Housing, Bendix. L. M. Kesler. 1,686,861; Oct. 9.
- Housing, Brake-gear. W. Wright. 1,669,921; May 15.
- Housing, construction. R. B. Benjamin. 1,676,239; July 10.
- Housing construction, Rear-axle-. H. Ford. 1,692,932; Nov. 27.
- Housing, Engine. F. N. Nelson. 1,694,790; Dec. 11.
- Housing for electrical devices, Protective. P. Vannini. 1,692,873; Nov. 27.
- Housing for governors, Adjustable. E. C. Myers. 1,675,125; June 26.
- Housing for light-actuated switches. I. E. McCabe. 1,675,898; July 3.
- Housing for metering equipment. H. K. Ansingh. 1,671,502; May 29.
- Housing for rotary pumps and associated parts, Integral. G. J. Zisch. 1,675,079; June 26.
- Housing, Portable instrument. H. E. Kuhne. 1,661,482; Mar. 6.
- Hover for oil-burning brooders. J. T. Landgraf. 1,673,334; June 12.
- Hovers, Method of and element for heating. H. O. Cunard. 1,655,857; Jan. 10.
- Hub. W. H. Bahan. 1,656,935; Jan. 24.
- Hub, Automobile steering-wheel. J. A. Murphy. 1,693,153; Nov. 27.
- Hub cap. L. Rouanet. 1,660,725; Feb. 28.
- Hub cap. C. L. Stokes. 1,660,728; Feb. 28.
- Hub for propeller blades. M. C. Nixon. 1,661,631; Mar. 6.
- Hub for propeller blades. M. C. Nixon. 1,661,633; Mar. 6.
- Hub liner. J. R. Sexton. 1,662,441; Mar. 13.
- Hub-liner lubricator. M. W. Whalen. 1,663,033; Mar. 20.
- Hub, Wheel. W. N. Booth. 1,695,525; Dec. 18.
- Hub, Wheel. J. L. Hecht. 1,663,127; Mar. 20.
- Hubs and the like, Making. H. S. Holmes. 1,688,421; Oct. 23.
- Hubs, Making. H. H. Williams. 1,693,067; Nov. 27.
- Hubs, Making pressed-steel. H. H. Hicks. 1,694,779; Dec. 11.
- Hull extractor. A. L. Smith. 1,656,398; Jan. 17.
- Huller. See—
- Oat huller. Clover huller.
- Humidifier. J. Armstrong. 1,675,782; July 3.
- Humidifier. F. F. Bahnson. 1,685,221; Sept. 25.
- Humidifier. R. C. Bender. 1,668,000; May 1.
- Humidifier. E. A. Chamberlin. 1,692,816; Nov. 27.
- Humidifier. D. R. Collins. 1,670,141; May 15.
- Humidifier. W. K. Gammeter. 1,691,967; Nov. 20.
- Humidifier. G. M. Gray and C. T. Flint. 1,658,121; Feb. 7.
- Humidifier. C. E. Hendrix. 1,682,513; Aug. 28.
- Humidifier. A. F. Mark. 1,685,198; Sept. 25.
- Humidifier. J. F. Richmond. 1,662,938; Mar. 20.
- Humidifier. W. Schoon. 1,659,052; Feb. 14.
- Humidifier. E. A. Spaulding. 1,694,453; Dec. 11.
- Humidifier, Air. R. W. Hardie. 1,674,469; June 19.
- Humidifier, Air-conditioning. C. J. Allen. 1,668,707; May 8.
- Humidifier and decarbonizer, Combination. M. E. Gillespie. 1,663,163; Mar. 20.
- Humidifier and dust collector. R. C. Bender. 1,668,041; May 1.
- Humidifier and dust collector for heating systems. R. C. Bender. 1,668,042; May 1.
- Humidifier. Cigar. L. C. Durham. 1,668,892; May 8.
- Humidifier for cigar cases. J. B. Dargavol. 1,676,943; July 10.
- Humidifier for cigar cases. J. A. Ward. 1,673,169; June 12.
- Humidifier for hot-air furnaces. J. Subert and J. Subert, jr. 1,689,936; Oct. 30.
- Humidifier for internal-combustion engines. E. Carter. 1,692,279; Nov. 20.
- Humidifier for tobacco containers. I. N. Babbitt. 1,682,591; Aug. 28.
- Humidifying apparatus. F. A. and W. Anetsberger. 1,676,763; July 10.
- Humidifying apparatus. W. G. R. Braemer. 1,656,414; Jan. 17.
- Humidifying apparatus. J. A. Erwin. 1,680,604; Aug. 14.
- Humidifying device. D. Handelan. 1,665,455; Apr. 10.
- Humidifying device, Automatic. W. B. Coleman. 1,684,757; Sept. 18.
- Humidity control, Automatic and remote. F. W. and H. E. Rubin. 1,662,283; Mar. 13.

- Humidity recorder, Direct-. E. B. Wood. 1,689,313; Oct. 30.
- Humidity variations, System for detecting and controlling. W. R. Starkins. 1,694,107; Dec. 4.
- Humidor. N. Martino, P. Frasca, and J. E. Oster. 1,678,260; July 24.
- Humidor. D. E. Ross and R. L. Harrison. 1,656,757; Jan. 17.
- Humidor display lid. E. Brunhoff. 1,676,683; July 10.
- Husker, Corn. P. F. Duerr. 1,695,324; Dec. 18.
- Husker, Corn. A. Rosenthal. 1,672,501; June 5.
- Husker, Three-row corn. P. Imig. 1,663,843; Mar. 27.
- Husking device. J. Zylstra. 1,670,225; May 15.
- Husking machine, Corn-. E. H. Daniel. 1,663,266; Mar. 20.
- Husking machine, Corn-. W. W. and S. E. Morral. 1,669,483; May 15.
- Husking nuts, Machine for. A. P. J. Voight. 1,683,004; Sept. 4.
- Husking, podding, brushing, or treating grain, Machine for. L. Kaspar. 1,693,953; Dec. 4.
- Husking roll, Corn-. L. A. Paradise and W. J. Coultas. 1,682,142; Aug. 28.
- Husks or socket housing. V. R. Despard. 1,676,254; July 10.
- Hut, Demountable. G. Bulbeck. 1,683,022; Sept. 4.
- Hydrant. C. Holder. 1,682,225; Aug. 28.
- Hydrant. T. and R. H. Ritchie. 1,693,095; Nov. 27.
- Hydrant. F. E. Wilt. 1,671,803; May 29.
- Hydrant coupling, Fire-. H. C. Saunders. 1,682,187; Aug. 28.
- Hydrant, Fire. K. A. Read. 1,659,005; Feb. 14.
- Hydrating cement and the like, Method and apparatus for. E. P. Halliburton. 1,680,678; Aug. 14.
- Hydrating unit. H. Miscampbell. 1,662,932; Mar. 20.
- Hydration, Method and apparatus for. J. C. Schaffer. 1,668,339; May 1.
- Hydraulic actuating means. W. Noble and L. V. Pitman. 1,691,896; Nov. 13.
- Hydraulic apparatus. F. Nagler. 1,671,083; May 22.
- Hydraulic brake. E. H. McKinney. 1,661,843; Mar. 6.
- Hydraulic brake. F. C. Pearson. 1,668,730; May 8.
- Hydraulic brake. H. Schaede. 1,682,308; Aug. 28.
- Hydraulic brake. C. A. Spatz. 1,663,147; Mar. 20.
- Hydraulic brake, Full. J. Buckley. 1,669,325; May 8.
- Hydraulic brake, Simplified. J. G. Roach. 1,655,844; Jan. 10.
- Hydraulic center-shifting mechanism. V. Angerer. 1,681,969; Aug. 28.
- Hydraulic construction. G. W. Bungay. 1,676,249; July 10.
- Hydraulic control system. E. Cannon. 1,656,034; Jan. 10.
- Hydraulic gate. L. K. Whitcomb, jr., and N. Vanderkief. 1,682,206; Aug. 28.
- Hydraulic jack. J. G. Dybens. 1,656,430; Jan. 17.
- Hydraulic jack. T. Gensmer. 1,680,536; Aug. 14.
- Hydraulic jack. M. J. Helmer. 1,662,922; Mar. 20.
- Hydraulic jack. A. J. McDonell. 1,665,633; Apr. 10.
- Hydraulic jack. W. J. Waters. Rel. 6,989; June 5.
- Hydraulic jack. T. D. White. 1,667,759; May 1.
- Hydraulic jack. C. L. Zabriskie. 1,673,386; June 12.
- Hydraulic lift. F. Koenigkramer. 1,671,193; May 29.
- Hydraulic machine. W. H. Lieber. 1,656,006; Jan. 10.
- Hydraulic machine. F. Nagler. 1,656,012; Jan. 10.
- Hydraulic machine, Axial-flow. J. H. W. Gill. 1,688,808-9; Oct. 23.
- Hydraulic machines, Diffuser for. W. M. White. 1,655,829; Jan. 10.
- Hydraulic motor. I. Corneliusen. 1,677,431; July 17.
- Hydraulic operating means. W. J. Smith. 1,660,977; Feb. 28.
- Hydraulic operating means. W. J. Smith. 1,661,016; Feb. 28.
- Hydraulic press. W. Ferris. 1,692,771; Nov. 20.
- Hydraulic press. L. Parker. 1,675,513; July 3.
- Hydraulic press, Automatic. W. Ernst. 1,682,172; Aug. 28.
- Hydraulic press, High-speed. W. Ernst. 1,672,561; June 5.
- Hydraulic rotor. W. M. White. 1,670,558; May 22.
- Hydraulic system. J. E. Holveck. 1,682,569; Aug. 28.
- Hydraulic system and propelling vessels. G. R. Brown. 1,694,840; Dec. 11.
- Hydraulically-actuated device. P. W. Seewer. 1,670,786; May 22.
- Hydrazine pyridine compounds, Preparation of. C. Rith. 1,671,257; May 29.
- Hydroaeroplane. J. V. Martin. 1,672,985; June 12.
- Hydroaeroplanes and producing the same, Pontoon for. G. E. Barnhart. 1,656,412; Jan. 17.
- Hydroaeroplane. M. M. Karger. 1,662,644; Mar. 13.
- Hydroaromatic products containing nitrogen and making same, Chlorinated. T. Voltz. 1,679,998; Aug. 7.
- Hydrocarbon, Apparatus for treating. G. Egloff and H. P. Benner. 1,670,105; May 15.
- Hydrocarbon burner. G. W. Bowen. 1,679,152; July 31.
- Hydrocarbon burner. C. O. Everhart. 1,686,846; Oct. 9.
- Hydrocarbon burner. F. L. Fuldauer. 1,655,995; Jan. 10.
- Hydrocarbon burner. F. Higgins and A. E. Nordstrom. 1,677,447; July 17.
- Hydrocarbon burner. W. C. Holland. 1,672,064; June 5.
- Hydrocarbon burner. G. B. Johnson. 1,690,015; Oct. 15.
- Hydrocarbon burner. C. E. Main. 1,681,302; Aug. 21.
- Hydrocarbon burner. H. Moecker, jr., and J. van Es. 1,669,304; May 8.
- Hydrocarbon burner. J. B. Robinson. 1,675,135; June 26.
- Hydrocarbon burner. A. E. Schein. 1,693,054; Nov. 27.
- Hydrocarbon burner. A. M. Seeger. 1,673,596; June 12.
- Hydrocarbon burner and gas generator. E. O. Benjamin. 1,672,997; June 12.
- Hydrocarbon burner, Liquid-. W. C. Coleman. 1,678,058; July 24.
- Hydrocarbon burner, Liquid-. J. M. Kelley. 1,657,831; Jan. 31.
- Hydrocarbon-burner system. J. S. String. 1,676,877; July 10.
- Hydrocarbon compounds, Apparatus for the treatment of. E. R. Hamilton. 1,671,423; May 29.
- Hydrocarbon, Cracking. J. E. Bell and E. W. Isom. 1,660,856; Feb. 28.
- Hydrocarbon engine. J. E. Fuller. 1,685,282; Sept. 25.
- Hydrocarbon engine. P. B. Taylor. 1,665,288; Apr. 10.
- Hydrocarbon, Fractionating. W. K. Lewis and A. A. Wells. 1,672,849; June 5.
- Hydrocarbon liquids and gases and other liquids and gases, Apparatus for treating and combining. N. H. Colwell. 1,668,104; May 1.
- Hydrocarbon liquids, Apparatus for treating. R. C. Kirwin. 1,654,654; Jan. 3.
- Hydrocarbon materials, Conversion apparatus for refining. R. K. Collins. 1,654,577; Jan. 3.
- Hydrocarbon materials, Expansion process and apparatus for refining. R. K. Collins. 1,654,578; Jan. 3.
- Hydrocarbon motor. H. M. Scovel. 1,659,709; Feb. 21.
- Hydrocarbon motor. M. Tibbetts. 1,658,308; Feb. 7.
- Hydrocarbon motor. J. G. Vincent. 1,676,418; July 10.
- Hydrocarbon motor. L. M. Woolson. 1,657,293; Jan. 24.
- Hydrocarbon motor. L. M. Woolson. 1,687,918; Oct. 16.
- Hydrocarbon oils, Apparatus for treating. F. E. Wellman. 1,672,668; June 5.
- Hydrocarbon oils, Cracking. J. Perl. 1,689,363; Oct. 30.
- Hydrocarbon oils, Process and apparatus for the distillation and cracking of. H. J. Jansen. 1,672,459; June 5.
- Hydrocarbon products, Preparing. N. E. Loomis. 1,694,272; Dec. 4.
- Hydrocarbon-refining apparatus, Heat-protecting means for expansion tanks of. R. K. Collins. 1,654,579; Jan. 3.
- Hydrocarbon residues and product obtained thereby, Treatment of. R. T. Goodwin. 1,660,295; Feb. 21.
- Hydrocarbons and fuel produced thereby, Distilling. L. T. Bates. 1,657,815; Jan. 31.
- Hydrocarbons, Apparatus for cracking. E. C. Harthel. 1,683,184; Sept. 4.
- Hydrocarbons, Apparatus for treating. G. Egloff and H. P. Benner. 1,655,600; Jan. 10.
- Hydrocarbons, Apparatus for treating. G. Egloff and H. P. Benner. 1,659,397; Feb. 14.
- Hydrocarbons, Catalytic alkylation of aromatic. M. G. Shepard. 1,658,176; Feb. 7.
- Hydrocarbons, Chlorination of saturated. E. Krause and K. Roka. 1,654,821; Jan. 3.
- Hydrocarbons, Constructive conversion of heavy to light. W. E. Shore. 1,687,595; Oct. 16.
- Hydrocarbons, Conversion of. H. Nielsen. 1,672,081; June 5.
- Hydrocarbons, Cracking. J. E. Bell. 1,688,325; Oct. 23.
- Hydrocarbons, Cracking. G. Egloff and H. P. Benner. 1,688,859; Oct. 23.
- Hydrocarbons, Cracking. W. L. Gomory. 1,670,804; May 22.
- Hydrocarbons, Cracking. E. C. Herthel and T. D. Tiff. 1,677,772; July 17.
- Hydrocarbons, Cracking. F. A. Howard. 1,681,899; Aug. 21.
- Hydrocarbons, Cracking. E. W. Isom. 1,661,073; Feb. 28.
- Hydrocarbons, Cracking. E. W. Isom and C. L. Parmelee. 1,675,558; July 3.
- Hydrocarbons, Cracking. J. Perl. 1,689,362; Oct. 30.
- Hydrocarbons, Cracking. G. H. Taber, jr. 1,663,868; Mar. 27.
- Hydrocarbons, Cracking. M. J. Trumble. 1,696,658; Dec. 25.
- Hydrocarbons, Cracking of liquid. O. D. Lucas and E. L. Lomax. 1,690,416; Nov. 6.
- Hydrocarbons, Distillation of. H. R. Meacham. 1,661,189; Mar. 6.
- Hydrocarbons, Distilling. W. M. Duncan. 1,654,797; Jan. 3.
- Hydrocarbons, Expansion process and apparatus for refining of. R. K. Collins. 1,654,580; Jan. 3.
- Hydrocarbons from carbonaceous material, Recovering light. M. J. Trumble. 1,676,675; July 10.
- Hydrocarbons from low-boiling hydrocarbons and hydrocarbon gases, Production of higher-boiling-point. A. S. Ramage. 1,687,890; Oct. 16.
- Hydrocarbons from oil-bearing strata, Extracting. W. L. Russell. 1,658,305; Feb. 7.
- Hydrocarbons into low-boiling hydrocarbons, Conversion of high-boiling. L. Edeleanu. 1,661,565; Mar. 6.
- Hydrocarbons into lower-boiling products, Converting. F. A. Howard. 1,694,262; Dec. 4.
- Hydrocarbons into other products, Transforming light paraffin. A. S. Ramage. 1,678,078; July 24.

- Hydrocarbons, Method and mechanism for continuously distilling and condensing. A. Clarke. 1,674,852; June 26.
- Hydrocarbons, mineral oils, oil residue, tars, and the like, Catalytic cracking of heavy. E. Erlenbach. 1,671,573; May 29.
- Hydrocarbons, Obtaining lighter products from. F. A. Howard. 1,686,490; Oct. 2.
- Hydrocarbons other hydrocarbons which precipitate at low temperature, Separating from fluid. N. O. Backlund. 1,676,069; July 3.
- Hydrocarbons, Oxidation of. A. W. Burwell. 1,690,763; Nov. 6.
- Hydrocarbons, Purification of crude aromatic. A. O. Jaeger. 1,674,472; June 19.
- Hydrocarbons, Refining and stabilizing. E. A. Prudhomme. 1,674,796; June 26.
- Hydrocarbons, Separating. C. B. Watson. 1,673,854; June 19.
- Hydrocarbons, Treating. L. de Florez. 1,674,390; June 19.
- Hydrocarbons, Treating. A. Schwarz. 1,655,741; Jan. 10.
- Hydrocarbons, Treatment of. W. Hess. 1,668,275; May 1.
- Hydrochloride, etc., Preparation of betaine. D. K. Tressler. 1,685,758; Sept. 25.
- Hydrocolloid composition, Plastic. A. Poller. 1,672,776; June 5.
- Hydrocyanic acid from crude cyanides, Making. G. H. Buchanan. 1,667,838; May 1.
- Hydrocyanic acid from formamide, Manufacture of. P. L. Magill and P. J. Carlisle. 1,675,366; July 3.
- Hydrocyclic- α -aminoalkyl compound and making same. H. Rupe. 1,670,990; May 22.
- Hydroelectric installation. A. Pfau. 1,671,046; May 22.
- Hydroelectric installation. A. Pfau. 1,674,609; June 19.
- Hydroelectric station, Automatic. M. E. Reagan. 1,675,381; July 3.
- Hydro-extractor or centrifugal machine. A. F. Dunsmore. 1,678,938; July 31.
- Hydrofluoric acid from fluorine and silice substances, Production of. M. Buchner. 1,664,348; Mar. 27.
- Hydrogen chloride and sodium sulphate, Making. C. S. Benjamin. 1,693,217; Nov. 27.
- Hydrogen ion concentration, Apparatus for electrometric determination of. M. Trénel. 1,657,421; Jan. 24.
- Hydrogen, Making substantially pure. C. E. Parsons. 1,658,939; Feb. 14.
- Hydrogen, Manufacture of. F. C. Blake. 1,692,811; Nov. 27.
- Hydrogen of great purity, Production of. A. W. Burwell. 1,689,858; Oct. 30.
- Hydrogen peroxide, Making. H. S. Taylor. 1,659,382; Feb. 14.
- Hydrogen, Producing. F. G. Liljenroth and M. Larsson. 1,673,691; June 12.
- Hydrogen, Producing. R. Williams. 1,673,032; June 12.
- Hydrogen sulphide from coal or water gases, Removing. W. E. Leuchtenberg. Re. 17,162; Dec. 11.
- Hydrogen sulphide into sulphur dioxide, Converting. H. Bähr. 1,678,630; July 31.
- Hydrogenizing tar oil. R. Bernhard and W. Denmann. 1,691,221; Nov. 13.
- Hydrolysis of ester-forming compounds. E. E. Ayers jr. and E. H. Haabestad. 1,691,426; Nov. 13.
- Hydrolysis of methyl chloride. R. H. McKee. 1,688,726; Oct. 23.
- Hydrolysis, particularly the splitting of oils and fats, Process of. P. J. Fryer. 1,657,440; Jan. 24.
- Hydrometallurgical process. G. H. Buchanan, G. B. Winner, and L. E. Tucker. 1,654,918; Jan. 3.
- Hydrometer. L. Edelmann. 1,683,452; Sept. 4.
- Hydrometer. H. Neuwerth. 1,694,138; Dec. 4.
- Hydrometer. F. E. Sode. 1,677,801; July 17.
- Hydrometer chamber. G. A. Smith. 1,683,735; Sept. 11.
- Hydrometer device. S. P. Wilbur. 1,696,618; Dec. 25.
- Hydroplane. C. H. Traver. 1,689,807; Oct. 30.
- Hydrotherapeutic device. E. Havard. 1,668,506; May 1.
- Hydroxide, Manufacture of ferrous. E. M. Lofland. 1,689,951; Oct. 30.
- Hygrometer apparatus. E. A. Ilemann. 1,664,035; Mar. 27.
- Hygrostat. G. R. Lawrence. 1,682,915; Sept. 4.
- Hygrostat. J. Roemer. 1,675,302; June 26.
- Hypochlorite composition. J. D. MacMahon. 1,678,987; July 31.
- Hypochlorites, Making alkali-metal. A. Oppé. 1,689,748; Oct. 30.
- I-beam clamp. W. G. Wehr. 1,658,956; Feb. 14.
- Ice-bag cap. C. H. C. Russell, O. F. Marcotte, and L. J. Hugues. 1,689,085; Oct. 23.
- Ice-can-submerging device. L. Kobash. 1,688,815; Oct. 23.
- Ice cream and making same. J. R. Hatmaker. 1,684,094; Sept. 11.
- Ice-cream-brick cutter. A. F. Gantz. 1,661,533; Mar. 6.
- Ice-cream cone. J. L. Balton. Des. 77,145; Dec. 11.
- Ice-cream cone. C. F. Betz. Des. 74,961; Apr. 24.
- Ice-cream cone. D. Gerber. Des. 76,766-80; Oct. 23.
- Ice-cream cone. U. A. Kreidler. Des. 75,262-3; May 22.
- Ice-cream cone. F. W. Lane and K. M. Anderson. 1,690,984; Nov. 6.
- Ice-cream cone. L. Mitchell. 1,654,825; Jan. 3.
- Ice-cream cone. J. Shapiro. 1,690,556; Nov. 6.
- Ice-cream cone. R. C. Turner. Des. 74,812; Mar. 27.
- Ice cream cone or like article. A. W. Murray. Des. 75,638; June 26.
- Ice-cream-cone protector. E. F. Gingras. 1,672,884; June 12.
- Ice-cream cutter, Brick. C. A. Kulenkampff. 1,685,700; Sept. 25.
- Ice-cream cutting and coating machine. W. E. Urschel. 1,692,427; Nov. 20.
- Ice-cream disher. H. D. Flegel. 1,669,703; May 15.
- Ice-cream disher. G. E. Holmes and F. W. Grant. 1,657,470; Jan. 31.
- Ice-cream disher. G. T. Parr. 1,677,984; July 24.
- Ice-cream dispenser. E. A. Littmann. Des. 75,129; May 8.
- Ice-cream dispenser. P. D. Pearce. 1,661,734; Mar. 6.
- Ice cream, Freezing. J. Willmann. 1,666,804; Apr. 17.
- Ice-cream machine and manufacturing and dispensing ice cream, Soda-fountain. M. R. Layman. 1,675,361; July 3.
- Ice-cream mix, Preparing a powdered milk for. A. S. Cosler. 1,659,723; Feb. 21.
- Ice crusher. C. M. Smith. 1,692,472; Nov. 20.
- Ice crystals, Making. S. C. Carney. 1,664,850; Apr. 3.
- Ice-cutting machine. W. H. Way. 1,681,715; Aug. 21.
- Ice-freezing tank. H. P. Fell. 1,671,945; May 29.
- Ice-handling device. F. W. Wallace. 1,663,067; Mar. 20.
- Ice machines, Air-agitating-tube support for. N. M. Small. 1,690,599; Nov. 6.
- Ice-making apparatus. J. B. Rochelle. 1,664,705; Apr. 3.
- Ice-making process and apparatus. G. T. Voorhees. 1,659,845; Feb. 21.
- Ice-making system, Raw-water. J. A. Martocello. 1,681,190; Aug. 21.
- Ice pick. C. E. Chase. Des. 76,664; Oct. 23.
- Ice pick. N. C. Smith. Des. 77,192; Dec. 11.
- Ice-rescue device. H. E. Hodgson. 1,677,236; July 17.
- Ice-saving pad. F. C. Maussner. 1,689,351; Oct. 30.
- Ice-scoring machine. A. M. Lee. 1,676,192; July 3.
- Ice-scoring machine. F. C. Westman. 1,666,868; Apr. 17.
- Ice-scoring machine, Fluid-pressure-operated. C. D. Helm. 1,673,623; June 12.
- Ice shaver, Combined casing and base for an. A. O. Goldstein. Des. 75,104; May 8.
- Ice-water cooler, Melted. J. L. Jones. 1,677,455; July 17.
- Ice wrapper. H. Mock. 1,655,070; Jan. 3.
- Identification. L. J. Tracey and H. H. Quail. 1,382,153; Aug. 28.
- Identification blotter. J. L. Flanagan. 1,667,542; Apr. 24.
- Identification device. F. E. Ackerman. 1,688,101; Oct. 16.
- Identification device. J. L. Post. 1,674,739; June 26.
- Identification device and making same. W. H. Wheeler. 1,656,928; Jan. 24.
- Identification device and producing same. W. H. Wheeler. 1,655,483; Jan. 10.
- Identification devices, Manufacturing automobile. W. H. Wheeler. 1,655,484; Jan. 10.
- Identification plate for automobiles. H. Harvey. Des. 75,560; June 19.
- Identifying individuals. W. M. Hammond. 1,676,495; July 10.
- Igniter. E. F. Clark. 1,692,627; Nov. 20.
- Igniter, Cigarette. G. Y. Sakamoto. 1,669,843; May 15.
- Igniter for gas stoves and the like, Automatic. C. E. Methudy. 1,675,899; July 3.
- Igniter for gas stoves, Safety. W. F. Dester. 1,664,917; Apr. 3.
- Igniter for internal-combustion engines. H. A. W. Howcott. 1,666,967; Apr. 24.
- Igniter for multiple gas burners, Selective. W. F. Dester. 1,686,604; Oct. 9.
- Igniter for oil burners. C. F. Warrick. 1,687,273; Oct. 9.
- Igniter for smokers' use. C. F. Larsen. Des. 75,500; June 12.
- Igniter, Fuel. W. L. Morris, and W. K. Booth. 1,670,819; May 22.
- Igniter, Gas-burner. W. F. Dester. 1,688,487; Oct. 23.
- Igniter, Safety electric fuse. N. M. Olevich. 1,658,610; Feb. 7.
- Igniter, Safety gas-stove. W. F. Dester. 1,664,918; Apr. 3.
- Igniting apparatus for sintering pans. A. Holmberg. 1,662,513; Mar. 13.
- Igniting device, Gas. K. Schreer. 1,660,277; Feb. 21.
- Igniting, Electric fuel. W. K. Booth. 1,694,053; Dec. 4.
- Igniting flash-light powder, Apparatus for automatically. P. J. Bakker. 1,667,368; Apr. 24.
- Ignition and lighting switch. E. N. Jacobi. 1,658,642; Feb. 7.
- Ignition apparatus. W. A. Chryst. 1,678,934; July 31.
- Ignition apparatus. W. A. Chryst. 1,683,239; Sept. 4.
- Ignition apparatus. J. H. Lehman. 1,686,527; Oct. 9.
- Ignition apparatus. A. L. Sudduth. 1,657,648; Jan. 31.
- Ignition apparatus. J. A. Williams and A. G. Karkau. 1,683,376; Sept. 4.
- Ignition apparatus for internal-combustion engines. M. M. Cardellino. 1,684,343; Sept. 11.
- Ignition-circuit controller. F. F. Dorsey. 1,670,440; May 22.
- Ignition-circuit system, Automotive-vehicle. G. L. Cragg. 1,657,003; Jan. 24.

- Ignition coil and switch, Combined. T. L. Lee. 1,669,136; May 8.
- Ignition-coil mounting. C. E. Wilson and A. Toelle. 1,690,353; Nov. 6.
- Ignition coils, Resistance for auto. C. H. Thordarson. 1,661,019; Feb. 28.
- Ignition-control mechanism. B. Dick. 1,691,757; Nov. 13.
- Ignition-controlling means. F. S. Denison. 1,673,063; June 12.
- Ignition cut-out for lubricating systems, Thermostatically-controlled. C. R. Ramsden. 1,670,823; May 22.
- Ignition device. C. B. Dicksee. 1,688,005; Oct. 16.
- Ignition device. H. Ford. 1,682,220; Aug. 28.
- Ignition device. G. Gadke. 1,691,870; Nov. 13.
- Ignition device. J. M. Redinger. 1,695,507; Dec. 18.
- Ignition device. W. D. Schroepe. 1,687,040; Oct. 9.
- Ignition device. W. Walther and G. Rau. 1,688,951; Oct. 23.
- Ignition device. P. F. Wollenweber. 1,669,888; May 15.
- Ignition device for gas burners. C. E. Methudy. 1,675,859; July 3.
- Ignition device for liquid-fuel burners. W. W. Williams. 1,691,003; Nov. 6.
- Ignition device for smudge pots. J. A. Ulmer. 1,676,368; July 10.
- Ignition device, Furnace. D. H. McCorkle. 1,668,859; May 8.
- Ignition distributor. E. B. Nowosielski. 1,654,993; Jan. 3.
- Ignition for 2-cylinder engines, Dual. E. V. Rippingille. 1,676,503; July 10.
- Ignition means for burners, Electrical spark. F. Fischer and A. F. Van Pelt. 1,688,864; Oct. 23.
- Ignition-spark tester. R. M. Johnson. 1,661,664; Mar. 6.
- Ignition switch. W. Hemingway, jr. 1,660,675; Feb. 28.
- Ignition switch. W. Kaisling. 1,655,614; Jan. 10.
- Ignition system. W. Hemingway, jr. 1,679,771; Aug. 7.
- Ignition system. J. H. Hunt. Re17,074; Sept. 4.
- Ignition system. C. B. Jahnke. 1,679,220; July 31.
- Ignition system. H. C. Walters and J. T. Fitzsimmons. 1,664,338; Mar. 27.
- Ignition system and switch therefor. W. Hemingway, jr. 1,660,674; Feb. 28.
- Ignition system, Automotive-vehicle. F. J. Watts. 1,664,911; Apr. 3.
- Ignition system, Automotive vehicle. F. J. Watts. 1,687,274; Oct. 9.
- Ignition system for gas burners, Electric. E. T. Banzhaf. 1,655,528; Jan. 10.
- Ignition system for oil burners, Electrical. C. L. Rayfield. 1,668,698; May 8.
- Ignition systems by a booster device for ignition apparatus, Increasing the performance of. E. Von Lepel. 1,693,210; Nov. 27.
- Ignition tester. H. Houghton. 1,663,130; Mar. 20.
- Ignition tester. W. J. Slifer. 1,665,567; Apr. 10.
- Ignition timer. T. A. Edwinson, jr. 1,686,686; Oct. 9.
- Ignition timer. F. C. Kroeger. 1,678,947; July 31.
- Ignition timer. C. Sabiers. 1,674,132; June 19.
- Ignition timer and distributor. H. L. Hosterman. 1,665,266; Apr. 10.
- Ignition-timer distributor. L. O. Parker. 1,678,913; July 31.
- Ignition-timer wiring assembly. N. G. Hovlid. 1,678,118; July 24.
- Illuminated city name and license double-number plate and direction-signal attachment therefor. J. Klammer. 1,679,671; Aug. 7.
- Illuminated house-number device. R. C. Yager. 1,689,315; Oct. 30.
- Illuminated pointing head. L. Bennington. 1,692,612; Nov. 20.
- Illuminating airports. V. W. and L. E. Miller. 1,660,680; Feb. 28.
- Illuminating all kinds of hollow members, Device for. F. F. Leiter. 1,692,554; Nov. 20.
- Illuminating appliance. T. K. Peters. 1,680,633; Aug. 14.
- Illuminating device. M. F. Deming. 1,673,319; June 12.
- Illuminating device. L. J. Voorhees. 1,669,313; May 8.
- Illuminating device for automobile hoods. H. J. Goldthwaite. 1,675,026; June 26.
- Illuminating device for rudder-angle indicators. C. B. Mills. 1,659,828; Feb. 21.
- Illuminating means for motor heat indicators. H. H. Boyce. 1,695,707; Dec. 18.
- Illumination-controlling device. C. W. Crowell. 1,655,356; Jan. 3.
- Illumination, Road. C. D. Turner. 1,675,236; June 26.
- Illusion device. W. A. Burns. 1,680,855; Aug. 14.
- Immersion heater. F. F. Gagelman. 1,689,198; Oct. 30.
- Impact recorder. E. Stout. 1,696,420; Dec. 25.
- Impact sections for a vehicle bumper. H. S. Jandus. Des. 77,101; Dec. 4.
- Impedance meter. C. E. Vawter. 1,669,400; May 8.
- Impeller. M. W. Green. 1,661,940; Mar. 6.
- Impeller for centrifugal pumps. C. A. Clifton. 1,674,543; June 19.
- Impervious material. W. F. Bleecker. 1,694,730; Dec. 11.
- Implement, Combination. P. Bruni. 1,696,076; Dec. 18.
- Implement, Combination. G. J. Rall. 1,683,455; Sept. 4.
- Implement for facilitating the handling of animals. S. Campbell. 1,677,953; July 24.
- Implement for uprooting plants. C. W. Schacht. 1,672,095; June 5.
- Implement handle, Electrically-heated. C. M. Chapman. 1,692,626; Nov. 20.
- Implement, Piercing. C. G. Perkins. Des. 75,584; June 19.
- Implement, Soil-working. W. H. Kammerer. 1,688,971; Oct. 23.
- Implement, Tillage. R. E. Dunham. 1,682,896; Sept. 4.
- Implements, Runner attachment for farm. H. C. Georgius. 1,695,710; Dec. 18.
- Impregnated material and treating the same. L. F. and W. E. Whitney. 1,682,652; Aug. 28.
- Impregnating absorbent material for use in explosives. B. I. Stoops. 1,671,792; May 29.
- Impregnating fabric with substantially permanent fragrance and the product. H. M. Specht. 1,683,849; Sept. 11.
- Impregnating machine and process. L. Seidell and G. B. Jack, jr. 1,676,363; July 10.
- Impregnating metal layers. N. Meurer. 1,688,127; Oct. 16.
- Impregnating solution. L. V. Redman and H. C. Cheetham. 1,693,939; Dec. 4.
- Impregnating wood with substances toxic to animal and bacterial life and fungus growths. C. B. Lipman and A. Gordon. 1,693,930; Dec. 4.
- Impregnation of unpaved streets. R. Lichtenstern. 1,671,248; May 29.
- Impressions, Making. H. Swan. 1,667,447; Apr. 24.
- Imprinting device. D. D. Madden. 1,666,029; Apr. 10.
- Improving mineral oils. F. W. Eley. 1,683,288; Sept. 4.
- Improving the properties of Montan wax. W. Pungs and M. Jahrstorfer. 1,690,876; Nov. 6.
- Impulse-testing equipment. M. L. Nelson. 1,693,725; Dec. 4.
- Impulse transmitter, Automatic. H. Pfannenstiehl. 1,661,012; Feb. 28.
- Incense box. J. I. Poses. 75,133; May 8.
- Incense burner. E. V. Cheeseman. 1,671,512; May 29.
- Incense burner. W. Evans. 1,665,659; Apr. 10.
- Incense burner. F. S. Hoxsie. Des. 75,247; May 22.
- Incinerating refuse. H. L. Cowles. Re16,885; Feb. 21.
- Incinerator. H. W. Ayers. Des. 76,114; Aug. 21.
- Incinerator. E. Breitwieser. 1,671,964; June 5.
- Incinerator. G. Schamberg. 1,674,304; June 19.
- Incinerator. M. Washburn. 1,665,487; Apr. 10.
- Incinerator, Boiler furnace and garbage. H. E. Wallis. 1,690,260; Nov. 6.
- Incinerator, Garbage and refuse. F. R. Jones. 1,692,448; Nov. 20.
- Inclination indicator. J. W. Bell. 1,684,788; Sept. 18.
- Inclosable or folding wringer. W. G. Peters. 1,665,932; Apr. 10.
- Increasing the usefulness of fodder and food. E. Mislin. 1,685,004; Sept. 18.
- Incubating apparatus. J. H. Lord. 1,675,895; July 3.
- Incubator. J. S. Brower. 1,658,759; Feb. 7.
- Incubator. L. De Vries. 1,661,413; Mar. 6.
- Incubator. R. A. Jordan. 1,675,105; June 26.
- Incubator. H. L. Watson. 1,694,674; Dec. 11.
- Incubator. J. W. Whitlow. 1,662,139; Mar. 13.
- Incubator heater. W. H. Monroe. 1,663,057; Mar. 20.
- Incubators, Egg turner for. J. Jackson. 1,690,169; Nov. 6.
- Indanthrene, Purification of. D. G. Rogers. 1,679,230; July 31.
- Index. R. C. Russell. 1,696,016; Dec. 18.
- Index and record, Visible loose-leaf. H. Schoolberg. 1,682,192; Aug. 28.
- Index and signal therefor, Card. A. H. Heiland. 1,688,965; Oct. 23.
- Index, Card. S. L. Forbes. 1,684,620; Sept. 18.
- Index, Card. R. A. Picard. 1,654,555; Jan. 3.
- Index, Card. J. L. Rowley. 1,692,140; Nov. 20.
- Index-card system, Visible. W. A. Ringler. 1,684,807; Sept. 18.
- Index-card system, Visible. W. A. Ringler. 1,695,698; Dec. 18.
- Index device. E. Carlson. 1,686,731; Oct. 9.
- Index device. W. H. Holmes. 1,657,471; Jan. 31.
- Index device. J. H. Rand. 1,658,393-4; Feb. 7.
- Index device. J. H. Rand, jr. 1,679,005; July 31.
- Index-element carrier. W. A. Ringler. 1,662,900; Mar. 20.
- Index or file. W. H. Day. 1,667,539; Apr. 24.
- Index or file. W. H. Day. 1,675,331; July 3.
- Index or file. W. H. Day. 1,695,322; Dec. 18.
- Index or file leaf. W. H. Day. 1,667,538; Apr. 24.
- Index or record. H. O. Ross. 1,694,517; Dec. 11.
- Index record, Visible card-. H. Schoolberg. 1,682,191; Aug. 28.
- Index strip, Flexible. F. D. Powell. 1,683,207; Sept. 4.
- Index system, Card-. D. E. Hunter. 1,668,908; May 8.
- Index system, Visible. G. Woodhouse. 1,680,355; Aug. 14.
- Index tabs, Cutting and wrapping. T. E. Heeter. 1,686,132; Oct. 2.
- Index, Telephone. M. M. Shore. 1,696,335; Dec. 25.
- Index, Visible. C. M. Conger. 1,683,447; Sept. 4.
- Index, Visible. W. A. Ringler. 1,662,337; Mar. 13.
- Index, Visible. W. A. Ringler. 1,668,733; May 8.
- Index, Visible card. A. Von Auw. 1,678,541; July 24.
- Indexing. R. A. Jonas. 1,683,468; Sept. 4.

- Indexing and clamping device. W. K. Andrew. 1,675,150; June 26.
- Indexing device, Card-. D. A. Nevin. 1,662,534; Mar. 13.
- Indexing machine, Card-. D. A. Nevin. 1,662,535; Mar. 13.
- Indexing means for automatic turning and screwing machines. W. S. Ogilvie. 1,674,563; June 19.
- Indexing mechanism. E. W. Bullock and G. H. Bryan. 1,685,524; Sept. 4.
- Indicating and annunciating device, Street. E. Niethammer. 1,666,503; Apr. 17.
- Indicating and illuminating means for electric ranges, Current-. F. F. Forshoe. 1,678,856; July 31.
- Indicating and recording device for presses. R. G. Henley and B. Cook. 1,669,559; May 15.
- Indicating apparatus. J. W. Anderson. 1,694,903; Dec. 11.
- Indicating balance, Price-. K. Martin. 1,678,153; July 24.
- Indicating density of liquids, Device for. F. Schwartz. 1,691,084; Nov. 13.
- Indicating device. J. W. Anderson. 1,694,904-5; Dec. 11.
- Indicating device. F. H. Buckingham. 1,671,272; May 29.
- Indicating device. W. M. Dann. 1,685,938; Oct. 2.
- Indicating device. C. H. Hapgood. 1,667,890; May 1.
- Indicating device. A. Houston. 1,671,290; May 29.
- Indicating device. S. N. Hurt. 1,689,725; Oct. 30.
- Indicating device. J. E. Mann. 1,683,907; Sept. 11.
- Indicating device. H. Rabezzana. 1,668,732; May 8.
- Indicating device. E. C. Wells. 1,692,012; Nov. 20.
- Indicating device, Depth-. H. W. King. 1,679,222; July 31.
- Indicating device for automobiles and the like. W. G. Orth and G. H. Darst. 1,675,046; June 26.
- Indicating device for cooling systems. J. W. Anderson. 1,694,908; Dec. 11.
- Indicating device for gas meters, Tampering-. O. Rockenbauer. 1,678,955; July 31.
- Indicating device, Liquid-quantity-. E. V., jr., and N. Dittlinger. 1,676,255; July 10.
- Indicating device, Pressure-. J. H. Gartner. 1,675,410; July 3.
- Indicating device, Stock-. L. E. Hutchings. 1,694,877; Dec. 11.
- Indicating device, Street-. G. S. Searle. 1,668,981; May 8.
- Indicating device, Temperature-. H. Schlaich. 1,691,133; Nov. 13.
- Indicating devices. R. E. Booth. 1,694,307; Dec. 4.
- Indicating devices, Fitting for. L. A. Mapel. 1,658,930; Feb. 14.
- Indicating instrument. H. Schleich. 1,683,103; Sept. 4.
- Indicating instrument. J. Walsh. 1,672,666; June 5.
- Indicating instrument, Electrical. C. M. Adams. 1,695,264; Dec. 18.
- Indicating means. J. W. Anderson. 1,694,907; Dec. 11.
- Indicating means. B. F. Hutches, jr. 1,663,661; Mar. 27.
- Indicating means. E. F. Pierce. 1,663,483; Mar. 20.
- Indicating means for vending machines. F. J. Brandt. 1,686,949; Oct. 9.
- Indicating mechanism. J. Lawson. 1,684,101; Sept. 11.
- Indicating mechanism. F. F. Schroder. 1,670,744; May 22.
- Indicating mechanism. L. A. White. 1,696,512; Dec. 25.
- Indicating mechanism for vehicles, Speed-. C. de Malherbe. 1,686,623; Oct. 9.
- Indicating mechanism, Straight-line. J. Leopold. 1,673,009; July 24.
- Indicating quotations or other items, Method and apparatus for. R. L. Daine. 1,658,516; Feb. 7.
- Indicating system, Potential-. H. W. Drake. 1,679,326; July 31.
- Indicating the depth of liquids, Apparatus for. L. Murphy. 1,670,207; May 15.
- Indicating the direction or angle of stream lines in fluids particularly applicable for use in designing counter-propeller devices, Apparatus for. M. G. Holbeach. 1,685,025; Sept. 18.
- Indicating variation in flow of liquids, Device for. W. L. Marden. 1,687,627; Oct. 16.
- Indicator: See—
- Alignment indicator.
 - Angle indicator.
 - Automatic indicator.
 - Battery-charge indicator.
 - Boat-race indicator.
 - Control indicator.
 - Current-flow indicator.
 - Deflating indicator.
 - Defonation indicator.
 - Direction indicator.
 - Fare indicator.
 - Flow indicator.
 - Fluid indicator.
 - Game indicator.
 - Gear-shift indicator.
 - Grade Indicator.
 - Guest indicator.
 - Heat indicator.
 - Household commodity indicator.
 - Inclination indicator.
 - Latitude indicator.
 - Level indicator.
 - Light indicator.
 - Liquid-level indicator.
 - Liquid-quantity indicator.
 - Load indicator.
 - Lost-ball indicator.
 - Lubrication indicator.
 - Motor-connection indicator.
 - Motor indicator.
 - Office indicator.
 - Oiling indicator.
 - Page-end-margin indicator.
 - Paper-break indicator.
 - Phase indicator.
 - Pressure indicator.
 - Price indicator.
 - Railway-car indicator.
 - Reflection indicator.
 - Relay operation indicator.
 - Scale indicator.
 - Schedule indicator.
 - Screw-thread tolerance indicator.
 - Service indicator.
 - Slip indicator.
 - Specific-gravity indicator.
 - Speed indicator.
 - Station indicator.
 - Stock-level indicator.
 - Street and station indicator.
 - Street indicator.
 - Tactical indicator.
 - Telegraph indicator.
 - Temperature indicator.
 - Test indicator.
 - Thermal indicator.
 - Time-clock indicator.
 - Tire-pressure indicator.
 - Track-gauge indicator.
 - Traffic indicator.
 - Turn indicator.
 - Valve indicator.
 - Water-level indicator.
- Indicator. J. W. Anderson. 1,694,902; Dec. 11.
- Indicator. E. Batchelder. 1,656,262; Jan. 17.
- Indicator. C. B. Ficklen. 1,679,821; Aug. 7.
- Indicator. V. F. Greaves. 1,691,569; Nov. 13.
- Indicator. N. C. McConahy. 1,662,463; Mar. 13.
- Indicator. F. B. Newell. 1,692,513; Nov. 20.
- Indicator. O. C. Reeves. 1,689,686; Oct. 30.
- Indicator. J. S. Reid. 1,672,089; June 5.
- Indicator. M. H. Winkler. 1,687,276; Oct. 9.
- Indicator and control system, Stability. R. T. Pierce. 1,673,587; June 12.
- Indicator and recorder. H. W. Payne. 1,674,792; June 26.
- Indicator and recorder, Torsional vibration. C. E. Summers. 1,679,995; Aug. 7.
- Indicator and regulator for electric motors, Speed. G. von Arco, W. Schaeffer, and W. Moser. 1,691,618; Nov. 13.
- Indicator board. D. Brown. 1,694,639; Dec. 11.
- Indicator device. F. H. White. 1,694,048; Dec. 4.
- Indicator facings to indicator bodies, Securing. P. E. Pulverman. 1,687,889; Oct. 16.
- Indicator for automatic slowness testers. M. O. Schur. 1,666,034; Apr. 10.
- Indicator for automobiles, Fuel-consumption. C. J. Gardeen. 1,690,328; Nov. 6.
- Indicator for automobiles, Oil-level. R. von Scheven. 1,669,684; May 15.
- Indicator for automobiles, Wheel-angle. W. J. Meredith. 1,675,656; July 3.
- Indicator for cooling systems. J. W. Anderson. 1,694,906; Dec. 11.
- Indicator for elevators or the like. H. F. Cypser. 1,691,798; Nov. 13.
- Indicator for gauge measuring, Precision. M. Bartholdy. 1,671,220; May 29.
- Indicator for high-pressure vessels or containers, Fluid-level. S. Löffler. 1,658,449; Feb. 7.
- Indicator for internal-combustion engines, Heat. L. M. Spencer and J. Zubaty. 1,694,871; Dec. 11.
- Indicator for Jacquard looms, Box. H. S. Favor and G. J. Pfeiffer. 1,692,981; Nov. 27.
- Indicator for looms, Jacquard. E. R. Holmes. 1,691,154; Nov. 13.
- Indicator for memory checking devices. R. B. Kingman. 1,683,358; Sept. 4.
- Indicator for motion-picture-projection apparatus. M. Hoffman. 1,694,942-3; Dec. 11.
- Indicator for tables, Place. C. F. Jacobs. 1,692,742; Nov. 20.
- Indicator for trains, Automatic station. I. Mendelsohn. 1,688,979; Oct. 23.
- Indicator for vehicles, Direction. A. Galley. 1,691,845; Nov. 13.
- Indicator for vehicles, Direction. S. W. Mayhew. 1,688,086; Oct. 16.
- Indicator gauge. L. Scusa. 1,679,501; Aug. 7.
- Indicator or prompter for household or other purposes. J. de Bracht. 1,684,346; Sept. 11.
- Indicator-securing means, Thermostatic. C. H. Morrow. 1,687,104; Oct. 9.
- Indicator switch. B. H. Smith. 1,668,738; May 8.
- Indicator with electric integration for fluids and gases flowing through a Venturi tube, Rate-of-flow. W. Kath. 1,668,457; May 1.
- Indigo, Manufacture of. C. J. Strosacker and C. C. Kennedy. 1,678,619; July 24.
- Indigo white, Producing. J. E. Seitz. 1,657,869; Jan. 31.
- Indophenols, Making. R. W. Hess and O. D. Cunningham. 1,662,062; Mar. 13.
- Inducing and increasing the flow of wells, Method of and apparatus for. C. Ochs and B. Hildebrand. 1,682,929; Sept. 4.
- Inductance. F. W. Sickles. 1,680,955; Aug. 14.
- Inductance apparatus. B. J. Simmons. 1,662,132; Mar. 13.
- Inductance apparatus, Variable-. H. Vadersen. 1,664,495; Apr. 3.
- Inductance device, Variable. M. K. Akers. 1,689,006; Oct. 23.
- Inductance furnace. P. H. Brace. 1,655,983; Jan. 10.
- Inductance, Variable. N. H. Clough. 1,692,331; Nov. 20.
- Inductance, Variable. J. C. De Pue. 1,684,013; Sept. 11.
- Induction apparatus, Electric. H. Grünholz. 1,694,318; Dec. 4.
- Induction apparatus, High-frequency. E. Thomson. 1,683,146; Sept. 4.
- Induction coil, Burglarproof. H. J. Murray. Re16,920; Apr. 3.
- Induction exhauster. C. T. Cabrera. 1,676,078; July 3.
- Induction furnace. P. H. Brace. 1,680,407; Aug. 14.
- Induction furnace. R. Gross. 1,676,545; July 10.
- Induction furnace. R. B. Lincoln. 1,682,388; Aug. 28.
- Induction furnace. J. M. Weed. 1,669,109; May 8.

- Induction furnace, High-frequency. G. F. Harrington and P. H. Brace. 1,691,349; Nov. 13.
- Induction furnace, High-frequency. E. F. Northrup. 1,694,792; Dec. 11.
- Induction meter. A. Callen. 1,695,878; Dec. 18.
- Induction motor. S. R. Bergman. 1,695,946; Dec. 18.
- Induction motor. F. S. Kingston. 1,665,742; Apr. 10.
- Induction motor. H. Maxwell. 1,680,688; Aug. 14.
- Induction motor. H. Maxwell. 1,685,677; Sept. 25.
- Induction motor. R. Rüdenberg. 1,671,488; May 29.
- Induction motor. P. F. Shivers. 1,654,840; Jan. 3.
- Induction motor, Alternating-current. L. Schön. 1,690,953; Nov. 6.
- Induction motor, Alternating-current. L. Schön and W. Leukert. 1,675,960; July 3.
- Induction motor, Compensated. F. Kade. 1,657,677; Jan. 31.
- Induction motor, Self-starting. K. L. Hansen and W. J. Oesterlein. 1,694,061; Dec. 4.
- Induction motor, Self-starting synchronous. C. Fayer. 1,695,484; Dec. 18.
- Induction motors, Forming. S. R. Bergman. 1,695,947; Dec. 18.
- Induction pressure or vacuum furnace. E. F. Northrup. 1,683,986; Sept. 11.
- Induction regulator. D. L. Alexander. 1,671,963; June 5.
- Induction regulator. M. Gelman and F. Urschler, sr. 1,687,648; Oct. 16.
- Induction regulator. P. Suter. 1,657,445; Jan. 24.
- Induction unit. L. M. Martin. 1,668,414; May 1.
- Inductive reactor. J. McIntosh. 1,661,953; Mar. 6.
- Inductive unit and the like. T. A. Banning, jr. 1,667,715; May 1.
- Inductor for magneto-electric machines. M. A. Pattay and E. Jaquemot. 1,686,343; Oct. 2.
- Inflatable ball. F. Dieterle. 1,660,378; Feb. 28.
- Inflatable ball. I. I. Tubbs. 1,664,336; Mar. 27.
- Inflatable ball. A. J. Turner. 1,667,088; Apr. 24.
- Inflatable ball. A. J. Turner. 1,669,221; May 8.
- Inflatable form. H. M. Becher and I. Levin. 1,669,733; May 15.
- Inflation device. E. J. Olsen. 1,682,625; Aug. 28.
- Inflow-controlling and fluid-discharge means, Combination. M. S. Young and A. Novick. 1,682,544; Aug. 28.
- Information display device. E. Isbell. 1,664,511; Apr. 3.
- Infra-red-ray generator. H. P. MacLagan. 1,688,124; Oct. 16.
- Infusing and filtering coffee, tea, and the like, Apparatus for. E. N. Bachelier. 1,665,199; Apr. 10.
- Ingot mold. J. C. Beckfield. 1,671,806; May 29.
- Ingot mold. E. Gathmann. 1,660,037; Feb. 21.
- Ingot mold. E. Gathmann. 1,661,039; Feb. 28.
- Ingot mold. E. Gathmann. 1,667,289; Apr. 24.
- Ingot mold. E. Gathmann. 1,680,872; Aug. 14.
- Ingot mold. E. R. Williams. 1,672,479; June 5.
- Ingot mold and stool. J. E. Perry. 1,665,275; Apr. 10.
- Ingot mold, Closed-bottom. J. E. Perry. 1,658,350; Feb. 7.
- Ingot-mold set-up. W. H. Ramage. 1,673,778; June 12.
- Ingot molds, Hot top for. E. L. Messler. 1,668,567; May 8.
- Ingot molds, Hot top for. W. H. Ramage. 1,639,175; Oct. 23.
- Ingot molds, Separable hot top for. J. E. Perry. 1,689,174; Oct. 23.
- Ingot molds, Shrink-head casing for. E. Gathmann. 1,663,450; Mar. 20.
- Ingots, Casting of. C. A. Parsons and H. M. Duncan. 1,671,253; May 29.
- Ingots for working, Producing and preparing. P. Eyer-mann. 1,672,999; June 12.
- Ingots, Method and apparatus for casting. E. C. Washburn. 1,670,329; May 22.
- Ingots, Method of and apparatus for casting. J. A. Durfee. 1,678,976; July 31.
- Inhaler. A. H. Braecklein. 1,671,011; May 22.
- Inhaler, Electric. H. A. Chouinard. 1,659,970; Feb. 21.
- Inhaler, Vaporizing. F. C. Dormert. 1,679,816; Aug. 7.
- Inhaling apparatus for narcotics. H. W. C. Schröder. 1,683,144; Sept. 4.
- Inhaling device. J. W. McMillan. 1,683,686; Sept. 11.
- Inhaling device for administering gases and the like. H. W. C. Schröder. 1,695,930; Dec. 18.
- Initiation device. U. S. De Moulin. 1,691,229; Nov. 13.
- Initial-charge-increasing mechanism. J. Gluck. 1,688,383; Oct. 23.
- Injecting liquid fuel into internal-combustion engines. S. D. Olsen. 1,687,176; Oct. 9.
- Injector. W. S. Brown. 1,671,851; May 29.
- Injector. J. M. Gonzales. 1,693,201; Nov. 27.
- Injector. M. Hard. 1,659,686; Feb. 21.
- Injector. S. L. Kneass and I. P. Pedrick. 1,683,784; Sept. 11.
- Injector, Automatic. C. W. Barton. 1,683,647; Sept. 11.
- Injector, Capsule. F. C. Boyne. 1,694,246; Dec. 4.
- Injector, Exhaust-steam. J. F. Griffin. 1,663,587; Apr. 10.
- Injector, Exhaust-steam. J. Griffin. 1,689,336; Oct. 30.
- Injector for internal-combustion engines, Fuel. A. E. Winckler. 1,691,172; Nov. 13.
- Injector or aspirator. H. V. Riehl. 1,661,960; Mar. 6.
- Injector, Steam and air. J. Doherty. 1,685,482; Sept. 25.
- Injector, Water-softener. C. A. Stickney. 1,692,592; Nov. 20.
- Injectors, Exhaust-steam-pressure control for. R. J. Van Meter. 1,680,075; Aug. 7.
- Ink and making same, Water-color printing. J. Hoefler. 1,660,196; Feb. 21.
- Ink cartridge. R. T. Pollock. 1,671,125; May 29.
- Ink, Conditioning printing. L. W. Claybourn. 1,675,695; July 3.
- Ink-grinder-adjusting attachment. G. A. Vasei. 1,656,547; Jan. 17.
- Ink, Method and composition for removing drawing. F. N. Steigleder. 1,672,790; June 5.
- Ink, Printing. K. Stephan. 1,689,368; Oct. 30.
- Ink, Process and apparatus for producing printing. J. J. Jakosky. 1,673,245; June 12.
- Ink-regulating mechanism for extended-delivery devices of printing presses. F. S. English. 1,691,051; Nov. 13.
- Ink remover. H. F. Porter. 1,658,739; Feb. 7.
- Ink-supplying means for printing presses. A. S. J. Dawe. 1,690,888; Nov. 6.
- Inking arrangement for line-by-line writing machines. A. A. Egli. 1,669,933; May 15.
- Inking attachment. W. MacDonald. 1,688,281; Oct. 16.
- Inking attachment for printing machines. L. H. Morse. 1,683,840; Sept. 11.
- Inking device. A. Jelfield. 1,675,104; June 26.
- Inking device. F. W. Storck. 1,689,177; Oct. 23.
- Inking device for printing and embossing machines. W. C. Fellows. 1,680,530; Aug. 14.
- Inking means for printing machines. F. W. Manton. 1,680,559; Aug. 14.
- Inking mechanism. A. F. Zeitinger. 1,675,442; July 3.
- Inking mechanism for intaglio-printing machines. A. M. Zuckerman. 1,695,793; Dec. 18.
- Inking mechanism for printing presses. I. Carson. 1,675,448; July 3.
- Inking mechanism or machines for franking postal matter and the like. U. Kohler. 1,665,884; Apr. 10.
- Inking roller and projecting journal supports of same, Printer's. W. C. Hart. 1,694,217; Dec. 4.
- Inkstand and penrack, Combined. S. Keltonik. 1,668,914; May 8.
- Inlet box. H. D. Symonds and H. J. Cullen. 1,694,347; Dec. 4.
- Innersole-applying device. G. F. Quinby. Re. 17,018; July 3.
- Inner-tube-inspection apparatus. J. R. Gammeter. 1,690,164; Nov. 6.
- Inner tube, Metallic. C. C. Hupp. 1,670,260; May 15.
- Inner tube, Puncture-sealing. S. T. Allen. 1,689,907; Oct. 30.
- Inner tube, Self-healing. W. Fetter. 1,683,454; Sept. 4.
- Inner-tube tester. G. E. Mancos. 1,666,712; Apr. 17.
- Inner tubes, Apparatus for making. C. E. Lowe. 1,660,343; Feb. 28.
- Inner tubes, Apparatus for manufacturing. M. H. Pade. 1,677,868; July 17.
- Inner tubes, Preparing articles such as valve-stem pads for. C. C. Shipman. 1,655,879; Jan. 10.
- Inscribing instrument. C. A. Garvey. 1,687,647; Oct. 16.
- Insect destroyer. G. Robeson. 1,669,913; May 15.
- Insect destroyer. H. E. Voss. 1,664,762; Apr. 3.
- Insect-destroying device. W. C. Blanks, H. F. Snyder, and J. Mikulasek. 1,654,783; Jan. 3.
- Insect-gathering machine. J. P. Owens. 1,686,394; Oct. 2.
- Insect-poison feeder. L. A. Mattes. 1,666,538; Apr. 17.
- Insect screen. H. H. Cragg. 1,691,226; Nov. 13.
- Insect trap. A. V. Meyer. 1,672,576; June 5.
- Insect trap. A. S. Northrup. 1,685,241; Sept. 25.
- Insect trap. J. Palubiak. 1,661,084; Feb. 28.
- Insect trap. W. O. Roberts and R. J. Keays. 1,681,625; Aug. 21.
- Insect trap. M. Steiner. 1,667,876; May 1.
- Insecticidal plant food for fertilizer. F. G. Dokken-wadel. 1,696,709; Dec. 25.
- Insecticide. R. P. Soule. 1,655,573; Jan. 10.
- Insecticide and fungicide. F. M. Rogers and C. P. McNeil. 1,679,919; Aug. 7.
- Insecticide applying machine. E. M. Cole. 1,672,058; June 5.
- Insecticide holder. S. D. Goldish. 1,658,596; Feb. 7.
- Insecticides, Apparatus for distributing. J. M. Robbins. 1,661,092; Feb. 28.
- Insecticides, Manufacture of. H. W. Ambruster. 1,691,454; Nov. 13.
- Inserting bags, Device for. G. F. Wickle. 1,689,845; Oct. 30.
- Inserting fastenings. R. H. Lawson. 1,686,820; Oct. 9.
- Inserting machine, Carpet-wire blade. H. J. Gaisman. 1,694,875; Dec. 11.
- Inserting machine, Fastening. F. L. Mackenzie. 1,675,569; July 3.
- Inserting or seating the outer races of ball bearings, bushings, and the like in machine housings. A. C. Lyen and C. W. Morgan. 1,675,568; July 3.
- Insignia, pennant. B. E. Pitt and E. R. McKenzie. 1,672,134; June 5.
- Insole. P. Saperston. 1,676,355; July 10.
- Insole. L. Q. White. 1,662,624; Mar. 13.
- Insole for boots and shoes. F. P. Lioy. 1,689,398; Oct. 30.
- Insole-making machine. E. E. Sabin and E. A. Holmgren. 1,667,951; May 1.
- Inspecting apparatus. A. Broadmeyer. 1,685,761; Sept. 25.
- Installing device for placing reinforcing in concrete. S. M. Kirshner. 1,688,973; Oct. 23.

- Instructing device. M. Centorrino. 1,678,689; July 31.
 Instrument. H. Schlaich. 1,691,135; Nov. 13.
 Instrument assembly. A. Champion. 1,688,522; Oct. 23.
 Instrument assembly. J. Zubaty. 1,671,919; May 29.
 Instrument-board and gas-tank construction, Combined. H. Ford. 1,677,279; July 17.
 Instrument-board assembly. F. N. Nutt. 1,686,169; Oct. 2.
 Instrument-board illumination. H. C. Doane. 1,671,927; May 29.
 Instrument casing. H. A. Douglas. 1,657,005; Jan. 24.
 Instrument control. W. M. Brower. 1,696,380; Dec. 25.
 Instrument, Electrosurgical. F. H. Wappler, G. H. Hultman, and C. Fayer. 1,683,708; Sept. 11.
 Instrument for administering medicines to animals. N. Aas. 1,679,391; Aug. 7.
 Instrument for drawing, marking out, and measuring, or like purposes. A. E. Haywood. 1,666,934; Apr. 24.
 Instrument for implanting radon seeds. J. Muir. 1,655,158; Jan. 3.
 Instrument for indicating direction of forces. C. H. Colvin. 1,667,840; May 1.
 Instrument for piercing and closing metallic receptacles. G. L. Anderson. 1,670,676; May 22.
 Instrument for setting up profiles. S. Hagen. 1,666,563; Apr. 17.
 Instrument holder. A. Isecoff. 1,669,523; May 15.
 Instrument mount, Illuminated. W. H. Schulze. 1,659,787; Feb. 21.
 Instrument, Optometrical. I. Dvorine. 1,675,407; July 3.
 Instrument panel. A. Champion. 1,675,639; July 3.
 Instrument panel. J. T. Fitzsimmons. 1,694,006; Dec. 4.
 Instrument panel. E. A. Gustafson. 1,664,679; Apr. 3.
 Instrument panel. J. R. Padesky. 1,687,885; Oct. 16.
 Instrument player, Stringed-. J. B. Wolfe. 1,691,506; Nov. 13.
 Instrument, Plotting. A. L. Clark, jr. 1,682,035; Aug. 28.
 Instrument structure. P. MacGahan. 1,685,951; Oct. 2.
 Insulated conductor. E. B. Wheeler. 1,687,912; Oct. 16.
 Insulated conductor. R. R. Williams. 1,685,386; Sept. 25.
 Insulated contact member. R. V. Phillips. 1,686,251; Oct. 2.
 Insulated control. A. O. Austin. 1,691,751; Nov. 13.
 Insulated flexible conductor and producing same. F. Meiwald. 1,686,098; Oct. 2.
 Insulated-switch-rod sleeve. T. O'Brien. 1,671,738; May 29.
 Insulated terminal. J. M. Lenz. 1,667,598; Apr. 24.
 Insulated vessel. C. E. Bultman. 1,676,004; July 3.
 Insulated vessel for food, Heat-. J. L. Leslie. 1,662,860; Mar. 20.
 Insulated wall. H. S. Ashenhurst. 1,671,266; May 29.
 Insulated wire. E. B. Wheeler. 1,639,311; Oct. 30.
 Insulated-wire stripper. L. Johnson. 1,661,180; Mar. 6.
 Insulated-wire-stripping device. L. Johnson and A. N. Wentink. 1,673,196; June 12.
 Insulated wires, Braid stripper for. H. D. Bender and R. J. Kent. 1,663,748; Mar. 27.
 Insulating board. D. Finley. 1,685,320; Sept. 25.
 Insulating board and making same, Press-dried structural. W. H. Mason. 1,663,504; Mar. 20.
 Insulating board with hard welded surfaces, Integral. W. H. Mason. 1,663,506; Mar. 20.
 Insulating boards of exploded ligno-cellulose fiber, Making structural. W. H. Mason. 1,663,503; Mar. 20.
 Insulating buildings. H. S. Ashenhurst. 1,654,522; Jan. 3.
 Insulating bushings and making the same. M. Morrison. 1,691,356; Nov. 13.
 Insulating cap for the joints of electrical conductors. F. M. van Gelderen. 1,678,752; July 31.
 Insulating cell, Slot-. M. Sandfield. 1,695,862; Dec. 18.
 Insulating conductors. R. R. Williams. 1,639,312; Oct. 30.
 Insulating lid, Heat-. H. D. Geyer. 1,679,419; Aug. 7.
 Insulating material. W. M. Emerson. 1,687,285; Oct. 9.
 Insulating material and producing the same. A. R. Kemp. 1,656,737; Jan. 17.
 Insulating material, Elastic. E. W. Davis. 1,672,639; June 5.
 Insulating motor windings. T. G. Myers. 1,675,419; July 3.
 Insulating rack. W. D. Kyle. 1,686,216; Oct. 2.
 Insulating structure. O. F. Mottweiler and D. C. Drill. 1,691,783; Nov. 13.
 Insulating structure, Thermal. H. B. Lindsay. 1,694,947; Dec. 11.
 Insulating support for electric resistance heating element. L. J. Fuller. 1,695,234; Dec. 11.
 Insulating tube. P. A. Hünemann. 1,667,035; Apr. 24.
 Insulating unit for deadening vibration and sound. S. Rosenzweig. 1,666,311; Apr. 17.
 Insulating units, Making sound and vibration. S. Rosenzweig. 1,685,244; Sept. 25.
 Insulating wall, Heat-. M. L. Bullard. 1,660,916; Feb. 28.
 Insulation and making same, Waterproof heat. B. F. Wallace. 1,678,659; July 31.
 Insulation and producing the same, Flameproof electric. E. G. Sturdevant. 1,687,525; Oct. 16.
 Insulation cutter. E. B. Stack. 1,661,056; Feb. 28.
 Insulation in slotted armatures, Inserting. J. F. Cullin. 1,668,192; May 1.
 Insulation of conductors used in electrical apparatus. C. A. Parsons and J. Rosen. 1,685,722; Sept. 25.
 Insulator. C. Aalborg. 1,689,906; Oct. 30.
 Insulator. A. O. Austin. 1,659,183; Feb. 14.
 Insulator. A. O. Austin. 1,691,330; Nov. 13.
 Insulator. O. D. Babineau. 1,675,589; July 3.
 Insulator. B. E. Colburn. 1,655,892; Jan. 10.
 Insulator. W. S. Cook. 1,672,059; June 5.
 Insulator. G. I. Gilchrist. 1,664,208; Mar. 27.
 Insulator. G. I. Gilchrist. 1,693,380-1; Nov. 27.
 Insulator. W. T. Goddard. 1,695,458; Dec. 18.
 Insulator. C. S. Gordon. 1,694,415; Dec. 11.
 Insulator. C. S. Gordon and J. T. Lowe. 1,687,495; Oct. 16.
 Insulator. M. F. H. Gouverneur. 1,688,011; Oct. 16.
 Insulator. M. F. H. Gouverneur. 1,690,291; Nov. 6.
 Insulator. E. I. Green. 1,659,731; Feb. 21.
 Insulator. K. A. Hawley. 1,661,823; Mar. 6.
 Insulator. K. A. Hawley. 1,688,015; Oct. 16.
 Insulator. J. R. Heller. 1,664,172; Mar. 27.
 Insulator. R. P. Jackson. 1,677,346; July 17.
 Insulator. W. D. Kyle and L. E. Hendee. 1,674,905; June 26.
 Insulator. J. R. Marshall. 1,678,992; July 31.
 Insulator. F. H. Miller. 1,669,529; May 15.
 Insulator. D. F. Miner. 1,684,066; Sept. 11.
 Insulator. F. Reiter. 1,695,858; Dec. 18.
 Insulator. W. H. Schramm. 1,684,152; Sept. 11.
 Insulator. A. G. Steinmayer. 1,681,378; Aug. 21.
 Insulator. L. T. Wilson. 1,678,663; July 31.
 Insulator and making the same, Fiber. E. Burke. 1,691,005; Nov. 6.
 Insulator and material and manufacturing the same, Cap. L. G. Lange. 1,657,802; Jan. 31.
 Insulator and protector for milk bottles and the like, Combined heat. I. Meltzer. 1,669,061; May 8.
 Insulator caps, Forging. H. C. Haight. 1,658,377; Feb. 7.
 Insulator caps, Forging. G. H. Higgins. 1,678,594; July 24.
 Insulator connector. G. M. Eaton and E. E. Rose. 1,680,411; Aug. 14.
 Insulator, Electrical. W. S. Cook. 1,688,411; Oct. 23.
 Insulator, Electrical. E. A. Dean. 1,654,534; Jan. 3.
 Insulator, Electrical. J. J. Fischer and W. R. Payne. 1,684,312; Sept. 11.
 Insulator fitting. A. O. Austin. 1,682,105; Aug. 28.
 Insulator, High-tension. M. F. H. Gouverneur. 1,684,441; Sept. 18.
 Insulator-knurling device. M. F. H. Gouverneur. 1,687,759; Oct. 16.
 Insulator, Line-conductor. W. D. Kyle. 1,663,011; Mar. 20.
 Insulator pin. J. P. Arndt. 1,670,429; May 22.
 Insulator pin. A. O. Austin. 1,657,340-1; Jan. 24.
 Insulator pin. A. O. Austin. 1,690,392; Nov. 6.
 Insulator pin. C. P. Seyler. 1,690,596; Nov. 6.
 Insulator pin and manufacturing the same. A. O. Austin. 1,682,590; Aug. 28.
 Insulator pins, Manufacturing. A. O. Austin. 1,685,833-4; Oct. 2.
 Insulator rack. W. D. Kyle. 1,696,491; Dec. 25.
 Insulator structure. W. K. Naylor. 1,677,150; Dec. 4.
 Insulator structure. W. K. Naylor. 1,673,582; June 12.
 Insulator-supporting pin. B. A. Plimpton. 1,696,861; Dec. 25.
 Insulator suspension, Multiple-string. R. H. Marvin. 1,690,989; Nov. 6.
 Insulator, Tubular. E. H. Buckley. 1,678,054; July 24.
 Insulator, Water-spray. P. R. Fortin. 1,655,262; Jan. 3.
 Insulator with hood and deformable pivoting system forming an articulated joint, Suspension. A. Richard. 1,657,035; Jan. 24.
 Insulators, Apparatus for undercutting pinholes in the center shells of. W. H. Smith. 1,677,498; July 17.
 Insulators, Assembling. W. T. Goddard. 1,657,922; Jan. 31.
 Insulators, Chain link for. M. F. H. and F. H. Gouverneur. 1,657,924; Jan. 31.
 Insulators, Connector for strain. G. W. Bower. 1,680,724; Aug. 14.
 Insulators, Forming electrical. I. Q. Gurnee. 1,660,441; Feb. 28.
 Insulators, Making. E. Thomson. 1,680,705; Aug. 14.
 Insulators, pins, and cross arms, Reduction of losses in. H. A. Affel and E. I. Green. 1,687,535; Oct. 16.
 Intake heater. B. S. Johnson. 1,673,568; June 12.
 Intake heater. A. Taub. 1,655,170; Jan. 3.
 Interchangeable selective controlling means including player for musical instruments. R. Mayhew. 1,657,169; Jan. 24.
 Interconversion of reciprocating and rotary motion, Mechanism for the. A. G. M. Michell. 1,682,924; Sept. 4.
 Interference elimination. A. Hubner. 1,687,295; Oct. 9.
 Interference-reducing means for radio receiving apparatus. R. H. Ranger. 1,683,916; Sept. 11.
 Interfolding machine. P. J. Christman. 1,666,553; Apr. 17.
 Interfolding machine. P. J. Christman, jr. 1,675,162; June 26.
 Interior covering structure for rooms and applying the same. T. J. Mell. 1,661,078; Feb. 28.
 Interleaving device. E. J. Brasseur. 1,682,699; Aug. 28.
 Interliner. R. Schäfer. 1,656,832; Jan. 17.

- Interliner. R. Stiatessi. 1,672,008; June 5.
 Interlock for elevators. M. J. Robertson. 1,695,469; Dec. 18.
 Interlocking and uniting the hooked edges of blanks to form can bodies, Apparatus for. J. A. Gray. 1,689,669; Oct. 30.
 Interlocking mechanism. C. W. Wyman. 1,696,747; Dec. 25.
 Interlocking mechanism for visible dispensing apparatus. L. E. Baker. 1,670,400; May 22.
 Interlocking sectional sheet-metal construction. C. P. Madsen. 1,674,908; June 26.
 Interlocking system, Automatic. R. M. Robinson. 1,658,741; Feb. 7.
 Intermittent exhibiting device, Automatic. J. Gage. 1,693,893; Dec. 4.
 Intermittent thermal switch. H. F. Löwenstein. 1,684,709; Sept. 18.
 Internal brake. L. E. La Brie. 1,671,645; May 29.
 Internal-combustion engine. E. T. Adams. 1,678,897; July 31.
 Internal-combustion engine. W. Allan. 1,684,293; Sept. 11.
 Internal-combustion engine. S. S. Allwill. 1,668,883; May 8.
 Internal-combustion engine. S. S. Allwill. 1,671,661; May 29.
 Internal-combustion engine. J. O. Almen. 1,679,924; Aug. 7.
 Internal-combustion engine. G. D. Angle. 1,670,294; May 22.
 Internal-combustion engine. R. Archer. 1,695,704; Dec. 18.
 Internal-combustion engine. J. Astrom. 1,664,056; Mar. 27.
 Internal-combustion engine. J. A. H. Barkeij. 1,666,159; Apr. 17.
 Internal-combustion engine. C. G. Barrett. 1,671,504; May 29.
 Internal-combustion engine. L. F. Beaulieu. 1,660,315; Feb. 28.
 Internal-combustion engine. J. C. Briggs. 1,671,400; May 29.
 Internal-combustion engine. W. B. Bronander. 1,682,111; Aug. 28.
 Internal-combustion engine. A. P. Brush. 1,616,894; Mar. 6.
 Internal-combustion engine. E. A. Buckman and T. F. Morson. 1,672,869; June 12.
 Internal-combustion engine. F. A. Bullington. 1,676,212; July 3.
 Internal-combustion engine. E. R. Burtnett. 1,656,315-17; Jan. 17.
 Internal-combustion engine. E. R. Burtnett. 1,660,858-61; Feb. 28.
 Internal-combustion engine. E. R. Burtnett. 1,661,557-9; Mar. 6.
 Internal-combustion engine. E. R. Burtnett. 1,673,181-3; June 12.
 Internal-combustion engine. E. R. Burtnett. 1,674,818; June 26.
 Internal-combustion engine. E. R. Burtnett. 1,679,958-9; Aug. 7.
 Internal-combustion engine. E. R. Burtnett. 1,688,610; Oct. 23.
 Internal-combustion engine. E. R. Burtnett. 1,692,025; Nov. 20.
 Internal-combustion engine. J. Brugger. 1,686,794; Oct. 9.
 Internal-combustion engine. C. S. Clark. 1,660,255; Feb. 21.
 Internal-combustion engine. E. E. Clement. 1,693,547; Nov. 27.
 Internal-combustion engine. D. Cole. 1,677,429; July 17.
 Internal-combustion engine. E. C. Cooper. 1,684,910; Sept. 18.
 Internal-combustion engine. J. F. Coverstone. 1,671,926; May 29.
 Internal-combustion engine. J. F. Crawford. 1,654,963; Jan. 3.
 Internal-combustion engine. G. R. Davenport. 1,660,599; Feb. 28.
 Internal-combustion engine. D. A. Davison. 1,684,434-5; Sept. 18.
 Internal-combustion engine. G. K. Davol. 1,691,182; Nov. 13.
 Internal-combustion engine. J. E. De Baun. 1,687,547; Oct. 16.
 Internal-combustion engine. F. De Lautour. 1,680,505; Aug. 14.
 Internal-combustion engine. R. L. Dennison. 1,662,740; Mar. 13.
 Internal-combustion engine. W. P. Deppé. 1,685,564; Sept. 25.
 Internal-combustion engine. H. I. A. Dorner. 1,662,106; Mar. 13.
 Internal-combustion engine. B. L. Edds. 1,662,379; Mar. 13.
 Internal-combustion engine. H. J. Edwards. 1,694,642; Dec. 11.
 Internal-combustion engine. K. Eiermann. 1,661,171; Mar. 6.
 Internal-combustion engine. H. L. Elliott and R. A. Carrol. 1,696,475; Dec. 25.
 Internal-combustion engine. A. F. Evans. 1,673,280; June 12.
 Internal-combustion engine. H. E. Eversmann. 1,660,706; Feb. 28.
 Internal-combustion engine. S. I. Fekete. 1,656,051; Jan. 10.
 Internal-combustion engine. G. Fornaca. 1,660,609; Feb. 28.
 Internal-combustion engine. E. H. Friend and A. G. Bentley. 1,679,766; Aug. 7.
 Internal-combustion engine. J. N. Fuller. 1,675,702; July 3.
 Internal-combustion engine. J. F. Gardner. 1,655,541; Jan. 10.
 Internal-combustion engine. J. E. Gauthier. 1,660,487; Feb. 28.
 Internal-combustion engine. W. M. Goodwin. 1,691,151; Nov. 13.
 Internal-combustion engine. L. S. Greene. 1,670,305; May 22.
 Internal-combustion engine. E. C. Gundelach. 1,692,730; Nov. 20.
 Internal-combustion engine. J. Haltenberger. 1,688,294; Oct. 16.
 Internal-combustion engine. L. B. Harris. 1,670,355; May 22.
 Internal-combustion engine. H. S. Hays. 1,682,512; Aug. 28.
 Internal-combustion engine. O. Hetlesater. 1,686,236; Oct. 2.
 Internal-combustion engine. M. F. Hill. 1,676,264; July 10.
 Internal-combustion engine. W. H. Hill. 1,692,339; Nov. 20.
 Internal-combustion engine. J. B. Hird, jr. 1,678,221; July 24.
 Internal-combustion engine. L. V. Hosford. 1,680,883; Aug. 14.
 Internal-combustion engine. H. L. Hosterman. 1,659,528; Feb. 14.
 Internal-combustion engine. F. Huber. 1,672,031; June 5.
 Internal-combustion engine. D. M. Hughes. 1,657,399; Jan. 24.
 Internal-combustion engine. P. L. Joslyn. 1,671,826; May 29.
 Internal-combustion engine. H. Junkers. 1,679,976; Aug. 7.
 Internal-combustion engine. E. Just. 1,692,840; Nov. 27.
 Internal-combustion engine. J. M. King. 1,669,763; May 15.
 Internal-combustion engine. G. A. Kolb. 1,692,845; Nov. 27.
 Internal-combustion engine. E. Krettingen. 1,669,093; May 8.
 Internal-combustion engine. R. B. Kuhn. 1,681,544; Aug. 21.
 Internal-combustion engine. L. Lagali. 1,685,639; Sept. 25.
 Internal-combustion engine. F. Lang. 1,687,673; Oct. 16.
 Internal-combustion engine. F. Lang. 1,694,269; Dec. 4.
 Internal-combustion engine. C. L. Lee. 1,655,149; Jan. 3.
 Internal-combustion engine. R. J. Lee. 1,694,098; Dec. 4.
 Internal-combustion engine. H. E. Le Mesurier. 1,665,885; Apr. 10.
 Internal-combustion engine. G. A. Loud. 1,666,710; Apr. 17.
 Internal-combustion engine. M. Mackie. 1,674,290; June 19.
 Internal-combustion engine. E. C. Magdeburger. 1,664,782; Apr. 3.
 Internal-combustion engine. M. Martin and W. R. Werner. 1,666,941; Apr. 24.
 Internal-combustion engine. W. W. Marvin. 1,666,295; Apr. 17.
 Internal-combustion engine. W. McFarlane. 1,654,891; Jan. 3.
 Internal-combustion engine. N. E. Methlin. 1,688,550; Oct. 23.
 Internal-combustion engine. W. H. Millspaugh. 1,679,868; Aug. 7.
 Internal-combustion engine. A. Moorhouse. 1,682,793; Sept. 4.
 Internal-combustion engine. A. Moorhouse. 1,687,878; Oct. 16.
 Internal-combustion engine. T. E. Murray, jr. 1,665,468; Apr. 10.
 Internal-combustion engine. E. L. Myers. 1,670,874; May 22.
 Internal-combustion engine. E. Nibbs. 1,684,407; Sept. 18.
 Internal-combustion engine. W. Noble. 1,690,030; Oct. 30.
 Internal-combustion engine. H. A. Palmer. 1,696,054; Dec. 18.
 Internal-combustion engine. J. H. Pearce. 1,670,549; May 22.
 Internal-combustion engine. M. Pitzman. 1,680,567; Aug. 14.
 Internal-combustion engine. H. H. Platt. 1,687,348; Oct. 9.
 Internal-combustion engine. F. R. Porter. 1,671,254-5; May 29.

| | |
|---|---|
| Internal-combustion engine. L. E. Porter. 1,682,307; Aug. 28. | Internal-combustion engine. A. E. Winckler. 1,691,174; No. 13. |
| Internal-combustion engine. A. L. Powell. 1,654,701; Jan. 3. | Internal-combustion engine. E. C. Woodin. 1,672,594; June 5. |
| Internal-combustion engine. A. L. Powell. 1,677,407; July 17. | Internal-combustion engine. L. M. Woolson. 1,659,621; Feb. 21. |
| Internal-combustion engine. L. Raab. 1,674,568; June 19. | Internal-combustion engine. L. M. Woolson. 1,660,982; Feb. 28. |
| Internal-combustion engine. J. S. Reid. 1,667,049; Apr. 24. | Internal-combustion engine. L. M. Woolson. 1,665,396; Apr. 10. |
| Internal-combustion engine. R. A. Reynolds. 1,695,823; Dec. 18. | Internal-combustion engine. L. M. Woolson. 1,682,821; Sept. 4. |
| Internal-combustion engine. H. E. Rhoads. 1,658,417; Feb. 7. | Internal-combustion engine. L. M. Woolson. 1,687,917; Oct. 16. |
| Internal-combustion engine. G. H. Roose. 1,665,421; Apr. 10. | Internal-combustion engine. E. L. Wrentmore. 1,665,521; Apr. 10. |
| Internal-combustion engine. C. G. Ross. 1,689,689; Oct. 30. | Internal-combustion engine. W. M. Zaikowsky. 1,679,286; July 31. |
| Internal-combustion engine. F. H. Royce. 1,689,893; Oct. 30. | Internal-combustion engine. A. Zeman. 1,695,792; Dec. 18. |
| Internal-combustion engine. S. W. Rushmore. 1,658,463-4; Feb. 7. | Internal-combustion engine, Air-cooled. C. P. Brockway. 1,666,194; Apr. 17. |
| Internal-combustion engine. S. W. Rushmore. 1,669,672; May 15. | Internal-combustion engine, Air-cooling. S. D. Heron. 1,664,414; Apr. 3. |
| Internal-combustion engine. J. A. Rymer. 1,661,738; Mar. 6. | Internal-combustion engine, Double-acting four-cycle. C. E. Augner. 1,664,150; Mar. 27. |
| Internal-combustion engine. C. E. Sargent. 1,665,607; Apr. 10. | Internal-combustion engine, Double-acting two-stroke-cycle. G. Drummond. 1,693,024; Nov. 27. |
| Internal-combustion engine. D. T. Scott. 1,663,865; Mar. 27. | Internal-combustion engine, Rotary. A. J. Bodker. 1,661,593; Mar. 6. |
| Internal-combustion engine. C. Schaer. 1,678,956; July 31. | Internal-combustion engine, Rotary. L. A. Dowdey. 1,695,888; Dec. 18. |
| Internal-combustion engine. D. M. Shannon. 1,668,737; May 8. | Internal-combustion engine, Rotary. A. L. Powell. 1,687,511; Oct. 16. |
| Internal-combustion engine. W. Schulz. 1,688,944; Oct. 23. | Internal-combustion engine, Rotary. A. M. Riggs. 1,674,449; June 19. |
| Internal-combustion engine. A. C. Sinclair. 1,664,091; Mar. 27. | Internal-combustion engine, Rotary. J. A. Saxon. 1,686,767; Oct. 9. |
| Internal-combustion engine. D. C. Slaght. 1,681,910; Aug. 21. | Internal-combustion engine, Rotary-valve. J. B. Mankin. 1,686,758; Oct. 9. |
| Internal-combustion engine. S. L. Smith. 1,656,538; Jan. 17. | Internal-combustion engine, Scavenging. E. Herkt. 1,664,817; Apr. 3. |
| Internal-combustion engine. W. F. Smith. 1,691,616; Nov. 13. | Internal-combustion engine, Sleeve-valve. J. A. H. Barkel. 1,666,160; Apr. 17. |
| Internal-combustion engine. G. W. Smith, jr. 1,696,060; Dec. 18. | Internal-combustion engine, Two-cycle. A. O. Andersen. 1,662,097; Mar. 13. |
| Internal-combustion engine. F. R. Smith and S. M. Viale. 1,664,492; Apr. 3. | Internal-combustion engine, Two-cycle. M. G. Wood. 1,658,698; Feb. 7. |
| Internal-combustion engine. M. Spence. 1,665,192; Apr. 3. | Internal-combustion engine, Two-cycle multicylinder. C. Hanocq. 1,656,581; Jan. 17. |
| Internal-combustion engine. H. P. Stevens. 1,662,908; Mar. 20. | Internal-combustion engine, Two-stroke. E. Dutel and J. M. Perdoncini. 1,663,829; Mar. 27. |
| Internal-combustion engine. P. O. Stribling, jr. 1,666,838; Apr. 17. | Internal-combustion engine, Two-stroke. S. D. Olsen. 1,664,086; Mar. 27. |
| Internal-combustion engine. R. Strindberg. 1,696,336; Dec. 25. | Internal-combustion engine, Two-stroke. J. Romeyn. 1,674,571; June 19. |
| Internal-combustion engine. M. F. Stubbs. 1,674,707; June 26. | Internal-combustion engine, Two-stroke-cycle. H. Kreissle. 1,689,834; Oct. 30. |
| Internal-combustion engine. C. E. Summers. 1,668,471; May 1. | Internal-combustion engine, Two-stroke-cycle. C. Law. 1,662,828; Mar. 20. |
| Internal-combustion engine. C. E. Summers. 1,682,998; Sept. 4. | Internal-combustion engine, Two-stroke-cycle. A. O. L. Wennerby. 1,688,794; Oct. 23. |
| Internal-combustion engine. W. H. Tangeman. 1,671,330; May 29. | Internal-combustion engine, Vertical. G. Pielstick. 1,679,491; Aug. 7. |
| Internal-combustion engine. F. K. Tarrant. 1,688,164; Oct. 16. | Internal-combustion engines, Method of and apparatus for preventing knocking in. F. A. Howard and T. R. Parker. 1,676,827-8; July 10. |
| Internal-combustion engine. A. Taub. 1,675,623; July 3. | Internal-combustion motor. H. Briggs. 1,687,425; Oct. 9. |
| Internal-combustion engine. J. W. Teasdale. 1,690,144; Nov. 6. | Internal-combustion motor. G. B. Collier. 1,692,628; Nov. 20. |
| Internal-combustion engine. R. J. Thompson. 1,693,186; Nov. 27. | Internal-combustion motor. W. Fuhr. 1,696,676; Dec. 25. |
| Internal-combustion engine. H. Thormeyer. 1,662,590; Mar. 13. | Internal-combustion motor. P. Marchetti. 1,667,213; Apr. 24. |
| Internal-combustion engine. W. Tracey. 1,671,796; May 29. | Internal-expanding brake. E. A. Hardison. 1,658,288; Feb. 7. |
| Internal-combustion engine. F. H. Trego. 1,690,384; Nov. 6. | Internal-explosive engine. W. N. Titus. 1,654,999; Jan. 3. |
| Internal-combustion engine. L. E. Van Hise. 1,671,388; May 29. | Internal gauge. F. A. Kershaw. 1,667,809; May 1. |
| Internal-combustion engine. L. E. Van Hise. 1,676,811; July 10. | Invalid chair, wheeled. W. C. Daves. 1,668,493; May 1. |
| Internal-combustion engine. J. G. Vincent. 1,661,550; Mar. 6. | Inventory. F. O. Goodman. 1,690,576; Nov. 6. |
| Internal-combustion engine. J. G. Vincent. 1,676,369; July 10. | Invertase preparation and preparing and utilizing the same. L. Wickenden. 1,689,607; Oct. 30. |
| Internal-combustion engine. J. G. Vincent. 1,687,911; Oct. 16. | Investment compound. E. L. Griffith. 1,658,437; Feb. 7. |
| Internal-combustion engine. J. G. Vincent. 1,693,832; Dec. 4. | Iodates. Production of. F. A. Henglein. 1,693,441; Nov. 27. |
| Internal-combustion engine. H. G. Vorbauer. 1,662,090; Mar. 13. | Iodide and preparing the same, Calcicated. W. L. Chandler. 1,689,775; Oct. 30. |
| Internal-combustion engine. R. Ware. 1,657,490; Jan. 31. | Iodine. Powder adapted to liberate. K. Van Allen. 1,661,640; Mar. 6. |
| Internal-combustion engine. C. Webb. 1,688,767; Oct. 23. | Ion concentration control. I. B. Smith and E. A. Keeler. 1,684,645; Sept. 18. |
| Internal-combustion engine. A. J. West. 1,616,909; Mar. 20. | Iron: See— |
| Internal-combustion engine. F. R. West. 1,665,121; Apr. 3. | Burning iron. Pressing iron. |
| Internal-combustion engine. W. Wheeler. 1,688,218; Oct. 16. | Cast iron. Puff iron. |
| Internal-combustion engine. A. P. M. Wilking. 1,662,553; Mar. 13. | Curling iron. Sadiron. |
| | Electric iron. Smoothing iron. |
| | Hair-waving iron. Soldering iron. |
| | Hand iron. Steaming iron. |
| | Laundry iron. Treating pig iron. |
| | Marcel iron. Waffle iron. |
| | Pick-up iron. |
| | Iron. A. L. Bailey. 1,675,084; June 26. |
| | Iron. H. D. Chapman. 1,662,880; Mar. 20. |

- Iron and alloys of iron having a very low percentage of carbon, Producing. H. G. Flodin and G. T. Gustafsson. 1,691,273; Nov. 13.
- Iron and iron alloys directly out of oxide ores. Producing dense. H. G. Flodin and G. T. Gustafsson. 1,691,274; Nov. 13.
- Iron and making same, Cast. A. F. Meehan. 1,683,086-7; Sept. 4.
- Iron and stand, Electric. W. P. Haynie. 1,672,809; June 5.
- Iron, Apparatus for the manufacture of pig. G. de Bethune. 1,693,916; Dec. 4.
- Iron attachment, Curling-. J. H. Jacobs. 1,691,115; Nov. 13.
- Iron direct from electrolytic iron, Production of wrought. R. D. Pike. 1,675,867; July 3.
- Iron from white cast iron, Manufacturing black-heart malleable cast. T. Kikuta. 1,692,842; Nov. 27.
- Iron heater, Curling-. J. T. Shoemaker. 1,679,275; July 31.
- Iron holder for ironing tables. C. Danielson. 1,659,427; Feb. 14.
- Iron in highly-heated mixers, Preparing pig. K. Stobrawa. 1,666,428; Apr. 17.
- Iron, Making synthetic pig. E. Edwin. 1,686,075; Oct. 2.
- Iron manufacture. M. G. Woodman. 1,677,420; July 17.
- Iron, Manufacture of malleable cast. H. A. Schwartz. 1,680,398; Feb. 28.
- Iron, Manufacture of pure. A. Mittasch, C. Müller, and W. Schubardt. 1,663,916; Mar. 27.
- Iron mold. S. M. Udale. 1,658,144; Feb. 7.
- Iron pipe, Cast-. J. R. McWane. 1,688,727; Oct. 23.
- Iron protector, Smoothing-. M. A. Morse, jr. 1,681,128; Aug. 14.
- Iron rods, Device for bending. A. Wagenbach. 1,688,099; Oct. 16.
- Iron, Rolling stay-bolt. G. H. Mansfield. 1,662,506; Mar. 13.
- Iron stand. C. Schultness. 1,694,236; Dec. 4.
- Iron stand, Fireproof. R. A. Morrison and F. L. Oswald. 1,664,698; Apr. 3.
- Iron, Treating pig. E. P. Ross. 1,663,351; Mar. 20.
- Ironer. R. Hilgedick. 1,684,584; Sept. 18.
- Ironing and pressing machine, Power-operated. H. Pierce. 1,690,431; Nov. 6.
- Ironing board. C. L. Ackerman. 1,684,378; Sept. 18.
- Ironing board. C. E. Barrie. 1,671,881; May 29.
- Ironing board. J. N. Paris. 1,687,754; Oct. 16.
- Ironing board. C. B. Goodman. 1,696,798; Dec. 25.
- Ironing board. J. Kalayjian. 1,684,034; Sept. 11.
- Ironing board. J. E. Kalgren. 1,688,636; Oct. 23.
- Ironing board. W. G. Larsen. 1,669,566; May 15.
- Ironing board. L. E. Merriman. 1,689,445; Oct. 30.
- Ironing board. G. T. Rieter. 1,659,280; Feb. 14.
- Ironing board. W. T. Rogers. 1,686,607; Apr. 17.
- Ironing board. C. H. Schade. 1,656,396; Jan. 17.
- Ironing board. S. O. Wagoner. 1,696,145; Dec. 18.
- Ironing board and clothes drier, Combination. N. C. Larson. 1,658,929; Feb. 14.
- Ironing-board and clothes-rack cabinet, Combined. C. B. Johnson. 1,669,760; May 15.
- Ironing board and stand, Combination. W. E. Haskin. 1,656,789; Jan. 17.
- Ironing board and support. C. A. Adams. 1,677,162; July 17.
- Ironing board and table. J. M. Davis. 1,664,355; Mar. 27.
- Ironing board and table, Combined. E. P. and A. N. Anderson. 1,666,548; Apr. 17.
- Ironing board and table, Combined. H. W. Klingensmith. 1,667,665; Apr. 24.
- Ironing-board appliance. R. J. McJohn. 1,693,615; Dec. 4.
- Ironing board, Folding. S. F. Slawski. 1,688,289; Oct. 16.
- Ironing-board table. I. W. Foltz. 1,663,449; Mar. 20.
- Ironing boards, Article-supporting attachment for. F. M. Johnson. 1,662,748; Mar. 13.
- Ironing boards, Attachment for. M. E. Koehler. 1,658,992; Feb. 14.
- Ironing boards or bucks, Cover clamp for. W. Colclough. 1,664,916; Apr. 3.
- Ironing machine. C. F. Anderson. 1,656,656; Jan. 17.
- Ironing machine. E. E. Arnold. 1,678,843; July 31.
- Ironing machine. T. N. Brown. 1,679,808; Aug. 7.
- Ironing machine. H. C. Curtiss. 1,694,970; Dec. 11.
- Ironing machine. F. Dewhurst. 1,667,774; May 1.
- Ironing machine. R. Ehrenfeld. 1,671,470; May 29.
- Ironing machine. H. C. and N. C. Ellis. 1,689,015; Oct. 23.
- Ironing machine. H. D. Else. 1,673,556; June 12.
- Ironing machine. L. S. Hollowell. 1,683,612; Sept. 11.
- Ironing machine. A. Maescher. 1,671,035; May 22.
- Ironing machine. E. H. McCurdy. 1,660,622; Feb. 28.
- Ironing machine. C. A. Peterson. 1,663,669; Mar. 27.
- Ironing machine. E. M. Richards. 1,670,742; May 22.
- Ironing machine. E. M. Richards. 1,682,419; Aug. 28.
- Ironing machine. H. F. Tol. 1,684,333; Sept. 11.
- Ironing machine. R. V. Weller. 1,677,666; July 17.
- Ironing machine. G. C. Wilkinson and P. E. Geldhof. 1,669,798; May 15.
- Ironing machine. A. S. Wise. 1,671,500; May 29.
- Ironing machine. A. S. Wise. 1,686,058; Oct. 2.
- Ironing machine, Coil-. J. R. Weaver. 1,664,234; Mar. 27.
- Ironing-machine-driving mechanism. H. D. Else. 1,669,607; May 15.
- Ironing machine, Neckband and attached-collar. D. H. Benjamin. 1,691,106; Nov. 13.
- Ironing-machine table. M. Hedgion. 1,687,766; Oct. 16.
- Ironing-machine temperatures, Thermostatic control for. W. H. Himes. 1,657,504; Jan. 31.
- Ironing machines and the like, Condensation exhauster for. C. E. Trotter and F. J. Couch. 1,689,462; Oct. 30.
- Ironing machines, Automatic magnetic release for. H. E. Newhouse. 1,686,708; Oct. 9.
- Ironing machines, Clothes returner for. A. Marcoux. 1,696,609; Dec. 25.
- Ironing machines, Driving mechanism for. C. Groen. 1,667,151; Apr. 24.
- Ironing machines, Thermostatic control for. H. D. Else. 1,685,947; Oct. 2.
- Ironing or pressing machine pad. S. E. Beck. 1,666,870; Apr. 17.
- Ironing table. J. P. Dorau. 1,673,970; June 19.
- Ironing table. J. G. Haugh. 1,683,291; Sept. 4.
- Ironing table. W. C. Moors. 1,689,887; Oct. 30.
- Irons, Heating element for electric. W. A. Rankin. 1,665,219; Apr. 10.
- Irons, Steam-supply device for electric. W. H. Slonaker. 1,683,145; Sept. 4.
- Irrigating apparatus. W. H. Coles. 1,677,228; July 17.
- Irrigating apparatus. W. H. Coles. 1,696,384; Dec. 25.
- Irrigating device. W. H. Coles. 1,696,385; Dec. 25.
- Irrigation meter. W. L. Marden. 1,670,308; May 22.
- Irrigation sprinkler. M. Weber. 1,656,027; Jan. 10.
- Irrigator. E. B. Norton. 1,689,746; Oct. 30.
- Irritants, Apparatus for dispersing. N. E. Oglesby and D. Ehrenfeld. 1,659,158; Feb. 14.
- Isoamyl ester of the di-iodide of behenolic acid and producing same. A. Winger. 1,688,100; Oct. 16.
- Issuing and recording trade-check credit machine. W. W. Osborne. 1,690,874; Nov. 6.
- Jack: See—
- Auto jack. Pumping jack.
- Automobile jack. Rail jack.
- Fence jack. Railroad-tie jack.
- Fluid-actuated jack. Roll jack.
- Hoisting jack. Scaffold jack.
- Hydraulic jack. Shoe jack.
- Lifting jack. Smoke jack.
- Pneumatic jack. Step jack.
- Power-transmission jack. Vehicle jack.
- Propelling jack. Wheel jack.
- Pump jack. Window jack.
- Jack. E. Aldinger. 1,675,015; June 26.
- Jack. F. M. Aycock. 1,685,015; Sept. 18.
- Jack. C. E. Bradburn. 1,696,520; Dec. 25.
- Jack. H. Carlson. 1,673,394; June 12.
- Jack. H. H. Frost. 1,676,016; July 3.
- Jack. T. W. Gray. 1,674,822; June 26.
- Jack. C. F. Guerin. 1,685,697; Sept. 25.
- Jack. M. A. Hirsch. 1,692,444; Nov. 20.
- Jack. W. E. Rawlings. 1,665,979; Apr. 10.
- Jack. N. C. Schellenger. 1,676,055; July 3.
- Jack. N. C. Schellenger. 1,678,746; July 31.
- Jack. N. C. Schellenger. 1,696,865; Dec. 25.
- Jack and selecting switch, Combined. J. J. Kuhn. 1,689,348; Oct. 30.
- Jack and truck, Combination piano. E. S. Pitcher. 1,667,267; Apr. 24.
- Jack for double-hooked needles in knitting machines, Operating. A. M. Müller. 1,694,426; Dec. 11.
- Jack for self-propelling vehicles. M. W. McCoy. 1,694,076; Dec. 4.
- Jack for vehicles, Lifting. J. Klee and A. Schneider. 1,666,455; Apr. 17.
- Jack-hammer support. F. T. Nowalk. 1,685,372; Sept. 25.
- Jacking device for vehicle beds. G. Jaeger. 1,682,910; Sept. 4.
- Jacks, Check-valve unit for hydraulic. J. G. Dybens. Re16,900; Mar. 13.
- Jar: See—
- Candy jar. Rotary jar.
- Paste jar. Rubber jar.
- Jar. I. J. Goode. Des. 74,562; Feb. 28.
- Jar. H. P. Scanlon and E. R. Price. 1,671,489; May 29.
- Jar and other receptacle and closure therefor. F. E. Beery. 1,654,914; Jan. 3.
- Jar cap. A. A. Lundeen. 1,696,719; Dec. 25.
- Jar-cap remover. L. F. Castelli. 1,670,188; May 15.
- Jar-closing machine, Continuous vacuum. T. L. Tallafiero. 1,681,445; Aug. 21.
- Jar closure. D. Bloom. 1,675,920; July 3.
- Jar closure. E. P. Rice. 1,680,476; Aug. 14.
- Jar closures, Making. W. Kowal. 1,658,603; Feb. 7.
- Jar for fruit and other purposes. F. P. Prindle. 1,658,058; Feb. 7.
- Jar-handling device. A. H. Gibson. 1,659,599; Feb. 21.
- Jar or container, Fruit. W. G. Walker. 1,663,822; Mar. 27.
- Jar or similar container. L. Boatright. Des. 74,717; Mar. 20.
- Jar or similar container. H. Charpentier. Des. 75,953-4; Aug. 7.
- Jar or similar container. J. H. Davis. Des. 75,221; May 22.
- Jar or similar container. C. L. Eaton. Des. 74,724-7; Mar. 20.

- Jar or similar container. E. McGrath. Des. 74,445; Feb. 14.
- Jar or similar container. M. M. Michelin. Des. 74,184; Jan. 3.
- Jar or similar container. C. G. Wilford. Des. 74,335; Jan. 24.
- Jar or similar container, Glass. I. M. Clarke. Des. 74,417; Feb. 14.
- Jar or similar container, Glass. A. Jenkins. Des. 75,124; May 8.
- Jar rubber, washer, or sealing ring, Fruit-. T. E. Welsh. 1,659,677; Feb. 21.
- Jar sealer, Fruit-. G. A. Evans. 1,663,123; Mar. 20.
- Jar top. N. G. Netherland. 1,665,602; Apr. 10.
- Jar-top-removing device. G. T. Sheley. 1,670,828; May 22.
- Jar-trimming machine. J. L. Kivlan. 1,677,239; July 17.
- Jars and other receptacles, Closure for. H. Ingram. 1,655,060; Jan. 3.
- Jars, bottles, and similar receptacles, Closure for. F. J. Pison. 1,658,521; Feb. 7.
- Jars, Device for opening and closing fruit. A. R. Gurnett. 1,661,333; Mar. 6.
- Jars, Making. G. A. Spang. 1,660,850; Feb. 28.
- Jars, Trap top for. R. H. Reh. 1,674,227; June 19.
- Javelle water, Manufacture of. H. D. Levine. 1,694,711; Dec. 11.
- Jaw, Artificial. G. F. Ingwersen. 1,667,205; Apr. 24.
- Jellies, Extraction and drying of. W. J. Müller, H. Carstens, and J. Drucker. 1,696,358; Dec. 25.
- Jellifying compound, Making powdered or granular. H. T. Leo. 1,655,398; Jan. 3.
- Jelutong product and making the same. S. S. Yates. 1,685,797; Oct. 2.
- Jelutong product and producing the same. M. L. Hamlin. 1,674,435; June 19.
- Jet exhauster, Multiple. C. A. Dunham. 1,657,665; Jan. 31.
- Jetty. H. F. Kellner. 1,662,578; Mar. 13.
- Jetty. W. Pringle. Re16,976; May 22.
- Jewel settings and product thereof, Finishing. H. Colomb. Re16,982; May 29.
- Jeweler's display device. L. Schaefer. 1,660,210; Feb. 21.
- Jewelry. A. P. Rea. 1,664,994; Apr. 3.
- Jewelry, Article of. R. A. Harris. 1,683,545; Sept. 4.
- Jewelry, Beaded article of. F. Döppenschmitt. 1,694,703; Dec. 11.
- Jewelry box. R. J. Warner and J. Schaefer. 1,681,755; Aug. 21.
- Jewelry case. T. Catala. 1,666,001; Apr. 10.
- Jewelry, Connection device especially for. A. Kuhlhe. 1,682,290; Aug. 28.
- Jewelry, Manufacturing. J. P. Sterk. 1,679,180; July 31.
- Jewelry, Manufacturing jointed. A. Bayardi and E. E. Bayardi. 1,678,239; July 24.
- Jewelry, Ornamental. J. A. Meliodon. 1,691,445; Nov. 13.
- Jewelry setting. F. C. Joseph. Des. 74,888; Apr. 10.
- Jewelry setting. F. C. Joseph. Des. 75,370; May 29.
- Jig, Drill-guiding. C. Sklarek. 1,682,150; Aug. 28.
- Jig for use in making automobile bodies. J. Ledwinka. 1,694,475; Dec. 11.
- Jig, Insulator-assembling. J. C. Robertson. 1,677,294; July 17.
- Jigger. H. Grassey. 1,676,261; July 10.
- Jigs, Bed regulator and chatter for. F. Cook. 1,669,811; May 15.
- Jimmyproof lock. P. J. Palinkas. 1,673,468; June 12.
- Jingling ball. W. F. Daasch. 1,668,143; May 1.
- Joiner's clamp. W. E. Smith. 1,675,389; July 3.
- Joining means. F. R. Eaglesfield. 1,658,043; Feb. 7.
- Joint: See—
- | | |
|-------------------------|--------------------|
| Ball-and-socket joint. | Mortise joint. |
| Box joint. | Oscillating joint. |
| Cable joint. | Panel joint. |
| Concrete-pipe joint. | Pin-stem joint. |
| Contraction joint. | Pipe joint. |
| Corner joint. | Rail joint. |
| Drill joint. | Ring joint. |
| Easer joint. | Rod joint. |
| Expansion joint. | Roof joint. |
| Flexible joint. | Sheet-metal joint. |
| Flue joint. | Slip joint. |
| Glass-plate joint. | Swinging joint. |
| Gutter joint. | Tandem joint. |
| Hinged joint. | Tool joint. |
| Lock joint. | Universal joint. |
| Locking foldable joint. | |
- Joint. W. Bailey. 1,681,081; Aug. 14.
- Joint. B. Meyering. 1,664,893; Apr. 3.
- Joint. E. J. Serpas. 1,692,708; Nov. 20.
- Joint and connection. G. T. Thurneyssen. 1,695,830; Dec. 18.
- Joint and making same. A. Angel. 1,662,914; Mar. 20.
- Joint clamp. S. A. Jones. 1,688,623; Oct. 23.
- Joint composition, Preparing expansion-. A. C. Fischer. 1,680,144; Aug. 7.
- Joint construction. F. C. Armbruster. 1,690,047; Oct. 30.
- Joint construction, Frame-. C. Mautner. 1,665,816; Apr. 10.
- Joint construction, Metal-tank-. J. P. Madden. 1,687,343; Oct. 9.
- Joint construction, Universal. C. S. Brown. 1,656,659; Jan. 17.
- Joint filler in angle of plymetl wall. G. R. Meyer cord. 1,671,084; May 22.
- Joint-filler strip. Wall-board. M. J. Buchanan. 1,676,076; July 3.
- Joint for artificial limbs, Knee. C. E. Girtton. 1,690,194; Nov. 6.
- Joint for devices for cleaning furnace flues. W. J. Moline. 1,656,950; Jan. 24.
- Joint for door and window trim, Interlocking angle. H. H. Beckanstin. 1,663,968; Mar. 27.
- Joint for extension rules. H. Gasstrom. 1,684,483; Sept. 18.
- Joint for folding rules, etc. W. F. Hoerle. 1,690,071; Oct. 30.
- Joint for furniture and the like. C. D. McArthur. 1,690,124; Nov. 6.
- Joint for golf clubs. F. Müller. 1,695,291; Dec. 18.
- Joint for metallic frames, Interlocking. W. Wait. 1,662,728-9; Mar. 13.
- Joint for metallic frames, Interlocking. W. Wait. 1,662,766-9; Mar. 13.
- Joint for metallic frames, Interlocking. W. Wait. 1,688,949; Oct. 23.
- Joint for pistons and connecting rods, etc. A. F. Gay. 1,684,862; Sept. 18.
- Joint for the members of bar structures. B. Buxbaum. 1,661,873; Mar. 6.
- Joint for tubular structures. H. Thum. 1,683,680; Dec. 4.
- Joint hinge members, Manufacturing covered. J. T. Atwood. 1,688,955; Oct. 23.
- Joint in iron structures and reenforcing members. C. A. Forssell. 1,689,281; Oct. 30.
- Joint installer, Expansion-. A. C. Fischer. 1,664,605; Apr. 3.
- Joint machine, Ring-. W. L. Evans. 1,684,760; Sept. 18.
- Joint or coupling, Extension. B. W. Dennis. 1,674,277; June 19.
- Joint or coupling, Universal. H. Clark. 1,665,734; Apr. 10.
- Joint section, Expansion-. A. C. Fischer. 1,672,607; June 5.
- Joint—semihexagonal type, Combined expansion and contraction. A. C. Fischer. 1,694,213; Dec. 4.
- Joint strip. H. G. Jorgensen. Re17,061-2; Aug. 7.
- Joint-wiping device, Plumber's. A. E. Armitage. 1,656,181; Jan. 10.
- Joint with regulating means, Expansion. A. C. Badger. 1,691,040; Nov. 13.
- Joint with rubber inserts, Universal. C. R. Short. 1,679,992; Aug. 7.
- Joiner. W. and E. Ross. 1,683,373; Sept. 4.
- Joining tubular members. F. Faudi. 1,693,339; Dec. 4.
- Joints, Apparatus for packing. R. E. Chapman. 1,676,425; July 10.
- Joints, Making ball-and-socket. W. J. Fiegel and W. S. Enderick. 1,693,748; Dec. 4.
- Joints of inner tubes, Making the. C. H. Semple. 1,674,526; June 19.
- Joist. T. H. Kane. 1,696,039; Dec. 18.
- Joist. V. M. Witmer. 1,657,849; Jan. 31.
- Joist brace. G. Lane. 1,656,741; Jan. 17.
- Joist, Floor. H. M. Naugle and A. J. Townsend. 1,694,514; Dec. 11.
- Joist hanger. F. N. Ropp. 1,692,351; Nov. 20.
- Joist, Hollow metal. B. J. Klaasen. 1,688,016; Oct. 16.
- Joist, Metallic. J. Kahn. 1,691,722; Nov. 13.
- Jordan engine. H. R. Harrigan. 1,681,935; Aug. 28.
- Journal and like bearings, Device for preventing the escape of oil from. G. Stromeier. 1,659,450; Feb. 14.
- Journal box. C. W. Benica. 1,689,854; Oct. 30.
- Journal box. M. Christman. 1,675,641; July 3.
- Journal box. M. C. Neuenfelt. 1,656,125; Jan. 10.
- Journal box. H. K. Porter. 1,691,303; Nov. 13.
- Journal box. F. O. Reemer. 1,692,570; Nov. 20.
- Journal-box-aligning device. J. F. O'Connor. 1,696,321; Dec. 25.
- Journal box and axle. H. W. Sanford. 1,661,968; Mar. 6.
- Journal box, bearing, wheel, and axle assembly. T. R. Cook. 1,666,368; Apr. 17.
- Journal box for car wheels. J. R. Fleming. 1,680,329; Aug. 14.
- Journal-box lid. L. W. Hostettler. 1,663,705; Mar. 27.
- Journal-box lid. B. W. Kadel. 1,661,834; Mar. 6.
- Journal-box-securing means. P. McCullough. 1,661,669; Mar. 6.
- Journal-box wear plate. H. M. Pfleger. 1,689,498; Oct. 30.
- Journal boxes, Oil cellar for. N. Benn. 1,695,754; Dec. 18.
- Journal boxes, Safety attachment for. E. M. Blair. 1,690,050; Oct. 30.
- Journal lubricator. J. R. George and E. J. Quinn. 1,686,271; Oct. 2.
- Journal mounting. J. Carbone. 1,659,080; Feb. 14.
- Journaling means for hollow float-arm shafts. J. Elge. 1,685,527; Sept. 25.
- Jug. A. R. Florita. Des. 75,905; July 31.
- Jug, Glass. S. A. Langenbaker. Des. 76,545; Oct. 9.
- Juice extractor. T. F. Cooney. Des. 75,720; July 10.
- Juice extractor. M. R. Lynds. 1,657,721; Jan. 31.
- Juice extractor. J. Moscrip. 1,687,463; Oct. 9.
- Juice extractor. C. J. Ulrich. 1,683,850; Sept. 11.
- Juice extractor, Fruit. M. Baillie. 1,661,522; Mar. 6.

- Juices from fruits, Device for expressing. J. S. Lacey. 1,661,374; Mar. 6.
- Jump-ring coupling. W. G. Bryant. 1,685,042; Sept. 18.
- Jump-ring coupling. G. W. Goodridge and W. J. Gagnon. 1,692,649; Nov. 20.
- Junction box. S. L. Kent, jr. 1,675,219; June 26.
- Junction-box mounting. A. T. Clark, H. A. Leonhauser, and J. B. Jester. 1,695,633; Dec. 18.
- Kalamain machine. C. H. Grebe. 1,664,677; Apr. 3.
- Kaleidoscope. C. B. N. Hanson. 1,662,743; Mar. 13.
- Kaleidoscopic designs, Apparatus for producing. L. A. Jones. 1,690,584; Nov. 6.
- Keel column. H. T. Kraft. 1,691,818; Nov. 13.
- Reg. J. W. Hussey. 1,667,460; Apr. 24.
- Reg. barrel, and the like. G. E. Mittinger. 1,670,977; May 22.
- Kegs and the like, Metallic head for wooden. G. E. Mittinger. 1,695,118; Dec. 11.
- Ketones, Manufacture of. L. Lefranc. 1,656,488; Jan. 17.
- Ketonic compounds, Production of aromatic. F. H. Kranz. 1,661,293; Mar. 6.
- Kettle and the like. M. Tocchio. 1,684,811; Sept. 18.
- Kettle-shaped hollow bodies, Manufacturing. K. Böhle. 1,688,111; Oct. 16.
- Key: *See*—
- Multiple-plug key.
- Key. F. E. Best. 1,679,558; Aug. 7.
- Key. V. Niznansky. 1,655,329; Jan. 3.
- Key aligner. J. Jacobson. 1,681,858; Aug. 21.
- Keyboard attachment for typing and computing machines. H. H. Vickers. 1,673,724; June 12.
- Keyboard, Chromatic-scale. W. I. Zidell. 1,680,582; Aug. 14.
- Keyboard for typewriting machines. O. Fischer. 1,678,334; July 24.
- Keyboard mechanism. H. G. Neely. 1,661,443; Mar. 6.
- Keyboard punch, Alphabetical. A. Weiland, H. R. Russell, and C. A. Mezger. 1,684,001; Sept. 11.
- Key-button assembly. M. Garbell. 1,686,608; Oct. 9.
- Key case. W. R. Buxton. 1,691,637; Nov. 13.
- Key case. F. A. King and E. Bedford. 1,691,608; Nov. 13.
- Key case. A. H. Merrill. 1,685,288; Sept. 25.
- Key case. P. W. Penta. 1,679,001; July 31.
- Key case. B. Rosenthal. 1,616,946; May 1.
- Key case. W. H. Weissbrod. 1,688,215; Oct. 16.
- Key case or purse. C. S. Price and F. Weindel, jr. 1,667,676; Apr. 24.
- Key-controlled operating mechanism. J. W. Lambert. 1,678,491; July 24.
- Key-cutting machine. J. Schechter. 1,656,295; Jan. 17.
- Key, Draft. S. Simonson. 1,654,611; Jan. 3.
- Key, Driving. M. Sklovsky. 1,685,098; Sept. 25.
- Key envelope. W. H. Holiar, jr., and W. G. Uhlman. 1,657,123; Jan. 24.
- Key fastener. S. F. Bunker. 1,667,508; Apr. 24.
- Key for collapsible tubes, Coiling. H. Kielberg. 1,692,213; Nov. 20.
- Key for key-opening cans. H. Hermani. 1,670,150; May 15.
- Key for radio systems, Selective. E. E. Clement. 1,695,178; Dec. 11.
- Key guard. J. C. Spence, jr. 1,673,646; June 12.
- Key holder. B. F. Copp. 1,666,776; Apr. 17.
- Key holder. A. F. Dodson. 1,658,431; Feb. 7.
- Key holder. B. Michailovsky. 1,669,945; May 15.
- Keyhole guard. W. A. and U. M. Pepper. 1,672,133; June 5.
- Keyhole guard. R. V. Savage. 1,694,798; Dec. 11.
- Keyhole lock. W. Losg. 1,692,671; Nov. 20.
- Key lock. L. G. Reppell. 1,660,577; Feb. 28.
- Key lock. W. R. Schlage. 1,691,529; Nov. 13.
- Key lock, Changeable-combination. F. W. Johnson. 1,679,087; July 31.
- Key machine. H. Beisser. 1,659,187; Feb. 14.
- Key, Magnetic. A. E. Anakin. 1,669,115; May 8.
- Key mechanism for wood-wind instruments, Octave. A. Loomis. 1,677,563; July 17.
- Key-milling machine. H. A. Daum. 1,664,354; Mar. 27.
- Key-opening can. C. W. Graham. 1,689,627; Oct. 30.
- Key-pulling device. H. A. Follingstad. 1,661,938; Mar. 6.
- Key retainer, Door-. A. Smith. 1,663,354; Mar. 20.
- Key retainer, Draft-rigging. W. A. Geiger. 1,680,330; Aug. 14.
- Key, Sectional. R. C. Laynor. 1,622,613; Mar. 13.
- Key, Spring-lock. F. Nelson. 1,688,742; Oct. 23.
- Keys to key opening cans, Attaching. J. A. Stewart. 1,690,880; Nov. 6.
- Keyless lock. H. G. Anderson. 1,695,266; Dec. 18.
- Keyless lock. J. Recker. 1,694,795; Dec. 11.
- Kier. J. C. Bonneau. 1,664,475; Apr. 3.
- Kiln. B. H. Greene. 1,694,650; Dec. 11.
- Kiln. H. G. Lykken. 1,656,642; Jan. 17.
- Kiln. H. M. Robertson. 1,683,807; Sept. 11.
- Kiln and cooler, Rotary. P. T. Lindhard. 1,675,416; July 3.
- Kiln and furnace, Rotary. J. H. Bentley. 1,690,048; Oct. 30.
- Kiln and kiln drying, Dry. J. F. Cobb. 1,680,013; Aug. 7.
- Kiln attachment. J. N. Silva. 1,673,597; June 12.
- Kiln bottom and building kilns. C. E. Fuller. 1,676,182; July 3.
- Kiln, Circular. T. C. and W. O. Prouty. 1,674,992; June 26.
- Kiln, Combined drying and burning. H. R. Straight. 1,657,138; Jan. 24.
- Kiln, Dry. F. M. Creighton and W. E. Gray. 1,662,807; Mar. 13.
- Kiln, Dry. C. W. Gould. 1,660,670; Feb. 28.
- Kiln, Dry. A. O. Miller. 1,660,753; Feb. 28.
- Kiln, Electric. T. C. and W. O. Prouty. 1,671,742; May 29.
- Kiln, Electrically-heated. G. Keller. 1,687,025; Oct. 9.
- Kiln for burning any and all sorts of clay products, glazed ware, and pottery. H. Webster. 1,671,559; May 29.
- Kiln for burning, roasting, and sintering of mineral materials, Rotary. F. Luther. 1,673,051; June 12.
- Kiln for ceramic industry, Tunnel. V. Selliez. 1,683,309; Sept. 4.
- Kiln for firing, Updraft process of and muffle. T. Downs. 1,677,818; July 17.
- Kiln, furnace, and the like, Tunnel. C. F. Geiger. 1,686,083; Oct. 2.
- Kiln, Heating. B. M. Johnson. 1,669,563; May 15.
- Kiln hood and support. A. H. Colbert, C. R. McConner, and R. L. Baker. 1,673,396; June 12.
- Kiln, Pottery. A. C. Ward. 1,664,142; Mar. 27.
- Kiln, Tunnel. W. L. Hanley, jr. 1,658,331; Feb. 7.
- Kiln, Tunnel. W. L. Hanley, jr. 1,658,333; Feb. 7.
- Kiln, Tunnel. J. Kelleher. 1,681,939; Aug. 28.
- Kiln, Tunnel. J. B. Owens. 1,669,777; May 15.
- Kiln, Twin tunnel. W. L. Hanley, jr. 1,658,332; Feb. 7.
- Kilns. Tile lining for cylindrical. G. P. Reintjes. 1,655,566; Jan. 10.
- Kit. W. J. Pickett. 1,663,858; Mar. 27.
- Kit, Automobile. M. I. Runyan. 1,656,339; Jan. 17.
- Kit bag. L. H. Boch. 1,681,922; Aug. 28.
- Kit, Camp. E. J. McDonald. 1,659,114; Feb. 14.
- Kit, Cantilever. H. L. Kennedy. 1,684,036; Sept. 11.
- Kit, First-aid. E. Remley. 1,683,487; Sept. 4.
- Kit, Flagman's. W. Leach. 1,692,746; Nov. 20.
- Kit for drawing instruments, Auxiliary beam-compass. F. Schwartz. 1,676,360; July 10.
- Kit for sewing outfits or the like. C. Woge. 1,676,066; July 3.
- Kit, Lunch. G. F. Walter and J. M. Hothersall. 1,693,127; Nov. 27.
- Kit or container, Toilet. W. H. Cannard and A. W. Witbro. 1,686,200; Oct. 2.
- Kit, Picnic service. E. B. Canfield. 1,683,603; Sept. 11.
- Kit, Sectional compact toilet. D. W. Grant. 1,669,197; May 8.
- Kit, Type-cleaning. J. A. Nelson. 1,681,810; Aug. 21.
- Kitchen boiler. A. M. Erickson and W. W. Crocker. 1,669,867; May 15.
- Kitchen utensil, Combination. F. P. Harker. 1,684,622; Sept. 18.
- Kitchen-utensil handle. R. Kircher. 1,667,973; May 1.
- Kite. L. R. Eddy. 1,666,813; Apr. 17.
- Kite. F. Owens. 1,658,006; Jan. 31.
- Kite balloon. R. H. Upson. 1,686,646; Oct. 9.
- Kite, Folding. C. N. De Witt. 1,690,362; Nov. 6.
- Kite-string traveler. C. Johnson. 1,682,082; Aug. 28.
- Kites and the like, Attachment for. C. E. Moore. 1,655,794; Jan. 10.
- Kneader, Dough. De Vito, L. 1,681,844; Aug. 21.
- Kneading and mixing machine, Dough. F. Aeschbach. 1,695,221; Dec. 11.
- Kneading device. E. de Trey. 1,694,845; Dec. 11.
- Kneading machine. F. Aeschbach. 1,685,186; Sept. 25.
- Kneading machine. F. Kempter. 1,685,637; Sept. 25.
- Kneading machine. E. F. Peterson. 1,683,051; Sept. 4.
- Kneading machine, Dough-. F. Köchy. 1,693,582; Nov. 27.
- Knee pad. D. S. Cooper. 1,666,846; Apr. 17.
- Knee pad. J. H. Du Rocher. 1,690,405; Nov. 6.
- Knife. H. Arnold. 1,680,001; Aug. 7.
- Knife. R. E. Brown. Des. 76,520; Oct. 9.
- Knife. C. W. Tillmanns. Des. 75,940; July 31.
- Knife. P. Van Cleef. 1,656,404; Jan. 17.
- Knife. J. H. Williams. Des. 74,850; Apr. 3.
- Knife. J. H. Williams. Des. 75,197; May 15.
- Knife. R. Wittlinger. 1,694,999; Dec. 11.
- Knife and fork rest. H. O. Houck. Des. 74,265; Jan. 17.
- Knife and paint hook, Combined putty. C. Seeley. 1,664,902; Apr. 3.
- Knife bar for paper cutting and folding machines. H. F. Bechman. 1,685,532; Sept. 25.
- Knife, Cheese-curd. J. H. Hecker. 1,695,761; Dec. 18.
- Knife, Combination cheese and cake. O. P. Anderson. 1,668,478; May 1.
- Knife, Cutting. G. H. Guelden. 1,655,785; Jan. 10.
- Knife, Electric. M. Cusick. 1,658,884; Feb. 14.
- Knife, Folding. F. Werner. 1,659,418; Feb. 14.
- Knife for Knowles heads, Lock. W. M. Wattie. 1,674,001; June 19.
- Knife for line-casting machines, Slug-trimming. J. M. Lobit. 1,674,651; June 26.
- Knife for slicing machines. H. Stukart. 1,679,508; Aug. 7.
- Knife, Fruit-gatherer's. W. H. Longcor. 1,678,570; July 24.
- Knife, Fruit-pitting. H. Johnson. 1,671,587; May 29.
- Knife handle. A. H. Swank. 1,662,405; Mar. 13.
- Knife, Linoleum. N. Jensen. 1,655,610; Jan. 10.

- Knife, Loaf-cheese. J. J. Thacker and A. W. Teasley. 1,670,996; May 22.
- Knife, Meat-cutter. C. A. Johnson. 1,669,088; May 8.
- Knife or similar article, Putty. J. Reynolds. Des. 76,552; Oct. 9.
- Knife, Paring. E. W. Lacoss. 1,676,699; July 10.
- Knife, Paring and slicing. S. Santilli. 1,695,473; Dec. 18.
- Knife, Peeling and coring. R. A. Winquist. 1,674,271; June 19.
- Knife, Pipe-bowl. F. L. Fraser. 1,695,145; Dec. 11.
- Knife, Pocket. G. Peters. Des. 75,185; May 15.
- Knife, Reversible loom dobby. J. W. Giles. 1,683,179; Sept. 4.
- Knife structure. A. Z. Gatewood. 1,665,955; Apr. 10.
- Knitted fabric. M. D. Brown. Des. 74,351; Feb. 7.
- Knitted fabric. M. D. Brown. Des. 74,658; Mar. 13.
- Knitted fabric. M. D. Brown. Des. 74,861; Apr. 10.
- Knitted fabric. M. D. Brown. Des. 76,376; Sept. 25.
- Knitted fabric. M. Gross. Des. 74,564; Feb. 28.
- Knitted fabric. F. L. Porte. 1,686,172; Oct. 2.
- Knitted fabric and making same, Warp. E. J. Bennett. 1,666,638; Apr. 17.
- Knitted fabric and making the same. G. L. Ballard. 1,664,805; Apr. 3.
- Knitted fabrics, Apparatus and method for producing. H. Rubenstein. 1,683,699; Sept. 11.
- Knitted webs, Mechanism for uniting. L. N. D. Williams. 1,685,795; Oct. 2.
- Knitting, Apparatus for and method of. R. W. Scott and A. E. Page. 1,666,794; Apr. 17.
- Knitting device. S. Fujii. 1,694,849; Dec. 11.
- Knitting frame. H. Sakurai and T. Sakurai. 1,691,527; Nov. 13.
- Knitting frame, Circular-. F. Neveux. 1,674,217; June 19.
- Knitting frame, Straight-. W. Heinitz. 1,682,965; Sept. 4.
- Knitting implement for knitting machines. K. Howie. 1,675,557; July 3.
- Knitting machine. A. A. Adler and H. Albertman. 1,662,627; Mar. 13.
- Knitting machine. H. Evans. 1,661,653; Mar. 6.
- Knitting machine. P. P. La Montague. 1,695,734; Dec. 18.
- Knitting machine. V. Lombardi. 1,687,132; Oct. 9.
- Knitting machine. J. F. Maloney. 1,683,586; Sept. 4.
- Knitting machine. J. McNamee. 1,692,945; Nov. 27.
- Knitting machine. A. E. Page. 1,692,691; Nov. 20.
- Knitting machine. N. R. Pechh. 1,685,976; Apr. 10.
- Knitting machine. N. J. Perry. 1,661,085; Feb. 28.
- Knitting machine. N. J. Perry. 1,696,282; Dec. 25.
- Knitting machine. O. L. Rimel. 1,688,791; Oct. 23.
- Knitting machine. I. Springthorpe. 1,661,055; Feb. 28.
- Knitting machine. W. Stafford and R. C. Holt. 1,670,388; May 22.
- Knitting machine. E. Wildt and H. H. Holmes. 1,670,791; May 22.
- Knitting machine and process. P. G. Stroud. 1,673,095; June 12.
- Knitting machine and the production of fabrics thereon. Circular-. T. H. Jones. 1,690,729; Nov. 6.
- Knitting machine, Circular-. H. L. Davis. 1,665,255; Apr. 10.
- Knitting machine, Circular-. I. W. Grothey. 1,678,385; July 24.
- Knitting machine, Circular-. A. F. Harris. 1,669,296; May 8.
- Knitting machine, Circular-. H. E. Katzenmoyer. 1,664,299; Mar. 27.
- Knitting machine, Circular-. H. McAdams. 1,683,203; Sept. 4.
- Knitting machine, Circular-. A. E. Page. 1,685,860; Oct. 2.
- Knitting machine, Circular-. A. E. Page. 1,691,025; Nov. 6.
- Knitting machine, Circular-. A. M. Pigeon. 1,689,681; Oct. 30.
- Knitting machine, Flat-. C. F. Kaufmann. 1,687,866; Oct. 16.
- Knitting machine for the manufacture of corsets and belts. E. F. Boudios. 1,675,691; July 3.
- Knitting machine, Full-fashioned-. K. Howie. 1,671,191; May 29.
- Knitting machine, Hosiery-. C. T. M. Green and F. H. Dost. 1,691,056; Nov. 13.
- Knitting-machine mechanism. S. Mishcon. 1,681,359; Aug. 21.
- Knitting machine, Reverse-plaiting. C. Epps. 1,666,056; Apr. 10.
- Knitting machine, Round-. E. E. Müller. 1,682,087; Aug. 28.
- Knitting machine, Spring-board-. K. Howie. 1,684,583; Sept. 18.
- Knitting-machine stop motions, Trip mechanism for. F. Crawford, sr. 1,664,353; Mar. 27.
- Knitting machine stop motions, Trip mechanism for. A. Crawford. 1,678,557; July 24.
- Knitting machine, Straight-bar. E. A. Noble. 1,673,989; June 19.
- Knitting machine, Warp-. E. H. Hill and H. Hawkins. 1,680,614; Aug. 14.
- Knitting machines, Bobbin for. F. Fröhlich. 1,657,386; Jan. 24.
- Knitting machines, Cleaning attachment for circular. T. D. Pickoll. 1,679,171; July 31.
- Knitting machines, Decker guide for. P. Lieberknecht. 1,658,727; Feb. 7.
- Knitting machines, Dial-harmonizing device for circular-. P. Scharnag. 1,695,208; Dec. 11.
- Knitting machines, Drop-stitch mechanism for. I. W. Grothey. 1,678,386; July 24.
- Knitting machines, Latch needle for. R. H. Lawson. 1,673,767; June 12.
- Knitting machines, Needle bar for. W. J. Althouse. 1,657,876; Jan. 31.
- Knitting machines, Needle-selector mechanism for. K. Howie. 1,678,906; July 31.
- Knitting machines, Racking mechanism for. M. Zimitz. 1,669,032; May 8.
- Knitting machines, Reverse-plating device for circular-. H. Barth. 1,690,268; Nov. 6.
- Knitting machines, Splicing attachment for. A. D. Stewart, E. Clarke, and R. Vagg. 1,670,389; May 22.
- Knitting machines, Stop motion for. F. Crawford, sr. 1,684,308; Sept. 11.
- Knitting machines, Striping attachment for. A. Gagné. 1,683,540; Sept. 4.
- Knitting machines, Striping attachment for. L. S. Herbert. 1,677,477; July 17.
- Knitting machines, Trick wheel for. K. Howie. 1,678,907; July 31.
- Knitting machines, Vertical striper for wide-circular-rib-. W. Larkin. 1,666,784; Apr. 17.
- Knitting machines, Yarn-change attachment for circular-. W. L. Lengel. 1,671,597; May 29.
- Knitting machines, Yarn-cone-holding attachment for. F. P. Bacon and W. C. Ward. 1,675,241; June 26.
- Knitting machines, Yarn director for. J. A. Willard. 1,675,627; July 3.
- Knitting machines, Yarn guide for. K. Howie. 1,675,556; July 3.
- Knitting machines, Yarn-moistening device for. J. C. Crowther. 1,658,671; Feb. 7.
- Knitting machines, Yarn-plating tensioning means for. J. Mair. 1,662,046; Mar. 6.
- Knitting needles, Manufacturing. A. J. A. Beyer. 1,681,512; Aug. 21.
- Knob. F. J. Peterson. 1,680,112; Aug. 7.
- Knob and indicator, Control. R. E. Wolf. 1,692,605; Nov. 20.
- Knob and knoblike device. F. E. Verse. 1,687,531; Oct. 16.
- Knob construction, Door-. O. Petermann. 1,681,008; Aug. 14.
- Knob, Electrical insulating. D. M. Brown. 1,668,581; May 8.
- Knob lock. L. Huffman. Re17,084; Sept. 18.
- Knob, Locking door. C. B. Haven. 1,668,403; May 1.
- Knob mounting. H. Broomhall. 1,666,731; Apr. 17.
- Knob or similar article. H. J. Kasch. Des. 74,267; Jan. 17.
- Knobs and dials to instrument shafts, Securing. H. J. Kasch. Re17,091; Oct. 2.
- Knockdown reel. W. M. Hind. 1,679,573; Aug. 7.
- Knockdown table. R. D. Moncrieff. 1,662,121; Mar. 13.
- Knockdown tank. Z. T. Ellis. 1,693,695; Dec. 4.
- Knocker, Door. R. C. Callin. Des. 74,254; Jan. 17.
- Knot catcher and yarn cleaner. J. K. Altamus. 1,692,399; Nov. 20.
- Knots, Tying weaver's. B. A. Peterson. 1,657,407; Jan. 24.
- Knottor for binding mowers and straw binders. A. Claas. 1,676,177; July 3.
- Label. C. B. Heston. 1,681,769; Aug. 21.
- Label and manufacturing the same, Printed. A. and M. Rosenthal. 1,685,140; Sept. 25.
- Label blank. W. E. Long. Des. 76,621; Oct. 16.
- Label for wound or rolled fabrics. G. E. Bennett. 1,693,363; Nov. 27.
- Label, Interlocking monogram. G. F. Stanley. 1,668,613; May 8.
- Label, Metal. G. F. Stanley. 1,658,263; Feb. 7.
- Label or tab for use with goods which have to be dyed. O. Gunnell. 1,677,475; July 17.
- Label printing, cutting, and folding means. A. and M. Rosenthal. 1,656,391; Jan. 17.
- Label-sewing machine. P. W. Hatfield. 1,672,888; June 12.
- Labeling canned and bottled goods. W. C. Hart. 1,688,077; Oct. 16.
- Labeling machine. E. J. Anderson. 1,660,467; Feb. 28.
- Labeling machine. E. Ernold. 1,686,605; Oct. 9.
- Labeling machine, Barrel-. A. V. A. Felten. 1,657,382; Jan. 24.
- Labeling machine, Package-. J. A. Butler. 1,678,805; July 31.
- Labeling machines and the like, Article feeding and propelling means for. A. P. Ekvall. 1,659,522; Feb. 14.
- Labeling machines, Article-positioning means for. C. S. Weeks. 1,664,144; Mar. 27.
- Laboratory, Airplane. A. A. Merrill. 1,682,138; Aug. 28.
- Laboratory apparatus. R. Stark. 1,688,404; Oct. 23.
- Laboratory tabac. O. G. Harne. 1,686,234; Oct. 2.
- Lace. B. A. Ball. Des. 74,343-4; Feb. 7.
- Lace. B. A. Ball. Des. 74,817; Apr. 3.
- Lace. B. A. Ball. Des. 76,659-60; Oct. 23.
- Lace. A. M. Dodd. Des. 74,921; Apr. 17.
- Lace. R. A. Hollingsworth. Des. 77,003-4; Nov. 27.
- Lace. J. Loopo. 1,673,629; June 12.
- Lace. A. E. Newton. Des. 74,446-7; Feb. 14.
- Lace. A. E. Newton. Des. 74,517; Feb. 21.

- Lace. A. E. Newton. Des. 74,799-800; Mar. 27.
 Lace. W. A. Parsons. Des. 77,327; Dec. 25.
 Lace. J. V. Price. Des. 76,821-2; Nov. 6.
 Lace. J. V. Price. Des. 76,956; Nov. 20.
 Lace. H. Seel. Des. 76,059; Aug. 14.
 Lace edging, Embroidered. H. Schwarber. Des. 75,523; June 12.
 Lace edging, Embroidered. H. Schwarber. Des. 76,500; Oct. 2.
 Lace edging, Embroidered. H. Schwarber. Des. 77,038-9; Nov. 27.
 Lace, Elastic shoe. A. W. Lamy. 1,673,080; June 12.
 Lace fabrics, Machine for doffing. F. G. Hinsdale. 1,673,823; June 19.
 Lace fabrics, Method of and apparatus for inspecting and searching. F. G. Hinsdale. 1,673,822; June 19.
 Lace for footwear. C. Jansen. 1,685,489; Sept. 25.
 Lace medallion. U. Hugentobler. Des. 76,754; Oct. 30.
 Lace medallion. W. Meads. Des. 74,752; Mar. 20.
 Lace medallion. W. Meads. Des. 74,983; Apr. 24.
 Lace medallion, Embroidered. P. W. Ackermann. Des. 75,458; June 12.
 Lace medallion, Embroidered. H. Schwarber. Des. 74,806; Mar. 27.
 Lace medallion, Embroidered. H. Schwarber. Des. 75,293; May 22.
 Lace medallion, Embroidered. H. Schwarber. Des. 75,528; June 12.
 Lace medallion, Embroidered. H. Schwarber. Des. 75,530; June 12.
 Lace medallion, Embroidered. H. Schwarber. Des. 76,501; Oct. 2.
 Lace trimming for dolly or the like. L. Dinkelspiel. Des. 74,872-3; Apr. 10.
 Lace web and making the same. J. Spalding. 1,665,230; Apr. 10.
 Lacing for apparel. P. Hahn. 1,673,327; June 12.
 Lacing for soccer footballs. T. Greer. 1,669,198; May 8.
 Lacing-stud-setting machine. G. W. Brown. 1,692,246; Nov. 20.
 Lacquers, Brushing. S. D. Shipley. 1,692,584; Nov. 20.
 Lacquers, Composition for removing nitrocellulose. E. F. Cathcart. 1,669,387; May 8.
 Lacquers, Making. K. Schmidinger. 1,663,733. Mar. 27.
 Lactic fluids, Treating. J. M. W. Kitchen. 1,658,168; Feb. 7.
 Ladder. D. W. Boardman. 1,684,123; Sept. 11.
 Ladder. M. C. Griggs. 1,671,239; May 29.
 Ladder. S. Kramer. 1,691,976; Nov. 20.
 Ladder. R. F. Schulzke. 1,676,915; July 10.
 Ladder. J. W. Stevenson. 1,683,422; Sept. 4.
 Ladder. J. L. Walker. 1,655,526; Jan. 10.
 Ladder and wheelbarrow, Combined. A. M. Gentner. 1,672,717; June 5.
 Ladder-assembling machine, Extension-. J. E. Kalgren. 1,695,461; Dec. 18.
 Ladder attachment. G. J. Grayning. 1,658,191; Feb. 7.
 Ladder Combined step and wall or extension. C. F. Hammond, and W. Shackleton. 1,685,632; Sept. 25.
 Ladder rung. C. R. Harding. 1,653,637; Feb. 7.
 Ladder step and support, Combination. J. Wirth. 1,658,753; Feb. 7.
 Ladder support. J. W. Morris. 1,676,618; July 10.
 Ladders, Brake for rolling. L. N. Hampton. 1,658,192; Feb. 7.
 Ladders, Safety apparatus for supporting. T. Deppe. 1,656,817; Jan. 17.
 Ladders, Safety appliance for. E. H. Bayer. 1,660,909; Feb. 28.
 Ladle and strainer, Combination. J. Rudin. 1,677,120; July 10.
 Ladle lining. J. V. Marshall. 1,681,943; Aug. 28.
 Ladle, Soup. N. B. Le Duc. 1,654,980; Jan. 3.
 Ladle, Pouring. J. S. Dunn. 1,689,196; Oct. 30.
 Ladle stopper. C. C. Bacon. 1,696,876; Dec. 25.
 Ladle-tilting apparatus. T. A. Repper. 1,688,657; Oct. 23.
 Laminated-spring clip. A. F. Shore. 1,680,436; Aug. 14.
 Laminated annular articles, Method of and apparatus for making. M. W. Esch. 1,665,585; Apr. 10.
 Laminated glass. H. E. Allen. 1,655,933; Jan. 10.
 Laminated glass. W. F. Brown. 1,656,691; Jan. 17.
 Laminated glass. F. Fraser. 1,669,044; May 8.
 Laminated product and making same. F. Groff. 1,673,239; June 12.
 Laminated strips, Method and apparatus for making. G. L. Matthias. 1,667,009; Apr. 24.
 Lamp. B. Ameri. Des. 75,601; June 26.
 Lamp. B. Ames. 1,692,069; Nov. 20.
 Lamp. O. B. Bach. Des. 75,401-2; June 5.
 Lamp. R. Beardsley. Des. 75,323-50; May 29.
 Lamp. L. Blackmore. 1,658,549; Feb. 7.
 Lamp. F. Buchanan and K. W. Mackall. 1,673,100; June 12.
 Lamp. M. A. Buchwalter. Des. 76,340; Sept. 18.
 Lamp. R. S. Davis. 1,658,973; Feb. 14.
 Lamp. D. Di Carlo. 1,683,170; Sept. 4.
 Lamp. A. von Frankenberg. Des. 76,612; Oct. 16.
 Lamp. A. von Frankenberg. Des. 77,201-3; Dec. 11.
 Lamp. A. von Frankenberg. Des. 77,206; Dec. 11.
 Lamp. J. A. Giannini. Des. 75,234; May 22.
 Lamp. R. Graf. 1,694,592-3; Dec. 11.
 Lamp. J. A. Greathouse. Des. 76,476; Oct. 2.
 Lamp. A. R. Kanné. Des. 75,565; June 19.
 Lamp. A. R. Kanné. Des. 76,347; Sept. 18.
 Lamp. L. Kraft. 1,682,342; Aug. 28.
 Lamp. J. McHugh and E. F. Ingles. Des. 75,275; May 22.
 Lamp. E. P. McOlvin. 1,680,389; Aug. 14.
 Lamp. W. W. Moru. 1,687,347; Oct. 9.
 Lamp. F. W. Norton. 1,696,643; Dec. 25.
 Lamp. A. D. Price. 1,687,141; Oct. 9.
 Lamp. M. J. Ritterrath. 1,658,309; Feb. 7.
 Lamp. C. D. Ryder. 1,676,712; July 10.
 Lamp. F. Schmidtke. 1,686,503; Oct. 2.
 Lamp. C. E. Schmunk. 1,676,670; July 10.
 Lamp. H. W. Sisson. 1,694,564; Dec. 11.
 Lamp. T. H. Talley. 1,670,012; May 15.
 Lamp. F. Thurber. 1,685,251; Sept. 25.
 Lamp. A. Von Frankenberg. Des. 75,989; Aug. 7.
 Lamp. W. A. Winsboro. Des. 75,889; July 24.
 Lamp. H. H. Wolter. Des. 76,276; Sept. 4.
 Lamp, Acetylene. H. C. Stelling. Des. 75,664; June 26.
 Lamp, Aeroplane. C. D. Ryder. 1,683,580; Sept. 4.
 Lamp, Alcohol. G. Knierrlemen. 1,664,077; Mar. 27.
 Lamp and ash tray, Combination floor. J. J. Camyre. Des. 75,676; July 3.
 Lamp and bracket. J. E. Morgan. 1,680,469; Aug. 14.
 Lamp and clock, Combined bed. E. F. Straus. Des. 75,296; May 22.
 Lamp and loud speaker. H. O. Baker. 1,686,402; Oct. 2.
 Lamp and loud speaker, Combination. P. J. Olsen. Des. 75,283; May 22.
 Lamp and manufacturing its illuminating body, Electric incandescent. F. Skaupy. 1,659,749; Feb. 21.
 Lamp and mounting, Combined. M. L. Goldberg. Des. 76,746; Oct. 30.
 Lamp and mounting therefor, Combined. M. L. Goldberg. Des. 75,103; May 8.
 Lamp and mounting therefor, Incandescent electric. H. A. Douglas. 1,674,098; June 19.
 Lamp and producing the same, Incandescent electric. A. L. Becket. 1,657,060; Jan. 24.
 Lamp and reflector, Combined. D. Garey and W. B. Tishler. Des. 74,734; Mar. 20.
 Lamp and sign bracket, Combined street. O. J. Helvey. Des. 76,190; Aug. 28.
 Lamp and smoker's stand, Combination. C. E. Beardsley and A. T. Smith. 1,680,002; Aug. 7.
 Lamp and smoker's stand, Combination. O. A. Schuchert. 1,691,137; Nov. 13.
 Lamp and support therefor, Electric. H. M. Koretzky. 1,687,483; Oct. 9.
 Lamp, Antiglare motor-vehicle. J. F. Farmer. 1,680,211; Aug. 7.
 Lamp apparatus, Ultra-violet. D. C. Link. 1,668,566; May 8.
 Lamp, Arc. C. S. Ashcraft. 1,684,655; Sept. 18.
 Lamp, Arc. W. C. Spieth. 1,677,602; July 17.
 Lamp, Arc incandescent. C. F. Lorenz. 1,655,966; Jan. 10.
 Lamp arm. J. Grien. Des. 74,740-3; Mar. 20.
 Lamp, Arm for a floor. T. La Tessa. Des. 75,171-4; May 15.
 Lamp attachment, Portable. D. P. Stergianopoulos. 1,676,934; July 10.
 Lamp, Automobile. L. Edelman. Des. 74,786. Mar. 27.
 Lamp, Automobile. G. F. Jacob. 1,683,895; Sept. 11.
 Lamp, Automobile. M. H. Kern. 1,690,019; Oct. 30.
 Lamp, Automobile. O. C. Ritz Woller. 1,656,648; Jan. 17.
 Lamp, Automobile. L. L. Wagner. 1,655,399; Jan. 3.
 Lamp, Automobile. W. H. Wood. 1,678,092; July 24.
 Lamp, Automobile combination signal and dimming. G. K. Hundley. 1,688,497; Oct. 23.
 Lamp, Automobile head. J. Borel. 1,669,445; May 15.
 Lamp, Automobile head. B. A. Broughton. 1,689,378; Oct. 30.
 Lamp Automobile head. H. H. Witzel. 1,685,690; Sept. 25.
 Lamp, Automobile traffic. G. Palmieri. Des. 77,256; Dec. 18.
 Lamp, Automobile trouble. W. E. Stevens and T. R. Seiple. 1,681,313; Mar. 6.
 Lamp, Automotive head. W. B. Churcher. 1,676,769; July 10.
 Lamp base. J. Grien. Des. 75,021-19; May 1.
 Lamp base. J. Grien. Des. 75,105-16; May 8.
 Lamp base. C. F. Stallbaum. Des. 77,042-3; Nov. 27.
 Lamp, Base for a floor. T. La Tessa. Des. 75,165-70; May 15.
 Lamp base or analogous article. P. Silberhartz. Des. 74,632; Mar. 6.
 Lamp base or article of analogous nature. P. Silberhartz. Des. 76,064; Aug. 14.
 Lamp base or article of similar nature. W. Hurster. Des. 74,886; Apr. 10.
 Lamp base or similar article. F. M. Poritz. Des. 75,514-18; June 12.
 Lamp base or similar article. F. M. Poritz. Des. 76,044-6; Aug. 14.
 Lamp base or the like. R. Beardsley. Des. 75,000-1; May 1.
 Lamp, Battery hand. E. Alschuler. 1,696,513; Dec. 25.
 Lamp, Battery hand. H. F. Beebe. 1,688,373; Oct. 23.
 Lamp, Battery hand. J. H. Bruninga and E. P. Evers. 1,661,785; Mar. 6.
 Lamp, Battery hand. H. W. Staples. 1,664,905; Apr. 3.
 Lamp, Battery hand. H. W. Staples. 1,688,560; Oct. 23.
 Lamp body. A. R. Kanné. Des. 75,566-7; June 19.

- Lamp body and shade holder. Electric cluster. V. R. Despard and H. C. R. Popp. 1,678,331; July 24.
- Lamp bracket. C. H. Dann. 1,657,153; Jan. 24.
- Lamp bracket. E. Klopstein. Des. 74,570; Feb. 28.
- Lamp bracket. A. L. Zeitler. Des. 75,671; June 26.
- Lamp, Bridge. O. B. Bach. Des. 75,403; June 5.
- Lamp, Bridge. J. B. Salterini. Des. 74,627-9; Mar. 6.
- Lamp, Bridge. J. B. Salterini. Des. 74,945-6; Apr. 17.
- Lamp, Bridge. J. B. Salterini. Des. 76,707; Oct. 23.
- Lamp, Bridge. J. B. Salterini. Des. 76,709; Oct. 23.
- Lamp bulb, Electric. M. Pipkin. 1,687,510; Oct. 16.
- Lamp-bulb holder. C. E. Godley. 1,656,729; Jan. 17.
- Lamp bulb, Incandescent. H. B. Donley. 1,684,949; Sept. 18.
- Lamp bulb or similar article, Incandescent. A. Weber. Des. 76,441; Sept. 25.
- Lamp bulbs, Focusing device for. H. C. Foster. 1,657,500; Jan. 31.
- Lamp, Candle. E. J. O'Neill. 1,671,652; May 29.
- Lamp, Carbide. W. Procter. 1,693,463; Nov. 27.
- Lamp casing, Signal-. A. Riniker. Des. 75,189; May 15.
- Lamp casing, Signal-. D. F. Swartwout. Des. 77,045; Nov. 27.
- Lamp-closure plate, Vehicle. F. T. Carr. Des. 76,290; Sept. 11.
- Lamp, Cluster. A. R. Kanné. Des. 77,008; Nov. 27.
- Lamp column. J. Grien. 74. Des. 74,737-9; Mar. 20.
- Lamp, Combination heat and light therapy. H. Dennis. 1,656,777; Jan. 17.
- Lamp, Compartmental. C. E. Godley. 1,658,238; Feb. 7.
- Lamp connectors, Extension grip for electric. E. H. Bixby. 1,668,043; May 1.
- Lamp construction. H. C. Foster. 1,670,801; May 22.
- Lamp construction. F. W. C. Neuner. 1,672,080; June 5.
- Lamp construction, Stand-. E. B. Benjamin. 1,660,317; Feb. 28.
- Lamp controllers, Protection of. E. Dick. 1,656,321; Jan. 17.
- Lamp, Dental wall. C. T. Brady. Des. 74,777; Mar. 27.
- Lamp, Desk unit magnifying. C. T. Brady. Des. 77,289; Dec. 25.
- Lamp dimming switch and horn switch for motor vehicles, Combined head-. H. A. Chivers. 1,670,842; May 22.
- Lamp, Electric. W. R. Burrows. 1,688,783; Oct. 23.
- Lamp, Electric. W. Dawson. 1,661,928; Mar. 6.
- Lamp, Electric. H. A. Douglas. 1,664,876; Apr. 3.
- Lamp, Electric. A. Friedrich and R. O. Powell. Des. 77,085; Dec. 4.
- Lamp, Electric. M. F. Gleason. Des. 74,216; Jan. 10.
- Lamp, Electric. P. P. Horni. Des. 74,305; Jan. 24.
- Lamp, Electric. B. Llauroad. 1,688,549; Oct. 23.
- Lamp, Electric. R. D. Mailey. 1,676,790; July 10.
- Lamp, Electric. J. W. Senger, J. Reed, and T. E. Moorhead. 1,689,457; Oct. 30.
- Lamp, Electric. G. C. Singer. 1,678,606; July 24.
- Lamp, Electric. E. Turnquist. 1,684,292; Sept. 11.
- Lamp, Electric-arc. I. J. Lavoisier. 1,682,847; Sept. 4.
- Lamp, Electric boudoir. C. Wachtel. 1,655,746; Jan. 10.
- Lamp, Electric boudoir. C. Wachtel. 1,665,867; Apr. 10.
- Lamp, Electric floor. J. Tissler. Des. 77,336; Dec. 25.
- Lamp, Electric incandescent. P. O. Cartun. 1,696,594; Dec. 25.
- Lamp, Electric incandescent. P. Duffy. 1,655,761; Jan. 10.
- Lamp, Electric incandescent. S. L. Lebbby. 1,682,916; Sept. 4.
- Lamp, Electric incandescent. F. Skaupy. 1,675,229; June 26.
- Lamp, Electric incandescent. H. Wolff, F. Koref, and F. Skaupy. 1,655,438; Jan. 10.
- Lamp, Electric reflecting. H. A. Douglas. 1,677,752; July 17.
- Lamp, Electric post. M. A. C. de Castro. 1,692,549; Nov. 20.
- Lamp, Electric table. J. P. Weiss. Des. 75,755; July 10.
- Lamp, Electric table. S. Westerfield. Des. 76,273-4; Sept. 4.
- Lamp, Electric table. S. Westerfield. Des. 76,443; Sept. 25.
- Lamp, Electric vapor. R. D. Mailey. 1,676,793; July 10.
- Lamp, Electric vehicle. C. A. Neary. 1,655,559; Jan. 10.
- Lamp, Electrical. C. H. Bissell. Des. 75,094; May 8.
- Lamp, Electromechanical. C. Bernasconi and R. M. Berthier. 1,678,496; July 24.
- Lamp, Examination. C. T. Brady. 1,680,126; Aug. 7.
- Lamp, Extension. E. G. Appleton, A. C. Fischer, and R. Mooney. 1,677,163; July 17.
- Lamp final. J. B. Salterini. Des. 74,452-3; Feb. 14.
- Lamp fixture. J. T. Holmes. 1,686,663; Oct. 9.
- Lamp, Floor. O. B. Bach. Des. 74,650; Mar. 13.
- Lamp, Floor. C. M. Jones. Des. 75,258; May 22.
- Lamp, floor. J. B. Salterini. Des. 76,706; Oct. 23.
- Lamp, Floor. H. T. Scheidacker. Des. 76,638; Oct. 16.
- Lamp, Floor. L. W. Young. Des. 75,142; May 8.
- Lamp, Focusing. R. Eckstein. 1,669,292; May 8.
- Lamp focusing. H. C. Foster. 1,658,556-7; Feb. 7.
- Lamp focusing and adjusting device. S. W. Hyatt. 1,688,544; Oct. 23.
- Lamp-focusing device. E. C. Albright. 1,680,836; Aug. 14.
- Lamp-focusing device. C. E. Godley. 1,658,239; Feb. 7.
- Lamp-focusing device. C. E. Godley. 1,669,659; May 15.
- Lamp-focusing mechanism. S. W. Hyatt. 1,679,574; Aug. 7.
- Lamp-focus-securing device. I. L. Duquette, W. J. Plasse and C. A. Merrill. 1,685,805; Oct. 2.
- Lamp for automobiles. Combined signal and trouble. H. R. Sanders. 1,661,506; Mar. 6.
- Lamp for automobiles, Side. S. E. Drayer. 1,678,332; July 24.
- Lamp for automobiles, Side. C. A. Sims. 1,653,571; Jan. 10.
- Lamp for autos, Illuminating. F. S. Downing. 1,680,508; Aug. 14.
- Lamp for color matching, perching, and similar purposes, Daylight. L. Stott. 1,664,332; Mar. 27.
- Lamp for headlights, Nonglare electric. R. P. McCurdy and F. W. Hochstetter. 1,695,464; Dec. 18.
- Lamp for miners, Electric safety. O. Becker, jr. 1,695,794; Dec. 18.
- Lamp for mines, Safety. H. Takata. 1,660,534; Feb. 28.
- Lamp for motor vehicles, Head. G. F. Jacob. 1,683,896; Sept. 11.
- Lamp for motor vehicles, Instrument-board. L. E. Parsons. 1,656,646; Jan. 17.
- Lamp for motor vehicles, Projector. C. C. Bohner. 1,675,690; July 3.
- Lamp for oral use, Pocket. B. A. Norris. 1,656,754; Jan. 17.
- Lamp for railroad trains, Electric marker. W. B. Barry, jr., and E. G. Myers. 1,657,363; Jan. 24.
- Lamp for use on motor vehicles and for other purposes. S. L. Price. 1,666,876; Apr. 17.
- Lamp for vehicles, Signal. J. T. Green. 1,671,472; May 29.
- Lamp for vehicles, Signal. W. I. Schryver. Des. 75,932; July 31.
- Lamp, Gas-filled electric incandescent. J. Bergmans and T. J. J. A. Manders. 1,683,777; Oct. 23.
- Lamp, Gaseous conduction. F. Schaefer. 1,672,285; June 5.
- Lamp grip. J. R. Townsend. 1,667,910; May 1.
- Lamp guard, Electric-. R. W. Reeves. 1,695,468; Dec. 18.
- Lamp, Hand. F. L. Humeston. 1,659,568; Feb. 21.
- Lamp hanger. A. J. Thompson. 1,689,938; Oct. 30.
- Lamp-hanger structure. A. J. Thompson. 1,679,953; Aug. 7.
- Lamp, Head. F. G. Engle. 1,664,405; Apr. 3.
- Lamp head. C. Sklarek. 1,673,377; June 12.
- Lamp holder and reflector, Combined electric-. R. Swimmer. Des. 74,954; Apr. 17.
- Lamp-holding attachment for miners' caps, Electric. C. W. Watkins. 1,689,090; Oct. 23.
- Lamp house. C. Bouin. 1,675,595; July 3.
- Lamp, Incandescent. E. Henkel and H. Wolff. 1,687,496; Oct. 16.
- Lamp, Incandescent. F. C. McElroy. 1,693,453; Nov. 27.
- Lamp, Incandescent. A. B. Smith. 1,665,799; Apr. 10.
- Lamp, Incandescent electric. G. Holst. 1,665,502; Jan. 10.
- Lamp, Incandescent electric. R. A. Price. 1,673,267; June 12.
- Lamp, Incandescent electric. A. Sved. 1,676,300; July 10.
- Lamp, Indicator. M. Kaplan. Des. 75,431; June 5.
- Lamp, Instrument-board. H. A. Douglas. 1,693,596; Dec. 4.
- Lamp, Kerosene signaling. F. D. Spear. 1,681,139-40; Aug. 14.
- Lamp, License-plate. B. B. Pfeifer. 1,665,276; Apr. 10.
- Lamp lock, Electric. S. A. Clemetson and O. H. Rasmussen. 1,676,323; July 10.
- Lamp lock, Incandescent. J. Cooke. 1,676,728; July 10.
- Lamp-making machine. F. W. Patterson. 1,662,045; Mar. 6.
- Lamp manipulator, Electric. C. H. Watkins. 1,655,979; Jan. 10.
- Lamp, Mercury-vapor. E. Goltstein. 1,669,819; May 15.
- Lamp, Mercury-vapor. W. Ulbrich. 1,694,836; Dec. 11.
- Lamp, Metallic vapor. R. L. M. Belleaud and J. Barrolier. 1,656,898; Jan. 24.
- Lamp, Miniature arc. L. F. Westphalen. 1,658,269; Feb. 7.
- Lamp motor feed, Arc-. A. C. Roebuck. 1,677,657; July 17.
- Lamp, Motor-vehicle. A. Moorhouse. 1,687,877; Oct. 16.
- Lamp, Motor-vehicle. E. Zallocco. 1,679,703; Aug. 7.
- Lamp of candelabra type, Standard. J. H. Baetz. 1,694,434; Dec. 11.
- Lamp, Openwork base for a table. O. B. Bach. Des. 75,089; May 8.
- Lamp or article of analogous nature, Table. P. Cricchio. Des. 76,987; Nov. 27.
- Lamp or similar article. A. Sabath. Des. 75,589; June 19.
- Lamp or the like, Bridge. F. Schwartz. Des. 74,763; Mar. 20.
- Lamp, Outdoor. W. F. Hunt. 1,666,209; Apr. 17.
- Lamp panel or article of analogous nature. L. Zweig. Des. 75,317-18; May 22.
- Lamp, Parlor. C. T. Brady. Des. 74,411; Feb. 14.
- Lamp, Photographic electric. H. Niemeyer. 1,678,574; July 24.
- Lamp, Pocket. C. Arnold. 1,655,304; Jan. 3.

- Lamp, Portable. A. J. Carmichael and O. Balzano. 1,671,510; May 29.
- Lamp, Portable. H. Norwood. Des. 74,238; Jan. 10.
- Lamp, Portable electric. O. B. Brown. 1,670,566; May 22.
- Lamp, Portable electric. J. Kernes. 1,665,703; Apr. 10.
- Lamp, Portable electric. G. C. Knauf. 1,690,491; Nov. 6.
- Lamp, Portable electric. U. F. L. Steindorff. 1,695,987; Dec. 18.
- Lamp, Portable* electric. J. F. Whelan. Des. 74,848; Apr. 3.
- Lamp post. L. Gedgaud. Des. 75,555; June 19.
- Lamp post. E. K. Lockard. Des. 76,196; Aug. 28.
- Lamp post. J. W. Speer. 1,667,828; May 1.
- Lamp post, Ready-built. H. M. Lloyd. 1,693,760; Dec. 4.
- Lamp posts, Capital for. W. Underwood. Des. 75,704; July 3.
- Lamp posts, Head for. W. Underwood. Des. 75,705; July 3.
- Lamp, Projector. P. R. Bassett. 1,671,805; May 29.
- Lamp, Projector. T. Hall. 1,677,521; July 17.
- Lamp, Projector. T. Hall. 1,679,718; Aug. 7.
- Lamp, Projector. T. Hall. 1,691,475; Nov. 13.
- Lamp, Prosthetic. J. H. Kaplan. Des. 75,372; May 29.
- Lamp, Railway. F. E. McLaughlin. 1,682,300; Aug. 28.
- Lamp, Reading. H. M. Peters. Des. 75,746; July 10.
- Lamp, Renewable filament. M. V. Coleman. 1,690,056; Oct. 30.
- Lamp retainer and mounting, Incandescent. R. M. Hill. 1,661,138; Feb. 28.
- Lamp, Safety. E. J. Quinn, C. E. Sprake, and H. J. Gritman. 1,662,333; Mar. 13.
- Lamp shade. C. Apelt. Des. 76,594; Oct. 16.
- Lamp shade. D. V. Genachte. Des. 76,437; Sept. 25.
- Lamp shade. F. K. Maerz. Des. 74,314; Jan. 24.
- Lamp shade. P. B. Moore. 1,687,733; Oct. 16.
- Lamp shade. J. Stivale. Des. 74,398; Feb. 7.
- Lamp-shade construction. L. Ober. 1,660,883; Feb. 28.
- Lamp-shade frame. A. Lustig. 1,683,585; Sept. 4.
- Lamp shade or similar article. R. Beardsley. Des. 74,159-61; Jan. 3.
- Lamp, Signal. I. Alexander. Des. 74,859; Apr. 10.
- Lamp, Signal. J. A. Amos. 1,673,035; June 12.
- Lamp, Signal. R. J. Gaskill. 1,661,421; Mar. 6.
- Lamp, Signal. S. L. Leiby. 1,686,822; Oct. 9.
- Lamp, Smoker's. W. Silverman. 1,693,620; Dec. 4.
- Lamp socket. J. Hohl. 1,658,599; Feb. 7.
- Lamp socket. J. Hohl. 1,659,951; Feb. 21.
- Lamp socket. A. Leytham. 1,657,540; Jan. 31.
- Lamp-socket holder. H. E. Adams. 1,660,060; Feb. 21.
- Lamp socket, lamp, and adapter therefor, Incandescent electric. A. S. Howell. 1,675,554; July 3.
- Lamp sockets, Lamp retainer for. D. N. Thompson. 1,663,264; Mar. 20.
- Lamp spindle or similar article. T. La Tessa. Des. 75,175-8; May 15.
- Lamp, Spot. E. G. K. Anderson. 1,659,013; Feb. 14.
- Lamp, Spring-driven-generator electric. A. L. Fisher. 1,655,601; Jan. 10.
- Lamp stand. A. Colucci. Des. 76,915; Nov. 20.
- Lamp stand. I. H. Kravitt. Des. 74,930; Apr. 17.
- Lamp stand. G. Shrosbree. Des. 76,642; Oct. 16.
- Lamp stand. L. H. Tutt. Des. 77,046; Nov. 27.
- Lamp stand and controlling mechanism therefor, Bedroom. S. B. Shifflett. 1,678,920; July 31.
- Lamp stand, Concrete. R. S. Ellis. 1,678,500; July 24.
- Lamp standard. D. O. Calder. Des. 74,416; Feb. 14.
- Lamp standard. A. de Vries. Des. 74,723; Mar. 20.
- Lamp standard. A. de Vries. Des. 75,099; May 8.
- Lamp standard. S. G. Edmondson. Des. 75,783; July 17.
- Lamp standard. J. Lieberman. Des. 77,245; Dec. 18.
- Lamp standard. F. G. Welsch. Des. 76,767; Oct. 30.
- Lamp standard. H. H. Wolter. Des. 75,890; July 24.
- Lamp-stem holder. J. J. Higgins. 1,663,550; Mar. 27.
- Lamp structure. H. C. Foster. 1,671,024; May 22.
- Lamp support. C. F. Haas. Des. 74,434-5; Feb. 14.
- Lamp support. C. F. Haas. Des. 74,791; Mar. 27.
- Lamp support. C. F. Haas. Des. 75,492; June 12.
- Lamp support. W. L. Morrison. 1,680,951; Aug. 14.
- Lamp support for automobile running boards. W. A. Gullette. 1,675,931; July 3.
- Lamp-supporting bracket. A. R. Kanné. Des. 75,568; June 19.
- Lamp suspension. J. Foell. 1,662,568; Mar. 13.
- Lamp, Switchboard. H. P. Sparkes. 1,664,228; Mar. 27.
- Lamp, Table. O. B. Bach. Des. 74,649; Mar. 13.
- Lamp, Table. M. L. Goldberg. Des. 74,561; Feb. 28.
- Lamp, Table. J. B. Salterini. Des. 76,708; Oct. 23.
- Lamp, Table. J. B. Salterini. Des. 76,710; Oct. 23.
- Lamp, Table. I. G. Scott. Des. 75,524; June 12.
- Lamp, Therapeutic. F. A. Anderson. 1,680,583; Aug. 14.
- Lamp, Therapeutic. L. Brown. 1,690,717; Nov. 6.
- Lamp, Therapeutic. P. E. Johnson. Des. 76,542; Oct. 9.
- Lamp, Therapeutic. A. A. Kull. 1,681,736; Aug. 21.
- Lamp, Therapeutic. W. T. Lewis. 1,692,413; Nov. 20.
- Lamp, Therapeutic. W. T. Lewis. 1,694,067; Dec. 4.
- Lamp, Therapeutic. F. W. Robinson and K. V. Knapp. 1,695,061; Dec. 11.
- Lamp, Therapy and infra-red-ray. H. S. Akers. 1,684,081; Sept. 11.
- Lamp, Train signal. F. D. Spear. 1,695,258; Dec. 11.
- Lamp, Vapor electric. R. D. Mailey. 1,676,792; July 10.
- Lamp, Vehicle. F. C. McElroy. 1,675,037; June 26.
- Lamp, Vehicle head. H. B. Donley. 1,696,111; Dec. 18.
- Lamp, Vehicle head. C. H. Jording. 1,674,012; June 19.
- Lamp, Vehicle head. K. Newland and L. J. Miller. 1,694,485; Dec. 11.
- Lamp, Water-cooled. L. J. Buttolph. 1,661,597; Mar. 6.
- Lamp, Windproof. D. J. G. Watkins. 1,693,704; Dec. 4.
- Lamps and similar devices, Heat deflector for incandescent. J. F. Donovan. 1,670,716; May 22.
- Lamps and the like, Door construction for. R. E. Crossley. 1,682,371; Aug. 28.
- Lamps and the like, Hanger for. D. Anglada. 1,673,930; June 19.
- Lamps, Base for therapeutic. P. E. Johnson. Des. 75,012; May 1.
- Lamps, Bulb adapted for signal. L. C. Kuehner. 1,658,446; Feb. 7.
- Lamps, Cluster outlet for electric. F. Chadwick. 1,656,725; Jan. 17.
- Lamps, Device for removing theftproof. L. Kulp, and R. S. Corlett. 1,673,288; June 12.
- Lamps, Explosionproof fitting for electric glow. J. Beckmann. 1,675,837; July 3.
- Lamps, Focusing device for signal. G. H. Rolfe. 1,667,393; Apr. 24.
- Lamps, Lighter for gasoline. E. O. Daehn. 1,655,893; Jan. 10.
- Lamps, Machine for making stems for incandescent. C. Eisler. 1,655,051; Jan. 3.
- Lamps or similar articles, Base for incandescent. I. H. Van Horn. 1,694,997; Dec. 11.
- Lamps, Rebasing. R. C. Leake. 1,691,014; Nov. 6.
- Lamps, Reflector head for therapeutic. P. E. Johnson. Des. 75,034; May 1.
- Lamps, Safety device for series-connected incandescent electric. F. Eckhardt and M. Hohnkamp. 1,681,471; Aug. 21.
- Lamps, Securing device for miners'. A. L. Welch. 1,676,972; July 10.
- Lamps, Spring lock for incandescent. F. H. Owens. 1,682,682; Aug. 28.
- Lamps, Supplemental resistance for serially-mounted. A. Lampl. 1,692,272; Nov. 20.
- Lamps, Support for. W. L. Laib. 1,693,238; Nov. 27.
- Land leveler. C. W. Tharp. 1,672,140; June 5.
- Land leveler, Farmer's. G. H. Ruhl. 1,671,999; June 5.
- Land roller. E. Ringel. 1,687,389; Oct. 9.
- Landing equipment for airships. H. R. Liebert and W. Fischer. 1,694,861; Dec. 11.
- Landing light, Retractable. W. H. Capell. 1,696,521; Dec. 25.
- Lantern. G. E. Allen. 1,664,447; Apr. 3.
- Lantern. E. B. Bronson. 1,667,343; Apr. 24.
- Lantern. A. L. Buschman. Des. 75,546; June 19.
- Lantern. A. H. Handlan. 1,667,379; Apr. 24.
- Lantern. A. H. Handlan. 1,676,861; July 10.
- Lantern. D. E. Lindsay. Des. 75,438; June 5.
- Lantern. D. E. Lindsay. 1,696,244; Dec. 25.
- Lantern. O. E. Paxson. Des. 76,549; Oct. 9.
- Lantern. I. Rosenblatt. Des. 75,048; May 1.
- Lantern. I. Rosenblatt. Des. 75,057; May 1.
- Lantern. A. F. Seidell. Des. 77,130; Dec. 4.
- Lantern and number-plate support, Porch. R. S. Aspinwall. 1,660,026; Feb. 21.
- Lantern and supporting bracket, Combined porch. R. S. Aspinwall. Des. 76,367; Sept. 25.
- Lantern body or article of analogous nature. L. Hecht. Des. 77,090; Dec. 4.
- Lantern, Bracket. R. S. Bardwell. Des. 74,345; Feb. 7.
- Lantern, Electric. E. B. Bronson. 1,667,706; Apr. 24.
- Lantern, Electric. W. S. Hamm. 1,653,348; Sept. 4.
- Lantern electric-light fixture. J. Shortt. Des. 76,062; Aug. 14.
- Lantern, Electric safety. P. D. Payne. 1,678,351; July 24.
- Lantern for lighting posts. W. Underwood. Des. 77,196; Dec. 11.
- Lantern frame. H. R. Holdeman. Des. 76,866; Nov. 13.
- Lantern, Hand. A. H. Handlan. 1,667,378; Apr. 24.
- Lantern or article of analogous nature. A. R. Krause. Des. 76,312; Sept. 11.
- Lantern, Post-top. J. R. Townsend. Des. 74,811; Mar. 27.
- Lantern, Signal. W. S. Hamm. 1,660,194; Feb. 21.
- Lantern, Signal. E. J. Welder. 1,664,653; Apr. 3.
- Lantern, Street-light. W. Underwood. Des. 75,706; July 3.
- Lanterns, Mounting for. W. E. Price. 1,677,489; July 17.
- Lanterns, Regulating-valve mechanism for gasoline. C. Meissner. 1,662,978; Mar. 20.
- Lap table. F. H. Farrington. 1,670,145; May 15.
- Lapel, Detachable. F. Hofer. 1,691,717; Nov. 13.
- Lapping machine. R. Hofstetter. 1,667,006; Apr. 24.
- Lapping machine. C. O. C. Pack, sr. 1,659,331; Feb. 14.
- Lapping machine. K. E. Summers. 1,662,137; Mar. 13.
- Larynx, Artificial. E. J. McKesson. 1,685,824; Oct. 2.
- Last. G. Clausing. 1,655,938; Jan. 10.
- Last. G. B. Fitz. 1,678,771; July 31.
- Last. W. A. Krentler. 1,669,984; May 15.
- Last. W. A. Krentler. 1,674,621; June 19.
- Last. W. A. Krentler. 1,685,783; Oct. 2.
- Last. C. E. Lurcott. 1,687,623; Oct. 2.
- Last. J. J. Mahler. 1,688,466; Oct. 23.
- Last. P. C. Wolfer. 1,688,065; Oct. 16.
- Last, Divided. G. P. S. Cross. 1,660,478; Feb. 28.
- Last, Divided. G. M. Ray. 1,688,354; Oct. 23.

- Last-engaging dog for last lathes. W. H. Kay. 1,684,960; Sept. 18.
- Last for pump shoes. M. W. Parker. 1,660,763; Feb. 28.
- Last, Sectional. S. Gubitosi. 1,664,293; Mar. 27.
- Last, Shoemaker's. J. Toole. 1,691,415; Nov. 13.
- Last, Shoe-stretching. E. Galterio. 1,691,054; Nov. 13.
- Lasting machine. V. H. Bodle and F. C. Francisco. 1,687,824; Oct. 16.
- Lasting machine. F. J. MacDonald. 1,663,458; Mar. 20.
- Lasting machine. A. F. Pym. 1,662,254; Mar. 13.
- Lasting machine. A. F. Pym. 1,692,278; Nov. 20.
- Lasts and their shoe materials, Positioning. A. F. Pym. 1,674,060; June 19.
- Lasts, Finishing. P. S. Jones. 1,673,874; June 19.
- Lasts, Manufacture of. L. E. Topham. 1,669,500; May 15.
- Latch. W. W. Ayotte. 1,666,985; Apr. 24.
- Latch. J. H. Bean. 1,692,366; Nov. 20.
- Latch. F. Beemer. 1,654,913; Jan. 3.
- Latch. O. P. Cramer. 1,685,274; Sept. 25.
- Latch. B. R. Crampton. 1,688,526-7; Oct. 23.
- Latch. A. Ekman. 1,658,481; Feb. 7.
- Latch. A. Ekman. 1,658,921; Feb. 14.
- Latch. W. D. Ferris. 1,674,965; June 26.
- Latch. J. B. Freysinger. 1,684,217; Sept. 11.
- Latch. B. Giragosian. 1,687,650; Oct. 16.
- Latch. W. H. Greene. 1,654,729; Jan. 3.
- Latch. F. J. Jarecki. 1,675,176; June 26.
- Latch. A. Keesling. 1,681,187; Aug. 21.
- Latch. C. Maxon. 1,680,515; Feb. 28.
- Latch. R. G. Moore. 1,680,564; Aug. 14.
- Latch. R. G. Moore and A. Claud-Mantle. 1,676,867; July 10.
- Latch. O. L. Prime and A. Laukhuff. 1,669,020; May 8.
- Latch. G. E. Roedding. 1,694,866; Dec. 11.
- Latch. J. H. Shaw. 1,688,472; Oct. 23.
- Latch. J. N. Stone. 1,656,994; Jan. 24.
- Latch. F. M. Williamson. 1,670,527; May 22.
- Latch. W. E. Worthen. 1,693,912; Dec. 4.
- Latch and dogging means therefor. H. Broomhall. 1,687,926; Oct. 16.
- Latch and opener, Door. R. H. Thrasher. 1,683,426; Sept. 4.
- Latch and signal, Mail-box. H. C. Feist. 1,685,874; Oct. 2.
- Latch, Automatic pressure. L. M. Page and L. Meylach. 1,657,031; Jan. 24.
- Latch, Automatic safety. F. M. Schultz. 1,685,057; Sept. 18.
- Latch, Automobile hood. F. E. Liverance, jr. 1,670,116; May 15.
- Latch, Automobile hood. Q. G. Noblitt. 1,678,192; July 24.
- Latch, Automobile hood. E. A. Stevenson. 1,669,356; May 8.
- Latch, Bag. M. Miller. 1,663,883; Mar. 20.
- Latch, Barn and garage door. G. R. Moss and R. D. Parks. 1,694,553; Dec. 11.
- Latch, Barn-door. D. Smith. 1,670,908; May 22.
- Latch, Bird-cage. B. Markow. 1,657,578; Jan. 31.
- Latch, Cabinet. A. C. D'Alfonso. 1,692,248; Nov. 20.
- Latch, Camera-back. E. E. Underwood. 1,655,525; Jan. 10.
- Latch, Car-door. F. Axelson. 1,691,028; Nov. 13.
- Latch construction, Door-. J. E. Gloekler. 1,685,419; Sept. 25.
- Latch control, Reversible. T. P. Archer and F. M. Edgar. 1,662,485; Mar. 13.
- Latch, Cupboard. F. W. McCormick. Des. 76,351; Sept. 18.
- Latch, Cupboard. A. F. Winters. 1,676,593; July 10.
- Latch, Cylinder door. D. Bell. 1,675,591; July 3.
- Latch, Dead-locking. H. W. Keigwin. 1,688,240; Oct. 16.
- Latch, Door. W. C. Devereaux. 1,663,245; Mar. 20.
- Latch, Door. H. W. Hancock. 1,664,681; Apr. 3.
- Latch, Door. L. S. Lieberman. 1,655,730; Jan. 10.
- Latch, Door. G. E. Roedding. 1,658,903; Feb. 14.
- Latch, Door. W. R. Schlage. 1,691,528; Nov. 13.
- Latch, Door. C. S. Shilling, and D. B. Louzon. 1,662,907; Mar. 20.
- Latch, Door. T. F. Stuart and H. A. Moore. 1,661,548; Mar. 6.
- Latch, Door. W. W. Van Duzer. 1,657,423; Jan. 24.
- Latch, Double-acting. R. P. L. Seng. 1,675,579; July 3.
- Latch, Double-acting door. C. J. Hagstrom. 1,685,998; Oct. 2.
- Latch for automobiles, Door. E. N. Jacobi. 1,687,497; Oct. 16.
- Latch for automobiles, Hood. M. H. Toncray. 1,678,025; July 24.
- Latch for carriage doors and the like. C. T. Weymann. 1,690,655; Nov. 6.
- Latch for covers for typewriting machines. J. Waldheim. 1,692,428; Nov. 20.
- Latch for electric-switch boxes. B. E. Getchell. 1,681,850; Aug. 21.
- Latch for lockers. J. Sturm and W. Caldwell. 1,671,328; May 29.
- Latch for refrigerator doors and the like. E. C. Osbeck. 1,679,873; Aug. 7.
- Latch for sliding doors. H. E. Huyck. 1,656,587; Jan. 17.
- Latch for sliding doors. P. P. Welty. 1,696,785; Dec. 25.
- Latch for the doors of motor road vehicles. W. K. Kaye. 1,681,346; Aug. 21.
- Latch for vehicle doors. R. V. Kaimrer. Re17,035; July 17.
- Latch for windows. Top. C. A. Lewis. 1,681,989; Aug. 28.
- Latch, Gate. H. R. Baeth. 1,663,152; Mar. 20.
- Latch, Gate. W. C. Stewart. 1,671,876; May 29.
- Latch, Gate. J. Swenka. 1,663,867; Mar. 27.
- Latch, Gate. J. A. Tilton. 1,656,305; Jan. 17.
- Latch guide for dredge buckets. E. E. Crane. 1,660,598; Feb. 28.
- Latch, Hood. M. G. Baker. 1,669,034; May 8.
- Latch, Hood. C. B. Gilmore. 1,661,891; Mar. 6.
- Latch, Hood. C. B. Gilmore. 1,695,544; Dec. 18.
- Latch, Hood. F. E. Liverance, jr. 1,670,117; May 15.
- Latch, Hospital. N. B. Hurd. 1,687,248; Oct. 9.
- Latch, Locker. A. F. Foehrenbach. 1,677,278; July 17.
- Latch mechanism. G. Dickerson. 1,658,762; Feb. 7.
- Latch mechanism. J. Ledwinka. 1,664,122. Mar. 27.
- Latch mechanism, Door-. C. R. Smith. 1,676,059; July 3.
- Latch mechanism for hooks. J. P. Beer. 1,669,805; May 15.
- Latch-mechanism handle. W. J. Mayer. 1,684,499; Sept. 18.
- Latch, Metal. L. W. Cross. 1,691,227; Nov. 13.
- Latch mill. J. T. Payette. 1,660,885; Feb. 28.
- Latch Motor-vehicle hood. V. E. Wuthnow. 1,685,475; Sept. 25.
- Latch, Notch bolt. T. F. Stuart. 1,663,572; Mar. 27.
- Latch or similar article. M. Leventhal. Des. 75,036; May 1.
- Latch, Refrigerator. W. Zubow. 1,662,449; Mar. 13.
- Latch, Reversible. A. F. Winters and B. R. Crampton. 1,659,849; Feb. 21.
- Latch, Sash. T. W. Holt. 1,659,655; Feb. 21.
- Latch, Sash. T. A. Legge. 1,662,829; Mar. 20.
- Latch, Sash. F. Pekar. 1,661,634; Mar. 6.
- Latch, Screen. F. D. and C. Hobbs. 1,696,355; Dec. 25.
- Latch, Seal. E. A. Conaway. 1,687,083; Oct. 9.
- Latch, Sliding-door. H. J. Spencer. 1,696,870; Dec. 25.
- Latch spindle and lock assembly. S. I. Fekete. 1,679,026; July 31.
- Latch, Spring. F. L. Borchert. 1,693,706; Dec. 4.
- Latch, Spring. M. Lefkovitz and J. Cohen. 1,675,033; June 26.
- Latch, Spring-controlled. T. O. Schrader. 1,692,579; Nov. 20.
- Latch switch. S. F. Briggs and E. N. Jacobi. 1,687,490; Oct. 16.
- Latch, Vehicle door. C. G. Anderson. 1,662,450; Mar. 13.
- Latch, Window. G. T. Apostolos. 1,671,336; May 29.
- Latch, Window. C. A. Lewis. 1,681,986; Aug. 28.
- Latch, Window. C. Richard. 1,658,688; Feb. 7.
- Latches, Attachment for. H. M. Whitcomb. 1,691,320; Nov. 13.
- Latches, Handle-attaching means for door. L. Ottinger. 1,655,918; Jan. 10.
- Latches, Operating means for automobile door. F. Klein-smith. Des. 16,938; Apr. 17.
- Latches, Operating mechanism for door. H. Broomhall. 1,659,589; Feb. 21.
- Latching and locking mechanism. F. Albach. 1,670,277; May 15.
- Latching device. H. C. Innes. 1,659,822; Feb. 21.
- Latching device. J. Schorr. 1,674,924; June 26.
- Latching device, Door or the like. V. Colson. 1,696,137; Dec. 18.
- Latching device for radiator caps. A. C. Lippert. 1,692,179; Nov. 20.
- Latching device for refrigerator doors. T. O. Schrader. 1,667,494; Apr. 24.
- Latching device, Radiator-cap-. A. C. Lippert. 1,692,178; Nov. 20.
- Latching means for adjustable tables. J. Cooper. 1,689,663; Oct. 30.
- Latching means for door-lock handles. W. C. Devereaux. 1,685,317; Sept. 25.
- Latching means for window screens. P. Schnurr. 1,667,607; Apr. 24.
- Latching mechanism. A. L. Kerr. 1,683,553; Sept. 4.
- Latching mechanism, Door-. H. A. Douglas. 1,668,553; May 8.
- Latching mechanism for intermittent thread-cutting temples. G. H. Willard. 1,667,466; Apr. 24.
- Latex and producing same, Stabilized. M. R. Day. 1,689,581; Oct. 30.
- Latex and product thereof, Using. W. B. Wescott. 1,690,150; Nov. 6.
- Latex and the products obtained thereby, Treating. S. M. Cadwell. 1,680,857; Aug. 14.
- Latex and the products obtained therefrom Treating. W. A. Gibbons and J. McGavack. 1,673,672; June 12.
- Latex for forming fabric seams, Use of. C. C. Loomis and G. E. Perry. 1,673,573; June 12.
- Latex, Manufacturing rubber articles from. S. M. Cadwell. 1,680,858; Aug. 14.
- Latex, Treating rubber. S. M. Cadwell. 1,680,856; Aug. 14.
- Lath. S. K. Cowan. 1,664,875; Apr. 3.
- Lath board. G. A. Buttress. 1,694,640; Dec. 11.
- Lath, Expanded-metal. L. E. Curtis. 1,655,091; Jan. 3.
- Lath, Metal. J. H. Killion. 1,690,450; Nov. 6.
- Lath, Metal. G. F. Voight. 1,661,642; Mar. 6.
- Lath, Plaster-board. O. L. Rout and R. M. Greenleaf. 1,668,869; May 8.

- Lath support and loom fastener. P. P. Kaufman. 1,659,295; Feb. 14.
- Lath, Wall-board. J. Strand. 1,673,128; June 12.
- Laths, Attaching means for steel. G. F. Pawling. 1,662,896; Mar. 20.
- Laths, Machine for making W. D. Hicks. 1,654,934; Jan. 3.
- Lathe. S. E. Boynton. 1,662,561; Mar. 13.
- Lathe. F. B. Cockburn. 1,670,139; May 15.
- Lathe. E. Coenen. 1,664,968; Apr. 3.
- Lathe. H. W. Melling. 1,655,655; Jan. 10.
- Lathe. C. E. Reed. 1,660,048; Feb. 21.
- Lathe. C. E. Reed. 1,684,072; Sept. 11.
- Lathe. G. D. Sundstrand. 1,663,670-71; Mar. 27.
- Lathe. G. D. Sundstrand. 1,672,475; June 5.
- Lathe attachment, Gear-rounding-off. S. Helfgott. 1,661,334; Mar. 6.
- Lathe, Automatic multiple-spindle. E. P. Bullard, jr. 1,696,027; Dec. 18.
- Lathe, Automatic multiple-spindle milling. J. A. Doane. 1,664,740; Apr. 3.
- Lathe, Axle. F. S. Floeter. 1,670,109; May 15.
- Lathe center. W. H. Flinn. 1,688,040; Oct. 16.
- Lathe chuck, Crank-shaft. W. F. Groene. 1,664,622; Apr. 3.
- Lathe, Crank-pin. L. J. Kirchenbauer. Re17,040; July 17.
- Lathe headstock. H. Dalton. 1,663,828; Mar. 27.
- Lathe, Last-maker's. P. Amann. 1,659,586; Feb. 21.
- Lathe, Motor-operated veneer. F. W. Milbourn. 1,670,076; May 15.
- Lathe, Selective geared head. C. M. Conradson. 1,683,448; Sept. 4.
- Lathes and like machines, Ways for. E. C. Schmelz-kopf. 1,673,163; June 12.
- Lathes and screw machines, Spring collar. G. J. Palaith. 1,380,632; Aug. 14.
- Lathes and support therefor, Cutter head for last-turning. J. E. Coville. 1,662,375; Mar. 13.
- Lathes, Back-turning attachment for. N. King. 1,662,192; Mar. 13.
- Lathes, Ball-turning attachment for. J. T. Compton. 1,663,192; Mar. 20.
- Lathes, Carriage-stop mechanism for. F. C. Dull. 1,686,743; Oct. 9.
- Lathes, Control attachment for engine. B. J. Callan. 1,674,465; June 19.
- Lathes, Drive mechanism for polishing. G. Haumann. 1,663,596; Mar. 27.
- Lathes, Facing attachment for. F. B. Cockburn. 1,686,438; Oct. 2.
- Lathes, Feed and traversing motion for. F. R. Deuring. 1,665,158; Apr. 3.
- Lathes, Oscillating tool support for. L. C. Cole. 1,656,345; Jan. 17.
- Lathes, Tailstock for. R. A. Ashton. 1,689,709; Oct. 30.
- Lathes, Turret attachment for. A. J. Libert. 1,695,926; Dec. 18.
- Lathes, Work driver for car-wheel. M. W. Shelhouse. 1,690,598; Nov. 6.
- Latices, Collecting spray-dried. R. Hopkinson. 1,690,114; Nov. 6.
- Latitude indicator. E. C. Sparling. 1,685,762; Sept. 25.
- Lattice-work, Self-contained. E. M. Hünnebeck. 1,678,435; July 24.
- Launching, lowering, and raising boats, Apparatus for. A. R. T. Woods. 1,678,928; July 31.
- Lauder. D. H. Needham, P. Pearson, and W. H. Dawson. 1,674,789; June 26.
- Laudering. J. Takamine and J. Takamine, jr. 1,660,458; Feb. 28.
- Laudering machine. W. W. Trinks. 1,658,909; Feb. 14.
- Laundries, Extractor for. M. Troy. 1,671,913; May 29.
- Laundry bag, Paper. T. E. Jewell. 1,692,777; Nov. 20.
- Laundry carrier. J. E. S. Russell. 1,672,092; June 5.
- Laundry-checking device. A. B. Clisson. 1,689,717; Oct. 30.
- Laundry-classifying table. A. T. Moore. 1,677,648; July 17.
- Laundry conveyer. W. H. Burnham and J. E. Floyd. 1,670,401; May 22.
- Laundry-distributing apparatus. T. L. Lowe. 1,684,452; Sept. 18.
- Laundry drier. T. J. Mullen. 1,689,743; Oct. 30.
- Laundry drier. C. F. Nofztger. 1,671,442; May 29.
- Laundry drier. C. F. Nofztger. 1,672,274; June 5.
- Laundry drier. W. C. Schrenkelsen. 1,664,490; Apr. 3.
- Laundry drier. R. W. Yates. 1,664,098; Mar. 27.
- Laundry iron, Electric. E. J. Rohnel. 1,668,250; May 1.
- Laundry machine. F. C. Wilhelm. 1,661,646; Mar. 6.
- Laundry machine. A. S. Wise. 1,675,398; July 3.
- Laundry-machine-locking mechanism. J. H. Siemann. 1,659,474; Feb. 14.
- Laundry machinery. F. H. Ebnts. 1,674,036; June 19.
- Laundry machines, Safety device for. H. Louth. 1,656,007; Jan. 10.
- Laundry-marking pin. H. M. Perkins. 1,664,087; Mar. 27.
- Laundry tag. C. W. Canine. 1,660,544; Feb. 28.
- Laundry washing machine. W. P. Large. 1,662,784; Mar. 13.
- Lavatory. P. J. Brewington. 1,659,851; Feb. 21.
- Lavatory. C. C. Campus. 1,663,111; Mar. 20.
- Lavatory. C. R. Crane, 2d. Des. 76,917-18; Nov. 20.
- Lavatory. F. W. Frankenberger. Des. 76,745; Oct. 30.
- Lavatory. J. C. Griffiths. Des. 74,880; Apr. 10.
- Lavatory. F. B. McFeely. Des. 75,582; June 19.
- Lavatory. C. B. Nash. Des. 76,760; Oct. 30.
- Lavatory. S. Smith. Des. 74,844-5; Apr. 3.
- Lavatory and dressing table, Combination. L. J. Graham. Des. 77,151; Dec. 11.
- Lavatory-assembling machine, Self-leveling. J. Gray. 1,660,379; Feb. 28.
- Lavatory bowl. C. B. Nash. Des. 76,700; Oct. 23.
- Lavatory fixture. A. W. Hallberg. 1,687,019; Oct. 9.
- Lavatory fixture. H. MacMillan. Re16,923; Mar. 20.
- Lavatory fixture. J. A. Seibert. 1,669,026; May 8.
- Lavatory, Portable. H. L. Smith. 1,680,121; Aug. 7.
- Lavatory support. T. Mason. 1,657,020; Jan. 24.
- Lawn edger. M. Reppe. 1,660,177; Feb. 21.
- Lawn edger. J. G. Spahn. 1,675,670; July 3.
- Lawn guard. D. V. Swearingen. Des. 76,563; Oct. 9.
- Lawn sprinkler. G. L. Baldwin. 1,681,719; Aug. 21.
- Lawn sprinkler. W. L. Deming. 1,672,558; June 5.
- Lawn sprinkler. H. F. Koepf. 1,657,538; Jan. 31.
- Lawn sprinkler. L. R. Nelson. 1,677,486; July 17.
- Lawn sprinkler, Disappearing or telescopic. W. H. Graham. 1,696,298; Dec. 25.
- Lawn trimmer. R. St. Clair. 1,694,894; Dec. 11.
- Laxative. R. Pasternack. 1,681,361; Aug. 21.
- Laying linoleum or the like. C. N. Wenrich. 1,692,480; Nov. 20.
- Laying or guiding ropes, chans, and cables, Apparatus for. W. S. Smith and A. D. Shuter. 1,670,993; May 22.
- Layout device. L. J. Brown. 1,671,341; May 29.
- Leaching apparatus. W. L. Remick. 1,678,787; July 31.
- Leaching process. R. F. Grant, F. B. Richards, and H. E. Wetherbee. 1,690,446; Nov. 6.
- Lead accumulator. R. Oppenheim. 1,667,435; Apr. 24.
- Lead alkyls, Making. M. A. Youtz. 1,658,544; Feb. 7.
- Lead-alloy articles, Improving. R. S. Dean and W. E. Hudson. 1,674,957; June 26.
- Lead-cable press. P. Wiegardt. 1,689,572; Oct. 30.
- Lead-cable press, Vertical. P. Wiegardt. 1,689,573; Oct. 30.
- Lead comes, Making. W. J. Burrows. 1,685,518; Sept. 25.
- Lead carbonate from crude lead sulphate, Producing pure. R. Daloz. 1,691,841; Nov. 13.
- Lead for lead pencils. B. C. Becker. 1,656,971; Jan. 24.
- Lead, Making tetra-alkyl. W. S. Calcott and H. W. Daudt. 1,692,926; Nov. 27.
- Lead, Making tetra-alkyl. K. P. Monroe. 1,661,809; Mar. 6.
- Lead-pot support. A. D. Keene. 1,657,508; Jan. 31.
- Lead, Producing tetra-alkyl. K. P. Monroe and K. Williams. 1,661,810; Mar. 6.
- Lead sludge, Conversion of. J. B. Hill. 1,667,550; Apr. 24.
- Lead sludge, Treatment of. J. E. Hill. 1,682,562; Aug. 28.
- Lead-testing machine. P. E. Garland. 1,667,109; Apr. 24.
- Leaf collector. C. C. Myrick. 1,662,160; Mar. 13.
- Leaf for a bank deposit book. R. F. Outcault, jr. Des. 76,257; Sept. 4.
- Leaf spring. F. J. Smith. 1,689,303; Oct. 30.
- Leaf-stemming machine. W. B. Storey. 1,654,998; Jan. 3.
- Leaf turner. L. Boyd. 1,689,106; Oct. 23.
- Leaf turner. G. E. Meyer. 1,684,043; Sept. 11.
- Leaf turner. G. Schoenfeld. 1,686,422; Oct. 2.
- Leakage, Preventing. D. F. Asbury. 1,663,035; Mar. 20.
- Leaks, especially in the bottom and side walls of ships' hulls, Apparatus for stopping. B. H. Körner. 1,676,395; July 10.
- Leather and fabric coating machine. C. B. Spalsbury. 1,668,786; May 8.
- Leather, Apparatus for stretching. R. C. Fogg. 1,657,464; Jan. 31.
- Leather, Blank of. H. R. Samstag. Des. 76,260; Sept. 4.
- Leather, Blank of. H. R. Samstag. Des. 76,324; Sept. 11.
- Leather cutter. H. Pepin. 1,662,398; Mar. 13.
- Leather, Embossing. A. G. Manns. 1,657,889; Jan. 31.
- Leather, Finishing. F. W. Ellington. 1,664,742; Apr. 3.
- Leather finishing. A. Small. 1,696,815; Dec. 25.
- Leather, Manufacture of artificial. P. Magnus. 1,694,129; Dec. 4.
- Leather, Manufacturing imitation. R. C. Hartong. 1,694,258; Dec. 4.
- Leather or similar article. T. A. Glendon, jr. Des. 76,532; Oct. 9.
- Leather or similar article. B. Stember. Des. 77,333; Dec. 25.
- Leather, Preparing. A. M. Kinney. 1,655,868; Jan. 10.
- Leather product. M. H. Cook. 1,677,125; July 17.
- Leather substitute and making the same, Buffing. R. B. Respass. 1,663,954; Mar. 27.
- Leather substitutes. J. D. McBurney and E. H. Nollau. 1,656,284; Jan. 17.
- Leather, Treating. J. A. Millican. 1,659,957; Feb. 21.
- Leather, Waterproofing. H. V. Dunham. 1,677,435; July 17.
- Leather wafers, Producing. S. M. Straus. 1,657,847; Jan. 31.
- Leather-working machine. O. Böttger. 1,694,437; Dec. 11.
- Leather-working machine. L. O. Ramsdell. 1,688,655; Oct. 23.
- Leather-working machine. G. A. Schettler. 1,683,704; Sept. 11.

- Ledger and statement sheet. D. C. Kerr and L. S. Jones. 1,668,812; May 8.
 Ledger book. C. L. Harvey. 1,660,923; Feb. 28.
 Ledgers, Sheet-retaining post for loose-leaf. J. Schade. 1,661,811; Mar. 6.
 Leer construction. H. S. Heichert. 1,683,973; Sept. 11.
 Leer conveyor and driving mechanism. K. E. Peiler. 1,674,794; June 26.
 Leer conveyor mechanism. P. Q. Williams. 1,660,463; Feb. 28.
 Leer, Glass. W. A. Morton. 1,684,239; Sept. 11.
 Leer, Glassware-annealing. L. D. Soubier. 1,678,234; July 24.
 Leg, Artificial. L. J. Lamb. 1,684,921; Sept. 18.
 Leg-elevating mechanism. S. B. Winn. 1,660,949; Feb. 28.
 Legging. C. A. Erickson. 1,685,991; Oct. 2.
 Legging. J. Fleischman. 1,668,535; May 1.
 Legging. C. R. Holcomb. 1,672,981; June 12.
 Legging. B. D. Large. 1,668,458; May 1.
 Legging. H. S. Raub. 1,678,954; July 31.
 Leggings. H. C. Greulich. 1,691,057; Nov. 13.
 Lemon reamer. V. V. Loomis. 1,674,475; June 19.
 Length gauge, Journal-. W. N. Messimer. 1,694,333; Dec. 4.
 Lens. F. G. Babcock. 1,692,973; Nov. 27.
 Lens. P. P. Horni. 1,692,303; Nov. 20.
 Lens apparatus. Pendulum. S. A. Eskilson and H. Abramson. 1,689,624; Oct. 30.
 Lens attachment for photographic apparatus. O. Wittel. 1,688,370; Oct. 23.
 Lens-attachment mount for photographic apparatus. D. H. Stewart. 1,688,441; Oct. 23.
 Lens, Bifocal. E. D. Tillyer. 1,659,966; Feb. 21.
 Lens blank and making same. W. C. Schlitzer. 1,671,548; May 29.
 Lens-blank-holding means. W. Bausch and J. R. Powell. 1,686,364; Oct. 2.
 Lens closer. M. J. Weber. 1,669,685; May 15.
 Lens cutter. A. E. Maynard. 1,683,295; Sept. 4.
 Lens-cutting machine. E. M. Long. 1,676,566; July 10.
 Lens disk, Spiral-mounted. C. F. Jenkins. 1,679,086; July 31.
 Lens-edging machine. E. M. Long. 1,657,720; Jan. 31.
 Lens for automobile headlights. B. A. Broughton. 1,689,911; Oct. 30.
 Lens for automobile headlights, Antiglare. R. A. Osburn. 1,667,489; Apr. 24.
 Lens for headlights. H. C. Foster. 1,686,908; Oct. 9.
 Lens for illuminated signs. P. H. Schnormeier. 1,669,724; May 15.
 Lens for vehicle lamps. W. D'A. Ryan. Des. 76,636; Oct. 16.
 Lens for vehicle lamps. W. D. Ryan. 1,688,557; Oct. 23.
 Lens, Fresnel-type. S. B. Dressler. 1,682,490; Aug. 28.
 Lens gauge. N. M. Baker. 1,659,969; Feb. 21.
 Lens grinding and surfacing machine, Optical. H. A. George. 1,671,027; May 22.
 Lens-grinding machine. A. E. Maynard. 1,662,157; Mar. 13.
 Lens, Headlight. F. W. Buttschau. 1,658,668; Feb. 7.
 Lens, Modified multifocal. J. P. Koch. 1,661,760; Mar. 6.
 Lens mount. A. Wollensak. 1,687,318; Oct. 16.
 Lens mounting. J. Engel. 1,683,402; Mar. 20.
 Lens, Ophthalmic. E. E. Glancy. 1,659,197; Feb. 14.
 Lens polisher. H. W. Hill. 1,666,701; Apr. 17.
 Lens retainer. E. D. Springer. 1,685,575; Sept. 25.
 Lens stop or diaphragm. E. Stewart and J. G. Warren. 1,664,137; Mar. 27.
 Lens-surfacing machine. A. E. Maynard. 1,659,277; Feb. 14.
 Lens system, Light-converging-. C. F. Jenkins. 1,695,980; Dec. 18.
 Lens-testing machine. W. A. Gunning. 1,664,923; Apr. 3.
 Lens, Trifocal optical. P. Eckley. 1,654,641; Jan. 3.
 Lenses, Making and marking toric and like. L. W. Busbee. 1,677,382; July 17.
 Let-off mechanism. J. Northrop. 1,690,424; Nov. 6.
 Letter device, Changeable. J. K. K. Andersen. 1,677,319; July 17.
 Letter opener. M. Vidaver. 1,689,703; Oct. 30.
 Lettering device. A. Conti. 1,672,751; June 5.
 Lettering on stone monuments and other hard substances. J. H. Beebe, jr. 1,684,431; Sept. 18.
 Leuco quinzarine, Preparing. I. Gubelmann and H. R. Lee. 1,655,462; Jan. 10.
 Level. G. A. Bartow. 1,691,632; Nov. 13.
 Level. R. C. Charlton. 1,690,053; Oct. 30.
 Level. H. W. Shaw. 1,659,446; Feb. 14.
 Level and angling device, Hand. W. Thorburn. 1,696,508; Dec. 25.
 Level and plumb device, Adjustable. W. Patton. 1,657,546; Jan. 31.
 Level and transit, Convertible. J. Geier. 1,663,546; Mar. 27.
 Level, Carpenter's. W. L. Myers. 1,683,256; Sept. 4.
 Level, Convertible utility. C. O. Rothweiler. 1,655,627; Jan. 10.
 Level gauge, Electrolyte-. T. McCartie. 1,694,687; Dec. 11.
 Level indicator, Liquid-. L. J. Van Duzer. 1,679,451; Aug. 7.
 Level indicator, Stock-. P. D. Wright. 1,662,484; Mar. 13.
 Level, Liquid. F. L. Hunt and K. H. Beij. 1,674,550; June 19.
 Level, Mechanic's. H. M. Wescott. 1,683,509; Sept. 4.
 Level, Sectional. Z. Hildebrandt. 1,655,766; Jan. 10.
 Level sight. E. P. King. 1,658,528; Feb. 7.
 Level signal. Low-. E. B. Sisson. 1,679,060; July 31.
 Level tube, Spirit-. W. A. Belfield. 1,669,035; May 8.
 Leveler, Cake-plate. J. R. McGranighan. 1,696,098; Dec. 18.
 Leveler, Concrete-floor screed. A. Duffield and G. P. Morris. 1,686,902; Oct. 9.
 Leveler, Land. E. Overman. 1,691,854; Nov. 13.
 Leveling device. C. J. Borda. 1,661,993; Mar. 6.
 Leveling device, Wing-. L. C. Milburn. 1,669,380; May 8.
 Leveling machine. E. E. Winkley and H. A. Davenport. 1,667,761; May 1.
 Leveling machine, Vehicle. W. M. Taylor. 1,686,941; Oct. 9.
 Leveling mechanism for looms, Harness-. E. R. Holmes. 1,692,990; Nov. 27.
 Levels and squares, Joint for combination. E. C. Baldon. 1,670,432; May 22.
 Levels, Attachment for Abney. E. C. Buck. 1,675,158; June 26.
 Lever. V. Bendix. 1,683,378; Sept. 4.
 Lever and quadrant mechanism. J. E. Boda. 1,659,235; Feb. 14.
 Lever arch. H. F. Frease. 1,686,910; Oct. 9.
 Lever attachment for remote clutch controls. D. H. Gilson. 1,680,780; Aug. 14.
 Lever, Automatic lock hand. A. La Rochelle. 1,662,751; Mar. 13.
 Lever, Dobby. J. Northrop. 1,662,202; Mar. 13.
 Lever, Flush-tank-operating. E. L. Delany. 1,685,152-3; Sept. 25.
 Lever for cars, Lifting. B. F. Teetor. 1,674,671; June 26.
 Lever for machine tools, Controlling. E. P. Burrell and G. W. Drake. 1,685,310; Sept. 25.
 Lever mounting. V. Bendix. 1,663,290; Mar. 20.
 Lever-tripping device for bottle-capping machines. R. E. Hill. 1,690,070; Oct. 30.
 Lever twenty-four-speed mechanism, Multiple-. D. C. Klausmeyer. 1,686,240; Oct. 2.
 Leverage fulcrum, Automatically-shifting. R. Redifer. 1,672,624; June 5.
 Leverage vise. H. Young. 1,665,247; Apr. 10.
 Levulose from purified dahlia juice, Preparation of. W. C. Arsem. 1,663,233; Mar. 20.
 Levulose from soluble nonsugar carbohydrates of the dahlia. W. C. Arsem. 1,663,234; Mar. 20.
 License clamp, Motor-vehicle. L. B. Harmon. 1,668,962; May 8.
 License-number plate. W. H. Fluker. 1,655,363; Jan. 3.
 License plate and displaying the same. L. L. Barr. 1,677,613; July 17.
 License plate and tail light, Combination. T. Martin. 1,667,126; Apr. 24.
 License plate, Folding. H. Jaschun. 1,689,140; Oct. 23.
 License-plate frame. F. L. Overton. 1,660,575; Feb. 28.
 License-plate holder. F. E. Brown. Des. 74,474; Feb. 21.
 License-plate holder. E. L. Etheridge. 1,664,025; Mar. 27.
 License-plate holder. M. E. Frasier. 1,655,993; Jan. 10.
 License-plate holder. F. Leopold. S. E. Claney, and L. K. Garis. 1,664,302; Mar. 27.
 License-plate holder. A. H. Miller. 1,672,333; June 5.
 License-plate holder, Illuminated. J. Vellanti. 1,670,085; May 15.
 License plate, Illuminated automobile. B. E. Hill. 1,656,635; Jan. 17.
 License-plate light, Front-. C. Gittery, jr. 1,661,798; Mar. 6.
 License tag and holder for same, Illuminated vehicle. P. A. Krause. 1,681,349; Aug. 21.
 License-tag holder for motor vehicles. E. E. Lynch and M. E. Mitchell. 1,674,406; June 19.
 Lid and manufacturing the same, Ice-cream-cabinet. H. D. Geyer. 1,683,345; Sept. 4.
 Lid closer, Journal-box-. W. J. McDonald. 1,659,040; Feb. 14.
 Lid, Display. E. Brunhoff. 1,686,955; Oct. 9.
 Lid for containers, Clamping. D. W. Curtis. 1,696,388; Dec. 25.
 Lid, Fruit-basket. G. O. Reshaw. 1,691,409; Nov. 13.
 Lid holder for containers. G. Trulock. 1,685,560; Sept. 25.
 Lid, Jar. F. O'Neill. 1,691,403; Nov. 13.
 Lid, Journal-box. D. S. Barrows. 1,677,321; July 17.
 Lid, Journal-box. L. W. Hostettler. 1,684,541-2; Sept. 18.
 Lid, Journal-box. R. J. Scheib, jr. 1,685,097; Sept. 25.
 Lid support. A. E. Lane. 1,688,464; Oct. 23.
 Lifeboat. L. Hill. 1,661,801; Mar. 6.
 Lifeboat. D. S. Neill. 1,685,719; Sept. 25.
 Lifeboat. Submarine. A. M. Bogdanovich. 1,655,645; Jan. 10.
 Lifeboat-releasing device. G. W. P. Overman. 1,664,222; Mar. 27.
 Life guard or obstruction remover for motor, road, and other vehicles. V. J. P. Clifford. 1,692,369; Nov. 20.
 Life preserver. C. W. Breninger. 1,667,414; Apr. 24.
 Life preserver. J. R. Foley. 1,663,268; Mar. 20.

- Life preserver. H. C. Gibson. 1,670,887; May 22.
 Life-preserving device. V. Merifield. 1,670,591; May 22.
 Life-saving and salvaging apparatus for use with marine vessels. B. A. Mathews. 1,663,412; Mar. 20.
 Life-saving apparatus. J. Picco. 1,683,409; Sept. 4.
 Life-saving device. J. Musial. 1,655,969; Jan. 10.
 Life-saving device for submarines. F. Le Guen. 1,668,412; May 1.
 Lift for elevator shafts, Gate. J. Stormo. 1,674,930; June 26.
 Lifter: See—
 Automobile lifter. Pan lifter.
 Box lifter. Plate lifter.
 Cylinder-head lifter. Rail lifter.
 Face lifter. Tack lifter.
 Flash light. Vacuum lifter.
 Gun-breast lifter. Valve lifter.
 Landing light.
 Lifter design machine. P. J. Tracy. 1,668,616; May 8.
 Lifting and carrying device. A. Meyer. 1,689,044; Oct. 23.
 Lifting and equalizing mechanism for road graders, Bottom. F. E. Arndt. 1,679,394; Aug. 7.
 Lifting and tapping butts, Apparatus for. A. E. Adolfs-son. 1,690,519; Nov. 6.
 Lifting and transporting device, Load. H. A. Huntoon. 1,667,382; Apr. 24.
 Lifting apparatus. F. B. Johnston. 1,682,083; Aug. 28.
 Lifting arrangement, Load-. C. D. Bonsall. 1,692,197; Nov. 20.
 Lifting attachment for tractors, Stalk-. R. W. Olson. 1,689,046; Oct. 23.
 Lifting bar, Railway-rail-. D. Rich. 1,663,061; Mar. 20.
 Lifting comb frames used in bee hives, Device for. H. A. Zeitler. 1,669,641; May 15.
 Lifting device. M. Falco. 1,693,074; Nov. 27.
 Lifting device, Automatic stack-. H. A. Fink. 1,695,233; Dec. 11.
 Lifting device for vehicle wheels. J. H. Brookman. 1,689,772-4; Oct. 30.
 Lifting jack. J. C. Dawley. 1,681,283; Aug. 21.
 Lifting jack. J. C. Dawley, C. D. Derby, and A. G. Killan. 1,691,382; Nov. 13.
 Lifting jack. I. E. Dearsley. Re17,050; July 24.
 Lifting jack. C. D. Ellwood. 1,688,862; Oct. 23.
 Lifting jack. A. R. Esmond. 1,679,210; July 31.
 Lifting jack. F. L. Gormley. 1,680,514; Aug. 14.
 Lifting jack. R. I. Harris. 1,662,921; Mar. 20.
 Lifting jack. J. W. Hobbs. 1,692,169; Nov. 20.
 Lifting jack. A. C. Hopkins. 1,665,363; Apr. 10.
 Lifting jack. A. C. Hopkins. 1,672,260; June 5.
 Lifting jack. A. C. Hopkins. 1,674,396-7; June 19.
 Lifting jack. A. C. Hopkins. 1,678,469; July 24.
 Lifting jack. A. C. Hopkins. 1,684,180-1; Sept. 11.
 Lifting jack. A. H. Johnson. 1,666,741-2; Apr. 17.
 Lifting jack. A. R. Marty. 1,680,228; Aug. 7.
 Lifting jack. R. C. McColley. 1,656,382; Jan. 17.
 Lifting jack. J. A. Morrison. 1,692,345; Nov. 20.
 Lifting jack. T. C. Pomeroy. 1,661,705; Mar. 6.
 Lifting jack. T. C. Pomeroy. 1,678,531; July 24.
 Lifting jack. T. C. Pomeroy and C. E. Johnson. 1,672,281; June 5.
 Lifting jack. C. J. Rodman and C. J. Bates. 1,659,785; Feb. 21.
 Lifting jack. H. P. Salsbury. 1,696,101; Dec. 18.
 Lifting jack. B. W. Twyman. 1,664,579; Apr. 3.
 Lifting jack. S. J. Vesely. 1,670,328; May 22.
 Lifting jack. W. H. Walker, J. J. Mizer, and I. E. Dears-ley. 1,677,466; July 17.
 Lifting jack. T. H. Wittliff. 1,658,586; Feb. 7.
 Lifting jack, Vehicle. C. O. Ryberg. 1,688,155; Oct. 16.
 Lifting mechanism, Drop-box-. C. W. Crane. 1,663,904; Mar. 27.
 Lifting mechanism, Friction screw-. S. Strunge. 1,693,624; Dec. 4.
 Lifting the wheels of vehicles, Arrangement for. F. Boyer and R. Weler. 1,668,625; May 8.
 Light: See—
 Advertising light. Manicuring light.
 Aeroplane guiding light. Motometer light.
 Auto repair light. Night light.
 Cab light. Ornamental light.
 Combination light. Pilot light.
 Dash light. Porch light.
 Dirigible light. Road light.
 Dirigibly-mounted light. Side light.
 Electric light. Signal light.
 Electric flash light. Spot and turn light.
 Flash light. Spotlight.
 Float light. Traffic light.
 Flood light. Trouble light.
 Flying-machine landing light. Turn light.
 Garage light. Vehicle light.
 License-plate light. Visor light.
 Light. H. C. Burdt. 1,675,877; July 3.
 Light and danger signal, Tail. S. D. Paddock and C. G. Wilford. 1,693,936; Dec. 4.
 Light, Apparatus for projecting. H. A. McGunnigle. 1,695,556; Dec. 18.
 Light-bulb cap, Electric-. F. W. Pund. 1,675,380; July 3.
 Light-bulb clip, Electric. H. W. Falstrom. 1,691,799; Nov. 13.
 Light-bulb guard member. J. B. Rockhill. Des. 75,985; Aug. 7.
 Light clamp, Extension. S. L. Gerard. 1,669,747; May 15.
 Light-concentrating device. C. F. Jenkins. 1,663,308; Mar. 20.
 Light-control appliance. A. A. Savasky. 1,685,438; Sept. 25.
 Light control, Traffic-. O. R. Lehman. 1,689,075; Oct. 23.
 Light deflector. C. A. Porter. 1,659,409; Feb. 14.
 Light-diffusing fixture. E. B. Gillinder. Des. 75,683; July 3.
 Light-diffusing means. B. C. Bridgham. 1,659,764; Feb. 21.
 Light-dimmer switch. A. J. Giebel. 1,656,627; Jan. 17.
 Light-dimmer switch. F. Naugle. 1,673,581; June 12.
 Light-dimming switch. R. K. Winning. 1,673,686; July 31.
 Light-distributing device. E. Benson and F. M. Durkee. 1,687,119; Oct. 9.
 Light extension. A. Richards. 1,659,160; Feb. 14.
 Light fixture. H. M. Firth. Des. 77,314; Dec. 25.
 Light fixture and speaker, Combination. F. A. Standi-ford. Des. 76,716; Oct. 23.
 Light fixture, Electric-. W. P. Crockett. 1,695,413; Dec. 18.
 Light fixture, Electric-. W. Klehr. Des. 76,140; Aug. 21.
 Light fixture, Electric-. G. Ludwig. Des. 74,686; Mar. 13.
 Light fixture for bedsteads and other articles. L. Roth. 1,667,741; May 1.
 Light fixture, Street-. F. B. Reberg. 1,662,334; Mar. 13.
 Light for aircraft, Retractable. C. N. Monteith. 1,694,889; Dec. 11.
 Light for an automobile, Dome. W. Schnell. Des. 76,959; Nov. 20.
 Light for automobiles, Reversible. H. Lenfers. 1,683,141; Sept. 4.
 Light for automobiles, Tail. W. F. Little. 1,694,660; Dec. 11.
 Light for motor cars, Combined signal and parking. S. R. Leeson. 1,686,330; Oct. 2.
 Light for motor vehicles and the like, Dirigible. L. M. Walden. 1,688,214; Oct. 16.
 Light for shaving and the like. O. Wiederhold. 1,680,076; Aug. 7.
 Lighthouse. W. E. Rockhill. Des. 75,288; May 22.
 Light impulses into enlarged graphic representations, Method of and apparatus for converting. C. F. Jenkins. 1,683,137; Sept. 4.
 Light impulses into graphic representations, Method of and apparatus for converting. C. F. Jenkins. 1,683,136; Sept. 4.
 Light indicator, Automatic automobile. C. I. Randle and F. S. Anderson. 1,665,640; Apr. 10.
 Light lock for photographic-film strips. G. Lowkrantz. 1,690,739; Nov. 6.
 Light, Means for controlling. M. H. Greenewalt. 1,654,873; Jan. 3.
 Light-projecting device. F. W. Dressel. 1,682,608; Aug. 28.
 Light-projecting device. A. D. Hobbie. 1,682,567; Aug. 28.
 Light-projecting device. E. P. McClure. 1,685,609; Sept. 25.
 Light projector. C. L. Dewey. 1,669,740; May 15.
 Light projector. C. A. B. Halvorson, jr. 1,657,256; Jan. 24.
 Light projector. H. F. King. 1,680,685; Aug. 14.
 Light or globe attaching apparatus. J. B. Epstein and W. Shenkm. 1,692,029; Nov. 20.
 Light-reflecting device or unit. R. Murray. Re16,863; Jan. 31.
 Light reflective transmissive element, Adjustable. B. C. Bridgham. 1,656,998; Jan. 24.
 Light screen. C. W. Price. Des. 74,389; Feb. 7.
 Light screen and ventilator. L. Simon. 1,665,679; Apr. 10.
 Light signal. P. E. Carter. 1,667,469; Apr. 24.
 Light signal. C. S. Snaveley. 1,657,232; Jan. 24.
 Light signal. C. S. Snaveley. 1,662,987; Mar. 20.
 Light signal. C. S. Snaveley. 1,681,792; Aug. 21.
 Light signal. W. B. Wells. 1,667,757; May 1.
 Light signal. W. B. Wells. 1,689,655; Oct. 30.
 Light-source support. A. H. Handlan. 1,667,380; Apr. 24.
 Light structures, Hollow girder for. K. Arnstein. 1,656,810; Jan. 17.
 Light support. J. N. Gossett. 1,662,668; Mar. 13.
 Light support. E. H. Griffith. 1,671,280; May 29.
 Light support for reflectors, Adjustable. L. Blackmore. 1,658,550-1; Feb. 7.
 Light support, Rear-curtain-. A. A. Cripps. 1,686,126; Oct. 2.
 Light-supporting structure, Signal-. D. J. McCarthy. 1,666,102; Apr. 17.
 Light switch guard, Flash-. C. E. Duisenberg. 1,688,006; Oct. 16.
 Light-therapy appliance. W. Hudson. 1,660,794; Feb. 28.
 Light transmitter, Slotting and slitted. J. Kaufmann. 1,683,620; Sept. 11.
 Light transmitting and reflecting device. D. E. Sharp. 1,675,431; July 3.
 Light-treatment process. G. Sperti. R. J. Norris, R. B. Withrow, and H. Schneider. 1,676,579; July 10.
 Lighter. L. V. Aronson. Des. 74,248; Jan. 17.
 Lighter. C. R. Boone. 1,674,496; June 19.

- Lighter. J. T. Burns. 1,682,661; Aug. 28.
 Lighter. L. de Goll. 1,682,892; Sept. 4.
 Lighter. L. Potter. Des. 76,322; Sept. 11.
 Lighter. R. Strauss. 1,660,401; Feb. 28.
 Lighter. W. Wallenthin. Des. 77,275; Dec. 18.
 Lighter. C. A. Ward. 1,672,919; June 12.
 Lighter and advertising cabinet, Cigar. C. J. and J. A. Underwood. 1,663,030; Mar. 20.
 Lighter and cigarette container, Combined cigarette. A. F. Reilly. Des. 74,989; Apr. 24.
 Lighter and making the same, Portable. I. Florman. 1,657,352; Jan. 24.
 Lighter, Automatic torch. F. J. Heybach. 1,685,633; Sept. 25.
 Lighter, Body for a portable cigarette and cigar. I. Florman. Des. 76,674; Oct. 23.
 Lighter, Cigar. L. V. Aronson. 1,673,727; June 12.
 Lighter, Cigar. C. Baia. 1,669,849; May 15.
 Lighter, Cigar. F. Bain. 1,657,189; Jan. 24.
 Lighter, Cigar. W. J. Butler. 1,666,809; Apr. 17.
 Lighter, Cigar. E. F. Clark. Des. 75,548; June 19.
 Lighter, Cigar. L. P. Dittmore. 1,664,597; Apr. 3.
 Lighter, Cigar. H. Esterow. Des. 75,904; July 31.
 Lighter, Cigar. I. I. Hance. 1,657,358; Jan. 24.
 Lighter, Cigar. A. H. Metcalf. 1,657,435; Jan. 24.
 Lighter, Cigar. G. M. Norton. Des. 74,757; Mar. 20.
 Lighter, Cigar. B. H. Skelly. Des. 75,662; June 26.
 Lighter, Cigar. E. Tennhardt. Des. 76,362-3; Sept. 18.
 Lighter, Cigar and cigarette. H. R. Milan. 1,683,688; Sept. 11.
 Lighter, Cigar and cigarette. J. C. Stearns. 74,810; Mar. 27.
 Lighter, Cigarette. M. J. Harkless. 1,664,857; Apr. 3.
 Lighter, Electric. T. C. Russell. 1,657,904; Jan. 31.
 Lighter, Electric cigar. J. R. Ayotte. 1,663,675; Mar. 27.
 Lighter, Electric cigar. C. H. Cuno. 1,675,293; June 26.
 Lighter, Electric cigar. W. C. Grunow, and O. E. Grigsby. 1,689,720; Oct. 30.
 Lighter, Electric cigar. G. Parker. 1,665,792; Apr. 10.
 Lighter, Electric cigar and pipe. C. D. Anderson. 1,659,421; Feb. 14.
 Lighter, Electrical cigar. M. H. Shoenberg and L. Schon. 1,683,993; Sept. 11.
 Lighter, Flint. F. C. Wise and W. Greenwood. Re16,930; Apr. 10.
 Lighter for burners of ranges. F. L. Fuldauer. 1,663,371; Mar. 20.
 Lighter for cigars, cigarettes, etc., Electric. S. L. Wolfson. 1,666,546; Apr. 17.
 Lighter for gas stoves, Oven. C. E. Methudy. 1,675,900; July 3.
 Lighter for gas water heaters, Automatic. H. A. L. Fowler. 1,665,088; Apr. 3.
 Lighter for smokers' use, Electric. A. G. Smith. Des. 74,455; Feb. 14.
 Lighter for stoves, Automatic. G. M. Todd. 1,665,333; Apr. 10.
 Lighter, Fuel. F. J. Diederichs. 1,674,163; June 19.
 Lighter or similar article, Cigar. A. Simon and L. Yentis. Des. 76,265; Sept. 4.
 Lighter, Pocket. R. S. Knapp. Des. 75,629; June 26.
 Lighter, Pocket. H. Maltner. 1,669,303; May 8.
 Lighter, Pocket. L. A. Nevire. 1,675,861; July 3.
 Lighter, Pocket. W. Raeburn. Des. 74,988; Apr. 24.
 Lighter, Pocket. E. I. Rogers, jr. Des. 75,135; May 8.
 Lighter, Pocket. E. A. Shuelke. Des. 74,241; Jan. 10.
 Lighter, Portable. W. H. Blake. 1,667,835; May 1.
 Lighter, Portable sparking. G. Bettini. 1,674,314; June 19.
 Lighter, Table. L. W. Rice. Des. 75,188; May 15.
 Lighter, Table. L. W. Rice. Des. 75,287; May 22.
 Lighter-than-air craft. B. N. Wallis. 1,658,821; Feb. 14.
 Lighter, Vapor cigar. E. F. Clark. 1,688,485; Oct. 23.
 Lighter with exchangeable incandescent body, Electric cigar and pipe. H. Agatz. 1,691,836; Nov. 13.
 Lighters, Body for cigar and cigarette. R. S. Knapp. Des. 77,009; Nov. 27.
 Lighters, Casing for pocket. A. F. Reilly. Des. 75,134; May 8.
 Lighting and battery-charging system. J. T. Fitzsimmons. 1,664,358; Mar. 27.
 Lighting and battery-charging systems, Reverse-current cut-out for vehicle. B. M. Leece. 1,692,216; Nov. 20.
 Lighting and ignition switch. E. A. Bohlman. 1,684,940; Sept. 18.
 Lighting and ignition system. J. H. Hunt. 1,693,985; Dec. 4.
 Lighting and ignition switch. E. N. Jacobi. 1,664,110; Mar. 27.
 Lighting and ignition switch. W. P. Loudon. 1,657,129; Jan. 24.
 Lighting and ignition switch, Key-controlled. S. F. Briggs. 1,667,716; May 1.
 Lighting and ignition system for automotive vehicles, Combined. W. Schmid. 1,691,860; Nov. 13.
 Lighting and signaling mechanism for automotive vehicles, Combined. G. L. Cragg. 1,636,600; Oct. 9.
 Lighting apparatus for gas burners. F. D. Vartanian. 1,666,610; Apr. 17.
 Lighting attachment for bicycles and other vehicles, Reversible. H. Lenfers. 1,660,131; Feb. 21.
 Lighting bracket. J. Dym. Des. 76,740-1; Oct. 30.
 Lighting device. M. F. Deming. 1,673,318; June 12.
 Lighting bracket. A. De Vries. Des. 74,783; Mar. 27.
 Lighting device, Tractor. W. H. White. 1,665,122; Apr. 3.
 Lighting device, Bank-screen-. P. M. Hotchkiss. 1,691,883; Nov. 13.
 Lighting device, Bank-screen-. P. M. Hotchkiss. 1,695,283; Dec. 18.
 Lighting device for vehicles. F. N. Draper. 1,684,695; Sept. 18.
 Lighting device for vehicles, Safety. H. W. Trompanhauser. 1,691,684; Nov. 13.
 Lighting effects, Apparatus for obtaining kaleidoscopic. A. Dunhill. 1,685,912; Oct. 2.
 Lighting fitting. E. L. Randall. 1,691,938; Nov. 20.
 Lighting fixture. H. Aglow. 1,672,637; June 5.
 Lighting fixture. A. B. Allworth. 1,680,078; Aug. 7.
 Lighting fixture. R. S. Bardwell. Des. 74,472; Feb. 21.
 Lighting fixture. M. Block. Des. 74,715-16; Mar. 20.
 Lighting fixture. F. S. Crowell. 1,661,999; Mar. 6.
 Lighting fixture. E. J. Dailey, jr. 1,681,151; Aug. 14.
 Lighting fixture. L. C. Doane. 1,680,093-4; Aug. 7.
 Lighting fixture. F. A. Frerichs. Des. 75,420; June 5.
 Lighting fixture. F. W. L. Fullerton. 1,689,019; Oct. 23.
 Lighting fixture. H. J. Gruber. Des. 76,613; Oct. 16.
 Lighting fixture. E. F. Guth. Des. 74,790; Mar. 27.
 Lighting fixture. E. F. Guth. Des. 75,236; May 22.
 Lighting fixture. E. F. Guth. 1,663,653-4; Mar. 27.
 Lighting fixture. E. F. Guth. 1,663,657; Mar. 27.
 Lighting fixture. E. F. Guth. 1,680,677; Aug. 14.
 Lighting fixture. J. L. Jaffe and R. J. Monroe. Des. 77,096; Dec. 4.
 Lighting fixture. J. L. Jaffe and F. Wening. 1,688,120; Oct. 16.
 Lighting fixture. V. G. Kay. 1,655,102; Jan. 3.
 Lighting fixture. P. Kestell. 1,668,772; May 8.
 Lighting fixture. J. G. Lengel. 1,669,478; May 15.
 Lighting fixture. J. C. Lowry. Des. 74,440; Feb. 14.
 Lighting fixture. M. Luckiesh. 1,680,225; Aug. 7.
 Lighting fixture. G. Matthysen. 1,658,206; Feb. 7.
 Lighting fixture. A. J. D. Ohm. Des. 74,572; Feb. 28.
 Lighting fixture. A. J. D. Ohm. Des. 75,865-6; May 12.
 Lighting fixture. A. J. D. Ohm. Des. 76,493; Oct. 2.
 Lighting fixture. H. Plant. 1,686,571; Oct. 9.
 Lighting fixture. J. Q. Roscoe. 1,673,997; June 19.
 Lighting fixture. I. Rosenblatt. Des. 75,045; May 1.
 Lighting fixture. I. Rosenblatt. Des. 75,049; May 1.
 Lighting fixture. I. Rosenblatt. Des. 75,053; May 1.
 Lighting fixture. I. Rosenblatt. Des. 75,061-4; May 1.
 Lighting fixture. H. Schreiman and L. Goldberg. Des. 75,190; May 15.
 Lighting fixture. H. Schreiman and L. Goldberg. Des. 76,058; Aug. 14.
 Lighting fixture. R. W. Schweiker. Des. 76,262; Sept. 4.
 Lighting fixture. E. O. Schweitzer. 1,684,416; Sept. 18.
 Lighting fixture. T. Shapiro. Des. 74,326-7; Jan. 24.
 Lighting fixture. T. Shapiro. Des. 74,329; Jan. 24.
 Lighting fixture. G. Stefan. 1,663,357; Mar. 20.
 Lighting fixture. N. F. Stevens. 1,662,136; Mar. 13.
 Lighting fixture. W. Symmes, G. H. Harman, and C. F. Duval. 1,668,789; May 8.
 Lighting fixture. J. von Alt. Des. 75,139; May 8.
 Lighting fixture. W. von Nessen. Des. 74,527; Feb. 21.
 Lighting fixture. G. R. Winkel. Des. 75,993; Aug. 7.
 Lighting fixture. H. H. Wolter. Des. 76,172-3; Aug. 21.
 Lighting fixture. J. Zweig. Des. 75,032; May 1.
 Lighting fixture. J. Zweig. Des. 75,817; July 17.
 Lighting fixture. J. Zweig. Des. 75,995; Aug. 7.
 Lighting fixture and mail box, Combined. H. A. Buccini. Des. 74,412; Feb. 14.
 Lighting fixture and mail box, Combined. H. A. Buccini. 1,659,351; Feb. 14.
 Lighting fixture and support for loud-speaker units, Combination. B. F. Klein. Des. 77,241; Dec. 18.
 Lighting fixture and the like. D. Holt. 1,689,488; Oct. 30.
 Lighting fixture and the like. D. Holt. 1,693,443; Nov. 27.
 Lighting fixture and the like. D. Holt. 1,693,925; Dec. 4.
 Lighting-fixture arm. I. Rosenblatt. Des. 75,050; May 1.
 Lighting-fixture arm. I. Rosenblatt. Des. 75,054; May 1.
 Lighting-fixture arm, Electric. H. A. Buccini. Des. 74,545-6; Feb. 28.
 Lighting-fixture arm or analogous article. N. Lipsky. Des. 74,379; Feb. 7.
 Lighting-fixture arm or article of analogous nature. J. Di Quadio. Des. 76,125; Aug. 21.
 Lighting-fixture arm or article of similar nature. H. Aglow. Des. 74,643; Mar. 13.
 Lighting-fixture arm or the like. G. E. McFadden. Des. 77,169-70; Dec. 11.
 Lighting-fixture backplate or analogous article. H. Aglow. Des. 74,645; Mar. 13.
 Lighting-fixture backplate or analogous article. J. Grossman. Des. 77,000; Nov. 27.
 Lighting-fixture backplate or analogous article. J. Kneier. Des. 75,125; May 8.
 Lighting-fixture backplate or analogous article. I. Rosenblatt. Des. 74,191; Jan. 3.
 Lighting-fixture backplate or analogous article. G. E. Villaret. Des. 75,138; May 8.
 Lighting-fixture backplate or article of analogous nature. A. P. Seidell. Des. 74,949-53; Apr. 17.
 Lighting-fixture backplate or article of similar nature. J. F. Livers. Des. 74,684; Mar. 13.

- Lighting-fixture band or similar article. G. E. McFadden. Des. 77,168; Dec. 11.
- Lighting-fixture band or the like. G. E. McFadden. Des. 77,172; Dec. 11.
- Lighting-fixture banding, Italian-effect. H. R. Holdeman. Des. 75,030; May 1.
- Lighting-fixture banding or article of similar nature. J. F. Livers. Des. 74,681; Mar. 13.
- Lighting-fixture bar or article of analogous nature. A. R. Krause. Des. 76,402; Sept. 25.
- Lighting-fixture body. I. Rosenblatt. Des. 75,065; May 1.
- Lighting-fixture body. I. Rosenblatt. Des. 75,072; May 1.
- Lighting-fixture body or analogous article. N. Lipsky. Des. 74,268; Jan. 17.
- Lighting-fixture body or article of similar nature. H. Aglow. Des. 74,815; Apr. 3.
- Lighting-fixture bowl or similar article. N. Kopp. Des. 75,630-1; June 26.
- Lighting-fixture brace or article of analogous structure. J. Di Gaudio. Des. 76,126; Aug. 21.
- Lighting-fixture brace or article of similar nature. H. Aglow. Des. 74,642; Mar. 13.
- Lighting-fixture brace or article of similar nature. H. Aglow. Des. 74,644; Mar. 13.
- Lighting-fixture bracket. O. S. Strom. Des. 76,165; Aug. 21.
- Lighting-fixture bracket arm. I. Rosenblatt. Des. 75,059; May 1.
- Lighting-fixture bracket arm. I. Rosenblatt. Des. 75,060; May 1.
- Lighting-fixture bracket or article of similar nature. H. Aglow. Des. 74,708; Mar. 20.
- Lighting-fixture bracket or article of similar nature. M. Brown. Des. 76,178; Aug. 28.
- Lighting-fixture bracket or article of similar nature. G. E. Villaret. Des. 74,402; Feb. 7.
- Lighting-fixture bracket or similar article. G. E. McFadden. Des. 77,171; Dec. 11.
- Lighting-fixture bracket, Wall. T. J. Petersen. Des. 76,042; Aug. 14.
- Lighting-fixture bracket, Wall. I. Rosenblatt. Des. 76,053; Aug. 14.
- Lighting-fixture canopy or analogous article. N. Lipsky. Des. 74,270; Jan. 17.
- Lighting-fixture canopy ring or the like. G. E. McFadden. Des. 77,167; Dec. 11.
- Lighting fixture, Ceiling. J. von Alt. Des. 75,140; May 8.
- Lighting fixture, Ceiling. W. von Nessen. Des. 75,141; May 8.
- Lighting fixture, Combined strap and shield for a. H. Binder. Des. 76,848; Nov. 13.
- Lighting fixture, Electric. G. Fread. 1,680,606; Aug. 14.
- Lighting fixture, Electric. S. N. Knorr. Des. 76,194; Aug. 28.
- Lighting fixture, Electric. J. C. Lowry. Des. 74,442; Feb. 14.
- Lighting fixture, Electric. E. C. White. 1,685,620; Sept. 25.
- Lighting fixture for surgical operating room. E. F. Guth. 1,663,655; Mar. 27.
- Lighting-fixture globe. H. R. Arthur. Des. 75,602; June 26.
- Lighting-fixture globe. J. S. Moore. Des. 75,508-9; June 12.
- Lighting-fixture globe. J. S. Moore. Des. 75,637; June 26.
- Lighting-fixture globe or similar article. R. V. Owen. Des. 76,258; Sept. 4.
- Lighting-fixture guard. R. Pfeiffer. Des. 75,869; July 24.
- Lighting fixture, Hanging. J. A. Boehringer. Des. 76,118; Aug. 21.
- Lighting-fixture husk. I. Rosenblatt. Des. 75,055; May 1.
- Lighting-fixture loop. T. J. Petersen. Des. 75,041; May 1.
- Lighting fixture or like article, Panel plate or grille for a. H. Schreilman and L. Goldberg. Des. 75,077; May 1.
- Lighting fixture or similar article. F. K. Maerz. Des. 75,575-81; June 19.
- Lighting fixture or similar article, Spindle for an electric. G. E. McFadden. Des. 74,444; Feb. 14.
- Lighting-fixture ornament, Italian-effect. H. R. Holdeman. Des. 74,508; Feb. 21.
- Lighting-fixture panel, Electric. H. A. Buccini. Des. 74,541; Feb. 28.
- Lighting-fixture panel, Electric. H. A. Buccini. Des. 74,543; Feb. 28.
- Lighting-fixture panel, Italian-effect. H. R. Holdeman. Des. 74,220; Jan. 10.
- Lighting-fixture panel, Italian-effect. H. R. Holdeman. Des. 74,222; Jan. 10.
- Lighting-fixture panel, Italian-effect. H. R. Holdeman. Des. 74,224; Jan. 10.
- Lighting-fixture panel, Pierced-effect. H. R. Holdeman. Des. 74,509; Feb. 21.
- Lighting-fixture part. N. Lipsky. Des. 74,313; Jan. 24.
- Lighting-fixture plate. I. Rosenblatt. Des. 75,052; May 1.
- Lighting-fixture plate. L. R. Wellman. Des. 76,649; Oct. 16.
- Lighting-fixture plate, Electric. H. A. Buccini. Des. 74,542; Feb. 28.
- Lighting-fixture plate, Electric. H. A. Buccini. Des. 74,544; Feb. 28.
- Lighting-fixture plate, Electric. H. A. Buccini. Des. 74,547-8; Feb. 28.
- Lighting-fixture plate, Italian-effect. H. R. Holdeman. Des. 75,424; June 5.
- Lighting-fixture plate or analogous article. N. Lipsky. Des. 76,974; Nov. 27.
- Lighting-fixture plate or analogous article. N. Lipsky. Des. 77,014; Nov. 27.
- Lighting-fixture plate or analogous article. J. Knieriem. Des. 74,377; Feb. 7.
- Lighting-fixture plate or article of analogous nature. A. P. Seidell. Des. 76,061; Aug. 14.
- Lighting-fixture plate, Pierced-effect. H. R. Holdeman. Des. 75,497; June 12.
- Lighting-fixture plate, Scroll-effect. H. R. Holdeman. Des. 74,223; Jan. 10.
- Lighting-fixture plate, Spanish-effect. H. R. Holdeman. Des. 74,226; Jan. 10.
- Lighting-fixture ring, Electric. H. A. Buccini. Des. 77,056; Dec. 4.
- Lighting-fixture ring or article of analogous nature. N. Lipsky. Des. 75,264; May 22.
- Lighting-fixture ring or article of similar nature. J. F. Livers. Des. 74,682; Mar. 13.
- Lighting-fixture ring, Spanish-effect. H. R. Holdeman. Des. 74,221; Jan. 10.
- Lighting-fixture ring, Spanish-effect. H. R. Holdeman. Des. 74,225; Jan. 10.
- Lighting fixture, Side-wall. R. W. Schweiker. Des. 74,577; Feb. 28.
- Lighting-fixture strap or analogous article. N. Lipsky. Des. 74,269; Jan. 17.
- Lighting-fixture strap or article of analogous nature. A. P. Seidell. Des. 76,060; Aug. 14.
- Lighting-fixture strap or article of analogous nature. G. E. Villaret. Des. 75,137; May 8.
- Lighting-fixture streamer or article of analogous nature. N. Lipsky. Des. 77,015; Nov. 27.
- Lighting-fixture streamer or article of analogous nature. N. Lipsky. Des. 75,265; May 22.
- Lighting fixture tassel. I. Rosenblatt. Des. 75,068; May 1.
- Lighting fixture, Wall. A. Krause. Des. 74,610-11; Mar. 6.
- Lighting fixture, Wall. A. Krause. Des. 74,750; Mar. 20.
- Lighting fixture, Wall-bracket. H. Abrams. Des. 74,853; Apr. 10.
- Lighting fixture, Wall-bracket. H. Abrams. Des. 74,855; Apr. 10.
- Lighting-fixture, Wall-bracket. H. Abrams. Des. 74,858; Apr. 10.
- Lighting-fixture wall bracket. M. C. Abuza. Des. 75,600; June 26.
- Lighting fixture, Wall-bracket. J. W. Gill. Des. 75,837; July 24.
- Lighting-fixture wall bracket. V. Hagopian. Des. 76,016; Aug. 14.
- Lighting-fixture wall bracket. I. Rosenblatt. Des. 75,056; May 1.
- Lighting-fixture wall bracket. I. Rosenblatt. Des. 75,058; May 1.
- Lighting-fixture wall bracket. I. Rosenblatt. Des. 75,067; May 1.
- Lighting-fixture wall bracket. I. Rosenblatt. Des. 75,070-1; May 1.
- Lighting-fixture wall bracket. T. Shapiro. Des. 74,898; Apr. 10.
- Lighting fixture, Wall-bracket. A. Tucker. Des. 75,881; July 24.
- Lighting-fixture wall bracket. W. Von Nessen. Des. 74,767; Mar. 20.
- Lighting-fixture wall bracket. W. Von Nessen. Des. 75,991; Aug. 7.
- Lighting-fixture wall-bracket back. I. Rosenblatt. Des. 75,073; May 1.
- Lighting-fixture wall bracket or analogous article. N. Lipsky. Des. 74,981; Apr. 24.
- Lighting-fixture wall bracket or article of analogous nature. J. Di Gaudio. Des. 75,958; Aug. 7.
- Lighting-fixture wall bracket or article of similar nature. N. Lipsky. Des. 75,266; May 22.
- Lighting-fixture wall bracket or article of similar nature. N. Lipsky. Des. 77,016; Nov. 27.
- Lighting-fixture wall bracket or the like. G. E. McFadden. Des. 77,173-6; Dec. 11.
- Lighting fixtures, Arm for. B. Newland. Des. 76,887; Nov. 13.
- Lighting fixtures, Arm unit for. F. A. Frerichs. Des. 75,417-18; June 5.
- Lighting fixtures, Backplate for. J. C. Lowry. Des. 74,441; Feb. 14.
- Lighting fixtures, Bracket for. A. G. Myers. Des. 74,984; Apr. 24.
- Lighting fixtures, Candle cup for. H. Abrams. Des. 74,854; Apr. 10.
- Lighting fixtures, Candle cup for. T. J. Petersen. Des. 75,040; May 1.
- Lighting fixtures, Candle plate for. I. Rosenblatt. Des. 75,051; May 1.
- Lighting fixtures, Canopy for. G. E. Villaret. Des. 74,460; Feb. 14.
- Lighting fixtures, Convenience outlet for. R. W. Schweiker. 1,681,437; Aug. 21.

- Lighting fixtures, Husk for. L. R. Wellman. Des. 77,208-9; Dec. 11.
- Lighting fixtures, Loop for. H. Abrams. Des. 74,857; Apr. 10.
- Lighting fixtures, Loop for. I. Rosenblatt. Des. 75,651; June 26.
- Lighting fixtures or analogous articles, Backplate for. J. Horowitz. Des. 74,510; Feb. 21.
- Lighting fixtures or analogous articles, Bracket plate for. J. Horowitz. Des. 74,885; Apr. 10.
- Lighting fixtures or articles of analogous nature, Body for. J. Knieriem. Des. 75,126; May 8.
- Lighting fixtures or articles of similar nature, Plate for. J. F. Livers. Des. 74,683; Mar. 13.
- Lighting fixtures or similar articles, Arm for. J. Knieriem. Des. 75,435; June 5.
- Lighting fixtures or similar articles, Body frame for. J. A. Boehringer. Des. 74,913; Apr. 17.
- Lighting fixtures or similar articles, Bracket arm for. H. Schreiber and L. Goldberg. Des. 75,076; May 1.
- Lighting fixtures or similar articles, Bracket for. F. E. Hadermann. Des. 75,840; July 24.
- Lighting fixtures or similar articles, Canopy for electric. J. A. Boehringer. Des. 74,914; Apr. 17.
- Lighting fixtures or similar articles, Combined strap and arm for. J. A. Boehringer. Des. 75,207; May 22.
- Lighting fixtures or similar articles, Combined strap and arm for. J. A. Boehringer. Des. 75,897; July 31.
- Lighting fixtures or similar articles, Italian-effect plate for. H. R. Holdeman. Des. 75,246; May 22.
- Lighting fixtures or similar articles, Panel for. J. Knieriem. Des. 75,434; June 5.
- Lighting fixtures or similar articles, Post for. J. Knieriem. Des. 75,436; June 5.
- Lighting fixtures or similar articles, Spindle for. H. R. Holdeman. Des. 74,607; Mar. 6.
- Lighting fixtures or similar articles, Strap for. J. A. Boehringer. Des. 75,609; June 26.
- Lighting fixtures or similar articles, Wall plate for. H. R. Holdeman. Des. 74,606; Mar. 6.
- Lighting fixtures, Plate for. H. Abrams. Des. 74,856; Apr. 10.
- Lighting fixtures, Plate for. T. J. Petersen. Des. 75,042; May 1.
- Lighting fixtures, Plate for. I. Rosenblatt. Des. 75,046; May 1.
- Lighting fixtures, Wall bracket for. O. B. Bach. Des. 75,404-5; June 5.
- Lighting fixtures, Wall plate for. H. R. Holdeman. Des. 74,976; Apr. 24.
- Lighting machine for cycles and motor cycles, Magneto-electric. L. Hemmeler. 1,688,810; Oct. 23.
- Lighting means for instrument assemblies. J. Zubaty. 1,668,521; May 1.
- Lighting means for instrument boards. A. Champion. 1,668,525; May 1.
- Lighting means for instrument panels. A. R. Lewellen. 1,668,515; May 1.
- Lighting means for instrument panels. J. Zubaty. 1,668,522; May 1.
- Lighting post. W. Underwood. Des. 77,194; Dec. 11.
- Lighting post, Street-. W. Underwood. 77,272; Dec. 18.
- Lighting posts, Head for. W. Underwood. Des. 77,195; Dec. 11.
- Lighting ring. A. Heldrich. 1,668,074; May 1.
- Lighting ships' lifeboats and the like. J. G. Blair. 1,676,977; July 10.
- Lighting, Stage. A. Newburger and E. Schultz. 1,660,349; Feb. 28.
- Lighting standard. A. De Vries. Des. 74,784-5; Mar. 27.
- Lighting standard. R. W. Erskine. Des. 74,730; Mar. 20.
- Lighting standard, Base for a. A. De Vries. Des. 75,225; May 22.
- Lighting-standard capital. R. Waggoner. Des. 75,395; May 29.
- Lighting standard. R. Waggoner. Des. 76,509; Oct. 2.
- Lighting standards, Head for. A. De Vries. Des. 74,866; Apr. 10.
- Lighting structure, Ornamental. J. S. Brennan. 1,662,359; Mar. 13.
- Lighting system, Electric-. R. H. Sullivan. 1,685,576; Sept. 25.
- Lighting system, Exit-. R. T. Williams. Re16,917; Mar. 27.
- Lighting system, Exit-. R. T. Williams. 1,677,696; July 17.
- Lighting system for automobiles. E. D. Huntington. 1,686,859; Oct. 9.
- Lighting system for automobiles. A. L. Young. 1,675,239; June 26.
- Lighting system for conveyances. D. E. Bonner. 1,657,816; Jan. 31.
- Lighting system for motor vehicles, Compensated. B. M. Leece. 1,671,246; May 29.
- Lighting system for toy observation cars. H. S. Becker. 1,674,238; June 19.
- Lighting systems, Automatic regulation in electric-. F. C. Lyne and J. Etchells. 1,664,519; Apr. 3.
- Lighting systems for motor vehicles, Indirect. L. F. Kornis. 1,664,748; Apr. 3.
- Lighting unit. R. W. Erskine. Des. 74,729; Mar. 20.
- Lighting unit and reflector therefor. C. A. B. Halvorson, Jr. 1,658,716; Feb. 7.
- Lighting wall fixture, Electric-. H. A. Bucchni. Des. 74,549-50; Feb. 28.
- Lightning arrester. A. L. Atherton. 1,657,452; Jan. 31.
- Lightning arrester. E. W. Breisch and F. B. Falknor. 1,682,476; Aug. 28.
- Lightning arrester. G. R. Folds. 1,668,310; May 1.
- Lightning arrester. E. H. Jacobs. 1,639,781; Oct. 30.
- Lightning arrester. S. M. Pineles. 1,655,972; Jan. 10.
- Lightning arrester. R. G. Sands. 1,656,076; Jan. 10.
- Lightning arrester. R. G. Sands. 1,656,989; Jan. 24.
- Lightning arrester. J. S. Slepian. 1,669,494; May 15.
- Lightning arrester. C. F. Steinmetz. 1,658,746; Feb. 7.
- Lightning arrester and resistance unit, Combined. C. J. Kelloway. 1,683,783; Sept. 11.
- Lightning arrester, Disk-pile. J. Slepian and S. M. Pineles. 1,667,873; May 1.
- Lightning arrester, Impulse. A. L. Atherton. 1,683,590; Sept. 11.
- Lightning arrester, Multigap. J. R. McFarlin. 1,687,254; Oct. 9.
- Lightning or surge arrester. L. C. Grant. 1,675,649; July 3.
- Lightning rod. C. D. Dallas. 1,666,326; Apr. 17.
- Lightning-rod construction. S. D. Kretzer. 1,682,288; Aug. 28.
- Lights, Fixture for ceiling. F. Yokel. Des. 75,942; July 31.
- Lights, Fixture for ceiling. F. Yokel. Des. 75,944; July 31.
- Lights of heavy-oil burners for furnaces, boilers, and the like, Device for automatically controlling pilot. S. L. Mershon. 1,687,135; Oct. 9.
- Lignin, Utilization of. R. Griessbach and J. Eisele. 1,666,696; Apr. 17.
- Lignocellulose material, Apparatus for and process of explosion fibrillation of. W. H. Mason. 1,655,618; Jan. 10.
- Limb, Artificial. I. P. Boggs. 1,692,975; Nov. 27.
- Limb, Artificial. H. W. Karn. 1,692,552; Nov. 20.
- Limb, Artificial. J. H. Kosek, and R. B. Trautman. 1,682,132; Aug. 28.
- Limb, Artificial. C. Neumann. 1,685,290; Sept. 25.
- Limb brace. C. H. Pierce. 1,663,921; Mar. 27.
- Limbs and similar devices, Manufacturing artificial. J. Loth. 1,693,091; Nov. 27.
- Lime and making it, Plastic hydrated. H. Dittlinger. 1,664,598; Apr. 3.
- Lime and making the same, Finishing. E. O. Schnell. 1,670,425; May 22.
- Lime, Hydrating. C. P. Berg. 1,679,149; July 31.
- Lime-hydrating apparatus. J. C. Schaffer. 1,668,924; May 8.
- Lime into lime putty, Apparatus for slaking. D. A. Evans. 1,662,776; Mar. 13.
- Lime, Making arsenate of. C. Ellis and V. T. Stewart. 1,690,627; Nov. 6.
- Lime, Manufacture of finishing. V. M. Frey. 1,689,237; Oct. 30.
- Lime spreader. C. D. Bousman. 1,686,143; Oct. 2.
- Lime-spreading machine. E. Zachrisson. 1,663,787; Mar. 27.
- Limit stop, Automatic. W. C. Swanscott. 1,686,882; Oct. 9.
- Limiting and volumetric meter, Demand. J. F. Kitchen. 1,676,444; July 10.
- Line-anchoring device. J. Hines. 1,673,248; June 12.
- Line and surface level. J. Mayes. 1,670,267; May 15.
- Line breaker. E. L. Stubbings. 1,663,421; Mar. 20.
- Line-casting machine. A. W. F. Guest. 1,691,653; Nov. 13.
- Line-casting machines, Mold for. J. M. Lobit. 1,671,116; May 29.
- Line clamp. L. S. Harvey. 1,675,175; June 26.
- Line clamp. C. E. Ramée. 1,693,960; Dec. 4.
- Line control. W. L. Foster. 1,684,367; Sept. 11.
- Line finder. H. A. Stevens. 1,658,499; Feb. 7.
- Lineman's staff. W. H. Payne. 1,655,876; Jan. 10.
- Lineman's test set. W. H. Edwards and E. W. Niles. 1,672,933; June 12.
- Lineman's wrench. J. S. Breed. 1,659,015; Feb. 14.
- Line marker for roadbeds. L. F. N. Baldwin. 1,683,121; Sept. 4.
- Line-projecting device. C. R. Walcott. 1,687,115; Oct. 9.
- Line-reducing machine, Straight-. J. F. Keller. 1,669,905; May 15.
- Line spacer, Variable. E. T. Harney. 1,657,392; Jan. 24.
- Line-stretching apparatus. D. Lockwood and A. J. Searle. 1,691,397; Nov. 13.
- Line-tapper-operating device. E. B. Normington. 1,687,584; Oct. 16.
- Line, Ten-yard. M. H. Winkler. 1,684,566; Sept. 18.
- Line tightener. F. J. Lee. 1,661,045; Feb. 28.
- Linelike effect to cotton, Imparting a. H. Ezli. 1,690,572; Nov. 6.
- Liner and applying same, Track. R. J. Wells. 1,693,878; Dec. 4.
- Liner and can construction. C. Hollen. 1,680,882; Aug. 14.
- Liner for citrus-fruit-juice extractors. A. T. Pursell. 1,662,898; Mar. 20.
- Liner-making machine. G. A. Robinson. 1,674,920; June 26.
- Liner safety, Automatic. B. A. Mills. 1,690,173; Nov. 6.
- Lingerie chain. R. A. Harris. Des. 74,566; Feb. 28.
- Lingerie clasp. F. W. Bemm. 1,695,521; Dec. 18.
- Lingerie clasp. E. B. Breen. 1,685,020; Sept. 18.

- Lingerie clasp. L. P. and M. C. Morgan. 1,696,580; Dec. 25.
- Lingerie clasp. L. R. Keller. 1,681,983; Aug. 28.
- Lingerie clasp. P. E. Wiberg. 1,664,716; Apr. 3.
- Lingerie pin. M. E. Kintz. 1,680,552; Aug. 14.
- Lingerie-strap holder. I. P. Johnson. 1,668,507; May 1.
- Lining, Adjustable hat. L. B. Weir. 1,684,610; Sept. 18.
- Lining cardboard boxes. W. A. Coyte. 1,679,407; Aug. 7.
- Lining composition for metallic containers. T. Domoto. 1,688,857; Oct. 23.
- Lining, Footwear. C. E. Bradley and C. D. Mason. 1,677,428; July 17.
- Lining for boots and shoes. A. E. Mathieu. 1,694,388; Dec. 11.
- Lining for rubber boots and manufacturing. A. A. Glidden and F. R. McKenzie. 1,676,329; July 10.
- Lining pipes, Method of and apparatus for. D. T. Beatty. 1,676,815; July 10.
- Lining-trimming machine. A. C. Smith. Re17,112; Oct. 23.
- Lining tubular containers. E. C. Hardy and P. J. Morales. 1,692,986; Nov. 27.
- Link: See—
- Antiskidding link.
- Link. D. J. Edwards. 1,663,043; Mar. 20.
- Link. J. D. Lemex. 1,679,042; July 31.
- Link, Cross-chain. G. B. Cady. 1,684,909; Sept. 18.
- Link, Cuff. C. I. Matson. 1,680,158; Aug. 7.
- Link, Cuff. J. Pejchar. 1,675,379; July 3.
- Link, Drag. W. H. Spire. 1,689,215; Oct. 30.
- Link, Emergency repair. R. R. Roth. 1,692,577; Nov. 20.
- Link, Extensible. A. Paulson. 1,669,346; May 8.
- Link for conveyer chains, Inside and outside. C. Rora-beck. 1,690,838; Nov. 6.
- Link for cross chains of antiskid chains, Connecting. R. A. Seager. 1,676,966; July 10.
- Link for overhead contact wires and using same, Suspension. T. Varney. 1,668,346; May 1.
- Link for scales, Check. R. J. Burke. 1,695,316; Dec. 18.
- Link for use in coal-cutting machines and the like. T. J. Thompson. 1,691,680; Nov. 13.
- Link mat. W. T. Bell. 1,693,803; Dec. 4.
- Link mechanism for circuit breakers. D. Ronnberg and A. Rooth. 1,692,867; Nov. 27.
- Link-mesh manufacture. O. Soderstrom. 1,668,739; May 8.
- Link, Quick-change. B. Felger. 1,679,416; Aug. 7.
- Link, Snap. O. C. Hill. 1,665,059; Apr. 3.
- Link, Spring-shackle. H. W. Bell. 1,660,030; Feb. 21.
- Link strap. C. R. Tost. 1,684,977; Sept. 18.
- Linkwork apparatus, Lever. A. G. Murdoch. 1,685,718; Sept. 25.
- Linkage. C. A. Goodspeed. 1,670,501; May 22.
- Links, Making drag. V. Hughes. 1,683,035; Sept. 4.
- Linoleum and like materials, Apparatus for storing and displaying. H. Elliott. 1,661,932; Mar. 6.
- Linoleum and similar floor coverings, Laying. C. N. Wenrich. 1,658,178; Feb. 7.
- Linoleum covering material, Manufacture of. A. Eisenstein. 1,693,917; Dec. 4.
- Linoleum floor mat. A. C. Sloate and J. C. Whyte. Des. 74,899; Apr. 10.
- Linoleum or sigilar hard-surfaced floor covering. E. J. Humphreys. Des. 76,395; Sept. 25.
- Linoleum or similar hard-surfaced floor covering. O. W. Fausser. Des. 74,974; Apr. 24.
- Linoleum, trioline, or the like, Production of a continuous floor for. L. Frieser and O. Seewald. 1,659,867; Feb. 21.
- Linotype composing machines, Electrical heating apparatus for the crucibles of. O. Mozzale. 1,657,581; Jan. 31.
- Linotype machines, Metal feeder for. J. H. W. Knoop. 1,660,268; Feb. 21.
- Lintel. W. H. Fasshauer. 1,681,286; Aug. 21.
- Lintel bar. S. S. Herrick. 1,696,764; Dec. 25.
- Lip stick. G. F. Anderson. 1,695,407; Dec. 18.
- Lip stick. J. L. McAtee. 1,675,365; July 3.
- Lip turner. S. J. Pentler and O. R. Short. 1,658,461; Feb. 7.
- Lip-turning machine. E. Erickson. 1,690,190; Nov. 6.
- Lipase, Producing. S. Yamamoto. 1,687,050; Oct. 9.
- Liquefaction apparatus. R. C. Tolman. W. L. De Baufre, J. W. Davis, and M. H. Roberts. 1,676,225; July 3.
- Liquid and gas contact apparatus. F. H. Wagner. 1,655,171; Jan. 3.
- Liquid composition containing chlorinated rubber. C. Ellis. 1,695,639; Dec. 18.
- Liquid containing a dispersed phase of another liquid, Apparatus for separating. E. W. Gard, B. G. Aldridge, and H. J. Multer. 1,665,164; Apr. 3.
- Liquid containing and applying means. W. H. Langston. 1,660,969; Feb. 28.
- Liquid-controlling device. L. W. Browne. 1,677,096; July 10.
- Liquid-cooling device. R. West. 1,664,872; Apr. 3.
- Liquid-delivery apparatus. J. J. Hawthurst. 1,680,457; Aug. 14.
- Liquid-delivery system. G. W. Stedwell. 1,685,036; Sept. 18.
- Liquid-delivery system. G. W. Stedwell. 1,696,738; Dec. 25.
- Liquid dispenser. C. R. Eckberg. 1,696,391; Dec. 25.
- Liquid dispenser. C. Leof. 1,667,483; Apr. 24.
- Liquid dispenser, Unit-measuring. R. E. Risser. 1,662,338; Mar. 13.
- Liquid-dispensing apparatus. L. E. Baker and W. F. Brandt. 1,673,545; June 12.
- Liquid-dispensing apparatus. J. B. Davis. 1,656,050; Jan. 10.
- Liquid-dispensing apparatus. J. G. Doty. 1,668,552; May 8.
- Liquid-dispensing apparatus. J. J. M. Gueux. 1,658,715; Feb. 7.
- Liquid-dispensing apparatus. L. D. Jurs. 1,672,533; June 5.
- Liquid-dispensing apparatus. H. M. Keith. 1,673,247; June 12.
- Liquid-dispensing apparatus. A. F. Tonkel. 1,670,392; May 22.
- Liquid-dispensing apparatus, Coin-controlled. P. Somers. 1,655,666; Jan. 10.
- Liquid-dispensing device. J. H. Davis. 1,684,171; Sept. 11.
- Liquid-dispensing device. I. Elmain, née Nassau. 1,660,085; Feb. 21.
- Liquid-dispensing device. C. S. Kaiser. 1,673,007; June 12.
- Liquid-dispensing device. N. H. Lopper. 1,685,880; Oct. 2.
- Liquid-dispensing means. H. E. and V. A. Tolle. Re-17,008; June 26.
- Liquid-distributing apparatus. F. Gouvion. 1,665,093; Apr. 3.
- Liquid draw-off. G. B. Stone and F. D. Michaels. 1,677,501; July 17.
- Liquid-expressing apparatus. P. Kutschbach. 1,661,614; Mar. 6.
- Liquid feeder, Gravity. B. Thoens. 1,664,051; Mar. 27.
- Liquid-flow switch. W. R. Walker. 1,658,618; Feb. 7.
- Liquid-flow switch. W. R. Walker. 1,676,753; July 10.
- Liquid for rinsing the mouth and applying it, Preparation of a. K. Bergl and W. Dietrich. 1,681,320; Aug. 21.
- Liquid from solid material, Device for separating. S. V. C. Plate. 1,676,459; July 13.
- Liquid fuel. E. M. Flores. 1,657,961; Jan. 31.
- Liquid fuel. M. Müller-Cunradi. 1,673,620; June 12.
- Liquid fuel. E. H. Records. 1,684,685; Sept. 18.
- Liquid fuel, Apparatus for the attainment of regular burning of. W. H. Erichsen and G. E. Falkentorp. 1,658,711; Feb. 7.
- Liquid fuel, Aqueous. E. H. Records. 1,684,686; Sept. 18.
- Liquid-fuel burner. C. H. Balmat. 1,694,366; Dec. 11.
- Liquid-fuel burner. C. E. Bird. 1,671,340; May 29.
- Liquid-fuel burner. C. B. Buerger. 1,685,804; Oct. 2.
- Liquid-fuel burner. L. A. Cocklin. Re16,954; May 1.
- Liquid-fuel burner. H. A. Davis. 1,676,080; July 3.
- Liquid-fuel burner. J. H. Gray. 1,696,196; Dec. 25.
- Liquid-fuel burner. R. M. Hortvet. 1,673,194; June 12.
- Liquid-fuel burner. D. Koudritsky. 1,686,213; Oct. 2.
- Liquid-fuel burner. J. E. Kresky. 1,696,547; Dec. 25.
- Liquid-fuel burner. A. Lang. 1,679,830; Aug. 7.
- Liquid-fuel burner. J. H. McIlvaine. 1,654,659; Jan. 3.
- Liquid-fuel burner. J. W. Newberry. 1,660,348; Feb. 28.
- Liquid-fuel burner. J. O. Post. 1,687,888; Oct. 16.
- Liquid-fuel burner. F. A. Quiroz and E. H. Peabody. 1,692,349; Nov. 20.
- Liquid-fuel burner. J. H. Reeve. 1,687,386; Oct. 9.
- Liquid-fuel burner. E. I. Staples. 1,695,215; Dec. 11.
- Liquid-fuel burner. C. M. Stroud. 1,660,106; Feb. 21.
- Liquid-fuel burner. C. C. Wheeler. 1,691,690; Nov. 13.
- Liquid-fuel-burning furnace. J. McDonald. 1,666,747; Apr. 17.
- Liquid-fuel-burning system. C. L. Rayfield. 1,675,133; June 26.
- Liquid-fuel combustion. W. H. Free. 1,689,667; Oct. 30.
- Liquid-fuel-delivery apparatus. G. P. Haynes. 1,656,894; Jan. 17.
- Liquid-fuel feed. E. Bossi. 1,662,101; Mar. 13.
- Liquid-fuel-feed system. J. P. Remington. 1,687,793; Oct. 16.
- Liquid-fuel-feeding device. J. T. Webber. 1,655,173; Jan. 3.
- Liquid fuel to heating plants, Apparatus for supplying. J. E. and W. F. Erickson. 1,661,415; Mar. 6.
- Liquid fuels and the like, Device for saving. L. D. Pastore. 1,669,067; May 8.
- Liquid gauge. K. Brown. 1,661,995; Mar. 6.
- Liquid gauge. A. Galdi and E. S. Peterson. 1,669,460; May 15.
- Liquid gauge. H. Hastings. 1,664,558; Apr. 3.
- Liquid gauge. J. B. Hower and J. V. Zeller. 1,678,513; July 24.
- Liquid gauge. G. J. Huntley. 1,683,191; Sept. 4.
- Liquid gauge. F. Rieher. 1,664,265; Mar. 27.
- Liquid gauge. W. C. Starkey. 1,667,499; Apr. 24.
- Liquid gun. C. F. Lefever. 1,662,067; Mar. 13.
- Liquid heater. W. A. Barrett. 1,682,029; Aug. 28.
- Liquid heater. O. Gess. 1,681,334; Aug. 21.
- Liquid height indicators, Operating means for. T. M. Eynon. 1,663,532; Mar. 20.
- Liquid-level control. L. H. Harding. 1,695,846; Dec. 18.
- Liquid-level gauge. M. E. Cheney. 1,690,215; Nov. 6.
- Liquid-level gauge. H. Ford. 1,696,347; Dec. 25.
- Liquid-level gauge. W. N. Frank, L. D. Croninger, and R. Hill. 1,658,235; Feb. 7.
- Liquid-level gauge. B. P. Joyce. 1,670,578; May 22.
- Liquid-level gauge. A. Kamerman. 1,656,068; Jan. 10.
- Liquid-level gauge. A. Novick. 1,687,506; Oct. 16.
- Liquid-level gauge. E. F. Pierce. 1,663,484-5; Mar. 20.

- Liquid-level gauge. H. B. Swan. 1,680,485; Aug. 14.
 Liquid-level gauge. F. B. Smithe. 1,681,504; Aug. 21.
 Liquid-level-indicating device. A. Kamerman. 1,656,069; Jan. 10.
 Liquid-level-indicating means. G. J. Dunbaugh, jr. 1,676,534; July 10.
 Liquid-level indicator. J. H. Becker. 1,671,624; May 29.
 Liquid-level indicator. S. H. Brooks. 1,689,941; Oct. 30.
 Liquid-level indicator. J. G. Callan. 1,667,769; May 1.
 Liquid-level indicator. F. A. Carmona and A. M. Sands. 1,665,530; Apr. 10.
 Liquid-level indicator. J. A. Dienner. 1,675,698; July 3.
 Liquid-level indicator. G. J. Dunbaugh, jr. 1,663,041; Mar. 20.
 Liquid-level indicator. T. M. Eynon. 1,664,200; Mar. 27.
 Liquid-level indicator. H. Farman. 1,692,163; Nov. 20.
 Liquid-level indicator. F. G. and W. M. Folberth. 1,660,420; Feb. 28.
 Liquid-level indicator. J. Girardet. 1,685,051; Sept. 18.
 Liquid-level indicator. W. F. Hohorst. 1,664,416; Apr. 3.
 Liquid-level indicator. W. Kusters. 1,665,667; Apr. 10.
 Liquid-level indicator. C. W. Schirmer and H. P. and D. D. Wood. 1,668,925; May 8.
 Liquid-level indicator. S. Q. Shannon and H. P. Randall. 1,680,916; Aug. 14.
 Liquid-level indicator. C. A. Winslow. 1,657,330; Jan. 24.
 Liquid-level indicators, Operating means for. T. M. Eynon. 1,683,769; Sept. 11.
 Liquid meter. H. D. Budde. 1,658,038; Feb. 7.
 Liquid meter. J. H. F. Fitger. 1,657,383; Jan. 24.
 Liquid meter. D. H. McGogy. 1,694,747; Dec. 11.
 Liquid meter. A. Monard. 1,660,623; Feb. 28.
 Liquid meter. H. M. Ryder and L. J. Bailey. 1,667,270; Apr. 24.
 Liquid mixtures, Distillation of. J. P. Fisher. 1,672,978; June 12.
 Liquid or plastic materials, Manufacturing solid products out of one or more. J. Merie. 1,657,132; Jan. 24.
 Liquid-pressure brake. J. Lansing. 1,695,194; Dec. 11.
 Liquid-quantity indicator. J. Maccallum, jr. 1,673,753; June 12.
 Liquid receivers, Cleansing means for. H. J. Engbrecht. 1,655,859; Jan. 10.
 Liquid rectifier. G. W. Carpenter. 1,671,970; June 5.
 Liquid register. W. E. Traylor. 1,680,651; Aug. 14.
 Liquid separator. E. C. Smith. 1,660,140; Feb. 21.
 Liquid-supply apparatus. W. A. Chryst and H. C. Walters. 1,661,359; Mar. 6.
 Liquid-supply tank. W. S. Locke. 1,688,279; Oct. 16.
 Liquid switch. J. R. Jackson, jr. 1,690,014; Oct. 30.
 Liquid-treating apparatus. H. Berquist. 1,662,630; Mar. 13.
 Liquid-treating apparatus. H. H. Miller. 1,661,379; Mar. 6.
 Liquid-treatment comb. J. Henige. 1,661,287; Mar. 6.
 Liquids and solids, Process of and apparatus for the continuous countercurrent treatment of. F. W. Manning. 1,686,092; Oct. 2.
 Liquids, Apparatus for concentrating aqueous. P. J. de S. A. Meynardie. 1,661,489; Mar. 6.
 Liquids, Apparatus for dehydrating. S. M. Dick. 1,673,068; June 12.
 Liquids, Apparatus for delivering measured quantities of. E. C. F. Oakley. 1,685,409; Sept. 25.
 Liquids, Apparatus for raising. J. O. Boving. 1,672,198; June 5.
 Liquids, Apparatus for raising. J. O. Boving. 1,696,792; Dec. 25.
 Liquids, Apparatus for the production of periodic large-volume discharges of. F. R. Webb. 1,669,271; May 8.
 Liquids, Centrifugal apparatus for and purifying. F. Jensen. 1,654,812; Jan. 3.
 Liquids, Centrifugal treatment of. K. J. Svensson and K. A. P. Norling. 1,659,222; Feb. 14.
 Liquids, Clarifying. A. Vallée y Gumá. 1,665,167; Apr. 3.
 Liquids, Clarifying device for. A. L. Rasey. 1,661,932; Apr. 10.
 Liquids, Distribution of. J. E. Noeggerath. 1,665,931; Apr. 10.
 Liquids from freezing, System for preventing. E. C. Petsch. 1,684,197; Sept. 11.
 Liquids in preheaters and steam generators, Circulation of. A. Schneider. 1,678,536; July 24.
 Liquids, Method and apparatus for raising. B. Andrews. 1,671,564; May 29.
 Liquids of different specific gravities, Device for separating. E. W. Green. 1,663,651; Mar. 27.
 Liquids of medicinal value, Producing. A. T. Porter. 1,660,655; Feb. 28.
 Liquids, Process and apparatus for dialyzing. O. M. Urbain. 1,680,349; Aug. 14.
 Liquids, Process and apparatus for the refining and purifying of. P. T. Sharples and L. D. Jones. 1,657,941; Jan. 31.
 Liquids, Process of and apparatus for treatment of solid-bearing. W. L. Remick. 1,678,788; July 31.
 Liquids, Purification of. G. C. Lewis. 1,678,676; July 31.
 Liquids, Reducing the viscosity of. E. A. Snow. 1,690,799; Nov. 6.
 Liquids, Separating. J. Alsberg. 1,656,716; Jan. 17.
 Liquids, Separating. O. L. Barnebey. 1,661,403; Mar. 6.
 Liquids, Separation of. H. S. Hele-Shaw and A. Beale. 1,690,537; Nov. 6.
 Liquids, Sterilizing and preserving. W. G. Tarbet. 1,673,215; June 12.
 Liquids to remove or recover substances therefrom, Apparatus for treating. E. B. Miller. 1,678,299; July 24.
 Liquids under pressure containing gases, Utilizing the energy of. W. H. Kniskern. 1,654,889; Jan. 3.
 Liquids with solids or semisolid substances or with other liquids, Apparatus for mixing. N. Bendizen. 1,689,103; Oct. 23.
 Liquor as by-product in salt purification, Making bleach. V. Yngve. 1,683,431; Sept. 4.
 Liquor, Making raw calcium-bisulphate digesting. G. A. Richter. 1,694,231; Dec. 4.
 Liquor, Treatment of sulphite-wood-pulp. W. E. B. Baker. 1,685,800; Oct. 2.
 Liquors from chambers, automatic fountains, and the like devices, Automatically discharging. G. Murray and V. O. Simpkins. 1,694,335; Dec. 4.
 Lister. C. W. Michael. 1,674,019; June 19.
 Lister attachment for cultivators, Disk. R. H. Kipp. 1,691,549; Nov. 13.
 Lister, Tractor. W. S. Graham. 1,677,474; July 17.
 Listing, counting, and printing machine. W. C. Bull. 1,664,768; Apr. 3.
 Lithopone. F. G. Breyer and C. W. Farber. 1,690,099; Nov. 6.
 Lithopone and improved method of manufacturing the same, Crude. J. H. Calbeck. 1,669,857; May 15.
 Lithopone and making same. J. E. Booge. 1,657,195; Jan. 24.
 Lithopone fast to light, Producing. G. Jantsch and P. Wolski. 1,693,902; Dec. 4.
 Lithopone, Manufacture of. W. H. Landers. 1,669,476; May 15.
 Lithopone, Production of. J. E. Booge, M. L. Hanahan, and J. P. Koller. 1,658,628; Feb. 7.
 Litter-handling mechanism. E. Livingston. 1,668,815; May 8.
 Live-line clamp. G. A. Her. 1,669,337; May 8.
 Load brake, Variable. T. H. Thomas. 1,670,391; May 22.
 Load carrying and hoisting machine. Portable. F. J. Shepard, jr., and N. Warshaw. 1,689,259; Oct. 30.
 Load indicator, Transformer. H. S. Gano. 1,682,498; Aug. 28.
 Loader. D. S. Barry. 1,683,646; Sept. 11.
 Loader. J. J. Koebel. 1,694,344; Dec. 4.
 Loader and conveyer, Stock. W. A. McQuay. 1,662,755; Mar. 13.
 Loader for cannon, Mechanical. T. A. Conlon. 1,682,323; Aug. 28.
 Loader, Grain. C. Nichol. 1,655,771; Jan. 10.
 Loader, Material. R. L. Wheatley. 1,686,053; Oct. 2.
 Loading and conveying apparatus for coal mines. E. C. Morgan. 1,693,344; Nov. 27.
 Loading and dumping device. I. E. Burkett. 1,691,513; Nov. 13.
 Loading and supporting vehicle bodies in freight cars and the like, Method and apparatus for. C. L. Michod. 1,661,439; Mar. 6.
 Loading and unloading mechanism. R. C. Osgood. 1,688,828; Oct. 23.
 Loading apparatus. E. C. Morgan. 1,659,696; Feb. 21.
 Loading apparatus. G. W. Rienks. 1,656,501; Jan. 17.
 Loading automobile bodies in freight cars. R. E. Baus. 1,661,458-9; Mar. 6.
 Loading block for assembling half bearings for machining. L. C. Blomstrom. 1,661,163; Mar. 6.
 Loading, Car. B. R. Moore. 1,680,165; Aug. 7.
 Loading cars, Apparatus for. N. D. Levin. 1,681,001; Aug. 14.
 Loading conveyer. J. W. Powell. 1,661,087; Feb. 28.
 Loading device. J. W. Dawson. 1,680,325; Aug. 14.
 Loading device. G. H. Gillespie. 1,668,500; May 1.
 Loading device. J. Younkman and G. W. Hargett. 1,658,873; Feb. 14.
 Loading device, Cottonseed. G. H. Kristek. 1,696,042; Dec. 18.
 Loading device for conveying systems. E. F. De Potter. 1,679,411; Aug. 7.
 Loading device, Mechanical. G. F. Royer. 1,694,145; Dec. 4.
 Loading device, Vehicle. F. W. Yells. 1,689,417; Oct. 30.
 Loading elevator. D. W. Perin. 1,678,528; July 24.
 Loading freight cars. J. W. Leslie. 1,666,213; Apr. 17.
 Loading machine. N. A. Newdick. 1,673,526; June 12.
 Loading machine. W. F. Shelley. 1,680,179; Aug. 7.
 Loading machine. F. N. Wilson. 1,656,616; Jan. 17.
 Loading machine tools, Method of and apparatus for. H. E. Kempton and K. F. Gallimore. 1,687,981; Oct. 16.
 Loading machinery, Auxiliary feeding means for. C. G. Pfeiffer. 1,654,829; Jan. 3.
 Loading means for tile-cleaning machines, Discharge. H. D. Lillibridge. 1,690,542; Nov. 6.
 Loading mechanism. W. H. Wineman. 1,679,143; July 31.
 Loading system. R. C. Mathes. 1,654,890; Jan. 3.
 Loading system, Sack. J. H. McDonall. 1,672,767; June 5.
 Loaf-making machine, Uniform. W. H. Keenan. 1,679,667; Aug. 7.
 Locating and punching apparatus, Work. E. E. Sablin. 1,678,789; July 31.

- Locating and raising sunken vessels, Device for. J. F. Baine. 1,664,281; Mar. 27.
- Locating defective insulators in electric power lines, Device for. T. D. Berry. 1,679,397; Aug. 7.
- Locating ore bodies, Method and apparatus for. T. Zuschlag. 1,692,530; Nov. 20.
- Locating submerged bodies, Device for. C. G. Weinreich. 1,675,964-5; July 3.
- Locating the point of escape of a fluid from concealed pipes, Method and apparatus for. W. B. Weldon. 1,693,737; Dec. 4.
- Lock: See—
- Adjustable lock.
- Alarm lock.
- Automatic lock.
- Automobile lock.
- Automobile shaft lock.
- Automobile theft lock.
- Auxiliary lock.
- Bag lock.
- Bed lock.
- Bedstead corner lock.
- Bolt lock.
- Bottle lock.
- Brake lock.
- Bridge lock.
- Car-door lock.
- Car lock.
- Caster lock.
- Chain lock.
- Chair lock.
- Chest lock.
- Clamping lock.
- Closure lock.
- Coin-controlled lock.
- Combination lock.
- Controller lock.
- Corner lock.
- Cylinder lock.
- Detachable lock.
- Door lock.
- Double lock.
- Electric lock.
- Frame lock.
- Garage or barn door lock.
- Gear-shifting-lever lock.
- Handle lock.
- Hasp lock.
- Hopper-door lock.
- Jimmyproof lock.
- Keyhole lock.
- Keyless lock.
- Key lock.
- Knob lock.
- Lamp lock.
- Manual rim lock.
- Mortise lock.
- Multiple lock.
- Nut and bolt lock.
- Nut lock.
- Oarlock.
- Paper-fastener lock.
- Pedal lock.
- Permutation lock.
- Pin-tumbler lock.
- Plug lock.
- Radiator-cap lock.
- Rail lock.
- Rim lock.
- Safe lock.
- Safety lock.
- Shingle lock.
- Stovepipe lock.
- Tire-chain lock.
- Tire lock.
- Tool-joint lock.
- Trailer lock.
- Transmission lock.
- Trunk lock.
- Tumbler lock.
- Type-page lock.
- Universal lock.
- Valve lock.
- Lock. W. E. Bartmess. 1,662,694; Mar. 13.
- Lock. E. M. Benham. 1,665,015; Apr. 3.
- Lock. E. M. Benham and G. J. Bauer. 1,665,016; Apr. 3.
- Lock. F. E. Best. 1,666,854; Jan. 17.
- Lock. A. Bouchery. 1,675,594; July 3.
- Lock. S. F. Briggs. 1,662,487; Mar. 13.
- Lock. R. E. Brown. 1,678,420; July 24.
- Lock. F. O. Brunelle. 1,684,908; Sept. 18.
- Lock. R. B. Buzzaird. 1,685,982; Oct. 2.
- Lock. E. H. Canon. 1,668,354; May 1.
- Lock. I. A. Caplan. 1,686,406; Oct. 2.
- Lock. W. J. Carroll. 1,674,759; June 26.
- Lock. F. Conly. 1,693,583; Nov. 27.
- Lock. H. A. Douglas. 1,664,404; Apr. 3.
- Lock. W. H. Edwards. 1,685,154; Sept. 25.
- Lock. G. W. Elmwall. 1,666,699; Jan. 17.
- Lock. W. Ganz. 1,692,825-6; Nov. 27.
- Lock. A. G. Hatch. 1,690,818; Nov. 6.
- Lock. F. J. Helmuth. 1,661,477; Mar. 6.
- Lock. F. K. Heyer. 1,682,080; Aug. 28.
- Lock. H. A. Hoehsen and J. D. Wear. 1,664,213; Mar. 27.
- Lock. N. B. Hurd. 1,656,275; Jan. 17.
- Lock. E. N. Jacobi. 1,686,665; Oct. 9.
- Lock. T. H. Joseph. 1,660,199; Feb. 21.
- Lock. J. Junkunc. 1,696,488; Dec. 25.
- Lock. E. P. Lamb. 1,674,906; June 26.
- Lock. C. W. Le Noue. 1,676,450; July 10.
- Lock. O. A. May. 1,666,786; Apr. 17.
- Lock. G. Nobile. 1,658,854; Feb. 14.
- Lock. B. H. Peltan. 1,657,093; Jan. 24.
- Lock. H. B. Plumb. 1,669,262; May 8.
- Lock. J. Rigo. 1,687,388; Oct. 9.
- Lock. A. C. Saxton. 1,672,284; June 5.
- Lock. J. V. Schafer. 1,657,039; Jan. 24.
- Lock. S. Segal. 1,659,169; Feb. 14.
- Lock. S. Segal. 1,689,804; Oct. 30.
- Lock. J. H. Shaw. 1,682,988; Sept. 4.
- Lock. J. C. Sherry. 1,675,581; July 3.
- Lock. C. F. Sioberg. 1,693,731; Dec. 4.
- Lock. A. R. Smith. 1,681,017; Aug. 14.
- Lock. H. E. Soref. 1,666,880; Apr. 17.
- Lock. J. Vrba. 1,657,650; Jan. 31.
- Lock. P. R. Walls. 1,661,101; Feb. 28.
- Lock. F. J. Watts. 1,666,319; Apr. 17.
- Lock. M. Wildrick. 1,656,882; Jan. 17.
- Lock. C. H. Williams. 1,674,936; June 26.
- Lock. H. Williams. 1,666,078; Apr. 17.
- Lock. S. Wise. 1,696,829; Dec. 25.
- Lock and door of telephone coin collectors, Reenforcing the. F. A. Hoyt and O. A. Shann. 1,667,804; May 1.
- Lock and electric circuits, Vehicle. A. E. Paige. 1,686,763; Oct. 9.
- Lock and ignition-switch-actuating mechanism, Gear-shifting lever. J. L. Hosford. 1,694,011; Dec. 4.
- Lock and latch. C. R. Alley. 1,691,750; Nov. 13.
- Lock and latch. A. Knesch. 1,685,708; Sept. 25.
- Lock and latch, Combined. K. Ando. 1,680,930; Aug. 14.
- Lock and latch, Combined. J. Arigi. 1,677,012; July 10.
- Lock and release device, Turnstile. F. Hedley and J. S. Doyle. 1,655,501; Jan. 10.
- Lock and release for concrete mixers, Automatic. M. Gillson. 1,685,529; Sept. 25.
- Lock and release, Press-door. W. L. Hancock. 1,660,337; Feb. 28.
- Lock and signal-switch actuator, Combined sash. T. Randon and H. Phoenix. 1,686,032; Oct. 2.
- Lock and signaling device, Vehicle. A. E. Paige. 1,683,913; Sept. 11.
- Lock attachment for pockets, Watch. C. Capuano. 1,692,200; Nov. 20.
- Lock box, Double. L. H. Birrell. 1,680,661; Aug. 14.
- Lock box, Secret-. T. Melder. 1,693,038; Nov. 27.
- Lock combinator. F. E. Best. 1,679,760; Aug. 7.
- Lock device. H. R. Simpson. 1,667,223; Apr. 24.
- Lock escutcheon or similar article, Bag. J. B. Russ. Des. 74,842; Apr. 3.
- Lock-filling machine. F. E. Best. 1,679,759; Aug. 7.
- Lock for automobile doors. N. W. Cummins. 1,662,662; Mar. 13.
- Lock for automobiles, Automatic shaft. W. B. Uffert. 1,683,428; Sept. 4.
- Lock for automobiles, Coincidental. A. A. Welman. 1,688,568; Oct. 23.
- Lock for bicycles, Theft-preventing rocking. E. Soulliere. 1,687,697; Oct. 16.
- Lock for cans, Screw friction. E. M. Pletcher. 1,687,887; Oct. 16.
- Lock for combination lighting and ignition switches. W. Kaisling. 1,674,865; June 26.
- Lock for cotton-press doors. T. Elliott. 1,686,744; Oct. 9.
- Lock for counterbalancing devices, Safety. C. P. Grimes. 1,685,585; Sept. 25.
- Lock for doors, Double. T. H. Joseph. 1,692,663; Nov. 20.
- Lock for drop-box looms, Automatic box. J. D. Groves. 1,683,543; Sept. 4.
- Lock for electric switches. H. A. Douglas. 1,657,006; Jan. 24.
- Lock for elevator doors. J. A. Schweig. 1,662,342; Mar. 13.
- Lock for firearms, Trigger. R. T. Windle. 1,686,482; Oct. 2.
- Lock for folding boxes. L. Boeppler. 1,682,165; Aug. 28.
- Lock for gasoline tanks, Outlet. R. G. Westbrook and S. A. Brown. 1,687,814; Oct. 16.
- Lock for gas-stove valves, Safety. L. Faba. 1,686,906; Oct. 9.
- Lock for hypodermic needles and the like. G. N. Hein. 1,683,350; Sept. 4.
- Lock for ignition and lighting switches. W. Kaisling. 1,693,844; Dec. 4.
- Lock for interlocking levers. S. P. Hull, J. J. Corcoran, and E. A. Everett. 1,680,617; Aug. 14.
- Lock for motor vehicles. G. A. Gillen. 1,664,620; Apr. 3.
- Lock for paper fasteners. F. J. Kline. 1,692,780; Nov. 20.
- Lock for paver buckets, Back-movement. E. H. Lichtenberg. 1,687,299; Oct. 9.
- Lock for pleasure railways, Safety bar. R. C. Illions. 1,659,108; Feb. 14.
- Lock for pneumatic tools, Handle. J. T. Nelson. 1,677,199; July 17.
- Lock for preventing theft of automobiles. R. Alfisi. 1,655,350; Jan. 3.
- Lock for radiator valves and the like. W. K. Simpson. 1,688,400; Oct. 23.
- Lock for weighing scales, Automatic. E. G. Thomas. 1,671,261; May 29.
- Lock for window regulators. H. B. Haskins. 1,687,243; Oct. 9.
- Lock for window regulators. S. W. Nicholson. 1,659,892; Feb. 21.
- Lock frame or similar article. M. Leventhal. Des. 74,936; Apr. 17.
- Lock housing. C. N. Fairchild. 1,684,311; Sept. 11.
- Lock joint, Universal. T. Lindner. 1,671,991; June 5.
- Lock means. J. H. Muth. 1,685,785; Oct. 2.
- Lock means, Automobile. J. S. Lach. 1,692,668; Nov. 20.
- Lock mechanism. W. R. Hill. 1,673,510; June 12.
- Lock mechanism. C. W. Lanphere. 1,664,984; Apr. 3.
- Lock nut. J. H. Brown. 1,689,225; Oct. 30.
- Lock nut and guard, Crank-pin. W. F. Zimmermann. 1,659,714; Feb. 21.
- Lock nut for electrical conduits. J. A. Malcolm. 1,689,248; Oct. 30.
- Lock-operating device, Magnetic. C. W. Cherry. 1,686,202; Oct. 2.
- Lock or similar article. J. B. Russ. Des. 74,626; Mar. 6.
- Lock or similar article, Brief-case. M. Leventhal. Des. 76,695; Oct. 23.
- Lock seam for pipe sections. C. E. Ruppelt. 1,673,642; June 12.
- Lock-shaft-securing means. W. C. Devereaux. 1,685,316; Sept. 25.
- Lock switch. E. M. Soreng. 1,662,344; Mar. 13.
- Lock washer. R. B. Clegg. 1,654,789; Jan. 3.
- Lock washer. R. T. Hosking. 1,667,803; May 1.
- Lock washer. C. G. Olson. 1,667,865; May 1.
- Lock washer. C. G. Olson. 1,668,025; May 1.
- Lock washer. C. O. Svenson. 1,660,772; Feb. 28.
- Lock washer. E. Ward. 1,678,409; July 24.
- Locker. E. D. Kaser. 1,661,370; Mar. 6.
- Locker. J. W. Sharp. 1,688,834; Oct. 23.

- Locking and adjusting device, Form. J. J. Heys. 1,660,447; Feb. 28.
- Locking bolt and opening and closing device for car doors, Combination. J. H. Simonton. 1,692,908; Nov. 27.
- Locking cap for fuel tanks. J. E. Whitley. 1,687,601; Oct. 16.
- Locking carrier for disk wheels. A. M. Bayer. 1,687,966; Oct. 16.
- Locking clamp, Automatic. E. G. Unger. 1,686,539; Oct. 9.
- Locking clip. L. Ingrassia. 1,674,902; June 26.
- Locking coupling. T. B. Tiefenbacher. 1,676,585; July 10.
- Locking cover. J. Schilling. 1,657,283; Jan. 24.
- Locking device. C. M. Graves. 1,677,768; July 17.
- Locking device. M. M. Gruber. 1,667,377; Apr. 24.
- Locking device. W. G. Hadsall. 1,657,621; Jan. 31.
- Locking device. J. C. Irwin. 1,691,975; Nov. 20.
- Locking device. E. N. Jacobi. 1,662,423; Mar. 13.
- Locking device. R. R. Kenworthy. 1,668,321; May 1.
- Locking device. B. R. and R. R. Kenworthy. 1,657,402; Jan. 24.
- Locking device. J. Kries. 1,666,783; Apr. 17.
- Locking device. J. S. Lach. 1,696,045; Dec. 18.
- Locking device. D. L. Morris. 1,671,602; May 29.
- Locking device. J. Q. Sherman. 1,668,983; May 8.
- Locking device. H. B. Taylor. 1,675,624; July 3.
- Locking device. W. F. Zimmermann. 1,691,599; Nov. 13.
- Locking device and seal, Combined. A. D. Summers. 1,683,932; Sept. 11.
- Locking device, Automobile. H. G. Prigge. 1,694,863; Dec. 11.
- Locking device, Box-. H. D. Morton. 1,680,745; Aug. 14.
- Locking device, Car-door-. W. E. Wine. 1,682,946; Sept. 4.
- Locking device, Caster-. O. B. Woodrow. 1,658,273; Feb. 7.
- Locking device, Dial telephone. W. B. James. 1,696,038; Dec. 18.
- Locking device, Drawer-. G. H. Wheary and M. Kurten. 1,686,194; Oct. 2.
- Locking device for auto hoods, Safety. S. S. Law and A. Jacobson. 1,673,689; June 12.
- Locking device for automobiles. E. J. Martel. 1,693,762; Dec. 4.
- Locking device for automobiles, Safety. C. A. Matson. 1,691,774; Nov. 13.
- Locking device for bulb supports of direction indicators. A. R. P. Johnson. 1,686,008; Oct. 2.
- Locking device for casings, Safety. B. H. Smith. 1,661,272; Mar. 6.
- Locking device for closures. J. A. Willners. 1,695,405; Dec. 18.
- Locking device for clothes reels. R. H. Gould. 1,657,672; Jan. 31.
- Locking device for couplings, Self-. F. S. Bunker. 1,669,186; May 8.
- Locking device for drain-valve-operating rods. L. F. Dickman. 1,670,192; May 15.
- Locking device for galleys. F. J. Nugent. 1,679,778; Aug. 7.
- Locking device for motor-vehicle tires and rims. R. Dougan. 1,681,469; Aug. 21.
- Locking device for pressure pads, Mechanical. F. J. Rode. 1,689,501; Oct. 30.
- Locking device for switch keys. H. J. Christopher. 1,689,230; Oct. 30.
- Locking device for tire carriers for automobiles. O. K. Warwick. 1,656,654; Jan. 17.
- Locking device for typewriters. R. Heimers. 1,684,702; Sept. 18.
- Locking device for wheel-rim-expanding wedges. E. E. Binfeldt. 1,680,371; Aug. 14.
- Locking device, Insulator-. E. S. Dickey and P. A. Carnahan. 1,691,964; Nov. 20.
- Locking device, Luggage-. O. J. Walinsky. 1,680,652; Aug. 14.
- Locking device, Safety. J. Fecher. 1,676,014; July 3.
- Locking device, Tire-. M. C. Lee. 1,685,924; Oct. 2.
- Locking device, Transmission-. P. L. Tenney. 1,686,047; Oct. 2.
- Locking foldable joint. C. C. Breton. 1,654,958; Jan. 3.
- Locking handle. J. Goodman. 1,668,958; May 8.
- Locking means for automobiles. W. Hemingway, jr. 1,694,382; Dec. 11.
- Locking means for hub caps. G. H. Daubner. 1,674,097; June 19.
- Locking means for index cards and the like. E. Sampson, sr. 1,678,357; July 24.
- Locking means for inner-tube molds and the like, Valve-stem-. W. L. Fairchild. 1,680,777; Aug. 14.
- Locking means for pins, bolts, and the like. G. T. Cooke. 1,670,652; May 22.
- Locking mechanism. E. S. Hutton. 1,680,618; Aug. 14.
- Locking mechanism. E. W. McGinley. 1,664,042; Mar. 27.
- Locking mechanism. E. H. Thomas. 1,692,595; Nov. 20.
- Locking mechanism. F. J. Watts. 1,692,878; Nov. 27.
- Locking mechanism, Automobile. C. W. Blossom and E. C. Peterson. 1,674,315; June 19.
- Locking mechanism, Car-door-. B. W. Kadel. 1,681,669; Aug. 21.
- Locking mechanism, Jail-door-. J. T. Whitehouse. 1,658,148; Feb. 7.
- Locking mechanism, Jail-door-. J. T. Whitehouse. 1,665,243; Apr. 10.
- Locking mechanism for automobiles. F. N. Roehrich. 1,675,465; July 3.
- Locking mechanism for filling-tube caps. R. E. Ward. 1,662,482; Mar. 13.
- Locking mechanism for lockers. F. Albach. 1,662,773; Mar. 13.
- Locking mechanism for printing presses, Plate-. W. Durrant. 1,674,426; June 19.
- Locking mechanism for removable containers. B. F. Fitch. 1,685,356; Sept. 25.
- Locking plug for extension cords. C. Calkins. 1,694,056; Dec. 4.
- Locking rosette. L. A. Dexter. 1,681,147; Aug. 14.
- Locks, Cushioning casing for. J. Junkunc. 1,662,612; Mar. 13.
- Locks, Electrically-controlled combination mechanism for. R. H. Malicki. 1,661,127; Feb. 28.
- Locks employed for safes, Decombinating device for combination. H. Ibarrrat. 1,674,901; June 26.
- Locks, Safety attachment for. L. C. Schmidt. 1,655,975; Jan. 10.
- Locks, Safety device for. G. Scally. 1,666,542; Apr. 17.
- Locks, Self-aligning key guide for. H. H. Hanton. 1,674,595; June 19.
- Locks, Tumbler for safety. F. Schori. 1,669,677; May 15.
- Locomotion on foot, Facilitating. J. D. M. Robinson. 1,677,728; July 17.
- Locomotive. H. S. Burnham. 1,693,220; Nov. 27.
- Locomotive. G. K. Davol. 1,665,910; Apr. 10.
- Locomotive. J. Geiger. 1,694,648; Dec. 11.
- Locomotive. N. T. McKee. 1,689,353; Oct. 30.
- Locomotive. L. L. Neebe. 1,655,970; Jan. 10.
- Locomotive. W. E. Woodard. 1,662,841; Mar. 20.
- Locomotive. W. E. Woodard. 1,683,750; Sept. 11.
- Locomotive, Auxiliary. R. J. McCarty, jr. 1,696,610; Dec. 25.
- Locomotive auxiliary cylinder-port arrangement. W. E. Woodard. 1,676,067; July 3.
- Locomotive boiler. W. L. Bean. 1,677,427; July 17.
- Locomotive boiler. A. W. Bruce. 1,682,692; Aug. 28.
- Locomotive boiler. A. W. Bruce. 1,682,723; Aug. 28.
- Locomotive boiler. M. M. Crowley. 1,663,585; Mar. 27.
- Locomotive boiler. C. G. Hawley. 1,667,111-12; Apr. 24.
- Locomotive boiler. C. G. Hawley. 1,669,414; May 15.
- Locomotive boiler. C. G. Hawley. 1,681,405; Aug. 21.
- Locomotive boiler. N. M. Lower. 1,673,152; June 12.
- Locomotive boiler. J. L. Nicholson. 1,688,594; Oct. 23.
- Locomotive-boiler front-end hinge. H. Vissering. 1,657,702; Jan. 31.
- Locomotive booster. F. W. Martin. 1,689,676; Oct. 30.
- Locomotive booster. M. H. Roberts and M. T. Forker. 1,686,710; Oct. 9.
- Locomotive booster apparatus. F. R. Peters. 1,665,324; Apr. 10.
- Locomotive booster apparatus. H. S. Vincent. 1,676,509; July 10.
- Locomotive booster apparatus. G. H. Zouck. 1,654,909; Jan. 3.
- Locomotive booster device. W. F. J. Casey and G. Cavin. 1,683,286; Sept. 4.
- Locomotive booster device. E. L. Schellens and J. S. Coffin, jr. 1,668,340; May 1.
- Locomotive-cab deck. C. C. C. Burkhardt and E. O. Elliott. 1,691,797; Nov. 13.
- Locomotive-cab seat. W. A. Newman. 1,692,685; Nov. 20.
- Locomotive-cab turret. J. G. Blunt. 1,658,964; Feb. 14.
- Locomotive, Condensing. R. Klingelhöffer. 1,670,968; May 22.
- Locomotive construction. H. M. Pfleger. 1,692,693; Nov. 20.
- Locomotive construction. H. S. Vincent. 1,695,399; Dec. 18.
- Locomotive construction, Electric-. J. Buchli. 1,671,099; May 29.
- Locomotive control. E. F. W. Alexanderson. 1,655,037; Jan. 3.
- Locomotive cradle. H. M. Pfleger. 1,674,795; June 26.
- Locomotive, Diesel electric. D. M. Palmer. 1,691,249; Nov. 13.
- Locomotive-drive-box wedge assembly. W. A. O'Toole. 1,654,597; Jan. 3.
- Locomotive driving box. J. G. Blunt. 1,685,212; Sept. 25.
- Locomotive-driving-box cellar. J. G. Blunt. 1,684,213; Sept. 11.
- Locomotive driving boxes, Lateral-motion device for. J. G. Blunt. 1,692,616; Nov. 20.
- Locomotive, Electric. C. O. Bowen. 1,684,779; Sept. 18.
- Locomotive, Electric. H. A. Houston. 1,682,517; Aug. 28.
- Locomotive, Electric. A. T. Kasley. 1,686,697; Oct. 9.
- Locomotive, Electric. W. W. Sloane. 1,692,873; Nov. 27.
- Locomotive engine. Compound. C. K. Getchell. 1,672,381; June 5.
- Locomotive equalizer rigging. C. B. Harblson. 1,688,419; Oct. 23.
- Locomotive equalizing mechanism. W. E. Woodard. 1,663,227; Mar. 20.
- Locomotive firebox. C. G. Hawley. 1,676,732; July 10.
- Locomotive fire box. W. L. Reid. 1,663,216; Mar. 20.
- Locomotive-fire-box structure. G. M. Bean. 1,655,383; Jan. 3.
- Locomotive frame. J. D. Rauch. 1,686,104; Oct. 2.
- Locomotive-frame cross tie and link support. J. G. Blunt. 1,657,778; Jan. 31.

- Locomotive front end. H. B. Oatley. 1,676,347; July 10.
 Locomotive front-end support. H. Vissering. 1,674,269; June 19.
 Locomotive furnace, Oil-burning. H. A. Atwater. 1,664,099; Mar. 27.
 Locomotive, Geared. O. C. Hopkins. 1,670,624; May 22.
 Locomotive, Internal-combustion-engine. E. Zbinden. 1,691,598; Nov. 13.
 Locomotive, Mallet. E. M. Shannon. 1,661,053; Feb. 28.
 Locomotive, Mine. B. K. Kirk. 1,691,815; Nov. 13.
 Locomotive mover. J. B. Irwin. 1,666,780; Apr. 17.
 Locomotive mud ring. W. M. Sheehan. 1,678,880; July 31.
 Locomotive, Oil-motor-driven. J. Buchli. 1,677,704; July 17.
 Locomotive rod mechanism. W. E. Woodward. 1,662,595; Mar. 13.
 Locomotive-smoke-box arrangement. J. F. Griffin. 1,678,727; July 31.
 Locomotive smoke-box structure. W. L. Bean. 1,686,788; Oct. 9.
 Locomotive, Steam. C. E. Brooks and C. A. Brandt. 1,676,247; July 10.
 Locomotive, Steam. A. Franco. 1,682,006; Aug. 28.
 Locomotive, Steam. M. Pekich. 1,674,219; June 19.
 Locomotive steam purifier. C. G. Hawley. Re17,058; Aug. 7.
 Locomotive, Steam turbine. G. Belluzzo. 1,666,590; Apr. 17.
 Locomotive stoker. N. M. Lower and E. A. Turner. 1,665,748; Apr. 10.
 Locomotive stoker. E. A. Turner and A. R. Chalker. 1,671,331; May 29.
 Locomotive structure. W. O. Ashe. 1,656,717; Jan. 17.
 Locomotive structure. G. T. Foster. 1,683,455; Sept. 4.
 Locomotive structure. K. S. Howard. 1,683,671-4; Sept. 11.
 Locomotive structure. H. M. Pfäfer. 1,677,985; July 24.
 Locomotive structure. W. M. Sheehan. 1,680,434; Aug. 14.
 Locomotive support, Auxiliary. R. J. McCarty, jr. 1,675,456; July 3.
 Locomotive tender. F. Darby. 1,691,381; Nov. 13.
 Locomotive-tender tank. E. E. Hicken. 1,668,561-2; May 8.
 Locomotive-tender-tank feeder. S. Heiden. 1,684,319; Sept. 11.
 Locomotive terminal. L. G. Plant. 1,686,103; Oct. 2.
 Locomotive, Three-cylinder compound. H. Glaenzler and L. W. Hance. 1,671,821; May 29.
 Locomotive, Turbine. F. Lösel. 1,680,025; Aug. 7.
 Locomotive whistle. R. C. Morehouse. 1,665,671; Apr. 10.
 Locomotives, Attachment to. P. B. Kamedish. 1,666,388; Apr. 17.
 Locomotives, Buffer for. H. S. Wilson. 1,658,179; Feb. 7.
 Locomotives, Connecting rod for. H. Swoyer. 1,669,268; May 8.
 Locomotives, Draft appliance for. E. L. Schellens. 1,671,382; May 29.
 Locomotives, Draft appliance for booster-supplemented. H. S. Vincent. 1,654,904; Jan. 3.
 Locomotives, Drive for industrial. F. B. Carter. 1,660,475; Feb. 28.
 Locomotives, Drop-pit mechanism for unwheeling. O. L. Coffey. Re17,116; Oct. 23.
 Locomotives, Duplex nozzle for. R. R. Bush and C. W. Dake. 1,684,791; Sept. 18.
 Locomotives, Feed-water heater for. G. H. Emerson. 1,660,261; Feb. 21.
 Locomotives in roundhouses, System of drafting. F. H. C. Coppus. 1,669,455; May 15.
 Locomotives, Lateral-motion device for. C. F. Prescott. 1,661,013; Feb. 28.
 Locomotives, Smoke and gas consuming fire box for. J. A. Connell. 1,673,104; June 12.
 Lodge or fraternal paraphernalia. C. E. Williams. 1,690,656; Nov. 6.
 Log cabin, Split. K. M. Hyland and C. H. Hancock. 1,655,701; Jan. 10.
 Log-sizing mechanism. T. A. Peterson. 1,696,502; Dec. 25.
 Logging conveyor, Roller. G. De Staffany, Sr. 1,668,634; May 8.
 Logging hook. C. W. Splering. 1,666,272; Apr. 17.
 Logometer. A. McNab. 1,663,211; Mar. 20.
 Logs and grates, Attachment for. F. G. Gross. 1,677,629; July 17.
 Loom. E. F. Baldwin. 1,678,099; July 24.
 Loom. S. G. Bartolotta. 1,674,312; June 19.
 Loom. E. Bauer and P. Miozzi. 1,677,542; July 17.
 Loom. C. Bilhartz. 1,684,789; Sept. 18.
 Loom. J. C. Brooks. 1,667,306; Apr. 24.
 Loom. J. Lucas. 1,659,275; Feb. 14.
 Loom. J. Lucas. 1,674,732; June 26.
 Loom. J. Lucas. 1,677,192; July 17.
 Loom. J. Northrop. 1,661,339-40; Mar. 6.
 Loom. A. Nullau. 1,673,702; June 12.
 Loom. M. Steinlin and W. Holderegger. 1,686,580; Oct. 9.
 Loom. A. T. Thompson. 1,679,638; Aug. 7.
 Loom and weaving double-pile fabrics. H. Howard. 1,691,194-5; Nov. 13.
 Loom attachment. C. W. Bolick. 1,668,487; May 1.
 Loom attachment. E. A. Pennoyer. 1,667,637; Apr. 24.
 Loom, Axminster. V. Gero. 1,672,609; June 5.
 Loom, Circular. O. A. Frederickson. 1,683,385; Sept. 4.
 Loom, Circular. O. A. Frederickson. 1,694,254; Dec. 4.
 Loom, Cross-weaving. H. A. Davis. 1,695,010; Dec. 11.
 Loom dobby. A. A. Gordon. 1,674,862; June 26.
 Loom dobby. N. Heard. 1,685,065; Sept. 18.
 Loom fabric protector. S. Borgnis. 1,695,137; Dec. 11.
 Loom, Feeler. J. Northrop. 1,676,913; July 10.
 Loom feeler mechanism. P. F. O'Brien. 1,683,369; Sept. 4.
 Loom, Filling-replenishing. H. A. Davis. 1,662,000; Mar. 6.
 Loom for manufacturing nontraveling fabrics. F. Philly. 1,683,052; Sept. 4.
 Loom for the manufacture of pile fabrics, Power. P. Venail. 1,690,802; Nov. 6.
 Loom for weaving. J. H. and T. Hindle. 1,678,434; July 24.
 Loom for weaving pile fabrics. J. E. Grosvenor and W. T. Picking. 1,689,384; Oct. 30.
 Loom for weaving reeds. P. de Guardia-Calmètes. 1,660,596; Feb. 28.
 Loom for weaving tufted pile fabrics and apparatus for use therewith. F. W. Austin. 1,675,836; July 3.
 Loom, Hand. S. I. Odlin. 1,667,330; Apr. 24.
 Loom harness mechanism. M. Coningswood. 1,680,501; Aug. 14.
 Loom, harness-strap connector. G. J. Pfeiffer. 1,668,124; May 1.
 Loom lay mounting. P. Esters. 1,674,963; June 26.
 Loom, Narrow-fabric. J. C. Ward. 1,692,192; Nov. 20.
 Loom picker spindles, Supporting means for. E. W. Barrett. 1,654,570; Jan. 3.
 Loom picking spindles, Support for. C. Parent. 1,663,918; Mar. 27.
 Loom, Pile-fabric. H. Mason. 1,676,039; July 3.
 Loom, Power. R. and E. Knobel. 1,692,307; Nov. 20.
 Loom reed. I. Andrews. 1,676,515; July 10.
 Loom reed. O. P. Hargrove and M. Fitzpatrick. 1,686,448; Oct. 2.
 Loom reed, Adjustable. E. R. Holmes. 1,683,187; Sept. 4.
 Loom shuttle motion. A. J. Vervaeet. 1,692,475; Nov. 20.
 Loom stop mechanism. H. Demers. 1,694,411; Dec. 11.
 Loom-stopping mechanism. H. A. Davis. 1,687,471; Oct. 9.
 Loom stopping mechanism, Weft-controlled. V. H. Jennings. 1,674,864; June 26.
 Loom temples, Spring for thread-cutting. W. I. Stimpson. 1,693,942; Dec. 4.
 Loom, Terry. C. D. Brown. 1,657,429; Jan. 24.
 Loom to transfer on backward stroke of the lay. R. G. Turner. 1,664,005; Mar. 27.
 Loom transfer arm, Electrical feeler in. R. G. Turner. 1,689,700; Oct. 30.
 Loom transferer arms, Weft detector for. E. H. Ryon. 1,663,956; Mar. 27.
 Loom transferer, Weft. A. Cederlund. 1,695,366; Dec. 18.
 Loom transferer, Weft detector on. A. J. Chevrette. 1,663,902; Mar. 27.
 Loom transferers, Guard for weft detectors in. K. J. Unwin. 1,663,926; Mar. 27.
 Loom transferers, Weft detector in. K. J. Unwin. 1,679,640; Aug. 7.
 Loom tube frame and spool. J. A. Coyle and W. B. Cooper. 1,665,447; Apr. 10.
 Loom, Weft-replenishing. C. H. Draper. 1,661,328; Mar. 6.
 Loom, Weft-replenishing. A. A. Gordon. 1,674,860; June 26.
 Loom, Weft-replenishing. S. S. Jackson. 1,688,309; Oct. 16.
 Loom, Weft-replenishing. J. T. Malloy. 1,662,198; Mar. 13.
 Loom, Weft-replenishing. B. F. McGuinness. 1,679,618; Aug. 7.
 Loom, Weft-replenishing pick-and-pick. W. H. Wakefield. 1,679,641; Aug. 7.
 Looms, Actuating and supporting mechanism for the knotting tables of oriental-rug. M. A. Bauer. 1,695,360; Dec. 18.
 Looms, Actuating mechanism in oriental-rug. M. A. Bauer. 1,677,426; July 17.
 Looms and the like machines, Thread guide and cleaner for spinning. J. A. Rouge. 1,695,743; Dec. 18.
 Looms, Attachment for. C. E. Neisler, jr. 1,665,274; Apr. 10.
 Looms, Attachment for. A. Palmer. 1,691,124; Nov. 13.
 Looms, Attachment for dobby. S. P. Parker. 1,672,773; June 5.
 Looms, Automatic bobbin-changing device for. C. Valentin. 1,656,801; Jan. 17.
 Looms, Automatic stop mechanism for. J. Lucas. 1,677,899; July 24.
 Looms, Beam lock for. J. Magill. 1,658,492; Feb. 7.
 Looms, Bobbin clearer for filling-replenishing. E. Gadue. 1,657,823; Jan. 31.
 Looms, Box motion for. A. A. Gordon. 1,668,146; May 1.
 Looms, Box motion for. W. E. Lundgren. 1,679,616; Aug. 7.
 Looms, Brake for pile-wire-controlling mechanism for. W. E. Smith. 1,667,682; Apr. 24.
 Looms, Buffer for the picking arms in weaving. K. Toyoda. 1,665,514; Apr. 10.

- Looms, Carriage-release mechanism for wire. M. Mertens. 1,658,091; Feb. 7.
- Looms, Cloth-cutting attachment for. H. A. Davis. 1,696,155; Dec. 18.
- Looms, Cloth-take-up mechanism for. J. Ott. 1,654,598; Jan. 3.
- Looms, Clutch mechanism for. J. Northrop. 1,666,717; Apr. 17.
- Looms, Color indication for multicolor-weft-replenishing. C. R. Howard and R. W. Wagner. 1,663,945; Mar. 27.
- Looms, Color indicator for weft-replenishing. A. A. Gordon. 1,663,942; Mar. 27.
- Looms, Color indicator for weft-replenishing. E. H. Ryon. 1,663,957; Mar. 27.
- Looms, Cutting mechanism for automatic. D. Lemieux. 1,667,261; Apr. 24.
- Looms, Detector mechanism for. J. Northrop. 1,661,337; Mar. 6.
- Looms, Dobby for. J. T. Malloy. 1,682,791; Sept. 4.
- Looms, Driving means for pile-wire-controlling mechanism for. W. E. Smith. 1,668,574; May 8.
- Looms, Equalizer for drop-box. G. F. Hutchins. 1,668,152; May 1.
- Looms, Feeler mechanism for. E. A. Cuniff. 1,678,587; July 24.
- Looms, Feeler mechanism for. H. A. Davis. 1,670,283; May 15.
- Looms, Feeler mechanism for. O. C. Hammett and G. R. Scott. 1,675,549; July 3.
- Looms, Feeler mechanism for. A. E. Stafford. 1,687,402; Oct. 9.
- Looms, Filling-feeler mechanism for. J. Northrop. 1,662,393; Mar. 13.
- Looms, for weaving, Picking mechanism for. E. Hollingworth. 1,689,723; Oct. 30.
- Looms, for weaving, Picking motion for. A. Cass. 1,687,857; Oct. 16.
- Looms, for weaving pile or other fabrics, Needle-guiding device for. F. W. Austin. 1,664,014; Mar. 27.
- Looms, for weaving, Regulating the tension of warps in. E. Hollingworth. 1,695,376; Dec. 18.
- Looms, for weaving, Shedding mechanism for. J. H. and T. Hindle. 1,687,865; Oct. 16.
- Looms, for weaving, Weighing motion of. W. Gledhill. 1,689,870; Oct. 30.
- Looms, Harness frame for. R. J. Bartholomew. 1,659,760; Feb. 21.
- Looms, Harness hook for. B. Hetherington. 1,684,733; Sept. 18.
- Looms, Harness mechanism for. J. Lucas. 1,662,931; Mar. 20.
- Looms, Harness motion for. W. M. Wattie. 1,691,143; Nov. 13.
- Looms, Head motion for. C. L. Hussey and W. H. Stebbins. 1,691,156; Nov. 13.
- Looms, Harness-operated stop-motion device for. J. Magina. 1,664,520; Apr. 3.
- Looms, Harness strap for. K. A. Stocker. 1,672,505; June 5.
- Looms, Hook mounting for pile-wire-controlling mechanism for. W. E. Smith. 1,683,495; Sept. 4.
- Looms, Jacquard mechanism for. E. J. Dacey. 1,674,854; June 26.
- Looms, Lay for. E. H. Ryon. 1,691,132; Nov. 13.
- Looms, Lay motion for. W. H. Baker. 1,683,324; Sept. 4.
- Looms, Lay sword for. S. O. Deane. 1,669,389; May 8.
- Looms, Leno motion for. H. A. Davis. 1,687,363; Oct. 9.
- Looms, Let-off and tension mechanism for narrow-ware. C. A. Steere. 1,679,634; Aug. 7.
- Looms, Let-off for. W. P. Bodie. 1,659,236; Feb. 14.
- Looms, Let-off for. K. Sakamoto. 1,667,221; Apr. 24.
- Looms, Let-off for terry. H. A. Davis. 1,666,872; Apr. 17.
- Looms, Let-off mechanism for. C. H. Draper. 1,670,655; May 22.
- Looms, Let-off mechanism for. I. O. Hucks. 1,691,884; Nov. 13.
- Looms, Let-off mechanism for. J. Northrop. 1,670,633; May 22.
- Looms, Let-off motion in weaving. K. Toyoda. 1,689,506; Oct. 30.
- Looms, Needle motion for Axminster. W. W. Robertson. 1,695,388; Dec. 18.
- Looms, Needle-weaving attachment for webbing. F. E. and W. A. Fowler. 1,659,728; Feb. 21.
- Looms, Pick and pick motion for. A. A. Gordon. 1,663,939; Mar. 27.
- Looms, Pick-out device for. O. V. Payne. 1,695,385; Dec. 18.
- Looms, Picker mechanism for. C. D. Brown. 1,676,214; July 3.
- Looms, Picker-rod lubricator for. O. V. Payne. 1,695,386; Dec. 18.
- Looms, Picker-stick check for. A. N. Reeves. 1,658,497; Feb. 7.
- Looms, Picker-stick-controlling means for. J. Northrop. 1,678,263; July 24.
- Looms, Picking motion for. C. L. May. 1,679,617; Aug. 7.
- Looms, Pile-cutting mechanism for double-fabric. W. W. Robertson. 1,695,289; Dec. 18.
- Looms, Pile-wire-controlling mechanism for. W. E. Smith. 1,664,327; Mar. 27.
- Looms, Reed adjustment for. W. H. Wakefield. 1,683,216; Sept. 4.
- Looms, Revoking mechanism for automatic. A. A. Gordon and A. F. Morrell. 1,663,940; Mar. 27.
- Looms, Selvage-relieving mechanism for. E. A. Cuniff. 1,666,960; Apr. 24.
- Looms, Shedding motion for circular. S. Toyoda. 1,691,314; Nov. 13.
- Looms, Shuttle-box motion for. A. Barbier. 1,660,985; Feb. 28.
- Looms, Shuttle-box tension-controlling mechanism for. J. Northrop. 1,661,338; Mar. 6.
- Looms, Shuttle-box tension-controlling mechanism for. J. Northrop. 1,674,257; June 19.
- Looms, Shuttle-changing apparatus for automatic. K. Toyoda. 1,667,572; Apr. 24.
- Looms, Shuttle-checking mechanism for. G. E. Geoghegan. 1,666,620; Apr. 17.
- Looms, Shuttle controlling mechanism for tension-. C. H. Draper. 1,666,443; Apr. 17.
- Looms, Shuttle-driving mechanism for narrow-ware. E. R. Holmes. 1,668,150; May 1.
- Looms, Shuttle-thread tension for replenishing. W. A. Tebo. 1,678,610; July 24.
- Looms, Slide-slip weft detector for. V. H. Jennings. 1,695,377; Dec. 18.
- Looms, Slide-slipping weft detector for. A. Cederlund. 1,695,365; Dec. 18.
- Looms, Slide-slipping weft detector for. O. V. Payne. 1,695,384; Dec. 18.
- Looms, Slide cradle for weft-replenishing. H. H. Watson. 1,663,930; Mar. 27.
- Looms, Spool for Axminster. W. H. Wilson. 1,683,224; Sept. 4.
- Looms, Stop motion for. P. C. Hering. 1,677,085; July 10.
- Looms, Stop motion for. D. E. Skedgell. 1,681,887-8; Aug. 21.
- Looms, Stop motion for. W. E. Smith. 1,693,498; Nov. 27.
- Looms, Stopping device for. S. Brügger. 1,688,782; Oct. 23.
- Looms, Take-up mechanism for. C. H. Draper. 1,672,204; June 5.
- Looms, Taking-up device for circular. S. Toyoda. 1,689,507; Oct. 30.
- Looms, Thread-clamping mechanism for. A. C. Varnum and J. E. Birdsall. 1,655,882; Jan. 10.
- Looms, Thread-control attachment for. A. C. P. Russen. 1,676,803; July 10.
- Looms, Thread cutter for. W. Y. Robb. 1,689,688; Oct. 30.
- Looms, Thread cutter for weft-replenishing. A. J. Chevrete. 1,662,235; Mar. 13.
- Looms, Thread cutter for weft-replenishing. H. J. Hook. 1,689,724; Oct. 30.
- Looms, Thread cutter for weft-replenishing. W. H. Wakefield. 1,689,704; Oct. 30.
- Looms, Tube frame for Axminster. J. G. Soderberg, G. D. Lockwood, and W. W. Robertson. 1,662,212; Mar. 13.
- Looms, Tube frame for tufted-pile-fabric. E. F. Clark. 1,662,563; Mar. 13.
- Looms, Warp-let-off mechanism for. J. Bernini. 1,695,361; Dec. 18.
- Looms, Warp stop mechanism for. H. A. Davis. 1,693,776; Dec. 4.
- Looms, Warp stop mechanism for. R. C. Hunter. 1,687,477; Oct. 9.
- Looms, Warp stop motion for. J. Northrop. 1,662,033; Mar. 6.
- Looms, Weft-parter device for. E. Herring. 1,656,437; Jan. 17.
- Looms, Weft-replenishing magazine for multishuttle. A. J. Chevrete and V. H. Jennings. 1,689,716; Oct. 30.
- Looms, Weft-replenishing mechanism for. S. A. Nelson. 1,679,622; Aug. 7.
- Looms, Weft-replenishing mechanism for automatic. A. A. Gordon. 1,674,861; June 26.
- Looms, Weft stop mechanism for. E. Guilbert, jr. 1,662,499; Mar. 13.
- Looms, Weft stop mechanism for. G. W. Shackleton. 1,654,997; Jan. 3.
- Looms, Weft-thread cutter for automatic. J. Demaine. 1,657,201; Jan. 24.
- Looms, Wire-carriage-release dog for pile-wire-controlling mechanism for. W. E. Smith. 1,665,147; Apr. 3.
- Looms, Wire motion for pile-wire. W. W. Robertson. 1,668,126; May 1.
- Looms, Yarn-tube frame for. J. G. Soderberg and W. W. Robertson. 1,663,924; Mar. 27.
- Loop for bird-cage stands. L. J. Leon. Des. 76,692-3; Oct. 23.
- Loop for bird-cage stands. L. J. Leon. Des. 76,758; Oct. 30.
- Loop for garments, etc., Supporting. R. E. Garrett. 1,677,078; July 10.
- Loop, Garment. J. M. Clark. 1,676,770; July 10.
- Looper, Circular. M. Köhler. 1,679,428; Aug. 7.
- Looper for hosiery. M. L. Victorius. 1,689,465; Oct. 30.
- Looping and guiding device for rolling mills. R. B. Hancock. 1,679,304; July 31.
- Loose-leaf assembly. L. Middleditch. 1,669,528; May 15.
- Loose-leaf devices, Partition sheet for. A. M. Martin. 1,663,017; Mar. 20.
- Loose leaf to be used with a carbon for bookkeeping machines or the like. J. Müller. 1,656,866; Jan. 17.
- Lorgnette. G. L. Hamilton. 1,670,350; May 22.

- Lost-ball indicator. S. J. Bens. 1,664,397; Apr. 3.
 Lotion, Hair. M. M. McDaniel. 1,682,230; Aug. 28.
 Lotting machine. T. Nose. 1,661,048; Feb. 28.
 Loud speaker. N. Baldwin. 1,683,946; Sept. 11.
 Loud speaker. N. Baldwin. 1,687,359; Oct. 9.
 Loud speaker. M. Borris. Des. 74,164; Jan. 3.
 Loud speaker. P. H. Brace. 1,685,979; Oct. 2.
 Loud speaker. B. E. Colburn. Des. 74,170; Jan. 3.
 Loud speaker. J. Depew. 1,658,479; Feb. 7.
 Loud speaker. H. M. Dressel. 1,666,198; Apr. 17.
 Loud speaker. W. F. Ewald. 1,683,879; Sept. 11.
 Loud speaker. H. L. Faison. Des. 75,617; June 26.
 Loud speaker. C. L. Farrand, E. Ross, and P. F. Godley. 1,656,579; Jan. 17.
 Loud speaker. F. O. Farwell. Re17,024; July 3.
 Loud speaker. F. O. Farwell. 1,674,323; June 19.
 Loud speaker. L. Fleischmann. 1,687,011; Oct. 9.
 Loud speaker. J. A. Glassman. 1,662,742; Mar. 13.
 Loud speaker. R. Y. Günther. Des. 75,558; June 19.
 Loud speaker. L. D. Harris. 1,666,854; Apr. 17.
 Loud speaker. H. Heller. Des. 75,561-2; June 19.
 Loud speaker. W. F. Hendry. 1,671,639; May 29.
 Loud speaker. V. Himmer. Des. 74,792; Mar. 27.
 Loud speaker. A. A. Kent. 1,673,461; June 12.
 Loud speaker. R. T. Kingsford. 1,672,493; June 5.
 Loud speaker. J. M. Marks. Des. 76,028; Aug. 14.
 Loud speaker. U. H. McNeil and F. G. Pearce. 1,661,541; Mar. 6.
 Loud speaker. A. Nyman. 1,695,779; Dec. 18.
 Loud speaker. C. W. Peterson. 1,692,762; Nov. 20.
 Loud speaker. A. F. Randall. 1,696,863; Dec. 25.
 Loud speaker. J. E. Sederholm. Des. 76,263; Sept. 4.
 Loud speaker. J. E. Sederholm. 1,695,126; Dec. 11.
 Loud speaker. L. Steinberger. Des. 74,703; Mar. 13.
 Loud speaker. W. H. Vidor. 1,686,192; Oct. 2.
 Loud speaker. R. L. Wegel. 1,659,933; Feb. 21.
 Loud speaker. R. B. Wheelan. 1,665,826; Apr. 10.
 Loud speaker, Actuating device for. C. L. Farrand and E. Ross. 1,658,802; Feb. 14.
 Loud-speaker cabinet. C. D. White. Des. 74,205; Jan. 3.
 Loud-speaker diaphragm. L. Stevens. Des. 76,266-7; Sept. 4.
 Loud-speaker diaphragm. L. Stevens. Des. 77,283; Dec. 18.
 Loud speaker, Diaphragm for a. G. R. Lum. Des. 77,165; Dec. 11.
 Loud-speaker extension. A. B. McCall. Des. 75,859; July 24.
 Loud speaker for radio receiving apparatus. A. H. Haag. 1,684,956; Sept. 18.
 Loud-speaker, gramophone, and other sound recording or reproducing apparatus. C. M. de C. de la Bourdonnais. 1,689,997; Oct. 30.
 Loud speaker or the like. P. H. Fuller. Des. 75,554; June 19.
 Loud-speaker resonator or the like. P. H. Fuller. Des. 74,364; Feb. 7.
 Loud-speaker system. F. A. Kolster. 1,675,031; June 26.
 Loud-speaker unit. P. Amato. 1,664,448; Apr. 3.
 Loud-speaker unit. H. Heller and J. C. Mitchell. 1,696,235; Dec. 25.
 Loud-speaker unit. M. R. Hutchison. 1,685,086; Sept. 25.
 Loud-speaker unit. M. A. Kennedy. 1,688,625; Oct. 23.
 Loud-speaker unit. R. B. Wheelan. 1,692,600; Nov. 20.
 Loud-speaker units, Adjustable attachment for. H. A. Smith. 1,656,023; Jan. 10.
 Loud speakers, Actuating device for. C. L. Farrand, E. Ross, and A. D. Silva. 1,671,105; May 29.
 Loud-speaking casing. C. L. Farrand. Des. 77,146; Dec. 11.
 Loud-speaking device. J. C. Benjamin. 1,664,017; Mar. 27.
 Loud-speaking receiver. C. R. Moore. 1,658,349; Feb. 7.
 Louver ventilator. R. C. and G. L. Yager. 1,677,421; July 17.
 Louvered ventilator. J. T. Hoal. 1,657,625; Jan. 31.
 Low-tire-pressure signal. J. B. Cox. 1,676,526; July 10.
 Low-water alarm. H. W. Coddington. 1,654,679; Jan. 3.
 Low-water alarm. G. W. Keller. 1,677,830; July 17.
 Low-water alarm. H. B. Thurston. 1,684,897; Sept. 18.
 Lowervator. W. H. Nutting. 1,694,515; Dec. 11.
 Lubricant and lubricating refrigerating machinery, Refrigerant. R. F. Massa. 1,696,642; Dec. 25.
 Lubricant and process, Textile. J. J. Schaefer. 1,677,852; July 17.
 Lubricant compressor. E. Piquerez. 1,655,436; Jan. 10.
 Lubricant compressor. E. Piquerez. 1,687,789; Oct. 16.
 Lubricant cup, Automatic. O. U. Zerk. 1,689,613; Oct. 30.
 Lubricant-distributing systems, Supply means for. C. C. Goodrich. 1,671,421; May 29.
 Lubricant distributor. G. A. Merkt. 1,670,471; May 22.
 Lubricant-expelling apparatus. H. J. Murphy. 1,687,779; Oct. 16.
 Lubricant-expelling device. H. J. Murphy. 1,685,408; Sept. 25.
 Lubricant from motor-vehicle lubricant-containing cases, Apparatus for forcing. H. D. Collier. 1,669,992; Apr. 24.
 Lubricant meter. O. B. Haley. 1,691,187; Nov. 13.
 Lubricant stocks, Treatment of. G. F. Olsen. 1,665,111; Apr. 3.
 Lubricant-supply system. J. R. Hege. 1,656,857; Jan. 17.
 Lubricants from vehicle motors, System for discharging. H. D. Collier. 1,659,019; Feb. 14.
 Lubricants, Method and apparatus for ejecting. W. D. Beil. 1,679,849; Aug. 7.
 Lubricating and oil-separator apparatus. S. W. Rushmore. 1,678,272; July 24.
 Lubricating and sealing system for rotary compressors. C. T. Mason. 1,676,103; July 3.
 Lubricating apparatus. H. Albertine. 1,662,842; Mar. 20.
 Lubricating apparatus. M. F. Carr. 1,658,156; Feb. 7.
 Lubricating apparatus. M. F. Carr. 1,676,424; July 10.
 Lubricating apparatus. M. F. Carr. 1,690,400; Nov. 6.
 Lubricating apparatus. P. G. Graham. 1,688,075; Oct. 16.
 Lubricating apparatus. B. F. Hubbell. 1,661,755; Mar. 6.
 Lubricating apparatus. G. Johnson. 1,685,404; Sept. 25.
 Lubricating apparatus. L. A. Larssen. 1,655,189; Jan. 3.
 Lubricating apparatus. H. J. Murphy. 1,661,905-6; Mar. 6.
 Lubricating apparatus. H. J. Murphy. 1,676,457; July 10.
 Lubricating apparatus. H. J. Murphy. 1,679,731-3; Aug. 7.
 Lubricating apparatus. H. J. Murphy. 1,679,735-8; Aug. 7.
 Lubricating apparatus. W. H. Pierce. 1,693,565; Nov. 27.
 Lubricating apparatus. J. N. Robin. 1,693,567; Nov. 27.
 Lubricating apparatus. P. Upham. 1,690,212; Nov. 6.
 Lubricating apparatus. O. Zerk. 1,672,972; June 12.
 Lubricating apparatus. O. Zerk. 1,679,512; Aug. 7.
 Lubricating apparatus. O. Zerk. 1,679,887; Aug. 7.
 Lubricating apparatus. O. Zerk. 1,692,320; Nov. 20.
 Lubricating apparatus. O. U. Zerk. 1,655,213; Jan. 3.
 Lubricating apparatus. O. U. Zerk. 1,679,888; Aug. 7.
 Lubricating apparatus, Detachable handle for. H. J. Murphy. 1,663,608; Mar. 27.
 Lubricating apparatus for danged wheels. E. Zbinden. 1,685,040; Sept. 18.
 Lubricating apparatus for stiff lubricants, Central. A. Schlosshauer. 1,677,661; July 17.
 Lubricating composition. E. A. Nill. 1,659,149; Feb. 14.
 Lubricating compound. R. P. Judd. Re16,943; Apr. 24.
 Lubricating compound and making same. S. G. Bedlovitz. 1,659,075; Feb. 14.
 Lubricating compressor, High-pressure. L. G. Trinquart. 1,662,370; Mar. 13.
 Lubricating device. F. S. Barks. 1,654,673; Jan. 3.
 Lubricating device. A. L. Bridgman. 1,682,659; Aug. 28.
 Lubricating device. D. L. Bragg. 1,668,002; May 1.
 Lubricating device. M. Christman. 1,660,433; Feb. 28.
 Lubricating device. F. C. Davis. 1,661,749; Mar. 6.
 Lubricating device. J. E. Derrick. 1,669,603; May 15.
 Lubricating device. J. W. Gardner. 1,680,869; Aug. 14.
 Lubricating device. O. J. Herb. 1,685,359; Sept. 25.
 Lubricating device. C. F. Hooper. 1,669,615; May 15.
 Lubricating device. A. G. Larson. 1,673,410; June 12.
 Lubricating device. A. L. Moler. 1,668,083; May 1.
 Lubricating device. C. T. Pfuenger. 1,685,865; Oct. 2.
 Lubricating device. W. Raeburn. 1,685,378; Sept. 25.
 Lubricating device. J. Reid. 1,689,560; Oct. 30.
 Lubricating device. J. A. Spencer. 1,681,912; Aug. 21.
 Lubricating device. F. Warren. 1,660,943; Feb. 28.
 Lubricating device. R. H. Whiteley. 1,695,750; Dec. 18.
 Lubricating device. C. L. Zabriskie. 1,686,309; Oct. 2.
 Lubricating device. C. L. Zabriskie. 1,689,186; Oct. 23.
 Lubricating device for axle boxes. I. Macway. 1,678,294; July 24.
 Lubricating device for axle journals. J. Moreau. 1,677,001; July 10.
 Lubricating device for grinding machines. J. Bath. 1,680,360; Aug. 14.
 Lubricating device for hinges of doors and windows, Automatic. I. Gonyk. 1,677,441; July 17.
 Lubricating device for motors and the like. W. Larsen. 1,661,615; Mar. 6.
 Lubricating device for picker spindles. K. J. Unwin. 1,692,968; Nov. 27.
 Lubricating device for universal joints. C. D. Cutting. 1,673,399; June 12.
 Lubricating device for windmills. F. W. Axtel. 1,660,313; Feb. 28.
 Lubricating device, Journal. A. L. Moler. 1,668,082; May 1.
 Lubricating device, Swivel-type. R. M. Schlegel. 1,688,941; Oct. 23.
 Lubricating devices, Sectional nut for. W. B. Fageol. 1,668,196; May 1.
 Lubricating friction surfaces, Method of and apparatus for. R. R. McClure. 1,678,347; July 24.
 Lubricating gun. C. W. Manzel. 1,696,497; Dec. 25.
 Lubricating gun. F. W. Parker. 1,670,210; May 15.
 Lubricating means. C. E. Bonner. 1,689,319; Oct. 30.
 Lubricating means. J. L. Creveling. 1,663,797; Mar. 27.
 Lubricating means. J. L. Creveling. 1,672,602; June 5.
 Lubricating means. J. L. Creveling. 1,682,890; Sept. 4.
 Lubricating means. R. J. Gits. 1,676,086; July 3.
 Lubricating means for antifriction bearings. F. Leister. 1,691,015; Nov. 6.
 Lubricating means for loose pulleys and the like. H. F. Gade. 1,675,703; July 3.
 Lubricating means for sewing machines. M. L. Waterman and G. A. Fleckenstein. 1,689,310; Oct. 30.
 Lubricating means for spinning and twisting frames, Ring. A. T. Matthews. 1,671,193; May 29.
 Lubricating mechanism. R. E. Langmack. 1,693,788; Dec. 4.
 Lubricating mechanism. T. Brady. 1,680,761; Aug. 14.

- Lubricating mechanism. J. W. Gardner. 1,680,870-1; Aug. 14.
- Lubricating mechanism. E. G. Gartin. 1,684,668; Sept. 18.
- Lubricating mechanism, Automatic. E. J. Serpas. Re17,073; Aug. 28.
- Lubricating mechanism, Automatic. E. J. Serpas. 1,669,351; May 8.
- Lubricating mechanism for sprocket chains. E. C. Morgan. 1,677,649; July 17.
- Lubricating mixture. A. W. Swanberg. 1,696,152; Dec. 18.
- Lubricating rapidly-revolving spindles. F. Mortensen. 1,674,605; June 19.
- Lubricating system. C. A. Bacon. 1,662,022; Mar. 6.
- Lubricating system. F. C. Blanchard. 1,685,976; Oct. 2.
- Lubricating system. J. F. Culp. 1,680,936; Aug. 14.
- Lubricating system. E. W. Davis. 1,676,386; July 10.
- Lubricating system. D. F. Fesler. 1,673,741; June 12.
- Lubricating system. D. F. Fesler. 1,682,898; Sept. 4.
- Lubricating system. H. L. Horning. 1,656,200; Jan. 17.
- Lubricating system. M. Koehler. 1,665,964; Apr. 10.
- Lubricating system. G. K. Lisk. 1,659,954; Feb. 21.
- Lubricating system. H. J. Murphy and M. F. Carr. 1,661,904; Mar. 6.
- Lubricating system. E. F. Pierce. 1,679,493; Aug. 7.
- Lubricating system. E. F. Pierce. 1,680,170; Aug. 7.
- Lubricating system. G. R. Siegrist. Re17,126; Nov. 6.
- Lubricating system. R. H. White. 1,693,214; Nov. 27.
- Lubricating system. T. C. Whitehead. 1,672,360; June 5.
- Lubricating system. F. D. Winkley. 1,658,217; Feb. 7.
- Lubricating system. O. Zerk. 1,688,571; Oct. 23.
- Lubricating system and apparatus. H. J. Murphy. 1,679,734; Aug. 7.
- Lubricating system, Automobile chassis. G. A. Jamerson. 1,690,490; Nov. 6.
- Lubricating system, Engine. E. Frederick. 1,674,103; June 19.
- Lubricating system, Engine. S. W. Rushmore. 1,694,518; Dec. 11.
- Lubricating system for gyroscopes and other apparatus. C. M. Paxton. 1,687,632; Oct. 16.
- Lubricating system for internal-combustion engines. F. E. Lonas. 1,686,824; Oct. 9.
- Lubricating system for internal-combustion engines. S. W. Rushmore. 1,689,752; Oct. 30.
- Lubricating system for internal-combustion engines. A. E. Winckler. 1,691,322; Nov. 13.
- Lubricating system for locomotives. W. J. Schlacks. 1,671,320; May 29.
- Lubricating system for traveling blocks including sheaves. L. E. Fishback. 1,668,497; May 1.
- Lubricating system, Journal. C. J. Struve. 1,679,590; Aug. 7.
- Lubricating systems, Method and control device for. F. E. Buxton. 1,687,827; Oct. 16.
- Lubricating systems, Safety device for. E. H. Strong. 1,682,257; Aug. 28.
- Lubrication and apparatus therefor. L. S. Watres. 1,694,153; Dec. 4.
- Lubrication indicator. M. Smitley. 1,661,312; Mar. 6.
- Lubrication indicator, Automobile. L. T. McMenemy. 1,694,102; Dec. 4.
- Lubrication, Machine. N. M. Baker. 1,679,199; July 31.
- Lubrication of brake shafts. H. Morgan. 1,686,025; Oct. 2.
- Lubrication of mechanism. G. Wisner. 1,672,922; June 12.
- Lubrication of molds. S. A. Bisey. 1,660,112; Feb. 21.
- Lubrication of single-sleeve engines. A. A. Woodward. 1,684,463; Sept. 18.
- Lubrication of sleeve-principle engines. R. B. Fisher. 1,687,494; Oct. 16.
- Lubrication of textile machines. Dry. J. Spalding. 1,694,148; Dec. 4.
- Lubrication system. T. P. Smith. 1,691,214; Nov. 13.
- Lubricator: See—
- By-pass lubricator. Oil lubricator.
- Compressor lubricator. Pin lubricator.
- Cylinder lubricator. Self-feeding lubricator.
- Engine lubricator. Spring-actuated lubricator.
- Feed lubricator. Spring lubricator.
- Friction-guide lubricator. Superpressure lubricator.
- Hub-liner lubricator. Valve-stem lubricator.
- Journal lubricator. Wire-line lubricator.
- Lubricator. H. T. Arendale. 1,656,808; Jan. 17.
- Lubricator. F. S. Barks. 1,673,134; June 12.
- Lubricator. F. C. Blanchard. 1,655,779; Jan. 10.
- Lubricator. F. C. Blanchard. 1,676,473; July 10.
- Lubricator. F. C. Blanchard. 1,680,278; Aug. 14.
- Lubricator. O. E. Clark. 1,666,959; Apr. 24.
- Lubricator. M. J. Fowler. 1,694,813; Dec. 11.
- Lubricator. P. W. Gates. 1,667,849; May 1.
- Lubricator. J. J. Hennessy. 1,658,196; Feb. 7.
- Lubricator. J. J. Hennessy. 1,661,800; Mar. 6.
- Lubricator. J. J. Hennessy. 1,692,258; Nov. 20.
- Lubricator. G. A. Jamerson. 1,690,630; Nov. 6.
- Lubricator. N. K. Klauset. 1,678,731; July 31.
- Lubricator. J. E. MacIndoe. 1,675,189; June 26.
- Lubricator. L. H. Miller. 1,686,872; Oct. 9.
- Lubricator. P. A. Nelson. 1,660,087; Feb. 21.
- Lubricator. C. E. Padilla. 1,681,645; Aug. 21.
- Lubricator. E. F. Terry, jr. 1,688,946; Oct. 23.
- Lubricator and feeder for engines, Fluid-operable. F. K. Murphy and R. W. Retterer. Re17,110; Oct. 23.
- Lubricator for chains, Mechanical. D. B. Perry. 1,687,688; Oct. 16.
- Lubricator for driving wheels of locomotives, Automatic. W. A. O'Toole. 1,670,820; May 22.
- Lubricator for rock drills. A. H. Katterjohn. 1,693,203; Nov. 27.
- Lubricators, Automatic feed control for. F. B. Farnsworth. 1,656,108; Jan. 10.
- Lubricators, Forming. E. F. Terry, jr. 1,657,597; Jan. 31.
- Lug cap. G. Ramsey. 1,659,703; Feb. 21.
- Lug cap and liner plate, Combined. C. Hammer. 1,683,388; Sept. 4.
- Lug, Tie. J. A. Lynch. 1,684,136; Sept. 11.
- Lug wheel, Reversible. L. E. Slauson. 1,674,803; June 26.
- Luggage carrier. W. Henry. 1,686,450; Oct. 2.
- Luggage carrier and bumper. W. E. Malm. 1,661,486; Mar. 6.
- Luggage carrier, Automobile. H. T. Hoag. 1,671,367; May 29.
- Luggage carrier, Pivoted. F. J. Laher. 1,667,208; Apr. 24.
- Luggage carrier, table, and bench, Combination. G. O. J. S., and J. C. Mackie. 1,684,039; Sept. 11.
- Luggage-carrying attachment for use with motor and other vehicles, Collapsible. D. W. Isaacs. 1,692,085; Nov. 20.
- Lumber carriers, Load binder for. J. S. Eastham. 1,676,638; July 10.
- Lumber, Composite. W. A. Houston. 1,655,699; Jan. 10.
- Lumber drier. J. E. Kocha. 1,658,684; Feb. 7.
- Lumber, Method and apparatus for unstacking. J. M. and J. M. Leaver, jr. 1,676,957; July 10.
- Lumber, Patch for. C. C. Spreen. 1,669,541; May 15.
- Lumber-repairing machine, Defective. H. E. Leash. 1,685,366; Sept. 25.
- Lumber roller. C. F. Higgins. 1,660,967; Feb. 28.
- Lumber-stamping device. J. J. Rettmer. 1,665,220; Apr. 10.
- Luminaire. P. W. Berry. 1,683,599; Sept. 11.
- Luminaire. W. A. Dorey and W. A. Ingler. 1,683,609; Sept. 11.
- Luminaire. W. A. Dorey. 1,674,164-5; June 19.
- Luminaire, Metal collar for. W. A. Ingler. 1,680,788; Aug. 14.
- Luminescent tube. R. H. Rundle. 1,680,572; Aug. 14.
- Luminous rays, Means to influence. A. Meissner. 1,694,661; Dec. 11.
- Lures to fishhooks and the like, Attachment for securing. J. E. Pfeuger. 1,654,830; Jan. 3.
- M-dinitrobenzene from its isomers, Separation of. H. J. Welland and I. Gubelmann. 1,665,005; Apr. 3.
- Macaroni die. M. Tanzl. 1,685,249; Sept. 25.
- Machine and drying crinkled paper. W. A. Lorenz. 1,685,427; Sept. 25.
- Machine and method for drying macaroni. A. E. Broughton. 1,676,474; July 10.
- Machine and method for use in shaping uppers. B. Jorgensen. 1,667,789; May 1.
- Machine and process for knitting plaited. W. L. Houseman. 1,661,427; Mar. 6.
- Machine and process for removing excess molten material. H. W. Pleister. 1,662,537; Mar. 13.
- Machine and system of transmission. Quick-excited. R. D. Evans, C. F. Wagner, A. D. Dovjikov, and E. B. Shand. 1,692,495; Nov. 20.
- Machine, Bag-closing. T. Allatt. Re16,897; Mar. 13.
- Machine, Biscuit cutting and embossing. T. L. Green. 1,660,552; Feb. 28.
- Machine, Biscuit cutting and embossing. T. L. Green and C. H. Williams. 1,660,553; Feb. 28.
- Machine, Dipping and painting. S. Maggi. 1,681,301; Aug. 21.
- Machine drive and feed, Duplicating. L. K. Aldrich. 1,681,652; Aug. 21.
- Machine for affixing sheets of paper or the like to boards, cards, or like mounts. W. D. Ratcliff. 1,669,488; May 15.
- Machine for and method of heel-seat fitting. F. F. Joyce. 1,688,462; Oct. 23.
- Machine for and method of making can-opening keys and attaching the same. F. P. McColl. 1,669,833; May 15.
- Machine for applying adhesive stamps to envelopes and the like. R. Mohr. 1,661,005; Feb. 28.
- Machine for applying adhesive strips to soles. C. Hunt. 1,687,565; Oct. 16.
- Machine for applying belt fasteners and the like. J. K. Diamond. 1,657,616; Jan. 31.
- Machine for applying belt fasteners and the like. J. K. Diamond. 1,689,012; Oct. 23.
- Machine for applying capsules. C. H. Oslund and J. E. Johnson. 1,672,278; June 5.
- Machine for applying closure caps to receptacles. J. E. Sharp. 1,674,266; June 19.
- Machine for applying handles to baskets and the like. E. M. Versaw. 1,665,334; Apr. 10.
- Machine for applying paste to paper sheets. S. Lovenwirth. 1,681,992; Aug. 28.
- Machine for applying solder to pins. A. E. Gibson. 1,688,490; Oct. 23.
- Machine for assembling and mounting articles. A. Latham, by J. W. Nourbourn. 1,681,244; Aug. 21.
- Machine for assembling spoked wheels. W. N. Booth. 1,662,412; Mar. 13.

- Machine for assorting and counting coins. E. P. Donnellan. 1,655,412; Jan. 10.
- Machine for attaching reinforcing strips to knitted fabrics. I. Cohen. 1,672,021; June 5.
- Machine for baking pastry. J. T. Turner. 1,672,551; June 5.
- Machine for bending armature conductors. G. W. Elsey. 1,690,336; Nov. 6.
- Machine for bending armature terminals. V. G. Apple. Re16,889; Feb. 28.
- Machine for bending bars. V. M. Witmer. 1,695,836; Dec. 18.
- Machine for beveling the edges of leather or similar material. G. J. Gorsuch. 1,694,379; Dec. 11.
- Machine for bookkeeping and the like. T. E. Ellasson. 1,670,027; May 15.
- Machine for boring tapering holes. C. D. McArthur. 1,668,119; May 1.
- Machine for bundling-currency. F. W. Chase. 1,665,731; Apr. 10.
- Machine for bundling paper currency. F. W. Chase. 1,665,730; Apr. 10.
- Machine for calculating moments of inertia. A. Koronski and R. H. Heacock. 1,670,512; May 22.
- Machine for casting curved stereoplates. C. Winkler. 1,694,299; Dec. 4.
- Machine for casting stereotype plates. C. Winkler. 1,686,429; Oct. 2.
- Machine for casting stereotype plates having a mold adapted to be pressed against the outlet opening of the pot. E. Müller. 1,681,872; Aug. 21.
- Machine for charging and discharging annealing ovens, etc. H. E. Edwards. 1,683,370; Mar. 20.
- Machine for cleaning and blending stock. E. A. Turner. 1,657,980; Jan. 31.
- Machine for cleaning and disinfecting substances. G. W. Warmoth. 1,672,105; June 5.
- Machine for cleaning dust-collector tubes. V. B. McLean. 1,688,936; Oct. 23.
- Machine for cleaning cotton, cotton waste, and like fibrous materials. F. Quinn. 1,661,089; Feb. 28.
- Machine for cleaning hair and other filamentary material. C. H. Donner. 1,668,891; Apr. 24.
- Machine for cleaning the stems of tobacco leaves. M. G. P. Phillips. 1,676,047; July 3.
- Machine for closing the fold of a sheet of metal. T. J. Kelleher. 1,694,596; Dec. 11.
- Machine for coating objects. J. Franz. 1,664,505; Apr. 3.
- Machine for coating or incrusting confectionery, biscuits, and the like. O. Kremmling. 1,673,686; June 12.
- Machine for comminuting coal and creating a draft to feed the comminuted coal. P. L. Crowe. 1,668,356; May 1.
- Machine for compacting and solidifying concrete and other plastic material. R. C. Stubbs. 1,657,727; Jan. 31.
- Machine for comparing punched cards. H. A. Weinlich. 1,664,533; Apr. 3.
- Machine for converting rotary into reciprocating motion. J. A. Lund. 1,655,151; Jan. 3.
- Machine for copying by the hectograph principle. W. E. Williams. 1,667,917; May 1.
- Machine for counterboring brake linings and the like. G. B. Cady. 1,665,771; Apr. 10.
- Machine for countersinking pipe couplings. A. Bries and R. Callow. 1,686,841; Oct. 9.
- Machine for crimping plastic caps on bottles. R. E. Rundell. 1,660,848; Feb. 28.
- Machine for crushing and shredding sugar cane and like material. F. Maxwell. 1,690,828; Nov. 6.
- Machine for cutting and sifting sand. V. E. Minich. E. A. Rich, jr., and R. H. Moore. 1,659,211; Feb. 14.
- Machine for cutting and weighing strip material. A. O. Abbott, jr., and C. M. Sloman. 1,668,038; May 1.
- Machine for cutting compound curves. R. W. Brown. 1,680,853; Aug. 14.
- Machine for cutting designs in furs. F. W. Horstmann. 1,681,919; Aug. 21.
- Machine for cutting fish. A. R. Rogers. 1,667,437; Apr. 24.
- Machine for cutting gear teeth. W. E. Sykes. 1,694,041-2; Dec. 4.
- Machine for cutting irregular shapes. R. E. Weinert. 1,671,499; May 29.
- Machine for cutting match splints. S. E. Rahe. 1,693,937; Dec. 4.
- Machine for cutting off and preparing stock strips. T. A. Beaney. 1,676,883; July 10.
- Machine for cutting off and skiving stock. T. A. Beaney. 1,675,875; July 3.
- Machine for cutting off pipes and the like. H. W. Oster and G. D. Sleeth. 1,669,911; May 15.
- Machine for cutting off stock. T. A. Beaney. 1,693,361; Nov. 27.
- Machine for cutting oil grooves. E. P. Sacrey. 1,675,136; June 26.
- Machine for cutting oil grooves and the like. R. F. Watson. 1,658,470; Feb. 7.
- Machine for cutting openings for fasteners in metal sheets to be used as forms for making concrete fence posts. J. Darling. 1,667,196; Apr. 24.
- Machine for cutting sheet-form material. C. B. Gray. 1,656,323; Jan. 17.
- Machine for cutting textile fabrics. J. Leiper. 1,661,765; Mar. 6.
- Machine for cutting to length continuously-forming tubing. J. W. Moon. 1,681,306; Aug. 21.
- Machine for cutting up scrap steel. H. T. Harrison. 1,656,063; Jan. 10.
- Machine for decorticating, scouring, and polishing cereals. W. Lee. 1,693,847; Dec. 4.
- Machine for delivering articles. S. H. Varndell. 1,672,236; June 5.
- Machine for delivering articles in measured quantities. J. M. Clavin and J. W. Lease. 1,671,700; May 29.
- Machine for deposition of coating. R. G. Fordyce. 1,658,765; Feb. 7.
- Machine for detreading tire carcasses. K. W. Liebau. 1,668,214; May 1.
- Machine for developing sensitized papers. K. Murck. 1,669,066; May 8.
- Machine for die casting pulleys and the like. W. D. Hamerstadt. 1,664,296; Mar. 27.
- Machine for digging pit silos and cisterns. C. H. Huenefeld and G. Campbell. 1,691,809; Nov. 13.
- Machine for dispensing oil. R. V. Jones. 1,687,838; Oct. 16.
- Machine for dispensing paper towels. E. Harralson. 1,683,719; Sept. 11.
- Machine for displaying advertisements, posters, pictures, show cards, and the like, Automatic. W. Thorpe. 1,696,655; Dec. 25.
- Machine for distributing artificial manure and the like. J. A. H. Hov. 1,672,065; June 5.
- Machine for distributing chips, gravel, sand, and the like. Road. W. S. Hammaker. 1,656,631; Jan. 17.
- Machine for distributing concrete. H. Everist. 1,693,198; Nov. 27.
- Machine for distributing fertilizer, seeds, and grain. R. Bergerioux. 1,682,825; Sept. 4.
- Machine for dividing and working dough. W. Mohr. 1,664,372; Mar. 27.
- Machine for doubling metal plates. G. D. Morrison. 1,674,478; June 19.
- Machine for drawing out the yarn from textile fabrics for the production of openwork. J. B. Durupt. 1,666,812; Apr. 17.
- Machine for drawing wool or other textile fiber materials. G. Heintze. 1,672,527; June 5.
- Machine for drilling and countersinking brake linings. R. Brandt. 1,678,207; July 24.
- Machine for drilling, tapping, and the like. P. Meyer. 1,696,550; Dec. 25.
- Machine for driving nuts, screws, and the like. E. L. Connell. 1,667,718; May 1.
- Machine for drying fabrics and papers in an endless web. A. Lambrette. 1,692,129; Nov. 20.
- Machine for drying veneers. L. Rubinstein. 1,694,489; Dec. 11.
- Machine for effecting systematic irregularities in the reproduction of objects. L. E. Topham. 1,681,960; Aug. 28.
- Machine for electrical-resistance welding of sheet-metal pipe. F. L. Williams. 1,689,374; Oct. 30.
- Machine for embroidering, sewing, and openwork stitching, of the crank type. F. Morel. 1,670,978; May 22.
- Machine for erecting walls of brick and the like. S. Kaye. 1,686,279; Oct. 2.
- Machine for expanding sheet metal. F. C. Arey. 1,674,613; June 19.
- Machine for expressing juice from fruit, chopping meat, etc. A. F. Kaptuller. 1,693,757; Dec. 4.
- Machine for extracting juice from fruit. B. H. Divine. 1,696,390; Dec. 25.
- Machine for extruding tubular articles. C. T. Dickey. 1,679,350; Aug. 7.
- Machine for facilitating the removal of tires from rims. E. T. Turner. 1,656,964; Jan. 24.
- Machine for feeding and shaping articles. J. E. Troust. 1,655,684; Jan. 10.
- Machine for feeding blanks. H. S. Labombarde. 1,693,928; Dec. 4.
- Machine for feeding headed blanks. J. M. Lynch and W. S. Gilmour. 1,687,134; Oct. 9.
- Machine for feeding headed blanks. J. M. Lynch and W. S. Gilmour. 1,692,456; Nov. 20.
- Machine for filling molds. E. O. Beardsley and W. F. Piper. 1,667,097; Apr. 24.
- Machine for finishing book covers by lining, lettering, or ornamenting. H. Dunn. 1,676,892; July 10.
- Machine for finishing floors. E. F. Wendig. 1,687,998; Oct. 16.
- Machine for finishing glass tubes, bars, vials, bottles, and the like. L. J. Broche. 1,664,154; Mar. 27.
- Machine for finishing textile fabrics. A. Crompton. 1,682,487; Aug. 28.
- Machine for fixing clasps. P. Switzeny. 1,687,906; Oct. 16.
- Machine for fattening tubular materials. F. Palmer. 1,661,908; Mar. 6.
- Machine for fleshing furred skins. R. Olds. 1,664,991; Apr. 3.
- Machine for folding and securing box-cover margins. H. Bridgman. 1,657,954; Jan. 31.
- Machine for folding napkins. A. Groff. 1,671,716; May 29.
- Machine for folding the edges of textile and similar articles. E. B. Roby. 1,679,375; Aug. 7.

- Machine for forming and baking pastry shells. C. R. Carpenter. 1,674,033; June 19.
- Machine for forming articles from sheet material. H. E. Luckert. 1,659,162; Feb. 14.
- Machine for forming bag bottoms in bag tubes. J. Duvall. 1,690,626; Nov. 6.
- Machine for forming balls. G. O. Hodge. 1,665,361; Apr. 10.
- Machine for forming beaded hoops from flat metal strips. A. J. Neubengen. 1,656,445; Jan. 17.
- Machine for forming, bending, folding, and shaping heavy metal sheets. C. G. Hawley. 1,676,733; July 10.
- Machine for forming book end sections. S. Smith. 1,688,666; Oct. 23.
- Machine for forming cylindrical cams. A. L. De Leeuw. 1,671,353; May 29.
- Machine for forming fabric structures. G. E. Bull. 1,690,100; Nov. 6.
- Machine for forming glass articles. J. E. McLaughlin. 1,692,680; Nov. 20.
- Machine for forming glass vials. R. H. Koenig. 1,688,190; Oct. 16.
- Machine for forming helical channels. W. Eisenberg. 1,684,310; Sept. 11.
- Machine for forming internal grooves in gears, etc. J. Laessker. 1,687,252; Oct. 9.
- Machine for forming plastic material. L. B. Miller. 1,657,442; Jan. 24.
- Machine for forming plastic tile. H. Brock. 1,694,579; Dec. 11.
- Machine for forming reinforcement supports. T. H. Eickhoff. 1,683,610; Sept. 11.
- Machine for forming sheets of insulating material. C. M. Clarke. 1,659,240; Feb. 14.
- Machine for forming shingles. F. W. Preston. 1,690,908; Nov. 6.
- Machine for forming spherical solid-rubber balls. T. Mulholland. 1,681,249; Aug. 21.
- Machine for gathering sheaves in the form of cylindrical hollow bundles from mowed grasses, cereals, or the like. V. I. Pettersson. 1,656,336; Jan. 17.
- Machine for generating and marking cams. K. Tessky. 1,689,370; Oct. 30.
- Machine for grinding crank pins. P. Stoner. 1,658,539; Feb. 7.
- Machine for grinding fluted tools. B. M. W. Hanson. 1,687,725; Oct. 16.
- Machine for grinding gears. B. M. W. Hanson. 1,693,781; Dec. 4.
- Machine for grinding or cutting stone. J. Wegner. 1,696,660; Dec. 25.
- Machine for hanging wall paper. W. A. Cole. 1,695,915; Dec. 18.
- Machine for heading blanks. P. H. McCain. 1,690,419; Nov. 6.
- Machine for hobbing or cutting gears. C. H. Schurr. 1,677,853; July 17.
- Machine for incorporating stiffeners in boots and shoes. F. Ricks. 1,687,514; Oct. 16.
- Machine for inspecting and bundling cloth. A. Sommaripa and L. G. Roberts. 1,696,287; Dec. 25.
- Machine for inspecting involute curves. E. W. Miller. 1,680,563; Aug. 14.
- Machine for intelligence tests. S. L. Pressey. 1,670,480; May 22.
- Machine for investigating the properties of tires under loads. V. L. Smithers. 1,678,363; July 24.
- Machine for knitting split fabric. A. Gagné. 1,673,764; June 12.
- Machine for knitting thickened-wale fabrics. R. W. Scott. 1,672,177; June 5.
- Machine for labeling circular articles. W. B. Bronander. 1,675,692; July 5.
- Machine for laying bricks. R. G. Cottler. 1,666,555; Apr. 17.
- Machine for loading and unloading ships. B. N. Davis. 1,666,995; Apr. 24.
- Machine for loading firecrackers. D. E. Mulcahy and R. C. Hitt. 1,672,771; June 5.
- Machine for making absorbent rolls. E. E. Glomstead and J. A. Williamson. 1,693,749; Dec. 4.
- Machine for making actuating members for steering gears. D. E. Ross. 1,687,259; Oct. 9.
- Machine for making and applying tufts and the like. R. E. Walleser. 1,660,536; Feb. 28.
- Machine for making and filling bags. A. M. Bates. 1,686,787; Oct. 9.
- Machine for making and finishing glass bars, rods, tubes, bottle necks, and the like. L. J. Broche. 1,675,156; June 26.
- Machine for making articles composed of wire rings or links. F. A. K. Rolle. 1,688,988; Oct. 23.
- Machine for making artificial flowers. M. Robinson. 1,678,482; July 24.
- Machine for making asphalt shingles. R. T. Johnston. 1,668,563; May 8.
- Machine for making automobile doors. W. H. D'Ardenne. 1,693,643; Dec. 4.
- Machine for making baskets. E. Craig. 1,675,094; June 26.
- Machine for making billiard chalk or the like. J. W. Bishop. 1,659,077; Feb. 14.
- Machine for making book covers. J. V. White. 1,691,691; Nov. 13.
- Machine for making caps. C. Hammer. 1,671,990; June 5.
- Machine for making cardboard and similar boxes. N. P. Andrew, W. L. Macfie, and R. W. Rose. 1,692,534; Nov. 20.
- Machine for making concrete roadways. A. E. Schutte. 1,670,785; May 22.
- Machine for making corrugated fasteners. C. O. Swenson. 1,682,862; Sept. 4.
- Machine for making corrugated fasteners. C. O. Swenson. 1,682,864; Sept. 4.
- Machine for making covered boxes. A. F. Jones. 1,677,390; July 17.
- Machine for making display cards. G. Gray, jr. 1,661,658; Mar. 6.
- Machine for making dry-cell elements. R. Baillie and M. A. Adam. 1,666,067; Apr. 17.
- Machine for making elastic paper. W. A. Lorenz. 1,667,292; Apr. 24.
- Machine for making elastic paper. W. A. Lorenz. 1,689,037; Oct. 23.
- Machine for making elastic paper. W. A. Lorenz. 1,690,172; Nov. 6.
- Machine for making fiber reed. E. F. Baldwin and F. E. Woods. 1,680,358; Aug. 14.
- Machine for making filamentary bodies. J. W. Ekstedt. 1,670,499; May 22.
- Machine for making flexible pads. O. G. Schmitt. 1,692,387; Nov. 20.
- Machine for making glass containers. W. E. Glaspey. 1,657,921; Jan. 31.
- Machine for making glass containers. W. E. Glaspey. 1,695,894; Dec. 18.
- Machine for making hairpins. H. V. Glove. 1,691,516; Nov. 13.
- Machine for making hat linings. M. Cohn. 1,695,273; Dec. 18.
- Machine for making hollow concrete blocks and the like. V. Dahl. 1,656,097; Jan. 10.
- Machine for making hollow tubes or conductors. J. Zagorski. 1,692,529; Nov. 20.
- Machine for making hot-pressed nuts. C. F. Newpher. 1,696,887; Dec. 25.
- Machine for making lock-joint tubing. F. W. Schneible. 1,681,880; Aug. 21.
- Machine for making mandrels. C. E. Lowe. 1,662,428; Mar. 13.
- Machine for making match books. J. C. Donnelly. 1,676,009; July 3.
- Machine for making match cards. S. E. Rahe. 1,693,938; Dec. 4.
- Machine for making mattresses. E. H. Falk. 1,691,924; Nov. 20.
- Machine for making metallic tubing. F. Hanff. 1,664,976; Apr. 3.
- Machine for making nut blanks and similar articles. H. D. Simkins and J. Burkhardt. 1,677,151; July 17.
- Machine for making pail-shaped boxes. L. E. La Bombard and M. H. Sidebotham. 1,674,624; June 19.
- Machine for making paper boxes. H. Carle. 1,693,136; Nov. 27.
- Machine for making paper cones. C. K. Dunlap. 1,689,427; Oct. 30.
- Machine for making pneumatic-tire covers or casings. C. Macbeth. 1,657,267; Jan. 24.
- Machine for making prepared roofing. C. M. Olsen. 1,669,999; May 15.
- Machine for making printers' rules and leads. G. H. M. Dahl. 1,671,088; May 22.
- Machine for making quartz-glass rods and tubes. R. F. Schaller and W. J. Lidle. 1,655,846; Jan. 10.
- Machine for making sheet-metal pipe elbows. F. Brune. 1,679,893; Aug. 7.
- Machine for making shoe soles. F. H. Perry. 1,667,948; May 1.
- Machine for making spiral springs. J. F. Gail. 1,681,728; Aug. 21.
- Machine for making spring bands and like articles. P. T. Lavinder. 1,661,696; Mar. 6.
- Machine for making straps. E. W. Dunbar and E. J. Dempsey. 1,617,231; July 17.
- Machine for manipulating plastic materials. W. A. Gordon. Re17,070; Aug. 28.
- Machine for manufacturing and packing matches. A. Ovtshinnikoff. 1,696,052; Dec. 18.
- Machine for manufacturing book covers and the like. A. Olgay. 1,679,871; Aug. 7.
- Machine for manufacturing bottle caps, so-called crown caps. H. A. Skov. 1,661,912; Mar. 6.
- Machine for manufacturing bottles and other hollow objects made of glass. E. Roiant. 1,671,997; June 5.
- Machine for manufacturing heels for shoes. C. I. Pollard. 1,669,672; May 15.
- Machine for manufacturing of chain mail in tubular shape. R. Einsele. 1,663,448; Mar. 20.
- Machine for manufacturing paper cups. P. R. Simmons. 1,667,493; Apr. 24.
- Machine for manufacturing pins. H. Prym. 1,659,216; Feb. 14.
- Machine for manufacturing pulp products. W. J. De Renner. 1,672,931; June 12.
- Machine for manufacturing solid tires. J. I. Haase. 1,694,876; Dec. 11.
- Machine for manufacturing stems for tipless lamps. J. B. Whitmore. 1,695,834; Dec. 18.

- Machine for manufacturing wire garment hangers. F. Magidson. 1,695,603; Dec. 18.
- Machine for manufacturing wooden spoons. J. Lewis. 1,682,917; Sept. 4.
- Machine for mechanically mixing tobacco leaves. H. Müller. 1,682,017; Aug. 28.
- Machine for mixing gypsum stucco. C. Payne. 1,690,176; Nov. 6.
- Machine for mixing road material and the like. T. J. Barrett. 1,675,151; June 26.
- Machine for needles and the like, Straightening. W. Tivendale. 1,680,649; Aug. 14.
- Machine for obtaining the register of the etchings for multicolor intaglio printing cylinders. A. Dultgen and A. Weiss. 1,692,836; Nov. 20.
- Machine for opening oysters. O. Schenk. 1,685,296; Sept. 25.
- Machine for operating on blanks. W. T. B. Roberts. 1,682,800; Sept. 4.
- Machine for operating on filler pieces for shoes. G. H. Heys. 1,692,259; Nov. 20.
- Machine for operating on footwear. M. H. Ballard and T. H. Seely. 1,674,085; June 19.
- Machine for operating on footwear. E. A. Holmgren. 1,691,287; Nov. 13.
- Machine for operating on parts of boots and shoes. I. C. Buckminster. 1,686,728; Oct. 9.
- Machine for operating on pieces of sheet material. B. F. Mayo. 1,695,555; Dec. 18.
- Machine for operating on pieces of sheet material. G. E. Molyneux. 1,694,787; Dec. 11.
- Machine for operating on shoes. A. Bates. 1,677,322; July 17.
- Machine for operating on shoes. A. F. Pym. 1,693,667; Dec. 4.
- Machine for operating on shoes. H. S. Swain. 1,682,810; Sept. 4.
- Machine for operating upon blanks. J. M. Benjamin. 1,659,293; Feb. 14.
- Machine for operating upon boots and shoes. J. Gould-bourn and F. Ricks. 1,675,753; July 3.
- Machine for operating upon hides, skins, leather, and other similar pieces of work. G. A. Schettler and O. Böttger. 1,686,769; Oct. 9.
- Machine for operating upon soles. L. J. Bazzoni. 1,655,126; Jan. 3.
- Machine for operating upon soles. F. E. Bertrand. 1,661,319; Mar. 6.
- Machine for operating upon soles. F. E. Bertrand. 1,674,678; June 26.
- Machine for operating upon soles. E. I. La Chapelle. 1,659,032; Feb. 14.
- Machine for packing boxes. V. Popov. 1,661,086; Feb. 28.
- Machine for packing cigarettes and like articles. E. Koerner. 1,680,024; Aug. 7.
- Machine for paper-making processes. H. D. Wells. 1,685,736; Sept. 25.
- Machine for pasting accumulator grids. J. A. Fullilove. 1,668,714; May 8.
- Machine for pasting battery grids. E. A. Garlock. 1,683,969; Sept. 11.
- Machine for patching shipping tags, etc. L. A. MacLean. 1,691,773; Nov. 13.
- Machine for photographically printing on cylinders. F. M. Carroll. 1,661,560; Mar. 6.
- Machine for picking poultry. A. O. Vestine. 1,695,128; Dec. 11.
- Machine for piling sheets, plates, and the like. J. D. Williams. 1,688,219; Oct. 16.
- Machine for placing springs in fabric pockets. J. L. MacInerney. 1,685,851; Oct. 2.
- Machine for placing string caps on milk bottles. C. L. Turner. 1,659,177; Feb. 14.
- Machine for planing suction boxes. H. M. Ostertag. 1,682,980; Sept. 4.
- Machine for plastic material, Feeding, cutting, rolling, and forming. W. and H. Ganz. 1,689,199; Oct. 30.
- Machine for preparation of molder's sand. G. F. Royer. 1,694,355; Dec. 4.
- Machine for preparing heel blanks. R. S. Megathlin. 1,671,157; May 29.
- Machine for preparing paper to enable portions to be easily detached. W. W. Warrington. 1,678,410; July 24.
- Machine for printing designs on floor covering. H. C. Kessler, Jr. 1,668,322; May 1.
- Machine for printing or embossing. S. O'Hara. 1,675,127; June 26.
- Machine for printing rugs. J. B. Campbell. 1,691,021; Nov. 6.
- Machine for printing, winding, and packing. J. Carroll. 1,670,062; May 15.
- Machine for producing flexible roofing elements. O. D. McFarland. 1,687,873; Oct. 16.
- Machine for producing gears. E. C. Head. 1,686,523; Oct. 9.
- Machine for producing gears. J. E. Gleason and E. C. Head. 1,669,818; May 15.
- Machine for producing irregular surfaces. B. Heymann. 1,667,153; Apr. 24.
- Machine for producing post office classification slips. J. P. Davis and S. Helman. 1,685,352; Sept. 25.
- Machine for producing varying tooth combinations on typographical elements. W. Thomas. 1,657,328; Jan. 24.
- Machine for producing wood screws from pressed blanks. G. Weber. 1,682,646; Aug. 28.
- Machine for producing wooden articles. M. B. Lloyd. 1,659,574; Feb. 21.
- Machine for punching staples and providing the same with wood-fiber insulation. G. A. Parker. 1,663,812; Mar. 27.
- Machine for putting up tamales. J. A. Gage and B. H. Johnson. 1,654,871; Jan. 3.
- Machine for ramming molds and the like. E. D. Patterson. 1,696,250; Dec. 25.
- Machine for ramming paving stones and the like. E. H. Carlsson. 1,680,450; Aug. 14.
- Machine for ramming paving stones and the like. E. H. Carlsson. 1,693,221; Nov. 27.
- Machine for rejecting faulty separators. F. B. Rae and V. A. Smith. 1,692,700; Nov. 20.
- Machine for removing projecting tacks from the interior of boots and shoes. O. L. Smith. 1,682,807; Sept. 4.
- Machine for removing scale from metal strips and sheets. J. E. Hamacheck. 1,656,324; Jan. 17.
- Machine for removing scales from fish. E. A. Gallison. 1,683,968; Sept. 11.
- Machine for removing seed cell from fruit, such as apples. B. C. Coons. 1,681,467; Aug. 21.
- Machine for removing surplus stock from shoes. H. A. Ballard. 1,680,494; Aug. 14.
- Machine for rolling metallic disks. E. A. Nelson. 1,665,818; Apr. 10.
- Machine for rolling rim edges. F. R. Klaus and W. R. Edwards. 1,658,601; Feb. 7.
- Machine for rolling sheet metal. R. Trafelet. 1,694,495; Dec. 11.
- Machine for rolling soles. C. and P. Nohr. 1,685,555; Sept. 25.
- Machine for rolling wheel disks. E. A. Nelson. 1,683,368; Sept. 4.
- Machine for roping straw or other vegetables. R. Dunkel and A. Wilde. 1,669,657; May 15.
- Machine for rounding gear wheels. J. L. Limeres. 1,688,243; Oct. 16.
- Machine for rounding the edges of glass sheets. W. Owen. 1,665,040; Apr. 3.
- Machine for rounding the edges of sheets of material. W. Owen. 1,660,350; Feb. 28.
- Machine for sanding window sashes. S. Madsen. 1,669,989; May 15.
- Machine for scaling fish. E. A. Gallison. 1,692,985; Nov. 27.
- Machine for sealing caps to jars and cans, Hand. S. N. Tevander. 1,681,959; Aug. 28.
- Machine for seamless cans. A. W. Spaulding. 1,686,644; Oct. 9.
- Machine for securing bridge wires to lead wires of electric blasting caps. J. Stuart. 2d. 1,685,344; Sept. 25.
- Machine for separating particles by specific weight. E. Higginbottom. 1,657,161; Jan. 24.
- Machine for separating seeds. D. Franks. 1,686,374; Oct. 2.
- Machine for setting fasteners. M. N. Bray. 1,672,149; June 5.
- Machine for setting glaziers' points. W. S. Mower. 1,662,276; Mar. 13.
- Machine for setting or applying belt fasteners and the like. J. K. Diamond. Re16,925; Apr. 10.
- Machine for severing wire fabric. W. E. Bowler. 1,675,747; July 3.
- Machine for sewing bags. F. Ricks and R. G. Reid. 1,695,718; Dec. 18.
- Machine for shaping and grinding stones for blast furnaces. W. Kosfeld. 1,691,898; Nov. 13.
- Machine for shaping lipped sockets. J. W. Cosgrove. 1,667,929; May 1.
- Machine for shaping the ends of hollow ducts. J. Hein. 1,694,685; Dec. 11.
- Machine for shaping uppers. B. Jorgensen. 1,667,936; May 1.
- Machine for shaping uppers over lasts. A. F. Pym. 1,662,253; Mar. 13.
- Machine for shaping uppers over lasts. C. F. Pym. 1,695,559; Dec. 18.
- Machine for shaping uppers over lasts. C. F. Pym. 1,695,561; Dec. 18.
- Machine for sheeting dough. E. M. Crosland. 1,696,891; Dec. 25.
- Machine for slicing cheese. E. E. Holle. 1,693,605; Dec. 4.
- Machine for slitting and folding fabric. J. F. Gail. 1,695,421; Dec. 18.
- Machine for slotting the heads of screws and the like. E. Spengler. 1,679,063; July 31.
- Machine for snipping the ends from beans. A. B. McKain. 1,671,038; May 22.
- Machine for sorting bristles, hairs, fibers, and the like according to desired lengths. K. Mauz. 1,689,679; Oct. 30.
- Machine for spinning and winding filaments. K. Meyer-Gaus. 1,682,763; Sept. 4.
- Machine for spinning artificial silk. G. Donagemma, P. Tolini, M. Valentini, and E. Micozzi. 1,659,483; Feb. 14.
- Machine for spinning cotton and other textile materials. A. Turati. 1,692,357; Nov. 20.

- Machine for spreading sand, gravel, etc. I. E. Hiller. 1,689,342; Oct. 30.
- Machine for squaring spoke stock. K. M. Mathisen. 1,664,861; Apr. 3.
- Machine for stacking biscuits. A. Male. 1,658,531; Feb. 7.
- Machine for stapling chick boxes. C. Van Zyl. 1,676,718; July 10.
- Machine for sterilizing cottonseed. W. J. Stahmann. 1,667,608; Apr. 24.
- Machine for stirring and beating dough and like materials. F. Aeschbach. 1,679,342; Aug. 7.
- Machine for tempering saw blades, plane knives, and similar tools. P. and K. Hustadt. 1,662,516; Mar. 13.
- Machine for testing shock absorbers. G. W. Elsey. 1,694,005; Dec. 4.
- Machine for testing typewriting ribbons, carbon paper, etc. W. P. Pembroke. 1,693,494; Nov. 27.
- Machine for the manufacture of fishhooks. M. Topp. 1,691,534; Nov. 13.
- Machine for the manufacture of wire spiral. J. P. and M. Manent. 1,690,452; Nov. 6.
- Machine for the pickling of grain. F. W. McCormick and J. P. Dwyer. 1,696,048; Dec. 18.
- Machine for the production of textile fabrics. C. Bilhartz. 1,666,591; Apr. 17.
- Machine for the sintering of ore and the like. P. Anderson. 1,676,720; July 10.
- Machine for topping cans. W. L. Phillips. 1,677,928; July 24.
- Machine for transferring and chopping animal carcasses. B. G. Brennan. 1,686,121; Oct. 2.
- Machine for treating and sealing cans. B. E. Taylor. 1,693,262; Nov. 27.
- Machine for treating brush stocks. A. Zahoransky. 1,656,309; Jan. 17.
- Machine for treating grain. W. A. Rogers. 1,685,179; Sept. 25.
- Machine for treating hides, skins, and leather. J. J. Brophy, and W. E. Broughton. 1,682,032; Aug. 28.
- Machine for treating hides, skins, leather, and other like pieces of material. G. A. Schettler. 1,686,768; Oct. 9.
- Machine for treating materials. H. H. Miller. 1,692,947; Nov. 27.
- Machine for treating hollow glass articles. R. G. Phelps and L. Staudenmeir. 1,655,290; Jan. 3.
- Machine for treating seeds for smut. R. J. Owens. 1,658,938; Feb. 14.
- Machine for treating tile. L. S. Jones, G. W. Fisher, and C. G. Henrikson. 1,678,064; July 24.
- Machine for trimming rubber heels. S. J. Finn. 1,664,604; Apr. 3.
- Machine for trimming strips of rubber. T. Mulholland. 1,681,248; Aug. 21.
- Machine for trimming the edges of bearings or like sections. C. W. Eggenweiler, and W. J. Fiegel. 1,696,392; Dec. 25.
- Machine for trimming the soles of boots and shoes. J. Marcus. 1,657,632; Jan. 31.
- Machine for truing gears. A. W. Copland and M. I. Mathewson. 1,683,868; Sept. 11.
- Machine for turning heels. N. L. Gulliford. 1,676,218; July 3.
- Machine for turning shoes. W. Proulx. 1,695,344; Dec. 18.
- Machine for turning wood heels. W. J. Shaw. 1,678,792; July 31.
- Machine for twist drills, Grinding. C. Kobis. 1,662,521; Mar. 13.
- Machine for twisting the eyes of wire reels. G. A. Paff. 1,665,069; Apr. 3.
- Machine for twisting wires with material therebetween. A. Van Veen. 1,691,094; Nov. 13.
- Machine for tying knots in spiral springs. D. Hanauer. 1,687,476; Oct. 9.
- Machine for tying wire ties. H. B. Foulder. 1,681,610; Aug. 21.
- Machine for unwrapping tubes. E. F. Maas. 1,683,787; Sept. 11.
- Machine for use in making boxes. S. F. Bauwens. 1,685,626; Sept. 25.
- Machine for use in making boxes. O. C. Thompson. 1,669,383; May 8.
- Machine for use in making boxes. C. J. Westin. 1,666,035; Apr. 10.
- Machine for use in the manufacture of shoes. W. C. Baxter. 1,692,284; Nov. 20.
- Machine for use in the manufacture of shoes. J. Fausse. 1,678,854; July 31.
- Machine for use in the manufacture of shoes. F. M. Furber. 1,691,278; Nov. 13.
- Machine for use in the manufacture of shoes. F. Hume. 1,693,276; Nov. 27.
- Machine for use in manufacturing wooden heels for shoes. J. W. Green. 1,670,304; May 22.
- Machine for veneering brick. E. V. Poston. 1,695,293; Dec. 18.
- Machine for washing and drying sheet-metal boxes or cans. G. S. Blakeslee. 1,692,812; Nov. 27.
- Machine for washing fruits and vegetables. W. Flink. 1,689,868; Oct. 30.
- Machine for washing serving trays. C. J. Ulrich. 1,663,288; Mar. 20.
- Machine for weaving reed fabric. M. B. Lloyd. 1,689,531; Oct. 30.
- Machine for winding strip material into tubular form. H. E. Bryant. 1,668,758; May 8.
- Machine for wrapping annular and similar solid articles. G. Duvoisin and O. Thiry. 1,660,602; Feb. 28.
- Machine for wrapping articles of a uniform or approximately uniform size and shape. L. Mellor. 1,681,492; Aug. 21.
- Machine for wrapping up razor blades. P. Gangler. 1,685,601; Sept. 25.
- Machine frame. J. O. Liffander and C. J. Johnson. 1,665,137; Apr. 3.
- Machine frame, Portable. J. Nickels. 1,691,732; Nov. 13.
- Machine gauge, Metal-working. J. A. Smitmans. 1,670,789; May 22.
- Machine-gun fire-data finder. J. J. Gahan. 1,656,786; Jan. 17.
- Machine-gun mount. J. F. Butler. 1,660,595; Feb. 28.
- Machine-gun mount. W. T. Gorton. 1,671,281; May 29.
- Machine-gun unit. S. G. Green. 1,689,482; Oct. 30.
- Machine guns, Combination mount for. W. T. Gorton. 1,671,282; May 29.
- Machine, High-speed-gear-generating. E. R. Fellows. 1,662,109; Mar. 13.
- Machine, In-and-out. J. W. Miles. 1,664,523; Apr. 3.
- Machine parts, Method and device for balancing rotating. E. A. F. Punga. 1,685,094; Sept. 25.
- Machine, Portable and convertible. H. G. Wertz. 1,663,486; Mar. 20.
- Machine, Rectilinear combing. J. Weinbrenner. 1,660,500; Feb. 28.
- Machine relating to the production of candy. R. W. Krout. 1,689,879; Oct. 30.
- Machine, Shingle-making. H. A. Cumfer. 1,675,533; July 3.
- Machine, Shoe-brushing. C. H. Gill and T. H. Thomson. 1,662,498; Mar. 13.
- Machine-shop fixture, Universal. E. Gairing. 1,677,889; July 24.
- Machine stator, Dynamo-electric. J. M. Barr. 1,659,623; Feb. 21.
- Machine tool. K. F. Gallimore. 1,657,824; Jan. 31.
- Machine-tool organization. G. E. Gustafson. 1,671,989; June 5.
- Machine tools, Bearing support for. W. O. Vivarttas. Re16,861; Jan. 31.
- Machine, Wall-paper-display. W. E. Hall. 1,670,807; May 22.
- Machinery, Baker's. W. L. Freund and F. B. Menner. 1,686,607; Oct. 9.
- Machinery, Bakery. C. F. Betz. 1,686,596; Oct. 9.
- Machinery, Bread-baking. J. E. Pointon. 1,672,954; June 12.
- Machinery, Cage-making. D. B. Hanna. 1,664,211; Mar. 27.
- Machinery, Concrete. C. M. Eberling. 1,674,620; June 19.
- Machinery, Ditching and grading. C. W. Cundiff. 1,661,927; Mar. 6.
- Machinery for converting sheet material into receptacles. E. Craig. 1,678,901; July 31.
- Machinery, Glassworking. R. D. Mailey and W. J. Winninghoff. 1,676,795; July 10.
- Machinery, Glass-working. G. A. Millar. 1,676,796; July 10.
- Machinery, Grain-handling. A. R. Strang. 1,674,142; June 19.
- Machinery, Leather-finishing. V. Bianchi. 1,668,997; May 8.
- Machinery, Metal-working. C. C. Craley. 1,660,435; Feb. 28.
- Machinery mounting. S. Rosenzweig. 1,666,149; Apr. 17.
- Machinery, Paper. R. E. Heisel. 1,696,119; Dec. 18.
- Machinery, Paper-folding. J. Mentges. 1,679,985; Aug. 7.
- Machinery, Portable loading. C. G. Pfeiffer. 1,673,777; June 12.
- Machinery, Shaper head for woodworking. W. E. Graft and E. Hermann. 1,691,927; Nov. 20.
- Machinery, Shoe-ornamenting. B. W. Freeman. 1,696,631; Dec. 25.
- Machinery, Woodworking. G. T. Johnson. 1,670,360; May 22.
- Machinery, Woodworking. W. W. Stoddard. 1,692,230; Nov. 20.
- Machines and the like, Hydraulic drive for broaching. D. H. West. 1,685,760; Sept. 25.
- Machines, Ball-bearing center for. F. H. Becker. 1,681,087; Aug. 14.
- Machines, Blower attachment for. J. M. Cooke. 1,686,439; Oct. 2.
- Machines, Driving mechanism for paper and other. J. White. 1,683,374; Sept. 4.
- Machines, Driving mount for centrifugal. E. Roberts. 1,673,204; June 12.
- Machines for the manufacture of matches, Device for advancing bands for match cards in. S. Rakowitzky and H. Rakowitzky. 1,659,217; Feb. 14.
- Machines having stop motions, Frictional driving mechanism for. C. E. Jones. 1,678,945; July 31.
- Machines, Hook bar for footing. N. Judson. 1,662,678; Mar. 13.
- Machines for textile fiber, Clearing mechanism for preparatory. C. Gegauff and J. Pimlin. 1,689,238; Oct. 30.
- Machining polygonal parts on ordinary lathes, Apparatus for. A. C. Hofstee. 1,695,763; Dec. 18.

- Magazine, Film. B. V. Covert. 1,686,204; Oct. 2.
 Magazine for air guns. R. T. Bond. 1,677,810; July 17.
 Magazine for the storage of spare parts. H. Biersach. 1,675,087; June 26.
 Magazine for tickets. P. Gagneau. 1,688,865; Oct. 23.
 Magazine holder. J. L. Yurachek. 1,655,004; Jan. 3.
 Magazine rack, Sectional. H. Spearman. 1,678,275; July 24.
 Magazine signatures, Trimming. E. P. Sheldon. 1,658,466; Feb. 7.
 Magnesia compounds, Production of refractory. W. Koehler. 1,664,631; Apr. 3.
 Magnesia product and making the same. T. S. Curtis. 1,690,771; Nov. 6.
 Magnesite masses, Producing highly-refractory. F. Baumhauer. 1,659,476; Feb. 14.
 Magnesium alloy and making same. W. R. Veazey. 1,663,963; Mar. 27.
 Magnesium and magnesium alloys to inhibit corrosion, Treatment of. A. C. Zimmerman. 1,677,667; July 17.
 Magnesium chloride, Manufacture of anhydrous. R. Griessbach and K. Röhre. 1,661,894; Mar. 6.
 Magnesium compound and producing the same. F. Crossley. 1,694,341; Dec. 4.
 Magnesium oxide of high grade, Producing. W. Koehler. 1,661,043; Feb. 28.
 Magnesium oxide, Production of. W. Koehler. 1,664,630; Apr. 3.
 Magnesium primary cell. R. T. Wood. 1,696,873; Dec. 25.
 Magnesium, Protecting molten. H. H. Osborne. 1,657,693; Jan. 31.
 Magnet adjustment, Brake. R. Mercier. 1,670,897; May 22.
 Magnet and making the same, Permanent. J. H. White. 1,675,872; July 3.
 Magnet-coil cores, Method of and machine for making. E. B. Hawkinson. 1,664,212; Mar. 27.
 Magnet device, Adjustable. H. B. Rex. 1,667,638; Apr. 24.
 Magnet, Picker. W. R. Edson. 1,680,599; Aug. 14.
 Magnet steel, Permanent. P. H. Brace. 1,678,001; July 24.
 Magnet structure. A. R. Rutter. 1,689,843; Oct. 30.
 Magnet switch. C. H. Hodgkins. 1,680,416; Aug. 14.
 Magnet wheel. J. Geschke. 1,677,030; July 10.
 Magnetic apparatus. C. S. Snively. 1,684,929; Sept. 18.
 Magnetic circuit-control apparatus. S. Seaberg and H. W. Anderson. 1,694,692; Dec. 11.
 Magnetic chuck. J. Bing. 1,667,766; May 1.
 Magnetic chuck. F. L. Simmons. 1,665,226; Apr. 10.
 Magnetic coiling device. L. Young. 1,692,789; Nov. 20.
 Magnetic core. G. W. Elmen. 1,669,658; May 15.
 Magnetic core material. S. Ballantine and R. W. Seabury. 1,682,864; Aug. 28.
 Magnetic dust cores, Production of. G. W. Elmen. 1,695,041; Dec. 11.
 Magnetic material. J. W. Andrews. 1,669,642; May 15.
 Magnetic material. J. W. Andrews. 1,669,644; May 15.
 Magnetic material. J. W. Andrews and R. Gillis. 1,669,643; May 15.
 Magnetic material. J. W. Andrews and R. Gillis. 1,669,645; May 15.
 Magnetic material. A. F. Bandur. 1,669,646-8; May 15.
 Magnetic material. C. P. Beath and H. M. E. Heinicke. 1,669,649; May 15.
 Magnetic material. G. W. Elmen. 1,675,884; July 3.
 Magnetic material. J. C. Karcher. 1,669,665; May 15.
 Magnetic material, process of producing it, and electromagnetic device incorporating such material. A. F. Bandur. 1,673,790; June 19.
 Magnetic motor. O. R. Anderson. 1,666,065; Apr. 17.
 Magnetic motor. S. Osser. 1,692,761; Nov. 20.
 Magnetic motor. J. G. Ruckelshaus. Re16,892; Feb. 28.
 Magnetic pattern. F. R. Craig and J. J. Oling. 1,680,502; Aug. 14.
 Magnetic separation, Method of and apparatus for. R. H. Stearns. 1,692,590; Nov. 20.
 Magnetic separation, Process and apparatus for. F. M. Simonds. 1,660,362; Feb. 28.
 Magnetic separator. A. Lotz. 1,673,837; June 19.
 Magnetic shield. D. D. Miller. 1,689,358; Oct. 30.
 Magnetic switch. H. D. James. 1,684,060; Sept. 11.
 Magnetic switch, Automatic. R. C. Bierbower. 1,696,107; Dec. 18.
 Magnetic system to control the stop and leveling of elevators. A. S. Gale. 1,680,675; Aug. 14.
 Magnetizable material. E. Gumlich. 1,668,115; May 1.
 Magnetizable materials, Treating. A. F. Bandur. 1,666,191; Apr. 17.
 Magnetizable objects, Method of and apparatus for testing. C. W. Burrows. 1,676,632; July 10.
 Magnetizing and demagnetizing metal alloys, Rapid. S. Osser. 1,692,690; Nov. 20.
 Magneto. P. Brown and I. E. Hendrickson. 1,692,718; Nov. 20.
 Magneto. T. G. Louis. 1,674,050; June 19.
 Magneto. C. F. Reis. 1,658,858; Feb. 14.
 Magneto, Blast. A. U. Davis. 1,680,261; Aug. 7.
 Magneto-coil-aligning tool. C. F. Harper. 1,663,595; Mar. 27.
 Magneto construction. E. D. Perry. 1,693,345; Nov. 27.
 Magneto-electric machine. A. E. Brown. 1,679,069; July 31.
 Magnetophone. R. L. Williams. 1,681,963; Aug. 28.
 Magnetos, Armature-actuating mechanism for. P. Brown. 1,658,028; Feb. 7.
 Magnetos, Contact device for. E. Bugatti. 1,695,708; Dec. 18.
 Magnetos, Impulse starter for. S. D. Livingston. 1,655,965; Jan. 10.
 Magnets, Producing permanent. L. E. Howard and A. D. Potts. 1,677,674; July 17.
 Magnifier. D. H. O'Meara. 1,668,283; May 1.
 Magnifying glass, Illuminated hand. C. T. Brady. Des. 74,719; Mar. 20.
 Magnifying glass, Illuminated hand. C. T. Brady. Des. 76,519; Oct. 9.
 Magnifying glasses, Optical system of. L. E. W. Van Albada. 1,668,030; May 1.
 Magnetometer. J. N. Ray. 1,666,309; Apr. 17.
 Mail-bag crane, Railway. M. J. Davis. 1,665,056; Apr. 3.
 Mail bags from railway cars, Device for delivering. E. E. and J. E. Edenharder. 1,692,979; Nov. 27.
 Mail bags, luggage, and similar objects from aerial crafts to the ground, Apparatus for safely sending. M. Künzer. 1,667,421; Apr. 24.
 Mail box. W. R. Bankson. 1,684,384; Sept. 18.
 Mail box. A. E. Blackman. 1,685,222; Sept. 25.
 Mail box. A. E. Blackman. 1,695,524; Dec. 18.
 Mail box. J. A. Cameron. Des. 74,296; Jan. 24.
 Mail box. A. E. Deibert. 1,666,281; Apr. 17.
 Mail box. A. D. Dover. 1,670,244; May 15.
 Mail box. L. Harris. Des. 76,301; Sept. 11.
 Mail box. J. A. Johnson. 1,654,884; Jan. 3.
 Mail box. G. de Maziroff. 1,676,008; July 3.
 Mail box. G. G. Mirbach. 1,694,334; Dec. 4.
 Mail box. G. Muehleisen. 1,664,462; Apr. 3.
 Mail box. T. L. Parker. 1,684,513; Sept. 18.
 Mail box. G. Rietveld. 1,663,862; Mar. 27.
 Mail box. O. R. Tidball. 1,655,669; Jan. 10.
 Mail box. J. H. Ward, jr. 1,683,217-18; Sept. 4.
 Mail box. W. F. Wemboener. 1,667,503; Apr. 24.
 Mail box and signpost, Combined. R. B. Smith. 1,667,639; Apr. 24.
 Mail-box post. S. B. Hale. 1,693,698; Dec. 4.
 Mail box, Rural. A. H. Habighorst. 1,684,823; Sept. 18.
 Mail-box signal. H. A. Farrell. 1,671,520; May 29.
 Mail-box switch. J. P. Gennoy. 1,654,643; Jan. 3.
 Mail-carrier mechanism. L. Auble. 1,685,593; Sept. 25.
 Mail-marking machine. L. J. Zahn. 1,680,313; Aug. 14.
 Mail receiving and delivering device. H. J. Hill. 1,664,819; Apr. 3.
 Mailing box. R. L. Harden. 1,686,449; Oct. 2.
 Mailing machines, Combination printing and registering apparatus for. J. A. Mitchell and L. J. Zahn. 1,659,213; Feb. 14.
 Mailing machines, Printing and registering mechanism for. J. A. Mitchell and L. J. Zahn. 1,659,212; Feb. 14.
 Mailing tube. H. Z. Landon. 1,673,081; June 12.
 Mailing tube. M. R. Smith. 1,673,599; June 12.
 Mailing wrapper for photographs. H. L. Greve. 1,685,813; Oct. 2.
 Make and break device. F. R. House. 1,690,538; Nov. 6.
 Making molded product. L. H. Hartung and F. Folbert. 1,668,768; May 8.
 Maltose product and producing same. H. C. Gore. 1,657,079; Jan. 24.
 Mandrel. W. S. Doll. 1,676,325; July 10.
 Mandrel. F. F. Filloon. 1,687,329; Oct. 9.
 Mandrel. M. B. Grout. 1,675,439; July 3.
 Mandrel, Expanding. S. Cunningham. 1,683,167; Sept. 4.
 Mandrel, Expanding. W. J. Hempy. 1,689,484; Oct. 30.
 Mandrel, Expanding. W. E. Tromblay. 1,668,990; May 8.
 Mandrel, Expansion. H. C. Burden. 1,674,635; June 26.
 Mandrel for sectional-boiler headers, Internal. A. Cotton. 1,654,536; Jan. 3.
 Mandrel or punch, Pipe-bending. P. Mueller and A. C. Schuermann. 1,683,573; Sept. 4.
 Mandrel, Pipe-bending. P. Mueller and A. C. Schuermann. 1,654,697; Jan. 3.
 Mandrel, Pipe-bending. P. Mueller and A. C. Schuermann. 1,683,572; Sept. 4.
 Mandrel, Tinner's riveting. M. B. McCleery. 1,659,407; Feb. 14.
 Mandrel-upsetting press. L. Löwy. 1,691,075; Nov. 13.
 Mandrels, Tapered plug for circular. J. R. Hunter. 1,676,829; July 10.
 Manganese and product thereof, Making arsenates of. W. L. Tanner. Re16,933; Apr. 10.
 Mangle. H. Ahlin. 1,689,005; Oct. 23.
 Mangle. W. H. Fenoughy. 1,656,783; Jan. 17.
 Mangle. H. A. Sperlich and J. H. Uhlir. 1,670,387; May 22.
 Mangle with variable-pressure rollers. E. Rumsch. 1,659,708; Feb. 21.
 Manhole cover. L. Benedetti. 1,693,190; Nov. 27.
 Manhole cover. L. Gschwind. 1,673,145; June 12.
 Manhole cover, Locking. C. S. Brown. 1,687,969; Oct. 16.
 Manhole safety cage. J. Goff. 1,688,074; Oct. 16.
 Manicure implement. H. C. Bates. Des. 75,672; July 3.
 Manicuring device. E. F. Hardey. 1,654,807; Jan. 3.
 Manicuring implement. A. E. R. Blomquist. 1,682,475; Aug. 28.
 Manicuring implement. E. L. Eberhardt. 1,666,619; Apr. 17.
 Manicuring implement. J. R. Neidig. 1,694,336; Dec. 4.
 Manicuring implement. C. Thelander. 1,667,570; Apr. 24.

- Manicuring instrument. I. M. Eldridge. Des. 75,784; July 17.
- Manicuring instrument. R. H. Goldman. Re16,869; Feb. 7.
- Manicuring light. C. L. McMurdie. 1,683,476; Sept. 4.
- Manifold and thermostatic regulating device therefor. W. E. S. Strong. 1,675,870; July 3.
- Manifold. Combined intake and exhaust. J. B. Putnam. 1,670,550; May 22.
- Manifold construction. C. L. McCuen. 1,659,659; Feb. 21.
- Manifold, Exhaust. O. G. Armstrong. 1,655,082; Jan. 3.
- Manifold for gas-analysis apparatus. C. B. Francis. 1,668,362; May 1.
- Manifold for internal-combustion engines. W. G. Heginbottom and J. R. Francis. 1,691,114; Nov. 13.
- Manifold for internal-combustion engines, Intake. W. D. Kemp. 1,676,955; July 10.
- Manifold forms, Making continuous. R. C. Stevenson. 1,687,905; Oct. 16.
- Manifold heater. L. E. Aske. 1,664,727; Apr. 3.
- Manifold, Heater. C. Forth. 1,656,885; Jan. 17.
- Manifold, Intake. H. W. Asire. 1,683,281; Sept. 4.
- Manifold, Regenerator. W. S. Carlston. 1,678,327; July 24.
- Manifold, Slush-pump. E. M. Beebe. 1,686,310; Oct. 2.
- Manifold, Turbine-nozzle. J. L. Ray. 1,679,496; Aug. 7.
- Manifold, Valve. A. M. Thomson. 1,664,909; Apr. 3.
- Manifold, Vaporizing. C. S. Ricker. 1,659,373; Feb. 14.
- Manifolding device. A. Ruf. 1,671,209; May 29.
- Manifolding device. J. Q. Sherman. 1,690,798; Nov. 6.
- Manifolding machine. A. W. Metzner. 1,664,568; Apr. 3.
- Manifolding machine. J. Q. Sherman. 1,655,743; Jan. 10.
- Manifolding machine. J. Q. Sherman. 1,688,157; Oct. 16.
- Manifolding machine, Double-platen. L. E. Lentz. 1,679,835; Aug. 7.
- Manifolding machine, Flat-bed. J. Q. Sherman and A. W. Metzner. 1,670,787; May 22.
- Manifolding machines, Carbon guard for. A. Jensen. 1,679,827; Aug. 7.
- Manifolding register. J. Q. Sherman and A. W. Metzner. 1,682,991; Sept. 4.
- Manifolding strip, Composite. A. M. Bovier. 1,681,513; Aug. 21.
- Manikin, Mechanical. C. L. Harcourt. 1,685,358; Sept. 25.
- Manipulator, Cash-fare. W. D. Sealf. 1,694,285; Dec. 4.
- Manipulator table for rolling mills. N. C. Rendlemann. 1,665,606; Apr. 10.
- Manometer. F. S. Dickinson and A. W. Fleischer. 1,659,393; Feb. 14.
- Mantel, Cement. R. T. Woodard. Re17,060; Aug. 7.
- Mantel clamp. J. S. Ornes and L. V. Lavell. Des. 76,632; Oct. 16.
- Mantle for gas burners. J. E. Steffens. 1,692,000; Nov. 20.
- Manually-operated press. T. C. Prouty. 1,659,157; Feb. 14.
- Manual rim lock. W. A. Clench. 1,695,798; Dec. 18.
- Manufacturing from metal brake linings, grinding, or friction bodies. H. Hellmann. 1,670,571; May 22.
- Manure spreader. E. C. F. Schaefer. Re16,929; Apr. 10.
- Manure spreader, Converted. E. C. Litchfield, C. Hermann, and V. Speer. 1,662,010; Mar. 6.
- Map case. J. Winter. 1,688,677; Oct. 23.
- Map holder, Multiple. W. B. Wilson. 1,671,214; May 29.
- Map or chart, Folding. A. R. Morris. 1,687,304; Oct. 9.
- Map or chart protector. K. M. Haugen. 1,656,673; Jan. 17.
- Map, Road. A. Blancafort. 1,680,200; Aug. 7.
- Map, Touring-trip. A. A. Epstein. 1,672,806; June 5.
- Maps and plans from two terrestrial or aerial photographs. Apparatus for automatically drawing. G. J. Polivillers. 1,676,708; July 10.
- Marble panels, Manufacture of imitation-. W. J. Schenk. 1,665,072; Apr. 3.
- Marble slabs, Apparatus for the manufacture of artificial. A. Strittmatter. 1,675,833; July 3.
- Marbleizing process. L. V. Casto. 1,682,067; Aug. 28.
- Marbles and the like, Device for projecting. N. D. Payne. 1,678,527; July 24.
- Marcel hair waver. E. E. Baldwin. Re17,129; Nov. 13.
- Marcel iron. D. J. Martin. 1,691,895; Nov. 13.
- Marcel irons, Waxing strip for. E. A. Samuelson and R. W. Mitchell. 1,663,389; Mar. 20.
- Marcel water waver. M. Smullen. 1,670,128; May 15.
- Marcel waves, Method of and apparatus for forming. C. S. Ackley. 1,668,836; May 8.
- Marcelling and permanent-wave irons. K. Wall. 1,678,890; July 31.
- Margarine composition. J. C. Sherman. 1,691,087; Nov. 13.
- Margin spacer for typewriters, Bottom. R. M. Davis. 1,685,314; Sept. 25.
- Margin turn-in mechanism and method, Box-cover. H. B. Smith. 1,687,352; Oct. 9.
- Marine coating and the like. G. W. Tarr. 1,657,438; Jan. 24.
- Marine elevator. H. Barlow. 1,682,208; Aug. 28.
- Marine engine. E. L. Grindle. 1,687,288; Oct. 9.
- Marine propulsion. T. C. Coykendall. 1,662,301; Mar. 13.
- Marine propulsion. G. A. Juhlin and L. Miller. 1,689,877; Oct. 30.
- Marine propulsion and power generator. G. J. Stradinger. 1,690,463; Nov. 6.
- Marine propulsion, System of. T. C. Coykendall. 1,667,842; May 1.
- Marker. A. C. Greene. 1,678,215; July 24.
- Marker. W. A. Johnson. 1,672,982; June 12.
- Marker and shoulder, cleaner. Ballast towline. W. C. Holcomb. 1,667,459; Apr. 24.
- Marker, Arch-support. F. F. Marron. 1,689,040; Oct. 23.
- Marker, Bird-house road. R. R. Hartman. Des. 77,002; Nov. 27.
- Marker, Book. A. Falken. 1,676,644; July 10.
- Marker, Crosswalk. L. F. N. Baldwin. 1,686,363; Oct. 2.
- Marker for continuous weighing devices. M. Castricum. 1,687,321; Oct. 9.
- Marker for trees, plants, and flowers. J. C. Richard. 1,676,927; July 10.
- Marker, Golf-ball. C. R. Long. 1,684,038; Sept. 11.
- Marker, Grave. D. J. Camelo. Des. 75,474; June 12.
- Marker, Grave. A. S. McCaskey. Des. 76,251; Sept. 4.
- Marker, Grave. H. C. Way. 1,694,196; Dec. 4.
- Marker hanger. T. E. Corrigan. 1,655,782; Jan. 10.
- Marker, Memorial grave. F. F. Fischer. Des. 75,832; July 24.
- Marker, Memorial grave. F. F. Fischer. Des. 76,994; Nov. 27.
- Marker, Plant. T. D. Smedley. 1,679,061; July 31.
- Marker, Price. F. W. Wanner. 1,696,824; Dec. 25.
- Marker, Stocking. C. T. La Mont. 1,665,706; Apr. 10.
- Marker, Traffic. W. A. Wallace. 1,696,510; Dec. 25.
- Marking and cutting device. S. Punt. 1,662,165; Mar. 13.
- Marking and finishing paper, Method and mechanism for. S. W. Webb and A. Allen. 1,669,855; May 15.
- Marking confectionery. E. Messer. 1,664,826; Apr. 3.
- Marking device. A. M. Bates and C. G. Kronmiller. 1,691,275; Aug. 21.
- Marking device. H. D. Mortenson. 1,670,735; May 22.
- Marking device. E. Salzmann. 1,694,490; Dec. 11.
- Marking device. D. L. Williams. 1,691,748; Nov. 13.
- Marking device for shoe parts and the like. W. J. Knox. 1,670,511; May 22.
- Marking device, Sheet-metal. F. P. Koubek. 1,668,683-4; May 8.
- Marking device, Street. A. B. Camden. 1,658,283; Feb. 7.
- Marking machine. P. R. Glass. 1,663,588; Mar. 27.
- Marking machine. P. R. Glass and H. D. Elliott. 1,695,582; Dec. 18.
- Marking machine. E. L. and G. H. Lang. 1,689,349; Oct. 30.
- Marking machine. F. J. Lederer. 1,665,197; Apr. 3.
- Marking machine. F. A. Putnam. 1,687,635; Oct. 16.
- Marking machine. P. E. Tarlton. 1,658,468; Feb. 7.
- Marking machine. A. Van Veen. 1,694,955; Dec. 11.
- Marking machine, Cable. A. D. Pettee. 1,677,927; July 24.
- Marking machine, Soap. C. W. Aiken. 1,692,322; Nov. 20.
- Marking machine, Universal. J. F. James. 1,660,616; Feb. 28.
- Marking materials, Apparatus for. P. S. Shoaff. 1,656,872; Jan. 17.
- Marking or cutting device. F. Wolf. 1,666,479; Apr. 17.
- Marking pipes, Apparatus for. W. D. Moore, J. B. Loring, and W. J. Bowers. 1,695,555; Dec. 18.
- Marking system. G. H. Cross. 1,666,994; Apr. 24.
- Marking tag. W. N. Hempbill. 1,680,459; Aug. 14.
- Marking the tops of confections, Method and apparatus for. W. V. Wallburg. 1,673,344; June 12.
- Marking waxed-paper containers, Method and appliance for. L. E. La Bombard and M. H. Sidebotham. 1,674,047; June 19.
- Marking X-ray film. P. K. Eaton. 1,678,038; July 24.
- Marmalade and producing the same, Dried. H. L. Hulburt. 1,692,040; Nov. 20.
- Mask. A. H. Braecklein. 1,671,010; May 22.
- Mask. H. Lowenbach. Des. 77,246; Dec. 18.
- Mask, Face. A. M. Renault. 1,678,649; July 31.
- Mask for facial treatments. C. McCune. 1,693,452; Nov. 27.
- Mask, Make-up. J. Sobie. 1,655,440; Jan. 10.
- Mask, Welding. F. D. Huntsman. 1,658,335; Feb. 7.
- Masonry, Drying out. A. B. Haswell. 1,661,476; Mar. 6.
- Massage apparatus. W. Koester. 1,663,167; Mar. 20.
- Massage apparatus. E. H. Pasque. 1,657,765; Jan. 31.
- Massage apparatus, Mechanical. C. A. Vaden. 1,668,224; May 1.
- Massage appliance. S. Falck. 1,671,019; May 22.
- Massage appliance. A. Morke. 1,676,104; July 3.
- Massage implement. D. Berger. 1,688,226; Oct. 16.
- Massage implement. C. Broadbent. 1,686,598; Oct. 9.
- Massage instrument. L. Casper. 1,693,137; Nov. 27.
- Massage implement, Ophthalmic. F. King. 1,654,888; Jan. 3.
- Massage roller, Self. B. Trankowski and G. Grodd. 1,688,764; Oct. 23.
- Massaging apparatus. O. Hibner. 1,680,989; Aug. 14.
- Massaging device. J. L. Scoggin. 1,657,974; Jan. 31.
- Massaging device, Wheeled. T. H. David. 1,663,975; Mar. 27.
- Massaging machine. F. W. Knott and B. Garllus. 1,693,300; Nov. 27.
- Mast, Airship mooring. M. Q. Corbett. 1,693,476; Nov. 27.
- Mast and pulley structure. J. E. Whitlesey. 1,657,187; Jan. 24.

- Mast arm. J. J. Shickluna. 1,680,573; Aug. 14.
 Mast-erecting apparatus. A. T. Scannell. 1,667,440; Apr. 24.
 Mast or pole support. J. A. Rose. 1,672,625; June 5.
 Mastic, Bituminous. C. N. Forrest, J. S. Miller, jr., and C. S. Babb. 1,688,041; Oct. 16.
 Mat: See—
 Bowling-alley mat. Reclining mat.
 Foot mat. Revetment mat.
 Link mat. Shoe-sole mat.
 Mat. W. M. Wattie. 1,686,303; Oct. 2.
 Mat for vehicles, Floor. E. E. Richardson. 1,679,498; Aug. 7.
 Mat rack, Gymnasium-. A. B. Horne. 1,688,583; Oct. 23.
 Mats. Apparatus for forming rope. L. A. Denney. 1,675,881; July 3.
 Mats, Edge binding for coconut-fiber. G. A. Grupp. 1,659,141; Feb. 14.
 Mats, Metal end for. O. W. Jackson. 1,669,759; May 15.
 Match. G. A. Taylor. 1,684,000; Sept. 11.
 Match book. R. S. Pullen. 1,694,864; Dec. 11.
 Match-book holder.* W. H. Colgate. 1,657,789; Jan. 31.
 Match book and making the same. J. O. Seifert. 1,694,799; Dec. 11.
 Match books, Making. W. B. Hutchinson. 1,671,947-8; May 29.
 Match box. F. J. Hekrdle. 1,670,258; May 15.
 Match box. R. Szekeres. 1,672,965; June 12.
 Match box, ash tray, and other boxes and trays. L. Downes-Martin. 1,666,294; Apr. 17.
 Match box, Attachable. L. V. Couklin. 1,689,479; Oct. 30.
 Match-box-filling machine. K. Bergström. 1,661,783; Mar. 6.
 Match-box holder. G. Rietveld. 1,663,861; Mar. 27.
 Match-box holder. M. Saari. 1,672,911; June 12.
 Match case and igniter, Combination. P. Glavey, jr. 1,656,060; Jan. 10.
 Match case and igniting device. W. Turk. 1,681,270; Aug. 21.
 Match machines. Conveyor mechanism for. H. I. Lahr and O. E. Swartz. 1,681,863; Aug. 21.
 Match-making machine. E. M. Kelley. 1,658,527; Feb. 7.
 Match-making machine. J. E. Zomnir and C. L. Pfersich. 1,666,547; Apr. 17.
 Match package. H. T. Bradner. 1,682,110; Aug. 28.
 Match packages, Manufacturing. F. Bovard. 1,683,651; Sept. 11.
 Match packet. W. Friedman. 1,672,519; June 5.
 Match plate pattern. L. G. Copeman. 1,667,722; May 1.
 Match safe. J. E. Neahr. 1,681,250; Aug. 21.
 Match-splint machine. S. M. Friede and C. Hakemeyer. 1,663,978; Mar. 27.
 Match strips. Mechanism for assembling. J. C. Donnelly. 1,660,324; Feb. 28.
 Match strips, Mechanism for assembling. C. F. Wright. 1,675,440; July 3.
 Matches, Card. H. A. Rudd. 1,658,355; Feb. 7.
 Matches, Card. J. E. Zomnir. 1,658,321; Feb. 7.
 Matches, Combined holder and dispenser for. M. Mills. 1,657,692; Jan. 31.
 Matches from sheet material, Machine for making. C. F. Wright. 1,684,165; Sept. 11.
 Material and making same, Artificial. L. Lillienfeld. 1,683,200; Sept. 4.
 Material-applying apparatus. W. H. Ray. 1,659,895; Feb. 21.
 Material-carrying fight. N. D. Levin. 1,686,567; Oct. 9.
 Material-handling apparatus. J. C. Hodge. 1,673,284; June 12.
 Material-handling apparatus. C. A. Schubert. 1,656,240; Jan. 17.
 Material separator. S. S. Howell. 1,654,811; Jan. 3.
 Material to material-working apparatus, Apparatus for advancing. A. E. Schulz and J. H. Aedy. 1,673,270; June 12.
 Material-working apparatus. S. E. Boynton. 1,667,028; Apr. 24.
 Material-working apparatus. T. M. Yancey. 1,691,103; Nov. 13.
 Material-working machine. B. L. Whited. 1,677,159; July 17.
 Material-working mechanism. A. Marchev. 1,672,984; June 12.
 Materials, Apparatus for testing permeability of. A. Abrams. 1,660,024; Feb. 21.
 Mathematical instrument. J. E. Rowe. 1,661,096; Feb. 28.
 Matrix and making the same. E. R. Lorrison. 1,681,447; Aug. 21.
 Matrix-band structure. J. J. Curran. 1,669,231; May 8.
 Matrix-drying press. J. J. Halliwell. 1,674,641; June 26.
 Matrix for making casts. W. M. Schell. 1,675,517; July 3.
 Matrix-making machine. H. F. Bechman. 1,655,855; Jan. 10.
 Matrix-making machine, Stereotype. G. M. Repp. 1,661,267; Mar. 6.
 Matrix rolling tables, Driving mechanism for. A. H. Cruse. 1,658,429; Feb. 7.
 Matrix-setting and line-casting machine. K. Röger. 1,670,989; May 22.
 Matting. W. J. Reilly. 1,663,139; Mar. 20.
 Mattress. H. G. Brandwein. 1,666,280; Apr. 17.
 Mattress. L. G. Ihrig. 1,662,973; Mar. 20.
 Mattress. H. Krásity. 1,668,373; May 1.
 Mattress and cushion. C. C. Meutsch. 1,682,394; Aug. 28.
 Mattress and like structure. J. F. Gail. 1,659,255; Feb. 14.
 Mattress and screen-pole securing device, Submerged. H. N. Moody. 1,655,609; Feb. 7.
 Mattress and side stitching the same. W. B. Mathewson. 1,695,736; Dec. 18.
 Mattress-beating machine. J. W. Droll. 1,683,658; Sept. 11.
 Mattress carrier. E. Nelson. 1,689,960; Oct. 30.
 Mattress-filling machine. P. Baker. 1,666,549; Apr. 17.
 Mattress-making apparatus. J. W. Bowersox. 1,687,002; Oct. 9.
 Mattress or cushion and boxing therefor and making same. J. F. Gail. 1,677,232; July 17.
 Mattress ventilator. F. Kusterle. 1,691,629; Nov. 13.
 Mattresses and like structures, Filling for. J. F. Gail. 1,671,363; May 29.
 Mattresses, Apparatus for preparing felt fillers for. H. R. Swanson and W. H. Robinson. 1,668,575; May 8.
 Mattresses, Process and apparatus for making composite. J. H. Hirsch and J. F. Gail. 1,688,333; Oct. 23.
 Mausoleum. O. G. Gilden. 1,657,619; Jan. 31.
 Mausoleum, Community. G. B. Webb and E. Gilzean. 1,670,871; May 22.
 Maximum-demand device. A. Roth. 1,686,035; Oct. 2.
 Maximum-demand meter. L. W. Chubb. 1,664,243; Mar. 27.
 Maximum-demand meter. F. C. Holtz. 1,654,730; Jan. 3.
 Mayonnaise, Machine for making. S. B. Drucker. 1,660,006; Feb. 21.
 Mayonnaise-making machine. S. B. Drucker. 1,660,007; Feb. 21.
 Mayonnaise product and producing same. A. K. Epstein and M. C. Reynolds. 1,664,775; Apr. 3.
 Measure, Batter and candy. J. W. Weaver. 1,683,506; Sept. 4.
 Measure, Lens. E. D. Tillyer and N. M. Baker. 1,671,912; May 29.
 Measure, Liquid. W. R. Brookins. 1,666,085; Apr. 17.
 Measure, Swing-spout. S. E. Allen and O. N. Wiswell. 1,662,050; Mar. 13.
 Measurement, Method and apparatus for distance and direction. R. L. Williams. 1,677,944; July 24.
 Measurements, Electrical. J. W. Horton. 1,695,047; Dec. 11.
 Measurements of the calorific value of combustion fluids, Apparatus particularly applicable to. H. N. Packard. 1,662,802; Mar. 13.
 Measuring a substance carried in suspension by a second substance. A. R. Smith. 1,677,691; July 17.
 Measuring and computing device. C. C. Little. 1,661,151; Feb. 28.
 Measuring and cutting device for coil-winding machines, Adjustable. S. Wadsten. 1,680,489; Aug. 14.
 Measuring and dispensing apparatus, Fluid. A. Osolin. 1,668,376; May 1.
 Measuring and dispensing apparatus, Grease. C. R. Buchet and T. E. Baker. 1,668,003; May 1.
 Measuring and dispensing apparatus, Liquid. L. E. Baker and C. L. Merriman. 1,667,137; Apr. 24.
 Measuring and dispensing apparatus, Liquid. L. A. Dourson. 1,657,377; Jan. 24.
 Measuring and dispensing apparatus, Liquid. R. L. Edison. 1,696,841; Dec. 25.
 Measuring and dispensing apparatus, Liquid. J. T. Greeley and O. W. Brunell. 1,659,258; Feb. 14.
 Measuring and dispensing apparatus, Liquid. C. L. Merriman. 1,677,285; July 17.
 Measuring and dispensing attachment for bottles. G. W. Perks. 1,671,542; May 29.
 Measuring and dispensing device. R. V. Graham. 1,684,313; Sept. 11.
 Measuring and drafting instrument, Combined. F. L. Bane. 1,696,832; Dec. 25.
 Measuring and feeding plastic substances, Apparatus for. W. E. Prescott. 1,687,694; Oct. 16.
 Measuring and recording machine. L. A. Durgin. 1,678,181; July 24.
 Measuring and tempering device, Liquid. F. X. Lauterbur. 1,657,264; Jan. 24.
 Measuring apparatus. O. V. Holmquist. 1,663,598; Mar. 27.
 Measuring apparatus. W. G. Joy and C. R. Cherry. 1,668,370; May 1.
 Measuring apparatus. A. T. Light. 1,662,523; Mar. 13.
 Measuring apparatus. J. G. Norton. 1,671,737; May 29.
 Measuring apparatus. A. Steinle. 1,657,326; Jan. 24.
 Measuring apparatus, Electrical. L. L. Lockrow. 1,688,932; Oct. 23.
 Measuring apparatus, Electrical. F. Wunsch. 1,665,397; Apr. 10.
 Measuring apparatus, Foot. C. H. Brown. 1,667,100; Apr. 24.
 Measuring apparatus, Foot and last. E. W. Sidwell. 1,670,693; May 22.
 Measuring apparatus for paving machines. T. W. Rosholt and H. Cederstrom. 1,684,971; Sept. 18.
 Measuring apparatus for the thickness of webs. W. Beckmann and A. Schopper. 1,692,243; Nov. 20.
 Measuring apparatus for whey and the like. E. C. Darrow. 1,656,049; Jan. 10.

- Measuring apparatus, Liquid. R. F. M. Webking. 1,684,785; Sept. 18.
- Measuring balance of electrical networks. S. B. Wright. 1,675,441; July 3.
- Measuring batches of material, Mechanism for. L. S. Pfouts. 1,674,991; June 26.
- Measuring box. F. J. Straub. 1,692,356; Nov. 20.
- Measuring bridge, Impedance. W. J. Shackelton. 1,695,032; Dec. 11.
- Measuring can. R. D. Hughes. 1,664,560; Apr. 3.
- Measuring can filler. J. G. Aiding. 1,688,773; Oct. 23.
- Measuring contact rebounding, System for. A. Weaver. 1,677,157; July 17.
- Measuring device. D. E. Baine. 1,690,919; Nov. 6.
- Measuring device. K. D. Bell and E. Meinzing. 1,679,927; Aug. 7.
- Measuring device. J. A. Conner. 1,658,370; Feb. 7.
- Measuring device. F. L. Dunn. 1,692,637; Nov. 20.
- Measuring device. H. G. Forsberg and C. A. Benson. 1,671,858; May 29.
- Measuring device. M. Gilbert. 1,679,157; July 31.
- Measuring device. F. W. Hild. 1,669,519; May 15.
- Measuring device. T. Hoeseth. 1,688,080; Oct. 16.
- Measuring device. A. H. Pfund. 1,673,266; June 12.
- Measuring device. T. A. Rich. 1,684,243; Sept. 11.
- Measuring device, Automatic volumetric. B. Opitz. 1,695,501; Dec. 18.
- Measuring device, Batch-. W. E. Beadle. 1,660,149; Feb. 21.
- Measuring device, Batch-. A. T. Light. 1,662,525; Mar. 13.
- Measuring device, Depth-. G. W. Smith. 1,695,033; Dec. 11.
- Measuring device, Electrical area-. D. E. Harding. W. E. Prescott. 1,687,694; Oct. 16.
- Measuring device, Electrically-controlled. G. Gourdon. 1,663,590; Mar. 27.
- Measuring device, Fluid-. T. J. Martin. 1,660,757; Feb. 28.
- Measuring device, Foot-. P. Jones. 1,670,664; May 22.
- Measuring device, Foot-arch-. G. Engelhardt. 1,660,326; Feb. 28.
- Measuring device for containers. C. O. Lundholm. 1,665,139; Apr. 3.
- Measuring device for fitting shoes, Foot-. E. J. Bliss. 1,666,040; Apr. 10.
- Measuring device, Grease-. J. C. Mulder. 1,688,505; Oct. 23.
- Measuring device, Liquid-. A. F. Anderson. 1,654,853; Jan. 3.
- Measuring device, Liquid-. C. R. Hardy. 1,680,103; Aug. 7.
- Measuring device, Liquid-. C. J. Lawson. 1,673,690; June 12.
- Measuring device, Liquid-. A. Nagel. 1,659,372; Feb. 14.
- Measuring device, Load-. F. J. Troll. 1,689,644; Oct. 30.
- Measuring device, Temperature. F. S. Stickney. 1,695,867; Dec. 18.
- Measuring device, Tension-. A. Marchev. 1,659,919; Feb. 21.
- Measuring device, Time-. P. De Bogory. 1,674,161; June 19.
- Measuring device, Visible liquid-. W. H. Opitz. 1,669,422; May 15.
- Measuring distance. H. C. Hayes. 1,692,119; Nov. 20.
- Measuring distance, Apparatus for. H. G. Dorsey. 1,680,507; Aug. 14.
- Measuring distance, Apparatus for. H. G. Dorsey and R. L. Williams. 1,678,560; July 24.
- Measuring distance, Method and apparatus for. H. G. Dorsey. 1,667,540; Apr. 24.
- Measuring distance, Method and apparatus for. R. L. Williams. 1,677,943; July 24.
- Measuring, Gas. E. I. McKesson. 1,677,147; July 17.
- Measuring given quantities of liquids, Apparatus for. A. Sausser. 1,673,207; June 12.
- Measuring instrument. E. H. Bristol. 1,686,263; Oct. 2.
- Measuring instrument. C. F. Christopher. 1,663,440; Mar. 20.
- Measuring instrument. R. D. Evans. 1,691,342; Nov. 13.
- Measuring instrument. C. L. Fortescue. 1,695,890; Dec. 18.
- Measuring instrument. G. B. Gallasch. 1,671,709; May 29.
- Measuring instrument. E. H. Gates. 1,691,279; Nov. 13.
- Measuring instrument. A. L. Harter. 1,662,670; Mar. 13.
- Measuring instrument. C. G. Hershey. 1,679,524; Aug. 7.
- Measuring instrument. W. Jandus. 1,677,864; July 17.
- Measuring instrument. J. Koenigsberger. 1,684,229; Sept. 11.
- Measuring instrument. H. Y. Norwood. 1,657,805; Jan. 31.
- Measuring instrument. W. Wermeille. 1,696,132; Dec. 18.
- Measuring instrument, Electric. T. A. Rich. 1,674,482; June 19.
- Measuring instrument, Electrical. L. M. Aspinwall. 1,689,849; Oct. 30.
- Measuring instrument, Electrical. W. M. Bradshaw. 1,686,727; Oct. 9.
- Measuring instrument, Electrical. J. H. Cone. 1,686,652; Oct. 9.
- Measuring instrument, Electrical. F. Conrad. 1,695,917; Dec. 18.
- Measuring instrument, Electrical. A. J. Corson and S. C. Hoare. 1,667,624; Apr. 24.
- Measuring instrument, Electrical. R. D. Evans. 1,684,056; Sept. 11.
- Measuring instrument, Electrical. W. E. Hull. 1,656,116; Jan. 10.
- Measuring instrument, Electrical. I. F. Kinnard and W. H. Pratt. 1,659,549; Feb. 14.
- Measuring instrument, Electrical. P. Kreisel. 1,684,061; Sept. 11.
- Measuring instrument, Electrical. B. G. La Bar. 1,691,354; Nov. 13.
- Measuring instrument, Electrical. J. W. Legg. 1,686,669; Oct. 9.
- Measuring instrument, Electrical. H. H. Lyon. 1,686,019; Oct. 2.
- Measuring instrument, Electrical. C. T. Mason. 1,680,465; Aug. 14.
- Measuring instrument, Electrical. J. H. Miller. 1,663,768; Mar. 27.
- Measuring instrument, Electrical. D. F. Miner. 1,684,065; Sept. 11.
- Measuring instrument, Electrical. W. C. Mylius. 1,691,357; Nov. 13.
- Measuring instrument, Electrical. W. G. Mylius and C. M. Hoeffman. 1,684,191; Sept. 11.
- Measuring instrument, Electrical. W. G. Mylius and B. G. La Bar. 1,686,635; Oct. 9.
- Measuring instrument, Electrical. C. Oman. 1,669,572; May 15.
- Measuring instrument, Electrical. R. T. Pierce. 1,656,013; Jan. 10.
- Measuring instrument, Electrical. R. T. Pierce. 1,658,902; Feb. 14.
- Measuring instrument, Electrical. R. T. Pierce. 1,686,639; Oct. 9.
- Measuring instrument, Electrical. C. H. H. Rodanet. 1,682,252; Aug. 28.
- Measuring instrument, Electrical. A. R. Rutter. 1,662,835; Mar. 20.
- Measuring instrument, Electrical. A. R. Rutter. 1,686,712; Oct. 9.
- Measuring instrument, Electrical. A. R. Rutter and W. G. Mylius. 1,695,861; Dec. 18.
- Measuring instrument, Electrical. J. Slepian. 1,687,905; May 1.
- Measuring instrument, Electrical. V. H. Wood. 1,686,645; Oct. 9.
- Measuring instrument, Foot-. C. F. Brannock. 1,682,366; Aug. 28.
- Measuring instrument, Lens-. A. E. Glancy and E. D. Tillyer. 1,672,566; June 5.
- Measuring instrument, Pressure-difference-. M. Weiss. 1,658,699; Feb. 7.
- Measuring instrument, Propeller-blade-. L. H. Coolidge. 1,696,525; Dec. 25.
- Measuring instruments, Separable-arm construction for. E. H. Bristol. 1,689,182; Oct. 23.
- Measuring instrument, Stereoscopic. R. Hugershoff. 1,679,661; Aug. 7.
- Measuring instrument, Stratigraphic. T. Reinhold. 1,658,537; Feb. 7.
- Measuring light, photometer, Device for optically. E. Mayer. 1,687,79; Feb. 14.
- Measuring machine. A. Kingsbury. 1,662,425; Mar. 13.
- Measuring machine. L. O. Ramsdell. 1,658,351; Feb. 7.
- Measuring machine, Batter-. G. Gerace and J. W. Weaver. 1,662,969; Mar. 20.
- Measuring machine, Cloth-. E. E. Spiegel. 1,659,380; Feb. 14.
- Measuring machine, Cloth-. A. Vanderveld. 1,676,587; July 10.
- Measuring machine, Fabric-. H. T. Goss. 1,679,899; Aug. 7.
- Measuring machine, Strip-. C. de Moos. 1,658,372; Feb. 7.
- Measuring machine, Unit-. C. N. Bergmann. 1,659,802; Feb. 21.
- Measuring machine, Unit-. C. N. Bergmann. 1,676,377; July 10.
- Measuring machines, Cover-placing mechanism for unit-. C. N. Bergmann, E. Z. Taylor, and C. Taylor. 1,676,378; July 10.
- Measuring machines, Subdividing attachment for. J. R. Litty and T. B. Lundin. 1,685,425; Sept. 25.
- Measuring or testing, Device for stress. W. A. Perkins and W. W. Gayman. 1,670,981; May 22.
- Measuring pot, Float-supported. J. Leyland. 1,686,823; Oct. 9.
- Measuring pressure, Apparatus for. C. F. Smith. 1,670,670; May 22.
- Measuring production, Apparatus for. P. A. Cooney. 1,687,281; Oct. 9.
- Measuring production, Apparatus for. E. A. Hodge. 1,672,030; June 5.
- Measuring set, Automatic transmission-. F. H. Best. 1,663,750; Mar. 27.
- Measuring space dimensions of objects, Apparatus for. R. Craig. 1,655,386; Jan. 3.
- Measuring stick, Last-. L. E. Topham. 1,679,387; Aug. 7.
- Measuring system. H. M. Bascom. 1,679,396; Aug. 7.
- Measuring system, Electric. G. Lichtscheindl. 1,655,276; Jan. 3.
- Measuring system, Electric. K. Lubowsky. 1,687,575; Oct. 16.
- Measuring system, High-frequency. H. A. Affel. 1,660,405; Feb. 28.

- Measuring system. High-frequency. H. A. Affel. 1,678,665; July 31.
- Measuring tape, Micrometer. R. L. Schaap. 1,672,913; June 12.
- Measuring temperature. H. D. Matthews. 1,691,247; Nov. 13.
- Measuring the density of gas. G. König. 1,664,752; Apr. 3.
- Measuring the frequency of the pulse, Mechanism for. R. Goldschmidt. 1,675,799-800; July 3.
- Measuring the moisture content of materials, Apparatus for. S. S. Amdursky. 1,690,155; Nov. 6.
- Measuring the perimeter of teeth, Instrument for. F. Tizzani. 1,666,430; Apr. 17.
- Measuring the rate of flow of fluids, Apparatus for. G. Sacco Albanese. 1,690,949; Nov. 6.
- Measuring the rate of mass flow and the temperature of fluids and apparatus therefor. C. F. Brush, jr. and R. D. Fay. 1,691,600; Nov. 13.
- Measuring the shrinkage of materials, Apparatus for. F. W. Gunther and G. P. Fisher. 1,688,330; Oct. 23.
- Measuring variable forces. J. G. Paulin. 1,690,455; Nov. 6.
- Measuring variable forces, Apparatus for. J. G. Paulin. 1,681,309; Aug. 21.
- Measuring volt amperes in an alternating-current circuit. L. A. Paine. 1,673,919; June 19.
- Measuring weir. C. W. Cheatham. 1,676,855; July 10.
- Meat chopper. R. Roessler. 1,692,574; Nov. 20.
- Meat clamp. J. Hopkinson. 1,684,223; Sept. 11.
- Meat curative, Making a. S. E. Colgin. 1,678,056; July 24.
- Meat-cutting table. B. G. Brennan. 1,686,122; Oct. 2.
- Meat-roll-forming machine. A. Vanderput. 1,664,337; Mar. 27.
- Meat-seasoning fork. H. E. Bowen. 1,661,585; Mar. 6.
- Meat tenderer. H. S. Johns. 1,678,699; July 31.
- Meat-washing machine. G. A. Hornel. 1,670,809; May 22.
- Meats, Preparing smoked joint. A. W. Cushman. 1,676,730; July 10.
- Meats, Processing of. I. N. Jordan. 1,663,707; Mar. 27.
- Mechanical device. A. A. Morton. 1,681,424; Aug. 21.
- Mechanical device. H. Rabinowitz. 1,679,627; Aug. 7.
- Mechanical elements from shafts, etc., Device for removing. A. K. Ellis and R. Henry. 1,688,535; Oct. 23.
- Mechanical furnace. O. H. Buse. 1,693,366; Nov. 27.
- Mechanical horse. H. M. T. Peters. 1,671,162; May 29.
- Mechanical means for use in finding geographical position in navigation. G. W. Littlehales. 1,673,836; June 19.
- Mechanical movement. G. T. Basler. 1,694,961; Dec. 11.
- Mechanical movement. F. R. Belluche. 1,678,548; July 24.
- Mechanical movement. A. B. Clisson. 1,671,065; May 22.
- Mechanical movement. J. C. Conn. 1,690,096; Nov. 6.
- Mechanical movement. J. S. Curran. 1,691,644; Nov. 13.
- Mechanical movement. E. Davis. 1,696,628; Dec. 25.
- Mechanical movement. J. A. Dormer. 1,692,160; Nov. 20.
- Mechanical movement. A. H. G. Fokker. 1,659,650; Feb. 21.
- Mechanical movement. M. K. Holmes. 1,678,942; July 31.
- Mechanical movement. S. R. Jackson. 1,676,441; July 10.
- Mechanical movement. A. Rasmussen. 1,670,903; May 22.
- Mechanical movement. C. A. Reeves. 1,672,170; June 5.
- Mechanical movement. R. E. Schley. 1,676,506; July 10.
- Mechanical movement. R. D. Schnoor. 1,695,064; Dec. 11.
- Mechanical movement. B. F. Upham. 1,693,415; Nov. 27.
- Mechanical movement. G. O. Wilms. 1,685,113; Sept. 25.
- Mechanical movement and regulating device. G. A. Boettcher. 1,683,650; Sept. 11.
- Mechanical press. E. A. Tarkelsen. 1,679,637; Aug. 7.
- Mechanical stud-driving device. L. A., and C. F. Well. 1,664,442; Apr. 3.
- Mechanism for actuating change-speed gears. H. Moran. 1,689,045; Oct. 23.
- Mechanism for controlling business. H. R. Brand. 1,672,362; June 5.
- Mechanism for direct mechanical adjusting of the abutment for the thread guides on flat hosiery frames. E. Glück. 1,692,168; Nov. 20.
- Mechanism for disintegrating dislodged material. K. Davis. 1,682,555; Aug. 28.
- Mechanism for making side-seam envelopes. C. L. Tucker. 1,685,469; Sept. 25.
- Mechanism for opening and closing gates, windows, and similar structures. F. E. Wellfare. 1,666,113; Apr. 17.
- Mechanism for preventing lost motion. R. B. Lewis. 1,694,188; Dec. 4.
- Mechanism for procuring and controlling the broadside movement of metal bars. F. P. Dahlstrom. 1,691,645; Nov. 13.
- Mechanism for producing cam-like or similar irregular motions. C. G. Garrard. 1,666,893; Apr. 24.
- Mechanism for use with articulated mold forms. H. R. Suiter. 1,696,699; Dec. 25.
- Medallion, Lace. W. Meads. Des. 76,031; Aug. 14.
- Medical applicator. C. E. Frey. 1,686,151; Oct. 2.
- Medical compound, Agar. G. C. Miller, J. F. Kurka, and L. B. Chase. 1,688,053; Oct. 16.
- Medical instrument. C. W. Slusser. 1,676,057; July 3.
- Medical instrument with condenser, Induced-current. K. Murakoshi. 1,681,708; Aug. 21.
- Medical irrigation apparatus. C. Wood. 1,658,754; Feb. 7.
- Medicament cartridge and hypodermic syringe embodying the same. H. S. Cook. 1,687,323; Oct. 9.
- Medicament dispenser for lung treatments, Powdered. D. N. E. Campbell. 1,696,469; Dec. 25.
- Medicament for treating diseases of the stomach and intestines. A. Fischer. 1,656,784; Jan. 17.
- Medicament injector. F. F. Coon, jr. 1,669,601; May 15.
- Medicinal instrument. L. M. Edens. 1,678,562; July 24.
- Medicinal roller. J. H. Weber. 1,664,009; Mar. 27.
- Medicinal spraying device. P. C. Bingham. 1,658,830; Feb. 14.
- Medicine-administering device. S. Levy, jr. 1,684,999; Sept. 18.
- Medicine dropper or syringe. J. U. Lloyd. 1,662,682; Mar. 13.
- Medicine for hogs. R. L. Hardy. 1,658,719; Feb. 7.
- Medicine, Topical. A. A. Hoopman. 1,676,554; July 10.
- Megaphone and reflex resonator for sound-emitting machines, Combined amplifying. F. D. Arnold. 1,681,208; Aug. 21.
- Melting furnace. C. E. Frazier. 1,675,542; July 3.
- Melting paraffin, Device for. E. S. Whittier. 1,696,826; Dec. 25.
- Melting pot. L. W. Jones. 1,664,779; Apr. 3.
- Melting pot, Electric. F. Kuhn and L. H. Thomas. 1,690,415; Nov. 6.
- Melting pot for linotype machines, Auxiliary. G. L. Curle. 1,691,380; Nov. 13.
- Melting pot, Portable. W. F. Clark. 1,681,099; Aug. 14.
- Memo pad, Kitchen. C. M. Kizer. 1,680,525; Aug. 14.
- Membrane, Ultrafilter. J. Duclaux. 1,693,890; Dec. 4.
- Memorandum holder for automobile steering wheels. J. Polite. Des. 76,414; Sept. 25.
- Memorandum pad. F. Roeger. 1,678,445; July 24.
- Memorandum-pad device. F. Roeger. 1,674,265; June 19.
- Memorization device. J. E. McDade. 1,666,337; Apr. 17.
- Mending fabric articles. H. Liedtke. 1,665,968; Apr. 10.
- Menthol. Purification of inactive. K. Schöllkopf. 1,672,346; June 5.
- Menu or advertising device, Adjustable. J. Dicomos and P. Janos. 1,692,633; Nov. 20.
- Merchandise displaying and advertising means. J. F. Smiley. 1,668,289; May 1.
- Merchandise package. A. B. Stewart. 1,673,956; June 19.
- Merchandising, Accessory. G. A. Burandt and A. W. Nordgren. 1,683,525; Sept. 4.
- Merchandising case, Portable. C. W. Lewis. 1,666,537; Apr. 17.
- Mercurial printing surface. A. R. Trist. 1,665,000; Apr. 3.
- Mercury and producing same, Organic compound of. E. C. White. 1,692,237; Nov. 20.
- Mercury-arc device. V. K. Zworykin. 1,696,023; Dec. 18.
- Mercury-arc-rectifier starting device. E. W. Breisch. 1,657,495; Jan. 31.
- Mercury compound, Organic. E. Lyons. 1,663,204-5; Mar. 20.
- Mercury compound, Polyhydroxy. H. Gunzler and O. Neubert. 1,677,823; July 17.
- Mercury rectifier. C. Krämer. 1,694,328; Dec. 4.
- Mercury rectifier. L. T. Robinson. 1,655,477; Jan. 10.
- Mercury switch. R. W. Armstrong and I. C. McCabe. 1,658,013; Jan. 31.
- Mercury switch. I. E. McCabe and R. W. Armstrong. 1,674,601; June 19.
- Mercury switch. J. P. O'Shea. 1,676,408; July 10.
- Mercury switch. W. R. Walker. 1,658,620; Feb. 7.
- Mercury switch. W. E. Walker. 1,676,754; July 10.
- Mercury-vapor rectifier. O. Seitz. 1,682,428; Aug. 28.
- Meringue-applying device. W. Ehrlich. 1,654,538; Jan. 3.
- Merry-go-round. J. G. C. Akers. 1,692,106; Nov. 20.
- Merry-go-round. C. B. Burbridge. 1,674,886; June 26.
- Merry-go-round. C. W. Field. 1,661,219; Mar. 6.
- Merry-go-round. R. F. Lamar. 1,667,163; Apr. 24.
- Merry-go-round and seesaw, Combined. R. W. Jamison. 1,659,735; Feb. 21.
- Mesh machine. F. H. Lynds. 1,666,745; Apr. 17.
- Mesh machine. F. H. Lynds. 1,666,940; Apr. 24.
- Mesh machine. O. Soderstrom. 1,666,951; Apr. 24.
- Message receiving and delivering device, Prepayment. R. Buchner. 1,688,114; Oct. 16.
- Message-transmitting system, Secret-. E. Belln. 1,657,366; Jan. 24.
- Metal alcoholates, Producing complex. H. Meerwein. 1,689,356; Oct. 30.
- Metal alloy. L. R. Brink. 1,671,952; May 29.
- Metal and the like, Protective coating for. J. B. W. Gardiner. 1,678,980; July 31.
- Metal, Apparatus for annealing. F. Giesecke. 1,674,431; June 19.
- Metal, Apparatus for drawing. C. Bergmann, jr. 1,683,123; Sept. 4.
- Metal, Apparatus for hot working. W. von Kossowski. 1,663,576; Mar. 27.
- Metal article, Composite. W. R. Whitney. 1,685,657; Sept. 25.

- Metal articles, Coating. J. W. Powell. 1,662,865; Mar. 20.
- Metal articles, Increasing the elasticity of. G. L. Kelley. 1,667,476; Apr. 24.
- Metal articles, Increasing the strength of sheet. H. Z. Cutler. 1,680,504; Aug. 14.
- Metal articles, Making. E. M. Wise. 1,689,810; Oct. 30.
- Metal articles, Making sheet. R. V. Proctor. 1,663,316; Mar. 20.
- Metal articles, Treating. L. Schulte. 1,678,359; July 24.
- Metal articles with metal, Method and apparatus for coating. W. T. Herren. 1,660,558; Feb. 28.
- Metal balls, Device for the manufacture of. F. Hering. 1,674,112; June 19.
- Metal bands, Adjuster for. A. W. Wadsworth. 1,660,311; Feb. 21.
- Metal bands around packing cases and other packages, Apparatus for tensioning and sealing. A. C. Payne. 1,665,323; Apr. 10.
- Metal base. J. F. Dowell. 1,673,971; June 19.
- Metal bending and straightening machine. W. P. Woods. 1,659,181; Feb. 14.
- Metal-bending machine. S. H. Gibson. 1,684,794; Sept. 18.
- Metal-bending machine. J. J. Mullen and F. M. Stambaugh. 1,687,988; Oct. 16.
- Metal, Bonding. F. C. Mathison. 1,677,354; July 17.
- Metal box. W. C. Hering. 1,696,483; Dec. 25.
- Metal bracket, Combination. H. C. Hanna. 1,665,782; Apr. 10.
- Metal can. J. M. Hothersall. Des. 74,835; Apr. 3.
- Metal can, Multiple-ply sanitary. A. Moore. 1,693,956; Dec. 4.
- Metal-casting machine. W. S. Hadaway, jr. 1,664,882; Apr. 3.
- Metal chair. E. F. Trudo. 1,694,293; Dec. 4.
- Metal checks, Method and apparatus for selecting. H. E. Wurzbach and L. H. Wadsworth. 1,693,104; Nov. 27.
- Metal-coated sheet and making the same. H. A. Roemer and D. A. Williams. 1,675,134; June 26.
- Metal, Coating. E. H. Millring. 1,660,847; Feb. 28.
- Metal-coating machine. A. R. Curtis. 1,669,975; May 15.
- Metal-coating machine. W. J. Hawkins. 1,672,526; June 5.
- Metal coatings, Production of galvanic. F. Kirschner. 1,664,750; Apr. 3.
- Metal composition. K. Bernhoeft. 1,658,702; Feb. 7.
- Metal composition. K. Bernhoeft. 1,658,757; Feb. 7.
- Metal connection for plain-end pipe sections, Wrought. F. N. Smith. 1,671,789; May 29.
- Metal connection for threaded pipe sections, Wrought. J. Clark, F. N. Smith, and J. Meese. 1,680,499; Aug. 14.
- Metal cores, Removing. C. D. Black. 1,656,312; Jan. 17.
- Metal corner for cleated cases, Reinforcing. T. R. Winchell. 1,672,108; June 5.
- Metal cross tie for railroad use. A. Whitney. 1,687,049; Oct. 9.
- Metal-cutting machine. F. S. Jones. 1,663,556; Mar. 27.
- Metal, Cutting slots in. C. J. Coberly. 1,666,166; Apr. 17.
- Metal detector, Hidden. S. Herr. 1,679,339; July 31.
- Metal, Disintegrating. E. J. Hall. 1,659,291; Feb. 14.
- Metal-drawing apparatus. D. C. Kinnear. 1,667,387; Apr. 24.
- Metal-dust mixture, Producing a. M. H. Newell. 1,687,034; Oct. 9.
- Metal-finishing machine. O. F. Tapley. 1,677,375; July 17.
- Metal fitting for detachable bridge denture, Attachment. K. Inoue. 1,673,286; June 12.
- Metal, Fitting for sheet. J. Ironside. 1,662,068; Mar. 13.
- Metal foundation for composite floors. H. B. Chamberlain. 1,682,551; Aug. 28.
- Metal from blast furnaces, Using direct. R. Moldenke. 1,691,401; Nov. 13.
- Metal glufins and product thereof, Producing. K. Küttel. 1,686,281; Oct. 2.
- Metal hair tube. D. J. Bolduc. 1,676,681; July 10.
- Metal halides, Preparation of. J. W. Marden. 1,665,634; Apr. 10.
- Metal, Handling. R. T. Romine. 1,668,530; May 1.
- Metal, Heat treatment of. C. L. Ipsen. 1,658,682; Feb. 7.
- Metal drawback for curtains and draperies. G. Madvig. Des. 76,197; Aug. 28.
- Metal horse. R. Dysinger. 1,656,558; Jan. 17.
- Metal impressions, Making. H. Swan. 1,669,358; May 8.
- Metal insert for concrete work, Adjustable. C. H. Bauer. 1,695,909; Dec. 18.
- Metal machine, Expanded. R. G. Birkholz. 1,676,517; July 10.
- Metal manufacture and products, Spun. R. G. Nelson. 1,680,061; Aug. 7.
- Metal, Method of and apparatus for disintegrating bulky scrap. J. E. Ring. 1,665,806; Apr. 10.
- Metal mold. A. B. Norton. 1,675,043; June 26.
- Metal mold. A. R. Norton and M. Guyot. 1,679,869; Aug. 7.
- Metal molds, Riser for. J. L. Dostal. 1,670,613; May 22.
- Metal objects, Uniting. O. D. Treiber. 1,692,966; Nov. 27.
- Metal particles, Apparatus for reworking finely-divided. J. Schmeller, sr. 1,659,445; Feb. 14.
- Metal parts by fusion, Method of and furnace for uniting. C. Steenstrup. 1,659,550; Feb. 14.
- Metal parts together, Uniting. A. J. Weatherhead, jr. 1,684,932; Sept. 18.
- Metal patterns by electrodeposition, Mold for making. A. K. Laukel. 1,665,062; Apr. 3.
- Metal pickling. J. H. Gravel and A. Douty. 1,678,776; July 31.
- Metal pipe, Sheet. J. D. Smith. 1,693,621; Dec. 4.
- Metal pipe while cooling, Preventing oxidation of. B. P. Hazeltine. 1,663,497; Mar. 20.
- Metal pipes, Lock joint for. J. A. Krantz. 1,654,738; Jan. 3.
- Metal pot. A. N. Otis. 1,672,728; June 5.
- Metal powders, Production of rare. J. W. Marden. 1,659,209; Feb. 14.
- Metal powders, Purification of. J. W. Marden. 1,665,635; Apr. 10.
- Metal product, Composite. F. F. Fowle. 1,679,518; Aug. 7.
- Metal railroad tie. E. G. Teichart. 1,662,685; Mar. 13.
- Metal-reclaiming process. W. C. Nordling and A. Stewart, jr. 1,669,485; May 15.
- Metal-recovery machine, Precious. C. Loveridge and A. E. Cox. 1,668,162; May 1.
- Metal-reforming method and apparatus. J. L. Auble. 1,692,400; Nov. 20.
- Metal, Rolling. J. W. Sheperdson. 1,669,788; May 15.
- Metal rolling. J. B. Tytus. 1,683,001; Sept. 4.
- Metal rolling. J. B. Tytus. 1,689,463; Oct. 30.
- Metal, Rolling sheet. J. B. Tytus. 1,683,003; Sept. 4.
- Metal, Rolling thin strips of. W. S. Kellar. 1,655,373; Jan. 3.
- Metal salts of sulpho-arsenol, Manufacture of. F. Lehnhoff-Wyld. 1,674,711; June 26.
- Metal salts of the n-methylene-sulphonic acids of diamindihydroxyarsenobenzenol or sulpho-arsenol. F. Lehnhoff-Wyld. 1,671,141; May 29.
- Metal-scraping apparatus. W. J. Stoop. 1,686,398; Oct. 2.
- Metal shears. J. Jensen. 1,680,303; Nov. 6.
- Metal-sheathed structure. J. Levine. 1,669,667; May 15.
- Metal sheet piling. K. Pahl. 1,661,496; Mar. 6.
- Metal sheeting. R. R. Bloss, H. T. Strout, and H. R. Ansel. 1,659,988; Feb. 21.
- Metal sheets, Method and apparatus for slitting. J. H. Dean. 1,664,247; Mar. 27.
- Metal sheets, Shearing. G. E. Mirfield. 1,665,319; Apr. 10.
- Metal-spinning apparatus. R. G. Nelson. 1,671,994; June 5.
- Metal squeeze roll, Sectional. F. L. Furbush. 1,671,522; May 29.
- Metal step. H. T. Anderson. 1,680,032; Aug. 7.
- Metal store front. J. Hare. 1,671,029; May 22.
- Metal stringing and making the same, Elastic. W. A. Larned. 1,694,360; Dec. 4.
- Metal stringing and making the same, Elastic. W. A. Larned. 1,695,595; Dec. 18.
- Metal strips, Rolling. J. B. Tytus. 1,664,580; Apr. 3.
- Metal structure for railway cars. A. E. Small. Re17,095; Oct. 2.
- Metal structure, Heat-resisting. E. R. Powell. 1,670,378; May 22.
- Metal structure, Portable. J. Bergesen, sr. 1,678,971; July 31.
- Metal-surfaced material. R. E. Drake. 1,680,096; Aug. 7.
- Metal surfaces, Treatment of. W. Smith. 1,672,180; June 5.
- Metal table. C. C. O'Connor. 1,684,966; Sept. 18.
- Metal-tempering apparatus. H. J. Gaisman and C. Schumacher. 1,683,129; Sept. 4.
- Metal-treating compound and making same. M. L. Moyer. 1,659,214; Feb. 14.
- Metal trim. I. A. Baum. 1,696,749; Dec. 25.
- Metal trim for windows. G. A. Knapp. 1,674,439; June 19.
- Metal tube. J. L. Sussman. 1,666,401; Apr. 17.
- Metal-tubing machine. C. E. Wilson and H. Huenerkopf. 1,683,223; Sept. 4.
- Metal tubes, Process and apparatus for spinning. H. E. Rainaud. 1,666,581; Apr. 17.
- Metal wall and making same, Flexible. F. K. Bezenberger. 1,667,303; Apr. 24.
- Metal wheel. J. M. Jones. Re17,140; Nov. 20.
- Metal wheel. G. Walther. 1,665,485; Apr. 10.
- Metal wheel, Pressed. F. A. Turner. 1,659,338; Feb. 14.
- Metal-work banding. O. B. Bach. Des. 75,468-70; June 12.
- Metal work, Decorative panel for. O. B. Bach. Des. 75,090-2; May 8.
- Metal working. J. R. Blakeslee. 1,691,878; Nov. 13.
- Metal-working apparatus, Feeding and discharging mechanism for. E. H. Wilson. 1,659,848; Feb. 21.
- Metal-working machine. H. C. Erdman. 1,685,319; Sept. 25.
- Metal-working machine. B. M. W. Hanson. 1,689,135; Oct. 23.
- Metal-working machine. A. Krebs. 1,658,927; Feb. 14.
- Metal-working machine. C. M. Yoder. 1,668,298; May 1.
- Metal-working machine, Combined. F. Riess. 1,662,013; Mar. 6.
- Metal-working machine, Combined. F. Riess. 1,662,014; Mar. 6.

- Metal-working machines, Automatic feed for. W. H. Stickler. 1,668,787; May 8.
- Metal-working machines, Centering and holding device for. C. D. Hellyer. 1,674,286; June 19.
- Metal-working machines, Cut-off mechanism for. J. and B. Province. 1,685,377; Sept. 25.
- Metal-working press, Sheet-. F. J. Rode. 1,670,551; May 22.
- Metals, Addition material for ferrous. P. D. Merica and T. H. Wickenden. 1,680,058; Aug. 7.
- Metals, Addition material for ferrous. P. D. Merica and T. H. Wickenden. 1,680,161; Aug. 7.
- Metals and chemicals by means of iodine, Manufacturing. A. A. Ossa. 1,660,884; Feb. 28.
- Metals and metal alloys low in carbon, Producing. G. H. Flodin. 1,691,272; Nov. 13.
- Metals, Apparatus and method for recovering precious. J. E. Hopkins. 1,678,142; July 24.
- Metals, Apparatus for refining. J. Maximoff, M. S. De Costa, and R. P. D. Krebs. 1,681,191; Aug. 21.
- Metals, Cleaning and pickling of. G. D. Chamberlain. 1,671,627; May 29.
- Metals, Carburization of. G. W. Hegel and G. R. Brophy. 1,696,603; Dec. 25.
- Metals, Extrusion of. E. Mitchell. 1,682,399; Aug. 28.
- Metals for chemical use, Preparation of. C. A. Kraus and C. C. Callis. 1,655,908; Jan. 10.
- Metals from ammoniacal solutions, Precipitating heavy. C. Müller, L. Schlecht, and W. Schubardt. 1,686,391; Oct. 2.
- Metals from metallic sulphides, Extracting. A. B. Baghdasarian. 1,671,003; May 22.
- Metals from ores, Process and apparatus for production of. H. G. S. Anderson. 1,669,466; May 15.
- Metals from ores, Reduction of. J. W. Hornsey. 1,690,820; Nov. 6.
- Metals from their sulphides, Producing volatile. H. G. Flodin and E. G. T. Gustafsson. 1,680,098; Aug. 7.
- Metals in continuous cold rolling, Apparatus for the annealing of. L. Cammen. 1,676,685; July 10.
- Metals in electric furnaces, Producing. E. G. T. Gustafsson. 1,691,439; Nov. 13.
- Metals, Increasing the conductivity of. S. Ruben. 1,683,209; Sept. 4.
- Metals, Joining. F. C. Kelley. 1,655,273; Jan. 3.
- Metals on an incandescent body, Precipitating. A. E. van Arkel and J. H. de Boer. 1,671,213; May 29.
- Metals or metal alloys low in carbon directly out of ore or the like, Producing. H. G. Flodin and E. G. T. Gustafsson. 1,686,206; Oct. 2.
- Metals, Producing corrosion-resistant surfaces on. F. M. Becket. 1,672,444; June 5.
- Metals, Producing refractory. E. A. Lederer. 1,659,205; Feb. 14.
- Metals, Purifying. J. J. Conlin. 1,665,844; Apr. 10.
- Metals, such as magnesium or aluminum or their alloys and recovering such metals from scrap, Refining light. A. Beck. 1,661,526; Mar. 6.
- Metals, Treatment of. G. H. Howe. 1,655,269; Jan. 3.
- Metals, Treatment of. G. H. Howe. 1,673,624; June 12.
- Metaldehyde, Production of. E. Lüscher and H. Steiger. 1,693,204; Nov. 27.
- Metallic antimony, Purifying. C. A. Rose and C. L. Read. 1,662,439; Mar. 13.
- Metallic articles, Blanking. L. A. Frayer. 1,695,955; Dec. 18.
- Metallic articles such as stereotypic plates and producing same, Coated. C. C. Waller. 1,684,565; Sept. 18.
- Metallic bobbin base. C. C. Nixon and J. M. McLemore. 1,665,930; Apr. 10.
- Metallic composition and making the same. W. H. Judy. 1,686,277; Oct. 2.
- Metallic corner, Forming a. G. A. Gallowitz. 1,655,947; Jan. 10.
- Metallic effects on fabrics containing organic derivatives of cellulose, Obtaining. R. Clavel. 1,694,466; Dec. 11.
- Metallic element, Corrugated. A. E. Small. 1,674,137; June 19.
- Metallic parts against corrosion, Process and device for the protection of. F. Von Wurstemberger. 1,671,173; May 29.
- Metallic strips, Method and apparatus for making continuous. H. C. Fletcher. 1,671,360; May 29.
- Metallic structure, Soundproofing. G. L. Kelley. 1,664,114; Mar. 27.
- Metallic value recoverer. F. F. Berry. 1,688,109; Oct. 16.
- Metallic wall element, Corrugated. A. E. Small. 1,674,138; June 19.
- Metallic wall-plate element, Corrugated. A. E. Small. 1,674,140; June 19.
- Metallizing process. J. Von Bosse. 1,661,517; Mar. 6.
- Metallurgical furnace. A. J. Briggs. 1,687,925; Oct. 16.
- Metallurgical furnace. E. H. Bunce and G. T. Mahler. 1,674,947; June 26.
- Metallurgical furnace. H. Butt. 1,687,470; Oct. 9.
- Metallurgical furnace. A. M. Gow. 1,659,869; Feb. 21.
- Metallurgical furnace. F. B. McKune. 1,679,340; July 31.
- Metallurgical product and producing same. E. Schuz. 1,689,456; Oct. 30.
- Metallurgical separator. A. T. Sweet. 1,678,884; July 31.
- Metatarsal pad. A. Degling. 1,684,948; Sept. 18.
- Meter: See—
- Brake meter.
- Chart-recording meter.
- Coal meter.
- Compensated meter.
- Demand meter.
- Depth meter.
- Dynamic and efficiency meter.
- Electric meter.
- Electricity meter.
- Exposure meter.
- Flow meter.
- Fluid-flow meter.
- Fluid meter.
- Furnace-efficiency meter.
- Gas meter.
- Gradient meter.
- Impedance meter.
- Induction meter.
- Irrigation meter.
- Limiting and volumetric meter.
- Liquid meter.
- Meter. R. S. Blair. 1,654,915; Jan. 3.
- Meter. C. A. Dawley. 1,679,293; July 31.
- Meter. T. R. Goldsmith. 1,654,541; Jan. 3.
- Meter. G. B. Linderman, jr. 1,677,834-5; July 17.
- Meter. W. V. Stockton, jr. 1,666,075; Apr. 17.
- Meter. J. H. Wiggins. 1,669,315; May 8.
- Meter and the like. T. A. Banning, jr. 1,660,641; Feb. 28.
- Meter and the like, Flow. L. W. Thompson. 1,667,612; Apr. 24.
- Meter attachment for fluid meters, Demand-. C. I. Hall. 1,696,600; Dec. 25.
- Meter box. E. L. Nuebling. 1,667,981; May 1.
- Meter for combining the measurement of demand and energy. L. A. Paine. 1,677,203; July 17.
- Meter for concrete mixers, Batch. G. Jaeger. 1,682,340; Aug. 28.
- Meter for fluids. E. S. Lindley. 1,677,189; July 17.
- Meter for gas, Demand. J. M. Spitzglass. 1,657,324; Jan. 24.
- Meter for gas, water, electricity, or similar supply, Prepayment. J. Mettler. 1,670,592; May 22.
- Meter for measuring combined polyphase and signal-phase electrical energy. G. F. Drewry. 1,688,858; Oct. 23.
- Meter guard, Electric-. C. J. Gillen. 1,681,766; Aug. 21.
- Meter mounting. T. J. Newman. 1,690,174; Nov. 6.
- Meter mounting for service-station equipment. C. D. Fagan. 1,673,001; June 12.
- Meter-operating means. G. Babcock. 1,675,919; July 3.
- Meter system, Wheatstone-bridge. T. R. Harrison. 1,695,424; Dec. 18.
- Metering system. R. T. Pierce. 1,673,588; June 12.
- Metering system, Electrical. R. T. Pierce. 1,687,692; Oct. 16.
- Meters, Antitheft attachment for. W. A. Dilzell. 1,667,656; Apr. 24.
- Meters, Bottom for water. J. N. Calhoun. 1,681,027; Aug. 14.
- Meters, Multiple orifice for flow. J. M. Spitzglass. 1,671,617; May 29.
- Meters, Safety device for gas. G. Manglaradna. 1,664,179; Mar. 27.
- Meters to the instrument transformers and to the line, Method of and apparatus for checking the connections of watt-hour. W. C. Woodson, jr. 1,670,792; May 22.
- Methane, Chlorination of. E. Krause. 1,677,831; July 17.
- Methanol, Synthesis of. H. H. Storch. 1,681,751-3; Aug. 21.
- Method and sprinkling apparatus. R. A. Jones. 1,658,202; Feb. 7.
- Methyl eugenol, Manufacture of. W. G. Andrewartha. 1,678,416; July 24.
- Mica-separating machine. L. T. Frederick. 1,666,130; Apr. 17.
- Microcoupler. F. P. Hall. 1,687,762; Oct. 16.
- Micrometer. G. N. Kohlihaas. 1,695,336; Dec. 18.
- Micrometer. F. Neubauer. 1,667,562; Apr. 24.
- Micrometer attachment. R. W. Olson. 1,668,248; May 1.
- Micrometer attachment for adjusting tools. A. H. Waddell. 1,679,189; July 31.
- Micrometer, Bearing-clearance. C. S. Swaney. 1,656,302; Jan. 17.
- Micrometer caliper. H. C. Schaper. 1,664,833; Apr. 3.
- Micrometer gauge. W. L. Bryant. 1,676,248; July 10.
- Micrometer gauge. J. Lamb. 1,690,733; Nov. 6.
- Micrometer gauge. E. O. Wheelock. 1,656,927; Jan. 24.
- Micrometer gauge, Inside. C. A. Clase. 1,655,133; Jan. 3.
- Microphone. J. E. Aiken. 1,678,842; July 31.
- Microphone. J. E. Aiken. 1,693,425; Nov. 27.
- Microphone. B. E. Cover. 1,656,425; Jan. 17.
- Microphone. C. A. Culver. 1,686,901; Oct. 9.
- Microphone. H. Lichte. 1,686,385; Oct. 2.
- Microphone and operating the same, Resistance. P. Thomas. 1,682,443; Aug. 28.
- Microphone circuit. C. R. Hanna. 1,687,665; Oct. 16.
- Microphone system. J. E. Aiken. 1,695,875; Dec. 18.
- Microphone system. G. E. Bliziotis. 1,684,053; Sept. 11.
- Microscope. R. G. Guthrie. 1,690,677; Nov. 6.
- Lubricant meter.
- Maximum-demand meter.
- Milk meter.
- Modulation meter.
- Motor meter.
- Orifice meter.
- Postage meter.
- Power meter.
- Pressure meter.
- Proportionate meter.
- Recording meter.
- Speed meter.
- Stress meter.
- Taxicab meter.
- Torsion meter.
- Tube-socket meter.
- Twist meter.
- Type flow meter.
- Vacuum meter.
- Vibration meter.
- Watt-hour meter.
- Wave-deviation meter.
- Zone rate meter.

- Microscope-illuminating device. F. Girard. 1,658,523; Feb. 7.
- Microscopes, Objective-revolving nosepiece for. O. Henker. 1,674,041; June 19.
- Microtuner for pipe organs. H. C. Teetor and H. S. Miksell. 1,690,381; Nov. 6.
- Milanes machine. S. S. Fletcher. 1,686,847; Oct. 9.
- Military protector. H. A. Musham. 1,660,624; Feb. 28.
- Milk and cream cooler and aerator. O. O. Newhouse. 1,662,390; Mar. 13.
- Milk and cream separator. W. A. and A. L. Dean. 1,665,657; Apr. 10.
- Milk-bottle carrier. R. W. Kennard. 1,684,995; Sept. 18.
- Milk-bottle container. T. Iversen. 1,666,289; Apr. 17.
- Milk-can cooler. C. M. Osborn. 1,664,702; Apr. 3.
- Milk-can cover and forming the same. C. A. Comp. 1,662,184; Mar. 13.
- Milk cooler. W. L. Holt. 1,681,539; Aug. 21.
- Milk distributor and bottle collector. R. D. Godsey and M. P. Litton. 1,667,000; Apr. 24.
- Milk-dumping device. H. D. Lathrop. 1,690,735; Nov. 6.
- Milk meter. F. J. Bender. 1,663,933; Mar. 27.
- Milk-pasteurizing system. R. Horton. 1,668,316; May 1.
- Milk product, Malted-. L. A. Thompson. 1,666,633; Apr. 17.
- Milk-top extractor. W. B. Cotton. 1,664,244; Mar. 27.
- Milk-treating machine. C. Mortensen. 1,671,160; May 29.
- Milking apparatus. L. Dinesen. 1,654,795; Jan. 3.
- Milking machine. A. Mélotte. 1,656,124; Jan. 10.
- Milking machine. F. M. Wrabek. 1,682,001; Aug. 28.
- Milking-machine attachment. H. A. Skinner. 1,661,509; Mar. 6.
- Milking-machine pulsator. S. J. Erling. 1,688,863; Oct. 23.
- Milking-machine releaser. J. Hopkirk and G. W. Gane. 1,676,693; July 10.
- Milking machines, Adjustable hose clamp for. R. Nunes. 1,689,889; Oct. 30.
- Mill: See—
- | | |
|--------------------------------|--------------------|
| Attrition mill. | Oil mill. |
| Ball mill. | Orange-juice mill. |
| Boring mill. | Piercing mill. |
| Brush mill. | Porcelain mill. |
| Cane mill. | Pug mill. |
| Colloid mill. | Pulverizing mill. |
| Conical crushing mill. | Quartz mill. |
| Crusher and grinding mill. | Ring mill. |
| Crushing mill. | Rod mill. |
| Die-rolling mill. | Roller mill. |
| Eddy or whirling mill. | Rolling mill. |
| Feed mill. | Rotary mill. |
| Grinding mill. | Stamping mill. |
| Grinding and pulverizing mill. | Strip mill. |
| Hollow mill. | Sugar-cane mill. |
| Lath mill. | Tube mill. |
- Mill. F. E. Marcy. 1,690,493-6; Nov. 6.
- Mill. C. G. Willard. 1,690,497; Nov. 6.
- Mill appliance, Rolling-. W. A. Irvin. 1,663,844; Mar. 27.
- Mill banding and splicing the same. D. E. Coe. 1,655,752; Jan. 10.
- Millboard product and process. R. V. Mattison. 1,678,345-6; July 24.
- Mill, conveyer, drier, and classifier, Combined. D. Duienberg and J. H. Macartney. 1,678,002; July 24.
- Mill driving spindle, Rolling-. L. Johnson. 1,663,533; Mar. 20.
- Mill for grinding materials of all kinds, Multichamber. J. Ihlefeldt. 1,671,291; May 29.
- Mill for rolling strips and sheets, Method of and. L. Jones. 1,680,522; Aug. 14.
- Mill for the production of finely-divided powder, Whirling. E. Podszus. 1,685,956; Oct. 2.
- Mill guide, Rolling-. A. Pisarcik. 1,675,820; July 3.
- Mill guide, Rolling-. J. L. Roof. 1,655,845; Jan. 10.
- Mill nut. D. J. McDevitt. 1,656,747; Jan. 17.
- Mill roll heater, Sheet-. C. A. Cremer. 1,667,884; May 1.
- Mill screw-down mechanism, Rolling-. L. C. Steele. 1,686,042; Oct. 2.
- Mill with supported working rolls, Rolling. A. Kriwan. 1,655,063; Jan. 3.
- Milling and like roll or cylinder and manufacturing the same. W. Raym. 1,659,896; Feb. 21.
- Milling cutter. P. P. G. Hall. 1,668,070; May 1.
- Milling cutter. O. von Eberhard. 1,676,719; July 10.
- Milling machine. A. B. Bachmann. 1,672,744; June 5.
- Milling machine. C. M. Conradson. 1,659,426; Feb. 14.
- Milling machine. C. M. Conradson. 1,659,460; Feb. 14.
- Milling machine. O. W. Curtis. 1,659,462; Feb. 14.
- Milling machine. N. M. Marsilius. 1,689,635; Oct. 30.
- Milling-machine-arbor drive and support. E. J. Kearney. 1,678,048; July 24.
- Milling-machine attachment. F. Jack. 1,654,882; Jan. 3.
- Milling machine, Circular-. H. C. Rose. Re16,903; Mar. 13.
- Milling machine, Continuous. E. J. Rollings. 1,687,350; Oct. 9.
- Milling machine, Cylinder-saddle. L. V. Mallory. 1,680,300; Aug. 14.
- Milling machine for cutting gears. H. W. Romanoff. 1,660,888; Feb. 28.
- Milling machine having crank drive and automatic feed. H. Kneidl. 1,670,413; May 22.
- Milling machine, Portable. A. F. Froussard. 1,669,194; May 8.
- Milling machine, Portable. S. E. Mueller and G. M. Rodgers. 1,675,374; July 3.
- Mills, Adjustable plow for centrifugal grinding. W. A. Gibson. 1,655,499; Jan. 10.
- Mills, Manipulator for rolling. J. A. Smitmana. 1,657,286; Jan. 24.
- Mills, Repeater for rolling. L. Johnson. 1,680,105; Aug. 7.
- Mills, Roll for sugar-cane and like. W. Mackie. 1,667,632; Apr. 24.
- Mills, Work-piece-shifting device for use in connection with reciprocating or oscillating rolling. K. Gruber and A. Stappen. 1,670,256; May 15.
- Mine and railway tie plate. J. T. Morris. 1,665,419; Apr. 10.
- Mine-car dump, Rotary. J. S. Repko. 1,686,420; Oct. 2.
- Mine drill. C. R. Anderson. 1,657,339; Jan. 24.
- Mine-dropping apparatus. A. D. Trenor. 1,686,884; Oct. 9.
- Mine explosions, Preventing. W. E. Trent. Re16,914; Mar. 20.
- Mine, Explosive. H. Gruber. 1,682,560; Aug. 28.
- Mine prop. C. Gascard. 1,674,105; June 19.
- Mine skips, lifts, and the like, Safety device for. J. Adsero. 1,662,692; Mar. 13.
- Mine, Thermal. J. H. Deppeler. 1,695,089; Dec. 11.
- Minerals and briquettes therefor, Reduction of sulphate. J. E. Booge and J. P. Koller. 1,685,772; Oct. 2.
- Minerals, Desulphidizing and desulphurizing sulphur. M. F. Coolbaugh and J. B. Read. 1,657,711; Jan. 31.
- Minerals from ore, Apparatus for the recovery of. W. C. Tracy. 1,657,097; Jan. 24.
- Minerals, Recovery for precious. T. H. France. 1,679,857; Aug. 7.
- Minerals, Selective flotation of. B. S. Morrow and E. Klepetko. 1,683,569; Sept. 4.
- Minerals. Volatilizing and oxidizing. B. G. Cobb. 1,660,150; Feb. 21.
- Mining and conveying machine. R. Peale. 1,658,781; Feb. 7.
- Mining and loading apparatus. E. C. Morgan. 1,675,902; July 3.
- Mining and loading apparatus. E. C. Morgan. 1,683,045; Sept. 4.
- Mining and loading apparatus. E. C. Morgan. 1,686,337; Oct. 2.
- Mining and loading machine. E. C. Morgan. 1,664,128; Mar. 27.
- Mining and loading machine. E. C. Morgan. 1,675,723; July 3.
- Mining and loading machine and method. E. C. Morgan. 1,693,343; Nov. 27.
- Mining apparatus. M. P. Holmes. 1,662,787; Mar. 13.
- Mining apparatus. M. P. Holmes. 1,664,384-6; Mar. 27.
- Mining apparatus. M. P. Holmes. 1,670,152; May 15.
- Mining apparatus. M. P. Holmes. 1,689,586; Oct. 30.
- Mining apparatus. M. P. Holmes. 1,692,260; Nov. 20.
- Mining apparatus. M. P. Holmes. 1,694,780; Dec. 11.
- Mining apparatus. C. F. Osgood. 1,661,629; Mar. 6.
- Mining apparatus. E. B. Robinson. 1,662,719; Mar. 13.
- Mining, Apparatus for. F. B. Miller. Re17,109; Oct. 23.
- Mining machine. F. Cartledge. 1,680,246; Aug. 7.
- Mining machine. F. Cartledge. 1,684,943; Sept. 18.
- Mining machine. C. E. Davis. 1,664,666; Apr. 3.
- Mining machine. C. E. Davis. 1,676,428-9; July 10.
- Mining machine. K. Davis. 1,662,455; Mar. 13.
- Mining machine. K. Davis. 1,682,556-7; Aug. 28.
- Mining machine. W. S. Gray. 1,680,942; Aug. 14.
- Mining machine. M. P. Holmes. 1,662,786; Mar. 13.
- Mining machine. M. P. Holmes. 1,662,788-9; Mar. 13.
- Mining machine. M. P. Holmes. 1,662,794-5; Mar. 13.
- Mining machine. M. P. Holmes. 1,662,824-5; Mar. 20.
- Mining machine. M. P. Holmes. 1,670,153; May 15.
- Mining machine. M. P. Holmes. 1,670,155; May 15.
- Mining machine. M. P. Holmes. 1,685,403; Sept. 25.
- Mining machine. N. D. Levin. 1,675,180; June 26.
- Mining machine. N. D. Levin. 1,680,386; Aug. 14.
- Mining machine. W. T. McCullough. 1,686,140; Oct. 2.
- Mining machine. E. C. Morgan. 1,659,889; Feb. 21.
- Mining machine. E. C. Morgan. 1,660,083; Feb. 21.
- Mining machine. C. B. Officer. 1,679,127; July 31.
- Mining machine. C. F. Osgood. 1,662,796-9; Mar. 13.
- Mining machine. C. F. Osgood. 1,664,387-8; Mar. 27.
- Mining machine. C. F. Osgood. 1,667,167; Apr. 24.
- Mining machine. C. F. Osgood. 1,684,375; Sept. 11.
- Mining machine. E. O'Toole. 1,683,297; Sept. 4.
- Mining machine. E. O'Toole. 1,687,306; Oct. 9.
- Mining machine. C. A. Pratt. 1,686,173; Oct. 2.
- Mining machine. T. E. Pray. 1,660,816; Feb. 28.
- Mining machine. T. E. Pray. 1,664,703; Apr. 3.
- Mining machine. T. E. Pray. 1,680,953; Aug. 14.
- Mining machine. T. E. Pray. 1,692,862-3; Nov. 27.
- Mining machine. G. Rimmer. 1,662,800; Mar. 13.
- Mining machine. P. Upham. 1,664,383; Mar. 27.
- Mining machine, Chain hydraulic. W. W. Macfarren. 1,682,296; Aug. 28.
- Mining machine, Coal. N. D. Levin. 1,656,524; Jan. 17.
- Mining machines and the like, Protective device for electrically operated. J. E. Dillon. 1,678,283; July 24.
- Mining oil and the like. E. G. Sinclair. 1,661,389; Mar. 6.
- Mining oil sands. E. G. Sinclair. 1,661,390; Mar. 6.
- Mining system and apparatus. E. C. Morgan. 1,693,040; Nov. 27.
- Minnow. V. S. Waters. 1,681,316; Aug. 21.

- Mirror. F. A. Benford. 1,659,761; Feb. 21.
 Mirror, album, and clock, illuminated. J. A. Andrusis. 1,689,471; Oct. 30.
 Mirror and illuminating device, Combination. W. J. Newton. 1,680,062; Aug. 7.
 Mirror and support, Combined. S. U. Caron. Des. 76,289; Sept. 11.
 Mirror attachment for toilet articles. L. C. Ament. 1,655,452; Jan. 10.
 Mirror, Automobile. N. A. Pearson. Des. 77,119; Dec. 4.
 Mirror back or similar article. E. Tennhardt. Des. 76,360-1; Sept. 18.
 Mirror bracket. W. La Hodny. 1,685,544; Sept. 25.
 Mirror bracket. J. A. Therasse. 1,663,672; Mar. 27.
 Mirror bracket, Motor-car. A. S. Anzell. 1,671,692; May 29.
 Mirror, Dental. E. F. B. Campbell. 1,695,451; Dec. 18.
 Mirror for automobiles, Rear-view. W. Hodny. 1,687,572; Oct. 16.
 Mirror for automobiles, Combined rear and side view. J. F. Rivard. Des. 74,625; Mar. 6.
 Mirror for barber or beauty-parlor chairs. B. N. Roccaforte. 1,675,383; July 3.
 Mirror frame. J. Turner. Des. 77,135; Dec. 4.
 Mirror frame. J. Turner. Des. 77,337; Dec. 25.
 Mirror frame and clock case, Combined. L. Zweig. Des. 75,539; June 12.
 Mirror, Illuminating. W. B. Goddard. 1,667,545; Apr. 24.
 Mirror, Mouth. R. Fust. 1,660,870; Feb. 28.
 Mirror, Nonglare. G. F. and W. H. Colbert. 1,662,565; Mar. 13.
 Mirror or picture frame and radiohorn, Combined. H. L. Hahn. 1,689,385; Oct. 30.
 Mirror or similar article. E. G. Blumenfeld. Des. 76,770; Nov. 6.
 Mirror or similar article. E. B. Langsdorf. Des. 76,818; Nov. 6.
 Mirror or similar article, Hand. F. H. La Pierre. Des. 76,619; Oct. 16.
 Mirror or similar article, Hand. L. W. Rice. Des. 76,047; Aug. 14.
 Mirror or similar toilet article. W. S. Bechtold. Des. 75,765-8; July 17.
 Mirror, Rear-sight. H. T. Scott. 1,684,560; Sept. 18.
 Mirror, Rear-vision. W. A. Doble. 1,672,559; June 5.
 Mirror, reflector, and the like. C. A. Parsons. 1,685,032; Sept. 18.
 Mirror, Shaving. E. H. Adams. 1,657,334; Jan. 24.
 Mirror support, Rear-view. F. W. Zink. 1,691,323; Nov. 13.
 Mirrors, Making. G. F. and W. H. Colbert. 1,662,564; Mar. 13.
 Miter box. H. M. Hartway. 1,683,460; Sept. 4.
 Miter jack and coping cutter. W. H. Greenfield. 1,684,090; Sept. 11.
 Mitered-joint bracket. P. D. Peck and W. S. Thomas. 1,694,667; Dec. 11.
 Mitering and cutting machine. J. Klohe. 1,675,563; July 3.
 Mitering machine. G. O. Edwards and L. Brown, jr. 1,663,247; Mar. 20.
 Mitering machine, Portable. A. C. Hileman. 1,660,333; Feb. 28.
 Mitten. R. A. Chiles. 1,680,592; Aug. 14.
 Mitten. M. E. Meyers. Des. 74,186; Jan. 3.
 Mixer: See—
 Bread mixer. Fuel mixer.
 Concrete mixer. Hot-metal mixer.
 Dental amalgam mixer. Paint mixer.
 Dough mixer. Refreshment mixer.
 Drink mixer. Rotary mixer.
 Mixer. S. Alsop. 1,693,170; Nov. 27.
 Mixer. J. H. Hurdle. 1,686,135; Oct. 2.
 Mixer. R. Knapp. 1,682,970; Sept. 4.
 Mixer. A. Moyer. 1,694,137; Dec. 4.
 Mixer. F. C. Rood. 1,661,681; Mar. 6.
 Mixer and conveyer, Concrete. B. H. Pelton. 1,689,963; Oct. 30.
 Mixer-drum construction. E. C. Leach. 1,680,296; Aug. 14.
 Mixer for margarine and the like. G. M. Keller. 1,686,280; Oct. 2.
 Mixer for road materials. F. H. Cummer. 1,687,660; Oct. 16.
 Mixers, Attachment for concrete. R. C. Burket. 1,696,751; Dec. 25.
 Mixing amalgam for tooth fillings and stoppings, Device for. V. Wilming. 1,677,697; July 17.
 Mixing and burning oil, Apparatus for. A. E. Grant. 1,671,238; May 29.
 Mixing and crushing machine. C. R. Dimm. 1,660,221; Feb. 21.
 Mixing and vaporizing device. H. M. Cogan. 1,688,687; Oct. 23.
 Mixing apparatus. R. B. Brown. 1,686,953; Oct. 9.
 Mixing apparatus. A. P. Grunn. 1,665,260; Apr. 10.
 Mixing apparatus, Control mechanism for concrete. H. A. Berle. 1,691,031; Nov. 13.
 Mixing apparatus, Sand. H. L. Wadsworth. Re17,102; Oct. 9.
 Mixing device. J. H. Baker. 1,676,237; July 10.
 Mixing device. J. Brombacher. 1,671,464; May 29.
 Mixing device. W. Evans. 1,686,078; Oct. 2.
 Mixing device. W. H. Miller and H. G. Thompson. 1,689,446; Oct. 30.
 Mixing device. W. Seymour. 1,679,177; July 31.
 Mixing device, Fluid. H. D. Bowman. 1,686,199; Oct. 2.
 Mixing device for internal-combustion engines. M. W. Evans. 1,684,480; Sept. 18.
 Mixing device for oil-gas apparatus. A. J. Bassett. 1,688,320; Oct. 23.
 Mixing device, Fuel. J. P. Malone. 1,676,958; July 10.
 Mixing dry and liquid materials, Apparatus for. L. True. 1,691,535; Nov. 13.
 Mixing flask, Rapid. T. J. Porro. 1,660,974; Feb. 28.
 Mixing implement for plasters. T. G. Hamilton. 1,659,024; Feb. 14.
 Mixing, inspecting, and crating apparatus, Bottle. A. W. Brown. 1,679,402; Aug. 7.
 Mixing machine. S. Babitzky and V. Mathe. 1,692,022; Nov. 20.
 Mixing machine. L. J. B. Blake. 1,693,688; Dec. 4.
 Mixing machine. L. W. Claybourn. 1,675,694; July 3.
 Mixing machine. W. F. Debuff. 1,656,665; Jan. 17.
 Mixing machine. W. F. Debuff. 1,691,843; Nov. 13.
 Mixing machine. H. H. Hackstedde. 1,666,285; Apr. 17.
 Mixing machine. H. L. Johnston and T. F. Rataiczak. 1,674,903; June 26.
 Mixing machine. V. P. Larson. 1,678,735; July 31.
 Mixing machine. C. Nielsen. 1,673,155; June 12.
 Mixing machine. O. R. Read. 1,695,345; Dec. 18.
 Mixing machine. J. T. Simpson. 1,670,750; May 22.
 Mixing machine. J. ver Mehr. Re17,067; Aug. 14.
 Mixing machine and process. S. P. Miller. 1,670,593; May 22.
 Mixing machine, Concrete. S. Shafer, jr. 1,683,417; Sept. 4.
 Mixing machine, Dough. F. Notz and G. Royan. 1,678,193; July 24.
 Mixing machine, Rotary. J. F. Burn and J. S. Lancaster. 1,668,324; Apr. 17.
 Mixing machine, Rubber. F. H. Banbury. 1,689,990; Oct. 30.
 Mixing machine, Vacuum. E. G. Loomis. 1,673,085; June 12.
 Mixing machine, Worm-drive. P. A. Koehring. 1,662,274; Mar. 13.
 Mixing machines, Discharging closure for. L. and J. Erlich. 1,663,830; Mar. 27.
 Mixing or emulsifying process and apparatus. J. McGougan and J. Hunter. 1,671,868; May 29.
 Mixing plant, Asphalt. F. H. Cummer. 1,677,274; July 17.
 Mixing solids with liquids, Method and apparatus for. W. Evans. 1,686,076; Oct. 2.
 Mixture-forming means for internal-combustion engines. L. M. Woolson. 1,684,902; Sept. 18.
 Mixtures and clarifying of liquids, Method and apparatus for centrifugal thickening of. H. M. Chance. 1,664,769; Apr. 8.
 Mixtures, Making and delivering quantitative. T. MacRae. 1,663,206; Mar. 20.
 Mode of producing wrought iron with increased tensile properties. G. G. Gedda. 1,685,602; Sept. 25.
 Models, moldings, and casts for medical purposes, Manufacture of. W. Worobjew. 1,658,150; Feb. 7.
 Modulating arrangement. O. H. Loynes. 1,677,190-1; July 17.
 Modulating reflectors for controlling the rate of change of sound emission. J. H. Hammond, jr. 1,664,556; Apr. 3.
 Modulating system. F. Gray. 1,658,843; Feb. 14.
 Modulating system. E. H. Smythe. 1,654,902; Jan. 3.
 Modulation. E. Petersen. 1,678,163; July 24.
 Modulation-indicating arrangement. W. Schaffer. 1,690,704; Nov. 6.
 Modulation meter. R. L. Davis. 1,671,467; May 29.
 Modulation system. F. Gerth. 1,665,350; Apr. 10.
 Modulation system. R. V. L. Hartley. 1,666,206; Apr. 17.
 Moistener, Air. L. A. Fleury. 1,680,532; Aug. 14.
 Moistener for cigar boxes. E. C. Hake. 1,665,663; Apr. 10.
 Moistening device. F. Chesley. 1,667,067; Apr. 24.
 Moistening device, Tape. J. C. Schneble. 1,687,594; Oct. 16.
 Moisture-absorbing device for stoppered containing vessels. E. L. Furber. 1,678,939; July 31.
 Moisture control, Automatic. W. C. Wright. 1,677,856; July 17.
 Moisture-controlling device. G. S. Witham, jr. Re16,990; June 5.
 Moisture indicating and recording. G. S. Witham, jr. Re17,049; July 24.
 Moisture-indicating instrument for wood. M. E. Dunlap. 1,690,672; Nov. 6.
 Moisture-regulating device. J. E. Sharp. 1,655,248; Jan. 3.
 Mold: See—
 Battery mold. Cylinder mold.
 Brick mold. Die-casting mold.
 Building-block mold. Divided mold.
 Cake mold. Fire-pot mold.
 Chill mold. Floor mold.
 Conduit mold. Glass mold.
 Concrete-block mold. Hect mold.
 Concrete-spreader mold. Ingot mold.
 Cooking mold. Iron mold.

Mold: See—
Metal mold. Stone mold.
Multiple mold. Tire mold.
Permanent mold. Type-casting mold.

Mold. A. Baish. 1,677,881; July 24.
Mold. S. Daniels and G. J. Himmelein. 1,664,452; Apr. 3.
Mold. L. Fithian. 1,671,674; May 29.
Mold. W. P. Henson. 1,668,017; May 1.
Mold. E. Nestler. 1,660,653; Feb. 28.
Mold. J. C. Norwood. 1,684,360; Sept. 11.
Mold. H. D. Rindsberg. 1,696,690; Dec. 25.
Mold. D. J. Ryan. 1,684,715; Sept. 18.
Mold. L. J. Schroeder. 1,679,788; Aug. 7.
Mold. J. P. Urban. 1,684,978; Sept. 18.
Mold. L. S. Washburn. 1,679,554; Aug. 7.
Mold. R. J. Weaver. 1,694,025; Dec. 4.
Mold. W. G. Whiting. 1,692,913; Nov. 27.
Mold. C. A. Wood. 1,695,001; Dec. 11.
Mold-aligning means. T. Midgley. 1,667,129; Apr. 24.
Mold and casting. C. Vaughan. 1,663,286; Mar. 20.
Mold and making same. W. H. Campbell. 1,691,756; Nov. 13.
Mold and method of casting, Metal. A. B. Norton. 1,689,595; Oct. 30.
Mold and the like, Pig-iron. F. Quinn. 1,679,876; Aug. 7.
Moldboard. W. L. Beall. 1,691,561; Nov. 13.
Moldboard. T. Hawkins. 1,661,942; Mar. 6.
Mold construction, Permanent. H. S. Lee. 1,685,545; Sept. 25.
Mold ejector. E. W. Smith. 1,696,652; Dec. 25.
Mold-engraving machine. A. J. Fleiter and T. A. Miller. 1,667,687; Apr. 24.
Mold for casting magnesium and making same, Sand. G. Michel. 1,685,553; Sept. 25.
Mold for casting metals. M. Guyot. 1,679,860-1; Aug. 7.
Mold for casting metals. G. Kohl. 1,679,864; Aug. 7.
Mold for centrifugal casting machines, Low-conductivity. L. I. Yeomans. 1,678,929; July 31.
Mold for centrifugal pipe casting. J. H. Uhrig. 1,693,703; Dec. 4.
Mold for composite articles. F. R. Hornig. 1,678,812; July 31.
Mold for high-temperature casting of refractory bodies. K. E. Peiler. 1,696,688; Dec. 25.
Mold for ingot molds. C. Wunderlich. 1,670,331; May 22.
Mold for making packing or the like. N. E. Johnson. 1,663,050; Mar. 20.
Mold for making roofing tiles. J. L. West. 1,686,305; Oct. 2.
Mold for musical-instrument bodies or similar articles. R. B. Lattin. 1,692,340; Nov. 20.
Mold for musical-instrument mouthpieces. W. F. Schmalz and R. E. Dodd. 1,692,352; Nov. 20.
Mold for rubber boots. A. A. Glidden, H. G. Ellis, and H. L. Davis. 1,692,828; Nov. 27.
Mold for shaping and retreading tires with rubber. P. L. Menjou. 1,657,220; Jan. 24.
Mold for tile. J. A. Erickson. 1,670,066; May 15.
Mold for vaults and the like. J. L. Janisch. 1,692,447; Nov. 20.
Mold-form structure. H. R. Suiter. 1,696,700; Dec. 25.
Mold head for the formation of a fissure in the mouth of glass bottles or porcelain. F. Obiol. 1,655,917; Jan. 10.
Mold-jarring device. J. R. Dunbeck. 1,684,174; Sept. 11.
Mold-making machine. J. R. Wood. 1,672,047-8; June 5.
Mold loading and transferring machine and jigger combined. W. J. Miller. 1,691,119; Nov. 13.
Mold of laminate structure, Pulp. F. Louisot. 1,689,555; Oct. 30.
Mold-opening machine. A. J. Dexter. 1,671,355; May 29.
Mold or similar article, Jelly. W. Von Elm. Des. 75,301-7; May 22.
Mold shell. J. R. Wood. 1,676,199; July 3.
Mold-stripping apparatus. T. Midgley. 1,671,304; May 29.
Molded article. A. J. Bastian. 1,665,902; Apr. 10.
Molded article and making same. G. L. Preble. 1,678,021; July 24.
Molded article and making the same. W. J. Hawkins. 1,689,386; Oct. 30.
Molded article and making the same. G. E. Smith. 1,680,646; Aug. 14.
Molded article and making the same, Light-weight. J. A. Baber and W. L. Estabrooke. 1,693,015; Nov. 27.
Molded article and preparing the same. H. E. Manning. 1,690,305; Nov. 6.
Molded article, Composite. L. Bonsieur. 1,686,142; Oct. 2.
Molded commutator. N. T. Kelso. 1,669,134; May 8.
Molder. W. O. Vivarttas and L. T. Medholdt. 1,690,146; Nov. 6.
Molder's chaplet. H. Stuart. 1,692,426; Nov. 20.
Molding. S. L. Abrahams. 1,693,327; Nov. 27.
Molding. P. H. Cone. 1,654,721; Jan. 3.
Molding. G. B. Dryden and R. Beynon. 1,673,142; June 12.
Molding. C. D. Pettis. 1,688,350; Oct. 23.
Molding. E. Toney. Des. 77,268-70; Dec. 18.
Molding albumen containing masses. F. Homberg. 1,678,117; July 24.
Molding and curing concrete, Method of and apparatus for. M. S. Weaver. 1,690,467; Nov. 6.

Molding and vulcanizing apparatus. R. D. Fritz. 1,655,861; Jan. 10.
Molding apparatus. E. F. Buffat. 1,669,807; May 15.
Molding apparatus. D. J. Campbell. 1,688,784; Oct. 23.
Molding apparatus. W. H. Croft and R. J. Shoemaker. 1,693,222; Nov. 27.
Molding apparatus. F. C. T. Daniels and W. H. McCausland. 1,658,834; Feb. 14.
Molding apparatus. F. C. T. Daniels and W. H. McCausland. 1,658,836; Feb. 14.
Molding apparatus. J. R. Gammeter. 1,669,704; May 15.
Molding apparatus. L. J. Grubman. 1,688,417; Oct. 23.
Molding apparatus. S. A. Kornsweet. 1,656,523; Jan. 17.
Molding apparatus. J. B. Lukomski. 1,663,455; Mar. 20.
Molding apparatus. J. M. and H. D. Phillips. 1,688,205; Oct. 16.
Molding apparatus, Centrifugal. W. H. Beatty. 1,694,763; Dec. 11.
Molding apparatus, Soap-. L. A. Paley. 1,691,899; Nov. 13.
Molding articles, Method and apparatus for. E. J. MacDonald. 1,653,566; Feb. 7.
Molding bottles in single-mold machines. K. E. Peiler. 1,680,746; Aug. 14.
Molding building blocks. F. J. Straub. 1,671,325; May 29.
Molding ceramic materials. D. W. Ross and J. M. Lambie. 1,694,563; Dec. 11.
Molding composite cork bodies. W. P. Grupe. 1,689,584; Oct. 30.
Molding composition. H. F. Albright, jr. 1,659,936; Feb. 21.
Molding compound. H. B. Hanley. 1,657,573; Jan. 31.
Molding compound. H. S. Snell. 1,678,713; July 31.
Molding concrete and other pipes, Centrifugally. R. Williams. 1,670,013; May 15.
Molding, Crevice. L. G. Clark. 1,689,194; Oct. 30.
Molding device. H. P. Sachse. 1,687,797; Oct. 16.
Molding device. V. E. Schmiedeknecht. 1,662,340; Mar. 13.
Molding device, Metal candy-. K. W. Holzapfel. 1,680,294; Aug. 14.
Molding ebonite composition. H. Gray. 1,691,347; Nov. 13.
Molding machine. E. O. Beardsley and W. F. Piper. 1,681,386; Aug. 21.
Molding machine. E. G. Germer, E. G. Walbridge, and J. M. Wysocki. 1,666,963; Apr. 24.
Molding machine. D. C. Goldston. 1,695,327; Dec. 18.
Molding machine. C. A. Hall. 1,671,028; May 22.
Molding machine. E. Harmes. 1,695,921; Dec. 18.
Molding machine. E. C. Holmes. 1,664,559; Apr. 3.
Molding machine. J. J. Lawlor. 1,695,925; Dec. 18.
Molding machine. F. E. McCabe. 1,665,577; Apr. 17.
Molding machine. W. H. Nicholls. 1,656,951; Jan. 24.
Molding machine. C. H. Peirson and W. A. Bohne. 1,667,673; Apr. 24.
Molding machine. E. E. Sabin. 1,672,912; June 12.
Molding machine. F. A. Scruggs. 1,674,229; June 19.
Molding machine. J. W. Silver. 1,678,889; June 19.
Molding machine. S. B. Stine. 1,667,296; Apr. 24.
Molding machine. E. Tscherning. 1,664,139; Mar. 27.
Molding machine. W. O. Vivarttas. 1,658,146; Feb. 7.
Molding machine. W. O. Vivarttas. 1,690,145; Nov. 6.
Molding machine. J. R. Wood. 1,676,201; July 3.
Molding machine, Block-. A. F. Lewis. 1,679,483; Aug. 7.
Molding machine, Block-. F. J. Straub. 1,692,355; Nov. 20.
Molding machine, Concrete-. T. McQuain. 1,693,852; Dec. 4.
Molding machine for butter, margarine, and the like. W. Hilgers. 1,690,784; Nov. 6.
Molding-machine platen arm. E. J. Byerlein. 1,661,598; Mar. 6.
Molding machines and the like, Chip breaker for. W. O. Vivarttas. 1,678,835; July 31.
Molding machines, Automatic control for the ramming heads of. F. E. McCabe. 1,666,578; Apr. 17.
Molding machines, Jolt mechanism for. W. H. Nicholls. 1,676,662; July 10.
Molding machines, Spreader on end bed of. S. I. Anderson. 1,656,156; Jan. 17.
Molding, Metal. R. J. Gits. 1,683,346; Sept. 4.
Molding or trim and method of attachment. G. B. Dryden and R. Beynon. 1,673,141; June 12.
Molding pattern. A. J. Smith. 1,681,957; Aug. 28.
Molding plastic bodies. F. E. Layman, L. T. Richardson, and O. A. Cherry. 1,682,914; Sept. 4.
Molding reducers for fibrous conduits, Method of and apparatus for. H. Parker. 1,689,533; Oct. 30.
Molding ring. E. Zuellig. 1,685,660; Sept. 25.
Molding rubber draining boards for sinks. J. P. Harkin. 1,688,232; Oct. 16.
Moldings, for instance wooden boards, Device for assorting of. H. Scheidemandel. 1,660,179; Feb. 21.
Molds designed for the molding of glassware, Checking. O. C. K. Hutchinson. 1,663,306; Mar. 20.
Molds, Device for forcing ice-cream bricks from. C. G. Davis. 1,664,667; Apr. 3.
Molds for building blocks and the like, Making. E. S. Niestratt. 1,678,266; July 24.

- Molds for building blocks, Apparatus for making. E. S. Nierstradt. 1,678,267; July 24.
- Molds for columns with bases, Apparatus for forming. F. H. Hunt and F. N. Ropp. 1,665,365; Apr. 10.
- Molds for metal casting, Composition for permanent. H. Todd. 1,674,232; June 19.
- Molds for printing plates, Forming. L. W. Claybourn. 1,676,602; July 10.
- Molds, Hot top for ingot. M. G. Dumas. 1,692,491; Nov. 20.
- Molds, Making hollow. H. Barkschat. 1,692,433; Nov. 20.
- Molds, Method of and apparatus for removing articles from. O. M. Reif. 1,655,878; Jan. 10.
- Molds, Method of and means for making. C. M. Mallory. 1,694,130; Dec. 4.
- Molds, Pouring shell for pipe. J. R. Wood. 1,676,200; July 3.
- Molds, Preparing. C. K. Prince. 1,657,444; Jan. 24.
- Molds, Treating rubber. J. D. Comstock. 1,662,365; Mar. 13.
- Molten glass, Apparatus for producing. C. B. Kingsley. 1,662,116; Mar. 13.
- Monitoring and controlling circuits for program distribution. J. F. Toomey. 1,684,422; Sept. 18.
- Monkey wrench. F. Juricinec. 1,664,932; Apr. 3.
- Mono-amino-dipthaloyl acridones and preparing the same. W. Mieg and A. Job. 1,696,499; Dec. 25.
- Mono- and di-alkyl-arylamines, Separation of. R. W. Everatt and E. H. Rodd. 1,670,850; May 22.
- Mono-benzoyl-diamino-anthraquinone compounds, Manufacture of. W. H. Perkin and H. M. Bunbury. 1,660,090; Feb. 21.
- Monogram holder. M. L. Anderson. 1,668,543; May 8.
- Monogram machine. R. E. Tabor. 1,675,004; June 26.
- Monogram plate, Escutcheon. M. Chernow. Des. 76,734; Oct. 30.
- Monogram structure. M. and J. I. Chernow. 1,689,619; Oct. 30.
- Monolith construction. L. C. Krummel. 1,673,628; June 12.
- Monooxy- ω -aminoacetophenone derivatives. H. Legerlotz. 1,680,055; Aug. 7.
- Monosulphides, Manufacture of thiuram. A. T. Maximoff. 1,682,920; Sept. 4.
- Monument. T. W. Fox. Des. 77,084; Dec. 4.
- Mooring airships to mooring masts. W. Auberlin. 1,663,645; Mar. 27.
- Mooring bit and navigation light, Combined. H. W. Armstrong and H. Geruldsen. 1,668,544; May 8.
- Mooring means for airships. R. P. Fox. 1,686,806; Oct. 9.
- Mop. J. I. Anderson. 1,684,379; Sept. 18.
- Mop. P. Brown. 1,683,816; Sept. 11.
- Mop. C. A. Channell. 1,660,545; Feb. 28.
- Mop. A. De Rose. 1,666,371; Apr. 17.
- Mop. J. W. Doty. 1,675,601; July 3.
- Mop. W. Evans. 1,675,699; July 3.
- Mop. A. F. Ewing. 1,660,868; Feb. 28.
- Mop. F. E. Hill. 1,692,987; Nov. 27.
- Mop. T. Hill. 1,676,497; July 10.
- Mop. T. G. Johnson. 1,672,890; June 12.
- Mop. H. F. Mengden. 1,675,368; July 3.
- Mop. J. V. Petrone. 1,668,465; May 1.
- Mop. R. S. Schwartz, sr. 1,676,115; July 3.
- Mop. R. C. Thompson. 1,684,460; Sept. 18.
- Mop. C. Trevena. 1,685,731; Sept. 25.
- Mop. H. M. Van Deussen. 1,688,948; Oct. 23.
- Mop. M. J. Welling. 1,689,939; Oct. 30.
- Mop. W. D. Whitaker. 1,676,880; July 10.
- Mop and mop head. J. J. Jerabek. 1,675,218; June 26.
- Mop and mop holder. U. J. and A. F. Ewing. 1,674,964; June 26.
- Mop and wringer, Combined. M. C. Newton and J. A. Gremling. 1,681,622; Aug. 21.
- Mop and wringer, Combined. W. R. and J. H. Paul. 1,666,346; Apr. 17.
- Mop and wringer, Combined. W. Turner. 1,683,638; Sept. 11.
- Mop cleaner, Dust-. A. and D. W. Rado. 1,694,891; Dec. 11.
- Mop, Dust. W. J. Barber. 1,660,062; Feb. 21.
- Mop, Dust. A. C. Kootz. 1,662,426; Mar. 13.
- Mop, Floor. S. N. Cragin. 1,677,748; July 17.
- Mop head. P. Brown. 1,683,817; Sept. 11.
- Mop head. S. W. Fries and E. E. Malott. 1,689,480; Oct. 30.
- Mop head. H. M. Sturgis. 1,675,736; July 3.
- Mop head and wringer, Combined. O. Carlson. 1,683,655; Sept. 11.
- Mop holder. E. P. and E. Black. 1,660,592; Feb. 28.
- Mop holder. F. C. Hoffman. 1,662,777; Mar. 13.
- Mop holder. C. H. Koeker. 1,664,824; Apr. 3.
- Mop holder. J. M. Mays. 1,656,948; Jan. 24.
- Mop mounting. W. Hertzberg. 1,669,937; May 15.
- Mop, Reciprocating. W. P. Dori. 1,682,168; Aug. 28.
- Mop, Scrubbing. E. P. Jones. 1,683,549; Sept. 4.
- Mopstick head. J. W. Wohlhieter. 1,685,796; Oct. 2.
- Mop, Vacuum dry. C. J. Gleason. 1,674,393; June 19.
- Mop-wiring machine. L. F. Klipstein and J. U. Barr. 1,675,220; June 26.
- Mop wringer. G. F. Beverley. 1,669,155; May 8.
- Mop wringer. C. B. Lambert. 1,660,513; Feb. 28.
- Mop wringer. S. C. Lawlor. 1,679,980; Aug. 7.
- Mop wringer. A. Osvald. 1,657,895; Jan. 31.
- Mop wringer. R. S. Schwarz, sr. 1,691,086; Nov. 13.
- Mop wringer. H. B. Tarbox. 1,692,099; Nov. 20.
- Mop wringer. W. H. Welch and F. H. Werschem. 1,659,505; Feb. 14.
- Mop wringer, Detachable. W. Sands. 1,673,473; June 12.
- Mopping machine. S. Santilli. 1,675,054; June 26.
- Morse multiplex system, Manual. J. Herman. 1,664,453; Apr. 3.
- Mortar box. E. E. Perritt. 1,662,280; Mar. 13.
- Mortar, Process of and apparatus for mixing and applying. H. W. Brown. 1,670,677; May 22.
- Mortar shield. N. E. Clementson. 1,690,856; Nov. 6.
- Mortise joint. C. E. Skaggs and B. E. Logan. 1,692,586; Nov. 20.
- Mortise lock. J. Stratmann. 1,672,962; June 12.
- Mortising and boring machine. J. L. Thompson. 1,694,456; Dec. 11.
- Mortising machine. O. G. Edmund. 1,669,191; May 8.
- Mortising machine. C. Palmu. 1,690,697; Nov. 6.
- Mortising machine. R. Sánchez. 1,692,580; Nov. 20.
- Mosaics, Making. S. H. Boynton. 1,666,232; Apr. 17.
- Mosquito and insect trap. G. C. Cherry. 1,671,404; May 29.
- Mosquito and insect trap. G. C. Cherry. 1,693,368; Nov. 27.
- Mosquito bar (or net) carrier. L. de Sena y Freixas. 1,687,862; Oct. 16.
- Mosquitoes and other insects, Sanitary device for repelling. C. P. Coogle. 1,662,738; Mar. 13.
- Moth exterminator. A. C. Friedel. 1,655,540; Jan. 10.
- Mothproofing fabrics. H. I. Jones. 1,688,717; Oct. 23.
- Mothproofing substance and preparing it. L. E. Jackson and H. E. Wassell. 1,694,219; Dec. 4.
- Moth trap. J. F. Brady. 1,658,589; Feb. 7.
- Motion according to one law into motion according to another law, Apparatus for the conversion of. W. Stroud. 1,667,640; Apr. 24.
- Motion harnesser. C. H. Handyside. 1,670,620; May 22.
- Motion-producing mechanism, Vibrating. E. Deister. 1,685,941; Oct. 2.
- Motometer light. B. A. Broughton. 1,670,565; May 22.
- Motor; See—
- | | |
|----------------------------|-------------------------------|
| Air-craft motor. | Outboard motor. |
| Airplane motor. | Piston motor. |
| Alternating-current motor. | Pneumatic motor. |
| Asynchronous motor. | Pressure motor. |
| Commutator motor. | Pump motor. |
| Crude-oil motor. | Reciprocating electric motor. |
| Current motor. | Reciprocating motor. |
| Door motor. | Rotary motor. |
| Door-operating motor. | Spring motor. |
| Drilling motor. | Stream motor. |
| Electric motor. | Surgical motor. |
| Electromagnetic motor. | Swivel motor. |
| Explosion motor. | Synchronous motor. |
| Fluid motor. | Tide motor. |
| Fluid-pressure motor. | Two-cycle motor. |
| Hydraulic motor. | Vehicle motor. |
| Hydrocarbon motor. | Water motor. |
| Induction motor. | Wave and current motor. |
| Internal-combustion motor | Wave motor. |
| Magnetic motor. | Wind motor. |
| Nonsynchronous motor. | Windshield-cleaner motor. |
| Oscillating motor. | |
- Motor. C. H. Allen. 1,680,250; Aug. 7.
- Motor. H. F. Deny. 1,665,581; Apr. 10.
- Motor. E. G. Gartin. 1,667,699; Apr. 24.
- Motor. E. G. Gartin. 1,690,484; Nov. 6.
- Motor. J. R. Oishei and E. C. Horton. 1,670,667; May 22.
- Motor. W. J. Roe. 1,655,338; Jan. 3.
- Motor. N. E. Woods. 1,684,210; Sept. 11.
- Motor and dynamo machine, Electric. C. L. Daun. 1,677,433; July 17.
- Motor and pump. J. T. Janette. 1,682,788; Sept. 4.
- Motor-assembling fixture. R. O. Gilburg. 1,677,762; July 17.
- Motor bracket. W. Ernst. Re16,988; June 5.
- Motor bracket, Outboard-. J. A. Mould. 1,663,260; Mar. 20.
- Motor bus. H. A. Fitzjohn. 1,660,377; Feb. 28.
- Motor-car body. W. Tilton. Des. 77,267; Dec. 18.
- Motor-coach chair. S. Paul. 1,674,564; June 19.
- Motor combination, Household-. R. Krug. 1,691,200; Nov. 13.
- Motor commutators, Short-circuiting device for. E. P. Larsh. 1,678,517; July 24.
- Motor-compressor apparatus. R. P. Pescara. 1,657,641; Jan. 31.
- Motor-compressor apparatus. P. P. Pescara. 1,666,630; Apr. 17.
- Motor-connection indicator. H. W. Beaver. 1,675,019; June 26.
- Motor construction having cooling-oil circulation. B. F. Schmidt. 1,655,824; Jan. 10.
- Motor control. C. C. Clymer. 1,657,239; Jan. 24.
- Motor control. R. T. Pierce. 1,686,029; Oct. 2.
- Motor control. L. J. Weber. 1,683,221; Sept. 4.
- Motor control, Electric-. D. M. Bliss. 1,681,459; Aug. 21.
- Motor-control mechanism. L. P. Hutt. 1,688,715; Oct. 23.
- Motor-control mechanism. H. C. A. Meyer. 1,690,646; Nov. 6.
- Motor-control switch. C. D. Ainsworth. 1,694,613; Dec. 11.
- Motor control system. E. M. Bouton. 1,686,948; Oct. 9.

- Motor-control system. R. Brooks and E. H. Croft. 1,658,918; Feb. 14.
- Motor-control system. C. I. Hall. 1,696,601; Dec. 25.
- Motor-control system. W. L. Hartzell. 1,669,558; May 15.
- Motor-control system. R. E. Hellmund. 1,680,414; Aug. 14.
- Motor-control system. H. D. James. 1,664,216; Mar. 27.
- Motor-control system. R. T. Kintzing. 1,682,381; Aug. 28.
- Motor-control system. R. T. Kintzing and O. C. Cordes. 1,671,529; May 29.
- Motor-control system. T. P. Kirkpatrick. 1,675,356; July 3.
- Motor-control system. C. Schiebeler. 1,684,247; Sept. 11.
- Motor-control system. H. Tengström and K. Bühring. 1,683,212; Sept. 4.
- Motor-control system. H. W. Williams. Re16,947; May 1.
- Motor-control system and apparatus, Electric. M. Wilfart. 1,672,670; June 5.
- Motor-control system, Induction-. F. Jeffrey. 1,671,076; May 22.
- Motor-control system, Induction-. H. V. Nye. 1,693,587; Nov. 27.
- Motor-controlled system, Induction-. W. Seiz. 1,670,081; May 15.
- Motor controller. W. O. Baer. 1,671,218; May 29.
- Motor controller. T. E. Barnum. 1,659,759; Feb. 21.
- Motor controller. T. E. Barnum and H. N. Wade. 1,680,495; Aug. 14.
- Motor controller. F. F. Dorsey. 1,670,439; May 22.
- Motor controller. W. S. H. Hamilton. 1,684,267; Sept. 11.
- Motor controller. R. G. Lockett. 1,686,753; Oct. 9.
- Motor controller. F. J. Russell. 1,681,435; Aug. 21.
- Motor controller. E. W. Seeger. 1,680,478; Aug. 14.
- Motor controller. E. W. Seeger. 1,685,464; Sept. 25.
- Motor controller. R. G. Thompson. 1,692,962; Nov. 27.
- Motor-controlling apparatus. J. K. Mickley. 1,666,748; Apr. 17.
- Motor cycle. G. L. Regard. 1,662,718; Mar. 13.
- Motor-cycle front forks, Stabilizer for. J. Lake, jr. Des. 74,932; Apr. 17.
- Motor cycles and the like, Brake mechanism for. F. H. Christofferson. 1,656,472; Jan. 17.
- Motor cycles, Stand for. S. E. Clyne. 1,654,862; Jan. 3.
- Motor especially for driving clocks, Synchronous. R. Michl. 1,665,890; Apr. 10.
- Motor exhausts, Attachment for. W. A. Luukkonen. 1,670,200; May 15.
- Motor fire apparatus. W. D. Witter and J. A. Harte. 1,694,574; Dec. 11.
- Motor for driving hydroextractors. H. A. Romp. 1,687,039; Oct. 9.
- Motor for operating doors or the like, Pressure-actuated. P. R. Forman. 1,679,212; July 31.
- Motor for single or polyphase alternating current, Compensated induction. F. Kade. 1,667,664; Apr. 24.
- Motor fuel. S. P. Marley and W. A. Gruse. 1,690,988; Nov. 6.
- Motor fuel. T. Midgley, jr. 1,662,323; Mar. 13.
- Motor fuel. T. Midgley, jr. 1,668,022; May 1.
- Motor fuel and process of refining oils. L. Edelcann. 1,661,566; Mar. 6.
- Motor gauge. E. D. Fageros. 1,696,393; Dec. 25.
- Motor-generator control. P. W. Forsberg. 1,669,162; May 8.
- Motor-heat indicator. H. H. Boyce. Des. 75,208; May 22.
- Motor heater. L. B. Sterling. 1,684,157; Sept. 11.
- Motor-indicating system. E. A. Rockwell. 1,677,494; July 17.
- Motor indicator, Repeater. R. E. Kortepeter and A. Amundsen. 1,681,542; Aug. 21.
- Motor installation. Outboard-. E. W. Trotman. 1,671,387; May 29.
- Motor, Internal-combustion. A. S. Baldwin and E. E. Richmond. 1,662,597; Mar. 13.
- Motor meter. W. R. Heslewood. 1,685,846; Oct. 2.
- Motor-meter mounting and lock. W. McArthur, jr. 1,679,908; Aug. 7.
- Motor mounting. L. J. Bechaud. 1,680,843; Aug. 14.
- Motor mounting. H. J. Berry. 1,680,967; Aug. 14.
- Motor mounting. G. H. Leland. 1,678,438; July 24.
- Motor mounting. E. Moss. 1,658,458; Feb. 7.
- Motor mounting. H. H. Murray. 1,678,999; July 31.
- Motor mounting. C. E. Summers and R. K. Lee. 1,694,758; Dec. 11.
- Motor mounting, Front. H. H. Hicks. 1,655,146; Jan. 3.
- Motor, Multiple-controlled hydraulic servo-. H. Thoma. 1,659,752; Feb. 21.
- Motor or compressor, Rotary. G. Güttner. 1,681,583; Aug. 21.
- Motor or engine, Vapor. J. G. Prosser. 1,689,049; Oct. 23.
- Motor or pump, Rotary. A. W. Weeden. 1,666,321; Apr. 17.
- Motor power take-off. G. E. and O. E. Miller. 1,666,972; Apr. 24.
- Motor regulating apparatus, Alternating-current-commutator-. W. Welsch. 1,658,662; Feb. 7.
- Motor-regulating system, Induction-. W. Weller. 1,694,241; Dec. 4.
- Motor regulator. P. F. Shivers. 1,664,325; Mar. 27.
- Motor shears. A. S. Reichel. Re17,075; Sept. 4.
- Motor stand. M. Taigman. 1,685,103; Sept. 25.
- Motor-starting device. E. C. Ballman. 1,673,546; June 12.
- Motor-starting device. E. C. Ballman. 1,684,937; Sept. 18.
- Motor starting switch. A. C. Bunker. 1,676,077; July 3.
- Motor-starting switch. B. E. Getchell. 1,678,336; July 24.
- Motor support. E. P. Hill. 1,658,559; Feb. 7.
- Motor support. P. E. Keller. 1,683,622; Sept. 11.
- Motor support, Booster-. E. C. Jackson. 1,670,541; May 22.
- Motor support or suspension. F. W. Slack. 1,686,578; Oct. 9.
- Motor suspension, Booster-. H. M. Pfäfer. 1,696,324; Dec. 25.
- Motor tilling machine. K. von Meyenburg. 1,664,789; Apr. 3.
- Motor to be utilized under various atmospheric conditions, Explosion. C. Weismann. 1,675,678; July 3.
- Motor using projectiles. J. C. Johnston. 1,678,047; July 24.
- Motor-vehicle front assembly. E. W. Seabolt and H. J. Earl. Des. 76,428; Sept. 25.
- Motor with scavenging and expulsion through ports in the cylinder, Two-stroke internal-combustion. T. V. Hemmingsen. 1,693,506; Nov. 27.
- Motor without crank shaft. W. de Wasmundt. 1,673,968; June 19.
- Motor wrench, Portable. C. W. Galloway. 1,669,746; May 15.
- Motors and dynamos, Brush for small. R. H. Wappler. 1,655,717; Jan. 10.
- Motors and high-speed shafts driven thereby, Mode of supporting and journaling. R. A. Baldwin. 1,679,890; Aug. 7.
- Motors, Arrangement for governing speed of asynchronous. O. Böhm. 1,681,568; Aug. 21.
- Motors, Automatic starting device for alternate-current. B. Raetrig. 1,689,559; Oct. 30.
- Motors, Brush holder for electric. J. Lindall. 1,671,533; May 29.
- Motors, Brush-lifting device for electric. G. H. Leland. 1,680,795; Aug. 14.
- Motors, Charge-forming structure for internal-combustion. G. W. Downing. 1,686,737; Oct. 9.
- Motors, Control for intermittent. C. H. Smoot. 1,675,062; June 26.
- Motors, Controller for electric. C. T. Evans. 1,662,243; Mar. 13.
- Motors, Controller for electric. R. B. Hunter. 1,658,242; Feb. 7.
- Motors, Ignition coil for combustion. O. Fischer and W. Walther. 1,659,596; Feb. 21.
- Motors, Mounting for outboard. F. Weller. 1,659,580; Feb. 21.
- Motors, Muffler for airplane. M. S. Sullivan. 1,656,576; Jan. 17.
- Motors or the like, Brush lifter for electric. G. H. Leland. 1,666,457; Apr. 17.
- Motors, Protective device for compensated asynchronous. F. Kade. 1,675,495; July 3.
- Motors, Rotor for induction. E. P. Lauffer and S. C. Hoey. 1,686,699; Oct. 9.
- Motors, Short-circuiting device for. G. H. Leland. 1,673,518; June 12.
- Motors, Short-circuiting device for. G. H. Leland. 1,678,437; July 24.
- Motors, Short-circuiting device for electric. H. L. Johnston and M. K. Akers. 1,665,304; Apr. 10.
- Motors, Speed regulation for polyphase induction. K. von Kando. 1,662,549; Mar. 13.
- Motors, Starting system for electric. H. King. 1,682,380; Aug. 28.
- Motors, Suspension for electric railway. A. F. Masury. 1,685,430; Sept. 25.
- Motors, Temperature-indicating apparatus for vehicle propelling. H. H. Boyce. 1,667,027; Apr. 24.
- Motors without starters, Rotary winding for asynchronous. C. Shenfer. 1,682,430; Aug. 28.
- Mount for drawing tables and the like. E. J. Brasseur. 1,683,443; Sept. 4.
- Mount-making machine. M. E. McGowan. 1,655,279; Jan. 3.
- Mountain ride. W. G. Shafer. 1,670,992; May 22.
- Mounting and driving means for snowplow cutting wheels. R. D. Edwards. 1,691,232; Nov. 13.
- Mounting electrical fittings. S. N. Buchanan. 1,675,921; July 3.
- Mounting for baking pans. A. L. Langel. 1,680,220; Aug. 7.
- Mounting for bearings for automobile clutches. F. Beemer. 1,668,668; May 8.
- Mounting for brake gears. S. J. Strid. Re17,151; Dec. 4.
- Mounting for drums and the like. A. H. Skaer, T. E. Barker, and O. E. Clark. 1,689,407; Oct. 30.
- Mounting for electrical devices. T. A. Both. 1,694,159; Dec. 4.
- Mounting for indicating instruments for automobiles. P. M. Gelatt. 1,690,575; Nov. 6.
- Mounting for instrument panels, Lamp. D. E. Keeney. 1,692,449; Nov. 20.
- Mounting for metal window casings, Fixture. C. W. Kirsch. 1,662,927; Mar. 20.
- Mounting for stamps or other objects, Protective. N. M. A. Kjellerup. 1,689,528; Oct. 30.
- Mounting for water-purifying apparatus. I. D. Groak. Des. 76,391; Sept. 25.

- Mounting for windshield cleaners. A. E. Doman. 1,677,175; July 17.
- Mounting for windshield spotlights, etc. A. C. Dobrick. 1,672,605; June 5.
- Mounting glasses on the doors of vehicles, Device for. L. Janoir. 1,680,886; Aug. 14.
- Mounting inserts in and drilling battery-jar vent caps, Apparatus for. B. A. Evans and W. H. Slabaugh. 1,661,417; Mar. 6.
- Mounting machine. W. M. Carter. 1,658,016; Jan. 31.
- Mounting, Machine. P. Suter. 1,686,993; Oct. 9.
- Mounting mirrors and the like. E. de H. Steel. 1,682,584; Aug. 28.
- Mounting, Removable-unit. W. B. Jupp. 1,685,569; Sept. 25.
- Mounting windows. A. S. Tüñez. 1,690,385; Nov. 6.
- Mouse and rat trap, Combination. F. J. Ebel. 1,665,951; Apr. 10.
- Mouse and rat trap, Self-setting. E. Harris. 1,680,878; Aug. 14.
- Mouthpiece for horns. W. Wolfe. 1,666,228; Apr. 17.
- Mouthpiece for musical wind instruments. E. Bercioux. 1,696,516; Dec. 25.
- Mouthpiece or holder, Cigarette or cigar. A. Weintraud. 1,683,508; Sept. 4.
- Movement mechanism, Intermittent-. V. R. Stenger. 1,676,117; July 8.
- Movements, Apparatus for imparting. W. Stroud and J. W. French. 1,674,143; June 19.
- Moving bodies, System for controlling the direction of. J. H. Hammond, jr., and A. D. Trenor. 1,659,653; Feb. 21.
- Moving freight-car doors, Device for. G. A. Plunkett. 1,676,502; July 10.
- Moving material, Method and apparatus for treating continuously-. C. R. Weihe. 1,659,794; Feb. 21.
- Mower. P. H. Lehr. 1,672,461; June 5.
- Mower. M. Salas. 1,690,950; Nov. 6.
- Mower. H. A. Sheets. 1,656,078; Jan. 10.
- Mower and garden trimmer, Lawn. P. Pidlisny. 1,660,764; Feb. 28.
- Mower attachment, Lawn-. A. Panalle and G. Alexander. 1,695,438; Dec. 18.
- Mower attachment, Lawn-. F. M. Ritter. 1,677,250; July 17.
- Mower-bar construction. A. T. Brown. 1,672,363; June 5.
- Mower comb attachment, Lawn-. J. Robertson. 1,662,785; Mar. 13.
- Mower cutter drive, Lawn-. C. C. Worthington. 1,670,645; May 22.
- Mower, Electrically-driven lawn. E. Watson. 1,674,847; June 26.
- Mower, Lawn. W. H. Adkins. 1,677,377; July 17.
- Mower, Lawn. W. F. H. Braun. 1,663,900; Mar. 27.
- Mower, Lawn. J. S. Clapper. 1,693,475; Nov. 27.
- Mower, Lawn. W. H. Bailey. 1,662,849; Mar. 20.
- Mower, Lawn. G. S. Donaldson. 1,671,277; May 29.
- Mower, Lawn. W. H. Haines. 1,687,202; Oct. 9.
- Mower, Lawn. J. P. Hawkins. 1,690,899; Nov. 6.
- Mower, Lawn. J. Vannette. 1,654,767; Jan. 31.
- Mower, Lawn. C. C. Worthington. 1,664,721; Apr. 3.
- Mower, Motor-driven lawn. C. H. Miller. 1,657,514; Jan. 31.
- Mower, Power lawn. A. Felton. 1,672,250; June 5.
- Mower, Power lawn. H. S. Humphrey. 1,692,838; Nov. 27.
- Mower, Vacuum lawn. G. D. Jones. 1,669,471; May 15.
- Mowers, Attachment for. A. J. Holland. 1,665,032; Apr. 3.
- Mowers, Attachment for lawn. J. B. Paine and J. W. Spradley. 1,692,185; Nov. 20.
- Mowers, Automatic reversible foot-lever lift for. C. Pearson. 1,660,454; Feb. 28.
- Mowers, Grass conveyer for lawn. J. C. Johnson. 1,686,563; Oct. 9.
- Mowers, Tractor hitch for lawn. F. V. Donald. 1,658,430; Feb. 7.
- Mowing machine. W. W. Barker. 1,659,511; Feb. 14.
- Mowing machine. P. Holmes. 1,676,088; July 3.
- Mowing machine. T. J. Noack. 1,689,402; Oct. 30.
- Mowing machine. R. E. Watts. 1,657,811; Jan. 31.
- Mowing machine, Four-horse. M. L. Dwyer. 1,668,108; May 1.
- Mowing machine, Gang lawn-. C. C. Worthington. 1,654,568; Jan. 3.
- Mowing machines, Cutter-bar-adjusting mechanism for. E. Baseman. 1,664,102; Mar. 27.
- Mowing machines, Cutter bar for. J. H. Webb. 1,656,090; Jan. 10.
- Mowing machines, Guard finger for. E. S. Fisher and E. R. Mendrop. 1,667,627; Apr. 24.
- Mowing machines, Seed-saving attachment for. J. C. Jones. 1,688,969; Oct. 23.
- Mowing machines, Tilting device for cutter bars of. C. Pearson. 1,658,999; Feb. 14.
- Mowing machines, Wrist pin for. O. D. Teel. 1,657,419; Jan. 24.
- Mudguard for motor vehicles. H. Dédisse. 1,695,247; Dec. 11.
- Mud grip. J. J. Weier. 1,687,701; Oct. 16.
- Muff, Foot. E. R. Wendemuth. 1,686,588; Oct. 9.
- Muffle for sintering machine. J. C. Devick. 1,692,976; Nov. 27.
- Muffle, Refractory. C. W. Saxe. 1,661,309; Mar. 6.
- Muffler. A. F. Dormeyer. 1,688,488; Oct. 23.
- Muffler. R. C. Glover. 1,655,143; Jan. 3.
- Muffler. J. H. Gould and F. Hyatt. 1,670,766; May 22.
- Muffler. E. P. Gray. 1,656,629; Jan. 17.
- Muffler. W. A. Kull. 1,655,230; Jan. 3.
- Muffler. R. J. MacKenzie and L. L. Haas. 1,683,084; Sept. 4.
- Muffler. A. H. Quarmby. 1,681,255; Aug. 21.
- Muffler. C. E. Stade. 1,677,570; July 17.
- Muffler. H. E. Tyler. 1,685,302; Sept. 25.
- Muffler. J. W. Williams. 1,682,316; Aug. 28.
- Muffler, Air-cooled. E. P. Gray. 1,682,077; Aug. 28.
- Muffler and heater, Combined. W. A. Kysor. 1,684,186; Sept. 11.
- Muffler, Boiler blow-off. T. E. Paradise. 1,687,308; Oct. 9.
- Muffler for automobile horns. D. P. Burness. 1,672,406; June 5.
- Muffler for internal-combustion engines. J. Ledwinka. 1,671,829; May 29.
- Muffler for internal-combustion engines, Exhaust-gas. J. Blanchard. 1,685,701; Sept. 25.
- Muffler, Whirlpool. A. P. J. Voigt. 1,661,980; Mar. 6.
- Multicolor screens, Making. C. E. K. Mees. 1,666,048; Apr. 10.
- Multiphase equipment protection. A. N. Orr and S. H. Goldberg. 1,692,138; Nov. 20.
- Multiphase traction device. A. E. Holcomb. 1,665,302; Apr. 10.
- Multiple cloth shears. C. G. Richardson. 1,672,780; June 5.
- Multiple connector. R. C. Colwell. 1,659,312; Feb. 14.
- Multiple flywheel. J. O. Carrey. 1,689,913; Oct. 30.
- Multiple lock. E. R. Turner. 1,676,623; July 10.
- Multiple mold. S. Flam. 1,687,010; Oct. 9.
- Multiple mold. S. Flam. 1,696,756; Dec. 25.
- Multiple shears. F. C. Biggert, jr. 1,678,458; July 24.
- Multiplex directional receiving, Arrangement for. N. von Korshenewski. 1,666,024; Apr. 10.
- Multiplication device. K. Seifert. 1,687,182; Oct. 9.
- Multiplier. E. F. Weston. 1,660,285; Feb. 21.
- Multiplier, Dobby. V. H. Jennings and H. H. Watson. 1,679,663; Aug. 7.
- Multiplier mechanism for calculating machines. G. C. Chase. 1,685,074; Sept. 18.
- Multiplying device for automatic mechanisms, Function-. C. S. Burton. 1,656,619; Jan. 17.
- Multipressure regulator. S. B. Redfield. 1,665,279; Apr. 10.
- Multishock absorber. H. H. Evans. 1,654,798; Jan. 3.
- Multistage blower. G. W. McKee. 1,672,986; June 12.
- Mushroom bed. R. H. Morris, 3d. 1,694,482; Dec. 11.
- Mushroom vent. W. T. McFarland. 1,672,496; June 5.
- Music chart. H. D. Hoffmeister. 1,666,382; Apr. 17.
- Music educational appliance. E. E. Scovill. 1,657,137; Jan. 24.
- Music holder. A. H. Young. 1,675,834; July 3.
- Music-leaf turner. R. W. De Reign. 1,685,024; Sept. 18.
- Music-leaf turner. W. E. Lahti. 1,684,283; Sept. 11.
- Music-leaf turner. M. Niemi. 1,660,205; Feb. 21.
- Music-leaf turner. C. Tartaglia. 1,667,908; May 1.
- Music rack. I. W. Giese. 1,682,122; Aug. 28.
- Music rack or support. B. F. Knell. 1,660,169; Feb. 21.
- Music roll. L. S. Roberts. 1,670,380; May 22.
- Music roll for player pianos. O. Foss. 1,677,756; July 17.
- Music-roll tab. W. F. Koch. 1,665,963; Apr. 10.
- Music rolls, Method and apparatus for preparing. J. C. Hagey. 1,686,557; Oct. 9.
- Music-sheet turner. J. T. Gentry. 1,656,273; Jan. 17.
- Music stand. J. H. Kliegl. Des. 76,755; Oct. 30.
- Music terminal and clasp. T. M. Pletcher. 1,656,390; Jan. 17.
- Music-time-counting device. E. H. Welch. 1,664,010; Mar. 27.
- Musical instrument. J. L. Banks. Re16,986; June 5.
- Musical instrument. W. Bartholomae. 1,671,882; May 29.
- Musical instrument. C. H. Bullis. 1,695,574; Dec. 18.
- Musical instrument. J. Dopyera. 1,672,153; June 5.
- Musical instrument. F. W. Fellows. 1,685,401; Sept. 25.
- Musical instrument. K. Garaguly. 1,657,158; Jan. 24.
- Musical instrument. F. Gretsch. 1,685,706; Sept. 25.
- Musical instrument. J. E. Hillebrandt. 1,693,924; Dec. 4.
- Musical instrument. R. Howard. 1,690,340; Nov. 6.
- Musical instrument. A. N. Ivanoff. 1,668,406; May 1.
- Musical instrument. W. Lilly. 1,672,386; June 5.
- Musical instrument. A. O'Malley. 1,657,026; Jan. 24.
- Musical instrument. W. J. Ostendorf. 1,691,669; Nov. 13.
- Musical instrument. J. Rapsevez. 1,691,168; Nov. 13.
- Musical instrument. O. A. Ross. 1,691,826; Nov. 13.
- Musical instrument. J. C. Socin. 1,663,146; Mar. 20.
- Musical instrument. E. F. Stromberg. 1,672,699; June 5.
- Musical instrument. E. M. Weaver. 1,666,226; Apr. 17.
- Musical instrument, Automatic. T. F. Cheek. 1,665,905; Apr. 10.
- Musical instrument, Automatic. J. E. Graf. 1,671,987; June 5.
- Musical instrument, Automatic. C. F. Stoddard. 1,660,632; Feb. 28.
- Musical instrument, Automatic. C. F. Stoddard. 1,665,863; Apr. 10.

- Musical instrument, Automatic. C. F. Stoddard. 1,689,250; Oct. 30.
- Musical instrument, Automatic. A. Swensen. 1,687,046; Oct. 9.
- Musical-instrument case. S. A. Click. 1,685,123; Sept. 25.
- Musical instrument, Mechanical. C. Maerten. 1,660,172; Feb. 21.
- Musical-instrument mouthpiece. W. N. Morris. 1,655,656; Jan. 10.
- Musical instrument, Record-controlled. T. F. Cheek. 1,660,546; Feb. 28.
- Musical instrument, Record-controlled. T. F. Cheek. 1,676,633; July 10.
- Musical-instrument stand. C. T. Dunklau. 1,684,912; Sept. 18.
- Musical instrument, Stringed. A. Boothe. 1,684,467; Sept. 18.
- Musical instrument, Stringed. C. L. Dewey. 1,678,136; July 24.
- Musical instrument, Stringed. A. Lemansky and S. Ziepl. 1,671,532; May 29.
- Musical instrument, Stringed. H. M. Lentz. 1,679,834; Aug. 7.
- Musical instrument, Stringed. C. H. Merritt. 1,690,870; Nov. 6.
- Musical-instrument support. C. R. Yingling. 1,670,397; May 22.
- Musical instruments, Attachment for. F. S. Habeger. 1,659,629; Feb. 21.
- Musical instruments, Attachment for mouthpieces of. R. J. McVicker. 1,680,159; Aug. 7.
- Musical instruments, Automatic mechanism for operating drawers of automatic. H. J. La Joie. 1,680,385; Aug. 14.
- Musical instruments, Case for. A. C. Geib. 1,664,476; Apr. 3.
- Musical instruments, Control-carrying slide for self-playing. E. A. Huseby. 1,676,780; July 10.
- Musical instruments, Device for playing. G. Gonzalez. 1,690,860; Nov. 6.
- Musical instruments, Electrical display for stringed. R. H. Beers. 1,669,117; May 8.
- Musical instruments, Expression-controlling mechanism for pneumatically-operated. H. J. La Joie, U. Urquhart, and F. Pokorny. 1,666,602; Apr. 17.
- Musical instruments, Expression mechanism for automatic. C. F. Stoddard. 1,660,631; Feb. 28.
- Musical instruments, Mechanism for controlling the dynamics of pneumatically-operated. H. J. La Joie. 1,668,159; May 1.
- Musical instruments, Operating means for. A. Nelson. 1,685,240; Sept. 25.
- Musical instruments, Resonance ring for stringed. G. Altermatt. 1,678,456; July 24.
- Musical instruments, Shutter-control mechanism for. J. H. Hammond, Jr. 1,693,751; Dec. 4.
- Musical instruments, Stopping mechanism for stringed. J. Mokrejs. 1,693,560; Nov. 20.
- Musical instruments, Tensioning device for metal strings for. J. J. Fisher. 1,684,057; Sept. 11.
- Musical instruments, Tracker mechanism for. L. S. Lockwood. 1,669,391; May 8.
- Musical-sound-producing instrument. F. B. Little. 1,691,295; Nov. 13.
- Musical sounds, Method and apparatus for producing. R. K. Potter. 1,678,872; July 31.
- Musical wind instrument, Keyed. M. Evette. 1,669,745; May 15.
- Musical wind instruments, Reed for. F. Brockman, Jr. 1,667,836; May 1.
- Mute for musical instruments. E. L. English. 1,671,818; May 29.
- Mute for violins and like musical instruments. L. M. Pardy. 1,671,871; May 29.
- N-alkylcarbazoles, Purification of. F. S. Mortimer and R. W. Hess. 1,674,216; June 19.
- Nail. G. C. Pedderman. 1,691,470; Nov. 13.
- Nail. W. O. Isaacson. 1,661,042; Feb. 28.
- Nail. T. Lund. 1,656,333; Jan. 17.
- Nail buffer, Automatic. E. W. Sandford. 1,657,768; Jan. 31.
- Nail, Clamp. C. C. Jensen. 1,664,687; Apr. 3.
- Nail, Clamp. C. C. Jensen. 1,677,092; July 10.
- Nail container and dispenser. O. Breithaupt. 1,659,763; Feb. 21.
- Nail distributor. T. Lund. 1,657,630; Jan. 31.
- Nail driver. A. T. Phillips. 1,696,781; Dec. 25.
- Nail expansion. J. Karitzky. 1,668,594; May 8.
- Nail expansion. J. Karitzky. 1,694,266; Dec. 4.
- Nail-expansion shields, Manufacturing. H. W. Pleister and J. Karitzky. 1,674,661; June 26.
- Nail file and clip therefor. R. McFarland. 1,663,089; Mar. 20.
- Nail for wood and similar material. S. C. Abreu. 1,670,398; May 22.
- Nail-holding attachment for hammers. A. Lochhead. 1,695,339; Dec. 18.
- Nail, Lath-spacing. W. W. Galbreath. 1,666,561; Apr. 17.
- Nail-making machine. R. W. Strout. 1,685,439; Sept. 25.
- Nail set. O. Olsen. 1,688,130; Oct. 16.
- Nail setter. E. F. Malouf. 1,665,609; Apr. 10.
- Nail setter. E. F. Malouf. 1,690,987; Nov. 6.
- Nail, Staple. J. B. Manley. 1,668,776; May 8.
- Nail straightener. M. C. V. 1,666,844; Apr. 17.
- Nail stripper. F. M. Murakoshi. 1,677,527; July 17.
- Nailing block. S. D. Butterworth. 1,682,662; Aug. 28.
- Nailing insert. G. W. Brooks. 1,691,265; Nov. 13.
- Nailing machine. T. Lund. 1,656,357; Jan. 17.
- Nailing machine. E. R. Pope. 1,686,764; Oct. 9.
- Nailing machine, Floor-. A. A. Fawcett. 1,693,290; Nov. 27.
- Nailing machine, Heel-. E. R. Pope. 1,686,765; Oct. 9.
- Nailing strip. D. R. Bard. 1,657,851; Jan. 31.
- Nailing strip or block. C. M. Johnson. 1,685,491; Sept. 25.
- Nails, Apparatus for forming double-headed. N. Yates, Jr. 1,667,338; Apr. 24.
- Name plate. A. L. Myers. 1,685,334; Sept. 25.
- Name plate, Automobile. S. G. Brooks. 1,660,117; Feb. 21.
- Naphthalene, Catalytic oxidation of. A. O. Jaeger. 1,692,126; Nov. 20.
- Naphthalene in illuminating gas, Quantitative determination of. W. H. Fulweiler. 1,678,591; July 24.
- Naphthalene, Purification of. G. Schroeter. 1,680,070; Aug. 7.
- Naphthene compound, Oil-soluble. O. E. Bransky. 1,681,657; Aug. 21.
- Naphthols, Manufacture of new sulphurized derivatives of. E. Kraus. 1,690,641; Nov. 6.
- Naphthoquinone, Preparation of new derivatives of. A. Wahl and R. Lantz. 1,657,809; Jan. 31.
- Naphthoquinones, Manufacture of new derivatives of. R. Lantz and A. Wahl. 1,666,241; Apr. 17.
- Napkin. M. J. Aboarab. Des. 74,338; Feb. 7.
- Napkin and package, Folded. G. A. Shafer and F. H. Wirtz. 1,672,658; June 5.
- Napkin and the like. D. W. Hudson. 1,658,085; Feb. 7.
- Napkin fold. P. J. Christman. 1,683,335; Sept. 4.
- Napkin, Infantile. M. Budwig and J. N. Schneider. 1,694,161; Dec. 4.
- Napkin or the like, Paper. E. C. Morris. 1,689,742; Oct. 30.
- Napkin stand. F. Schofer. 1,696,556; Dec. 25.
- Napkin support. E. G. Humphrey. 1,669,983; May 15.
- Narcotica, Producing. E. Hesse. 1,695,656; Dec. 18.
- Nasal cleaning device. J. E. Condren. 1,658,801; Feb. 14.
- Nasal retractor or speculum. W. J. Cameron. 1,664,660; Apr. 3.
- Nautical position finder. C. G. Guy. 1,687,018; Oct. 9.
- Navigation-directing system. H. W. O'Neill. 1,689,292; Oct. 30.
- Navigation apparatus, Gyro. J. B. Henderson. 1,671,583; May 29.
- Navigation apparatus, Gyroscopic. P. Schilovsky. 1,655,247; Jan. 3.
- Nebulizer. C. L. Riley. 1,676,113; July 3.
- Neckband former and stretcher. C. Raditsch. 1,664,381; Mar. 27.
- Necklace. D. Sweeney. Des. 74,705; Mar. 13.
- Necklace or similar article. E. A. Schuelke. Des. 70,960; Nov. 20.
- Necklace or similar article. E. A. Schuelke. Des. 77,188; Dec. 11.
- Necktie. J. F. Baker. 1,678,374; July 24.
- Necktie. S. Goldberg. 1,694,816; Dec. 11.
- Necktie. H. Leoni. 1,675,758; July 3.
- Necktie. S. Riser. Des. 75,874; July 24.
- Necktie. T. Rochman. 1,696,691; Dec. 25.
- Necktie. H. F. Waters. 1,654,769; Jan. 3.
- Necktie and making the same. O. Weinstein. 1,675,999; July 3.
- Necktie, Bow. A. L. Howard. 1,692,991; Nov. 27.
- Necktie form. G. Ponarouse. 1,656,795; Jan. 17.
- Necktie frame, Bow-. W. F. Smith. 1,665,509; Apr. 10.
- Necktie guide. D. C. Carr. 1,668,628; May 8.
- Necktie holder. A. Meyer and W. Kretzschmar. 1,664,892; Apr. 3.
- Necktie holder. F. Zinis. 1,660,738; Feb. 28.
- Necktie press. H. D. Brandt. 1,662,562; Mar. 13.
- Necktie rack. I. E. Burt. 1,675,922; July 3.
- Necktie rack. C. H. Pajean. 1,691,123; Nov. 13.
- Necktie retainer. J. C. Betts. 1,682,952; Sept. 4.
- Necktie retainer. J. Rosman. 1,686,469; Oct. 2.
- Neckwear. E. P. Parsons. 1,687,177; Oct. 9.
- Neck yoke. C. C. Carter. 1,662,737; Mar. 13.
- Neck-yoke attachment. L. D. C. McNeill. 1,670,818; May 22.
- Needle-and-suture assembly, Making. H. D. Morton and M. Parker. 1,665,216; Apr. 10.
- Needle and the like. S. W. Finch. 1,674,508; June 19.
- Needle-controlling mechanism, Sewing-machine-. F. M. Card. 1,695,680; Dec. 18.
- Needle-dispensing device, Automatic. N. J. Pilot. 1,655,393; Jan. 3.
- Needle for jacquard. T. Kelley. 1,674,013; June 19.
- Needle for repairing runs in knitted fabrics. H. T. Rollins. 1,682,985; Sept. 4.
- Needle for repairing runs in knitted goods. C. E. B. Osberg. 1,692,220; Nov. 20.
- Needle for tufting machines. O. Tervo. 1,689,413; Oct. 30.
- Needle guard for sewing machines. R. L. Lyons. 1,684,453; Sept. 18.
- Needle holder. U. S. Chapman. 1,684,473; Sept. 18.
- Needle, Knitting. F. M. Frazier. 1,676,947; July 10.

- Needle, Knitting-machine. A. E. Page. 1,673,634; June 12.
- Needle, Knitting-machine. R. W. Scott. 1,662,281; Mar. 13.
- Needle-lease reed. K. Hauser. 1,682,334; Aug. 28.
- Needle-making machine. A. Hofmann and O. Kanis. 1,696,484; Dec. 25.
- Needle mechanism, Spring-beard-. W. S. Parker. 1,679,624; Aug. 7.
- Needle plate for fur-sewing machines. H. Ross. 1,677,991; July 24.
- Needle, Runner-mender. J. E. Shepperack. 1,692,583; Nov. 20.
- Needle-selector jacquard for knitting machines. K. Howie. 1,684,586; Sept. 18.
- Needle, Sewing. H. I. Lippard. Re16,926; Apr. 10.
- Needle, Surgical. C. T. Davis. 1,695,887; Dec. 18.
- Needle, Tufting. C. A. Dahlen. 1,674,855; June 26.
- Needle, Tufting. C. Kottler. 1,671,957; May 29.
- Negative-impedance device. M. Latour. 1,687,253; Oct. 9.
- Negatives for diagnoses, Mounting. E. B. Mabee. 1,680,299; Aug. 14.
- Negatives for photoreproduction work, Preparing large assembled. A. J. Newton. 1,679,942; Aug. 7.
- Negatives, Making duplicate. J. G. Capstaff. 1,690,617; Nov. 6.
- Neon tube. R. R. Machlett. 1,689,146; Oct. 23.
- Neopyridium, Obtaining. I. Ostromilensky. 1,680,110; Aug. 7.
- Nest structure. C. M. Shilliam. 1,687,901; Oct. 16.
- Nest, Trap. T. P. Garankin. 1,696,394; Dec. 25.
- Nest, Trap. J. L. Skinner. 1,692,957; Nov. 27.
- Nesting partition blanks, Process and apparatus for. F. D. Willi. 1,682,878; Sept. 4.
- Net, Burglar. V. E. Davidson. 1,675,166; June 26.
- Net fabrics in net-making machines, Apparatus for arranging edges of. S. Kakuda. 1,667,461; Apr. 24.
- Net, Fish-landing. H. G. Allen. 1,668,835; May 8.
- Net-making machines, Reed for. S. Kakuda. 1,664,113; Mar. 27.
- Network, Impedance-correcting. K. Küpfmüller. 1,690,233; Nov. 6.
- Network, Reactance neutralizing. J. S. Stone. 1,674,705; June 26.
- Neutralizing alternating currents. J. W. Milnor. 1,688,735; Oct. 23.
- Neutralizing bar. A. J. Rostal. 1,663,466; Mar. 20.
- Neutralizing the alkalinity of water. A. H. White. 1,693,065; Nov. 27.
- News post. R. E. Morris. 1,691,663; Nov. 13.
- Newspaper rack, Portable. H. L. Kuchins. Des. 76,023; Aug. 14.
- Newspaper-stuffing machine. S. Halvorsen. 1,659,099; Feb. 14.
- News stand, Outdoor. H. M. Feist. 1,671,359; May 29.
- News stand with adjustable top. W. O'Boyle. 1,696,317; Dec. 25.
- Nib for abrading machines, Abrading. F. J. Hohnhorst. 1,675,804; July 3.
- Nibbling machine. G. N. Hutchinson and G. S. Carden. 1,691,928; Nov. 20.
- Niche. E. Kaim. Des. 77,239; Dec. 18.
- Nickel, Pulverizing and alloying. W. R. Veazey. 1,680,825; Aug. 14.
- Nicotine from tobacco to any desired extent without destroying its aroma, Removing. T. Schloesing. 1,671,259; May 29.
- Nicotine solutions. Testing. E. Cox. 1,678,636; July 31.
- Night light, Hospital. P. M. Hotchkin. 1,670,572; May 22.
- Nipple. T. and G. Campobasso. 1,666,772; Apr. 17.
- Nipple applicator. F. A. Armstrong. 1,676,236; July 10.
- Nipple, Bottle. R. T. Griffiths. 1,683,246; Sept. 4.
- Nipple chuck and pipe bender. R. A. Schmitt. 1,665,643; Apr. 10.
- Nipple for collapsible tubes, Discharge. M. Falk. 1,658,233; Feb. 7.
- Nipple for nursing bottle. C. J. Reilly. 1,672,734; June 5.
- Nipple for nursing bottles. J. L. Correnti. 1,656,157; Jan. 17.
- Nipple, Nursing. H. H. Ganson. 1,673,190; June 12.
- Nitrates and a dry mixture of chlorine and nitrosyl chloride, Preparation of. W. Dominik. 1,658,519; Feb. 7.
- Nitrates, Production of alkali metal. W. Wild and C. Beck. 1,674,077; June 19.
- Nitration process. J. Marshall and F. H. Bergeim. 1,660,651; Feb. 28.
- Nitriles, Making aromatic. I. V. Giles. 1,672,253; June 5.
- Nitriles, Producing alkylated aliphatic. M. Boekmühl and G. Ehrhart. 1,690,325; Nov. 6.
- Nitrites, Production of. E. T. Drake. 1,685,629; Sept. 25.
- Nitrocellulose composition. C. Bogn. 1,659,906; Feb. 21.
- Nitrocellulose in solutions by mechanical action, Lowering the viscosity of. G. H. Tozier. 1,666,049; Apr. 10.
- Nitrocellulose-lacquer composition. C. L. Gabriel and C. Bogn. 1,673,111; June 12.
- Nitrocellulosic materials, Reducing the viscosity of. C. U. Prachel. 1,661,736; Mar. 6.
- Nitrogen and hydrogen, Making a mixture of. F. G. Liljenroth. 1,678,518; July 24.
- Nitrogen and hydrogen, Producing mixtures of. W. Gaus and W. Wild. 1,666,694; Apr. 17.
- Nitrogen from crude calcium cyanamide, Recovering combined. G. H. Buchanan and P. W. Griffith. 1,678,721; July 31.
- Nitrogenous bases from hydrocarbon materials, Obtaining. H. K. Ihrig. 1,686,136; Oct. 2.
- Nitroguanidine and making same, Finely-divided. A. P. Tanberg and R. L. Kramer. 1,679,752; Aug. 7.
- Nitro-2,3-dichloro-1,4-naphthoquinone and preparing the same. J. Stock. 1,681,599; Aug. 21.
- Noise and vibration reducing device. H. L. Rogers. 1,689,052; Oct. 23.
- Noise eliminator, Tappet-. A. Clemensen. 1,692,435; Nov. 20.
- Nonskid device. F. O. Wells. 1,661,280; Mar. 6.
- Nonskid device for pneumatic tires. W. S. Topper. 1,673,427; June 12.
- Nonsynchronous motor. V. A. Fynn. 1,670,030; May 15.
- Nonvibrating gauge. O. W. Heise. 1,664,776; Apr. 3.
- Note sheets, Manufacturing. C. F. Stoddard. 1,682,690; Aug. 28.
- Novelty, Advertising. H. F. Austin. 1,671,460; May 29.
- Novelty box. T. S. Gorton, jr. 1,681,730; Aug. 21.
- Novelty, Combination. E. E. La Schum. 1,670,199; May 15.
- Novelty device. E. G. Masters. 1,664,695; Apr. 3.
- Novelty, Smoker's. E. Caldwell. 1,691,564; Nov. 13.
- Novelty, Wind-actuated. W. P. Vincent. 1,666,543; Apr. 17.
- Nozzle. L. Badaracco. 1,656,160; Jan. 17.
- Nozzle. J. Fraser. Des. 76,996; Nov. 27.
- Nozzle. F. E. Hansen. 1,664,816; Apr. 3.
- Nozzle. D. D. Heimbürger. 1,660,557; Feb. 28.
- Nozzle. H. W. A. Lehnert. 1,676,035; July 3.
- Nozzle. E. F. Lunken. 1,669,419; May 15.
- Nozzle. E. G. Munz. 1,667,943; May 1.
- Nozzle. S. Sachs. 1,691,498; Nov. 13.
- Nozzle. F. F. Wolf. 1,670,675; May 22.
- Nozzle, Adjustable. G. Browning. 1,656,417; Jan. 17.
- Nozzle, Adjustable. J. W. Cottingham. 1,688,614; Oct. 23.
- Nozzle adjustment for vacuum cleaners. T. O. Adams. 1,663,364; Mar. 20.
- Nozzle and closure therefor. J. M. Hothersall. 1,655,648; Jan. 10.
- Nozzle and control, Fuel. E. C. Lange. 1,678,398; July 24.
- Nozzle and gauge, Combination air. A. S. Marchus. 1,695,018; Dec. 11.
- Nozzle, Atomizer. G. M. Minton, jr. Des. 74,382; Feb. 7.
- Nozzle, Atomizing. W. C. Elze. 1,655,222; Jan. 3.
- Nozzle, Blowpipe. R. J. Kehl. 1,696,091; Dec. 18.
- Nozzle casing for suction cleaners. C. C. Dance. Des. 74,555; Feb. 28.
- Nozzle construction for steam turbines. G. Menz. 1,679,619; Aug. 7.
- Nozzle construction, Needle-. L. M. Karnasch. 1,690,685; Nov. 6.
- Nozzle, Exhaust. W. S. Haines. 1,666,376; Apr. 17.
- Nozzle, Fire foam. B. Reddemann. 1,681,363; Aug. 21.
- Nozzle for electric driers. W. O. Lum. 1,673,050; June 12.
- Nozzle for internal-combustion engines, Fuel. L. V. Hosford. 1,673,511; June 12.
- Nozzle for ladders. J. L. Cox and R. Furness. 1,662,600; Mar. 13.
- Nozzle for macerating machines and the like, Spraying. R. W. Sharp. 1,663,263; Mar. 20.
- Nozzle for oil burners. C. L. Rayfield. 1,693,866; Dec. 4.
- Nozzle for printing presses, Suction. S. H. Plum. 2d. and H. Duff. 1,694,719; Dec. 11.
- Nozzle for sheet-metal containers. H. E. Barroll. 1,681,083; Aug. 14.
- Nozzle for spinning artificial threads. H. Hoffmann, H. Mark, and R. O. Herzog. 1,672,644; June 5.
- Nozzle for the production of artificial filaments. L. A. Levy. 1,676,831; July 10.
- Nozzle for transport lines, Blower. R. Scott. 1,686,713; Oct. 9.
- Nozzle, Gasoline-hose. H. C. Segelken. 1,660,627; Feb. 28.
- Nozzle, Hose. A. T. Carnes. 1,695,452; Dec. 18.
- Nozzle, Hose. M. H. Hart. 1,695,097; Dec. 11.
- Nozzle, Injection. H. Dörner. 1,690,893; Nov. 6.
- Nozzle, Multiple diffusing. L. Dufour. 1,681,176; Aug. 21.
- Nozzle, Multiple-flame blowpipe. R. J. Kehl. 1,696,092; Dec. 18.
- Nozzle, Nonclogging spray. A. L. Webre. 1,693,629; Dec. 4.
- Nozzle-propelling mechanism and propelling the same. L. R. Titcomb and H. S. Ashmun. 1,675,738; July 3.
- Nozzle, Road-oil-spraying. S. S. Girling. 1,693,230; Nov. 27.
- Nozzle, Sanitary douche. W. Novack. 1,665,790; Apr. 10.
- Nozzle, Sanitary syringe. S. C. Wood. 1,676,308; July 10.
- Nozzle, Sluiceway. F. B. Allen. 1,694,635; Dec. 11.
- Nozzle, Spray. H. O. McGee. 1,658,645; Feb. 7.
- Nozzle, Spray. B. S. Nelson. 1,674,480; June 19.
- Nozzle, Spray. R. M. Strong. 1,665,482; Apr. 10.
- Nozzle, Suction. R. P. Sweeney. Des. 75,195; May 15.
- Nozzle support, Portable fire-. J. B. Blaw. 1,667,342; Apr. 24.

- Nozzle, Valve-controlled filling. H. J. Ernst. 1,655,139; Jan. 3.
- Nozzle, Vaporizing. E. E. Goller. 1,677,766; July 17.
- Nozzle, Variable exhaust. J. G. Blunt. 1,693,219; Nov. 27.
- Nozzles, Apparatus for making. J. H. Taylor. 1,678,451; July 24.
- Nozzles, Making. J. H. Taylor. 1,680,073; Aug. 7.
- Number plate for motor vehicles, Luminous. F. Giordano. 1,672,565; June 5.
- Number plate for vehicles. W. E. Findlater. 1,668,805; May 8.
- Numbering and counting device. W. W. Lasker. 1,684,545; Sept. 18.
- Numbering device for printing presses, Automatic. K. Frenzel. 1,673,321; June 12.
- Numbering machine. J. H. Reinhardt. 1,672,392; June 5.
- Nursery chair. M. M. Sutton. Des. 76,069; Aug. 14.
- Nursery seat. A. G. Feldman. 1,678,501; July 24.
- Nut. H. W. Connell. 1,684,215; Sept. 11.
- Nut. G. W. Silbaugh. 1,691,829; Nov. 13.
- Nut, Adjusting. C. H. Allen. 1,693,538; Nov. 27.
- Nut and bolt lock. A. C. Joyal. 1,656,118; Jan. 10.
- Nut and making the same, Castellated. H. G. Norwood. 1,674,986; June 26.
- Nut blanks, Apparatus for making lock. I. C. Emery. 1,696,672; Dec. 25.
- Nut blanks, Threading. O. H. de Lapotterie. 1,676,482; July 10.
- Nut, Cap. E. A. Nelson. Des. 76,255; Sept. 4.
- Nut, Cap. J. W. Hughes. 1,684,068; Sept. 11.
- Nut-castellating machine. O. A. Smith and R. C. Kinley. 1,672,004; June 5.
- Nut cracker. J. F. Miller. 1,665,557; Apr. 10.
- Nutcracker. F. E. Modlin. 1,682,681; Aug. 28.
- Nut-cracking machine. W. E. Giesecke. 1,663,980; Mar. 27.
- Nut-cracking machine. W. N. Gradick. 1,695,651; Dec. 18.
- Nut-cracking machine. H. H. Hill. 1,688,966; Oct. 23.
- Nut-cracking machine. E. H. Patton. 1,693,493; Nov. 27.
- Nut, Knobbed. F. D. Wenn and B. M. Stannard. 1,680,270; Aug. 7.
- Nut lock. G. W. Bowman. 1,667,305; Apr. 24.
- Nut lock. I. G. Brennehan. 1,677,266; July 17.
- Nut lock. E. B. Carns. 1,685,120; Sept. 25.
- Nut, Lock. W. F. Cochran. 1,696,523; Dec. 25.
- Nut lock. R. Collins. 1,654,637; Jan. 3.
- Nut, Lock. P. W. Dieter. 1,665,807; Apr. 10.
- Nut, Lock. I. Guiducci. 1,666,375; Apr. 17.
- Nut lock. C. F. Hartkopf. 1,664,744; Apr. 4.
- Nut lock. G. V. Kenton. 1,679,474; Aug. 7.
- Nut lock. O. C. Snyder. 1,663,893; Mar. 20.
- Nut, Lock. L. Tarwater. 1,667,751; May 1.
- Nut lock. D. Wilson. 1,657,949; Jan. 31.
- Nut, Nonremovable. T. N. Burghart. 1,677,269; July 17.
- Nut, Rim. A. E. Bronson. 1,675,597; July 3.
- Nut, Rim. J. Volkhausen. 1,679,844; Aug. 7.
- Nut, Rim. J. Volkhausen. 1,694,459; Dec. 11.
- Nut tapper. E. A. Mollnow. 1,656,286; Jan. 17.
- Nut-tapping machine. H. E. Pruitt. 1,691,825; Nov. 13.
- Nutting machine. H. and W. A. Crehan. 1,660,416; Feb. 28.
- Nuts, Making. P. H. McCain. 1,684,238; Sept. 11.
- Nuts, Making lock. J. G. Furlan. 1,692,497; Nov. 20.
- Oar. A. H. Burns. 1,689,714; Oct. 30.
- Oarlock. A. Borkert. 1,664,153; Mar. 27.
- Oarlock. A. Smith. 1,674,307; June 19.
- Oat huller. R. Stanley. 1,677,111; July 10.
- Oatmeal cutter, Rotary. T. Kipp, jr. 1,670,812; May 22.
- Objective. F. E. Altman. 1,658,365; Feb. 7.
- Objective. C. W. Frederick. 1,668,956; May 8.
- Observation cage. L. D. Hughes. Des. 75,118; May 8.
- Obstetrical instrument. E. Odell. 1,690,942; Nov. 6.
- Ocean stage. O. Hermanson. 1,667,255; Apr. 24.
- Oculist's instrument. A. Hummel. 1,655,700; Jan. 10.
- Odometer. A. L. Barrett. 1,691,510; Nov. 13.
- Odometer. J. H. Hammond, jr., and A. D. Trenor. 1,686,854; Oct. 9.
- Odometer. R. M. Simpson, jr. 1,684,928; Sept. 18.
- Odometer and reset means, Mileage-period-indicating. A. C. Wood. 1,658,069; Feb. 7.
- Odorizer for electric fans, Air. M. A. Clevenger. 1,687,830; Oct. 16.
- Office chair. E. Racz. Des. 76,151; Aug. 21.
- Office indicator. T. W. Sargent. 1,659,748; Feb. 21.
- Oil and gas burner. M. Madsen. 1,663,667; Mar. 27.
- Oil and gas separator. D. G. Lorraine. 1,670,728; May 22.
- Oil and gas separator. D. G. Lorraine. 1,693,849; Dec. 4.
- Oil and gas separator. J. P. Walker. 1,661,685; Mar. 6.
- Oil and gas wells, Mud-laden fluid for. L. Chamberlain. 1,663,492; Mar. 20.
- Oil and high-grade asphalt from petroleum, Producing high-viscous lubricating. A. E. Pew. 1,675,462; July 3.
- Oil and other fluids, Apparatus for elevating. L. H. Miles. 1,663,312; Mar. 20.
- Oil and producing same, Cutting. M. P. Davis. 1,689,011; Oct. 23.
- Oil, Antisludging means for. D. C. Cox. 1,665,845; Apr. 10.
- Oil apparatus. C. F. Tears. 1,688,839; Oct. 23.
- Oil, Apparatus for cracking. G. Egloff. 1,670,106; May 15.
- Oil, Apparatus for cracking. R. S. Pershing. 1,661,196; Mar. 6.
- Oil, Apparatus for purifying used lubricating. E. L. Gross. 1,681,980; Aug. 28.
- Oil, Apparatus for reclaiming used lubricating. P. F. Miller. 1,694,478; Dec. 11.
- Oil, Apparatus for recovering. L. Ranney. 1,660,818; Feb. 28.
- Oil, Apparatus for the treatment for crude. J. C. Umbarger. 1,675,775; July 3.
- Oil, Apparatus for treating. C. P. Dubbs. 1,670,104; May 15.
- Oil, Apparatus for treating. F. A. Kormann. 1,661,804; Mar. 6.
- Oil burner. V. Aiello. 1,680,193; Aug. 7.
- Oil burner. R. H. Aikens. 1,675,149; June 26.
- Oil burner. W. C. Anthony. 1,681,160; Aug. 21.
- Oil burner. H. A. Atwater. 1,676,813; July 10.
- Oil burner. A. H. Beirnes. 1,678,314; July 24.
- Oil burner. J. Benniger. 1,674,631; June 26.
- Oil burner. C. A. Berkins. 1,688,375; Oct. 23.
- Oil burner. W. Borkowicz. 1,666,069; Apr. 17.
- Oil burner. J. M. Brown. 1,655,936-7; Jan. 10.
- Oil burner. I. E. Carlson. 1,691,541; Nov. 13.
- Oil burner. A. I. Carnine. 1,689,113; Oct. 23.
- Oil burner. M. St. Clair. 1,693,623; Dec. 4.
- Oil burner. C. F. Clapham. 1,669,810; May 15.
- Oil burner. C. M. Cleffton. 1,687,606; Oct. 16.
- Oil burner. G. B. Dahl. 1,675,842-3; July 3.
- Oil burner. J. A. D'Elia. 1,687,238; Oct. 9.
- Oil burner. F. and J. Engel. 1,688,806; Oct. 23.
- Oil burner. R. R. Ezdori. 1,663,692; Mar. 27.
- Oil burner. T. B. Ferguson. 1,674,719; June 26.
- Oil burner. M. A. Fesler and J. N. MacRae. 1,680,455; Aug. 14.
- Oil burner. G. A. Fiscalini. 1,688,538; Oct. 23.
- Oil burner. G. V. Felcher. 1,674,282-3; June 19.
- Oil burner. O. A. Fogarty. 1,661,794; Mar. 6.
- Oil burner. W. E. Fogh. 1,669,871; May 15.
- Oil burner. J. E. Fowler. 1,663,753; Mar. 27.
- Oil burner. J. C. Gilmore. 1,663,045; Mar. 20.
- Oil burner. J. G. Gibson and A. J. Frame. 1,670,033; May 15.
- Oil burner. H. A. Greenwald and J. D. Howe. 1,664,410; Apr. 3.
- Oil burner. F. Hardinge. 1,674,247; June 19.
- Oil burner. A. P. Holden and P. Morgan. 1,660,075; Feb. 21.
- Oil burner. H. H. Holmes and A. F. Espersen. 1,682,615; Aug. 28.
- Oil burner. R. C. Hopkins. 1,675,103; June 26.
- Oil burner. E. S. Huntington and A. O. Higinbotham. 1,656,486; Jan. 17.
- Oil burner. B. K. Inglis. 1,684,990-1; Sept. 18.
- Oil burner. H. P. Irmiter. 1,659,631; Feb. 21.
- Oil burner. J. H. Jackson. 1,681,236; Aug. 21.
- Oil burner. W. Kauffman. 1,682,677; Aug. 28.
- Oil burner. L. La Branch. 1,668,773; May 8.
- Oil burner. J. D. Lalor. 1,659,573; Feb. 21.
- Oil burner. A. A. and D. H. Lapointe. 1,657,215; Jan. 24.
- Oil burner. F. J. Lapointe. 1,660,970; Feb. 28.
- Oil burner. C. M. Loepfe. 1,655,232; Jan. 3.
- Oil burner. L. H. and C. M. Loepfe. 1,660,796; Feb. 28.
- Oil burner. J. N. Macrae. 1,673,290; June 12.
- Oil burner. J. N. Macrae. 1,682,531; Aug. 28.
- Oil burner. W. T. Margason. 1,670,516; May 22.
- Oil burner. C. A. Martindale. 1,695,152; Dec. 11.
- Oil burner. W. C. McKesson. 1,673,119; June 12.
- Oil burner. S. E. Meyers. 1,688,395; Oct. 23.
- Oil burner. W. F. Miller. 1,676,274; July 10.
- Oil burner. H. Munro. 1,657,436; Jan. 24.
- Oil burner. R. H. Patterson. 1,662,895; Mar. 20.
- Oil burner. G. Peterson. 1,658,462; Feb. 7.
- Oil burner. W. R. Ray. 1,681,647; Aug. 21.
- Oil burner. C. L. Rayfield. 1,668,697; May 8.
- Oil burner. E. L. Reynolds. 1,690,249; Nov. 6.
- Oil burner. T. A. Ross. 1,670,382; May 22.
- Oil burner. E. W. Rother. 1,677,371; July 17.
- Oil burner. L. L. Scott. 1,656,711; Jan. 17.
- Oil burner. O. J. See. 1,677,800; July 17.
- Oil burner. C. W. Sievert. 1,670,386; May 22.
- Oil burner. W. L. Six. 1,679,633; Aug. 7.
- Oil burner. E. Skillman. 1,666,268; Apr. 17.
- Oil burner. C. R. Smith. 1,688,509; Oct. 23.
- Oil burner. J. H. Smith. 1,674,704; June 26.
- Oil burner. J. H. and R. G. Smith. 1,674,746; June 26.
- Oil burner. R. H. Smith and C. B. Meyers. 1,684,288; Sept. 11.
- Oil burner. P. W. Stevens. 1,660,055; Feb. 21.
- Oil burner. G. D. Sundstrand. 1,687,114; Oct. 9.
- Oil burner. L. T. Thurber. 1,672,397; June 5.
- Oil burner. M. E. Vezie. 1,682,644; Aug. 28.
- Oil burner. J. M. Wenz. 1,682,587; Aug. 28.
- Oil burner. T. F. Williams. 1,689,064; Oct. 23.
- Oil burner. W. W. Williams. 1,658,784; Feb. 7.
- Oil burner, Adjustable. A. C. Ward. 1,667,365; Apr. 24.
- Oil burner, Atomizer. H. L. Staley. 1,655,441; Jan. 10.
- Oil-burner control. J. G. Goodhue and H. J. Sauvage. 1,660,959; Feb. 28.

- Oil burner, Domestic. W. W. Williams. 1,664,339; Mar. 27.
- Oil-burner equipment. L. Tabor and J. Tait. 1,662,783; Mar. 13.
- Oil burner, Fuel-. E. H. Dellling. 1,671,972; June 5.
- Oil burner, Fuel-. C. A. Kilgus, C. A. Burton, and G. O. Bergmoser. 1,667,122; Apr. 24.
- Oil burner, Furnace. C. Anderson. 1,676,471; July 10.
- Oil burner, Hydrocarbon-. J. M. Gee. 1,685,567; Sept. 25.
- Oil-burner plants, Burner head for. C. W. Johnson. 1,694,012; Dec. 4.
- Oil burner, Recuperator-type. G. F. Naab. 1,687,105; Oct. 9.
- Oil burner, Rotary. J. Scheminger, jr. 1,695,030; Dec. 11.
- Oil burner, Self-cleaning. O. Christensen. 1,664,967; Apr. 3.
- Oil burner, Steam-atomizing. L. G. de Kermor. 1,691,048; Nov. 13.
- Oil-burner unit. S. L. Laughlin, H. F. Braun, and W. J. Smith. 1,655,016; Jan. 3.
- Oil burner, Vacuum. W. E. Johnston. 1,687,771; Oct. 16.
- Oil burner, Vacuum. L. F. Schauble. 1,671,319; May 29.
- Oil burners, Pressure equalizer for. D. E. De Velbiss. 1,657,246; Jan. 24.
- Oil burners, Safety mechanism for. O. C. Schroeder. 1,670,745; May 22.
- Oil burners, Trip mechanism for. C. A. Reif. 1,668,605; May 8.
- Oil-burning apparatus. J. W. Logan. 1,667,042; Apr. 24.
- Oil-burning apparatus. T. A. Quart. 1,687,349; Oct. 9.
- Oil-burning apparatus. M. Resek and J. A. Dahlstrom. 1,688,435; Oct. 23.
- Oil-burning apparatus. I. E. Smith. 1,693,061; Nov. 27.
- Oil-burning apparatus. C. M. Stroud. 1,691,311; Nov. 13.
- Oil-burning device. J. A. P. De Guise. 1,671,352; May 29.
- Oil-burning engine. E. A. Sperry. 1,693,966; Dec. 4.
- Oil-burning heater. O. E. C. Woods. 1,683,644; Sept. 11.
- Oil-burning mechanism. O. A. Fogarty. 1,673,110; June 12.
- Oil-burning system. J. W. Cannon. 1,665,443; Apr. 10.
- Oil-burning system. B. Greenfield. 1,671,822; May 29.
- Oil-burning system. F. Higgins and A. E. Nordstrom. 1,679,900; Aug. 7.
- Oil-burning system. A. A. Steward. 1,681,065; Aug. 14.
- Oil can. C. P. Catlin. Des. 74,779; Mar. 27.
- Oil can. C. M. Eveleth. 1,673,446; June 12.
- Oil can. C. F. Long. 1,671,771; May 29.
- Oil can. A. Nymann. 1,657,273; Jan. 24.
- Oil can. A. F. Strafus. 1,683,997; Sept. 11.
- Oil can, Pressure. F. M. Dilley and C. F. Hallberg. 1,681,845; Aug. 21.
- Oil can, Self-draining. S. E. Nord. 1,687,583; Oct. 16.
- Oil-change recorder. D. M. Winans. 1,689,181; Oct. 23.
- Oil cleaner. P. G. Hall. 1,681,232; Aug. 21.
- Oil cleaner. G. W. Kellogg. 1,658,560; Feb. 7.
- Oil cleaner. C. A. Winslow and E. J. Hall. 1,671,391; May 29.
- Oil-cleaner, Auto. L. C. Weinberg. 1,693,471; Nov. 27.
- Oilcloth. H. W. Dieck. Des. 75,017; May 1.
- Oilcloth. H. W. Dieck. Des. 75,100; May 8.
- Oilcloth. H. W. Dieck. Des. 76,920-1; Nov. 20.
- Oilcloth. H. W. Dieck. Des. 76,991; Nov. 27.
- Oilcloth. H. W. Dieck. Des. 77,058-67; Dec. 4.
- Oil composition and preparing same, Cylinder-. R. T. Howes. 1,677,389; July 17.
- Oil composition and preparing the same. R. T. Goodwin. 1,660,294; Feb. 21.
- Oil composition and retardment developing of rancidity therein. W. D. Baldsiefen and T. H. Rogers. 1,675,631; July 3.
- Oil, Controlling the destructive distillation of petroleum. R. W. Hanna. 1,658,241; Feb. 7.
- Oil, Cracking. G. Egloff. 1,688,860; Oct. 23.
- Oil, Cracking. G. Egloff and H. P. Benner. 1,659,398; Feb. 14.
- Oil, Cracking. R. T. Pollock. 1,688,830; Oct. 23.
- Oil-cracking apparatus. F. C. Vande Water and F. R. Sunderman. 1,655,030; Jan. 3.
- Oil, Cracking petroleum. C. P. Dubbs. 1,670,103; May 15.
- Oil, Cracking petroleum. G. Egloff. 1,670,108; May 15.
- Oil, Cracking petroleum. R. T. Pollock. 1,658,415; Feb. 7.
- Oil-cracking still vapors, Method and apparatus for continuously condensing. R. Fleming. 1,655,053; Jan. 3.
- Oil cup. K. L. Parker. 1,689,800; Oct. 30.
- Oil-cup-cap holder. F. Stroinski. 1,675,518; July 3.
- Oil-delivery system, Hydraulic. F. G. Farr. 1,657,532; Jan. 31.
- Oil derivatives and making same, Mineral-. G. Alleman. 1,694,462-3; Dec. 11.
- Oil-dispensing device. H. G. Davis. Re17,168; Dec. 25.
- Oil-dispensing vessel, Dust-proof. W. H. Peaden. 1,676,411; July 10.
- Oil, Distilling mineral. A. E. Pew, jr., and H. Thomas. 1,668,602; May 8.
- Oil, Distilling petroleum. R. W. Hanna. 1,655,603; Jan. 10.
- Oil-distributing device. W. Noble. 1,681,495; Aug. 21.
- Oil distributor. H. Oppenheimer. 1,689,680; Oct. 30.
- Oil drainer and cleaner. E. A. Shadid. 1,661,972; Mar. 6.
- Oil, Emulsifiable. D. R. Merrill. 1,695,197; Dec. 11.
- Oil engine. O. A. Banner. 1,683,752; Sept. 11.
- Oil engine. O. A. Banner. 1,692,150; Nov. 20.
- Oil engine, Working. H. Junkers. 1,683,040; Sept. 4.
- Oil-field emulsion-treating means. F. Gardner. 1,668,766; May 8.
- Oil extractor. T. C. Whitehead. 1,693,738; Dec. 4.
- Oil filler for automobiles. M. Condupa. 1,662,820; Mar. 20.
- Oil, Flotation. G. L. Adams. 1,678,312; July 24.
- Oil, Flotation. R. Luckenbach. 1,688,975; Oct. 23.
- Oil flotation process. A. W. Hahn. 1,690,225; Nov. 6.
- Oil from cod livers, Apparatus for removing. J. A. Patch. 1,678,123; July 24.
- Oil from oil-containing substances, Apparatus for the separation of. C. Drahn. 1,685,534; Sept. 25.
- Oil from oil wells, Removing. W. J. Barnhart. 1,674,815; June 26.
- Oil from shale, Apparatus for extracting. R. Crawshaw. 1,666,488; Apr. 17.
- Oil from shale, Apparatus for extracting. W. Rhoades. 1,668,820; May 8.
- Oil from water, Method of and apparatus for separating. F. Wilkes. 1,661,453; Mar. 6.
- Oil furnace. V. B. Soumitza. 1,691,941; Nov. 20.
- Oil-gas apparatus. A. J. Bassett. 1,694,910; Dec. 11.
- Oil gas, Making. C. A. Phelps. 1,669,172; May 8.
- Oil-gas producer and burner. A. W. Hallenborg. 1,673,282; June 12.
- Oil gauge. A. R. Pribil. 1,681,431; Aug. 21.
- Oil grate and mat. W. A. Wilhelm. 1,665,123; Apr. 3.
- Oil gun. C. S. Burton. Re17,165; Dec. 18.
- Oil heater. W. E. Baker. 1,683,796; Oct. 23.
- Oil heater. J. Primrose. 1,693,153; Nov. 27.
- Oil heater, Auxiliary fuel-. R. Faickney. 1,681,663; Aug. 21.
- Oil heater, Crank-case. C. M. Corlew and G. A. Blohm. 1,657,151; Jan. 24.
- Oil heater, Portable. C. M. Fitch and F. G. Moor. 1,658,161; Feb. 7.
- Oil-injecting apparatus for asphalt mixers. W. A. Smith. 1,695,722; Dec. 18.
- Oil in oil wells, Apparatus for lifting. T. Kallmeyer. 1,677,349; July 17.
- Oil in oil wells, Device for inducing a flow of. J. V. Little. 1,658,345; Feb. 7.
- Oil level, Apparatus for maintaining uniform. A. E. Grant. 1,665,026; Apr. 3.
- Oil, Lubricating. J. H. Mackle. 1,677,244; July 17.
- Oil lubricator. P. O. Brown. 1,674,155; June 19.
- Oil, Making solvent. S. Iymori. 1,675,977; July 3.
- Oil, Making thickened lubricating. R. W. Henry and E. D. Streeter. 1,691,654; Nov. 13.
- Oil mill. R. C. Hopkins. 1,690,168; Nov. 6.
- Oil-mining method and apparatus. L. Ranney. 1,667,269; Apr. 24.
- Oil or liquid-fuel charges into internal-combustion engines, Introducing. S. D. Olsen. 1,677,202; July 17.
- Oil preheater, Crude-. W. L. Gomory. 1,670,805; May 22.
- Oil, Preparation of fuel. W. S. Hughes and J. Harrop. 1,686,491; Oct. 2.
- Oil, Process and apparatus for cracking. G. Egloff. 1,682,742; Sept. 4.
- Oil, Process and apparatus for cracking. E. C. Herthel. 1,660,647; Feb. 28.
- Oil, Process and apparatus for cracking. W. R. Howard. 1,674,827; June 26.
- Oil, Process and apparatus for cracking. R. T. Pollock. 1,676,924; July 10.
- Oil, Process and apparatus for cracking mineral. J. M. Schoonmaker, jr. 1,678,126; July 24.
- Oil, Process and apparatus for distilling. H. L. Doherty. 1,662,105; Mar. 13.
- Oil, Process and apparatus for distilling mineral. A. E. Pew, jr. and H. Thomas. 1,666,301-2; Apr. 17.
- Oil, Process and apparatus for treating. D. G. Brandt. 1,681,321; Aug. 21.
- Oil, Producing thickened lubricating. R. W. Henry and E. D. Streeter. 1,691,882; Nov. 13.
- Oil-pump screen. L. V. Cram. 1,694,770; Dec. 11.
- Oil purifier. E. M. Scoville. 1,654,839; Jan. 3.
- Oil purifier. D. F. Zook. 1,680,716; Aug. 14.
- Oil receptacle, Self-draining. S. E. Nord. 1,658,251; Feb. 7.
- Oil reclaiming. A. L. Henny. 1,684,270; Sept. 11.
- Oil, Reclaiming process for used crank-case. W. H. Ellerington. 1,662,701; Mar. 13.
- Oil, Reconditioning crank-case. L. L. Odom. 1,655,660; Jan. 10.
- Oil-rectifying apparatus. P. M. Freer. 1,660,611; Feb. 28.
- Oil, Refining. J. C. Black. 1,656,997; Jan. 24.
- Oil, Refining. J. R. Neller and G. M. Vance. 1,672,621; June 5.
- Oil, Refining. C. R. Wagner. 1,669,151; May 8.
- Oil, Refining mineral. H. T. Maitland. 1,668,920; May 8.
- Oil-refining still and making the same by electric-arc welding. C. B. Langstroth. 1,655,931; Jan. 10.
- Oil-refining still and making the same by electric-arc welding. W. F. Woolard. 1,655,930; Jan. 10.
- Oil-refining still and making the same by electric welding. L. R. Smith. Re16,865; Jan. 31.
- Oil-retaining and dust-excluding ring. J. T. Schneider. 1,672,345; June 5.

- Oil saver. N. J. Jacobi. 1,694,471; Dec. 11.
 Oil saver. B. E. Parrish. 1,654,994; Jan. 3.
 Oil saver. C. Severns and J. N. Hicks. 1,683,107; Sept. 4.
 Oil saver for oil wells and packing screws therefor. J. W. Heeter. 1,695,332; Dec. 18.
 Oil-saving and line-clamping device. B. E. Parrish. 1,655,159; Jan. 3.
 Oil-separating device. R. Chilton. 1,674,191; June 19.
 Oil separator. R. C. Hopkins. 1,682,757; Sept. 4.
 Oil separator. O. H. Nance. 1,682,304; Aug. 28.
 Oil shale and limestone and the like, Production of unsintered binding means of. O. Tettens. 1,665,993; Apr. 10.
 Oil-shale-distillation apparatus. C. D. Tripp. 1,658,143; Feb. 7.
 Oil shale, Halogen treatment of. G. Egloff. 1,682,743; Sept. 4.
 Oil-soluble azo coloring matters, Production of. J. P. Penny. 1,656,233; Jan. 17.
 Oil-spray purge mechanism for water-gas apparatus. F. B. Hayes. 1,682,277; Aug. 28.
 Oil storage, Electrical protection for. W. G. Hall. 1,659,652; Feb. 21.
 Oil-storage tanks, Device for automatically creating storage reserves in. G. R. Folds. 1,660,835; Feb. 28.
 Oil-supply-controlling apparatus for liquid-fuel burners. G. H. Messer. 1,677,978; July 24.
 Oil switch. J. D. Hilliard. 1,686,570; Dec. 25.
 Oil tank. J. N. Pew, jr. 1,666,666-7; Apr. 17.
 Oil tank, Floating-deck. C. R. Gallagher. 1,674,104; June 19.
 Oil tank, Transformer. J. Kubler. 1,673,569; June 12.
 Oil tanks and the like, Cleaning device for. J. W. Force. 1,668,063; May 1.
 Oil vacuum still, Mineral-. A. E. Pew, jr. 1,669,839; May 15.
 Oil-well apparatus. G. D. Watson. 1,683,745; Sept. 11.
 Oil-well bailer. C. W. Cline. 1,669,864; May 15.
 Oil-well elevator. J. F. Moody. 1,685,713; Sept. 25.
 Oil-well packer. A. P. Machris. 1,692,181; Nov. 20.
 Oil-well-rig drive, Variable-speed. J. S. Watts. 1,659,645; Feb. 21.
 Oil-well safety head. G. J. Cormier. 1,659,244; Feb. 14.
 Oil-well swab-tripping device. W. H. Hardman. 1,654,686; Jan. 3.
 Oil wells, Apparatus for sinking. C. A. Lord. 1,666,461; Apr. 17.
 Oil wells, Blow-out device for. B. S. Minor. 1,693,039; Nov. 27.
 Oil wells, Capping device for. C. A. Rasmussen. 1,664,643; Apr. 3.
 Oil wells, Steamer for. B. W. Seymour, sr. 1,661,971; Mar. 6.
 Oil wells, Treating. J. B. Garner and G. B. Leyden. 1,678,592; July 24.
 Oiler. E. H. Barker. 1,688,372; Oct. 23.
 Oiler. M. E. Benesh. 1,678,206; July 24.
 Oiler, Air-line. C. C. Hansen. 1,658,708; Jan. 17.
 Oiler, Air-line. C. C. Hansen. 1,658,984; Feb. 14.
 Oiler, Air-line. C. C. Hansen. 1,665,497; Apr. 10.
 Oiler, Airline. G. W. Hulshizer. 1,689,780; Oct. 30.
 Oiler, Air-line. G. Ihmark. 1,669,375; May 8.
 Oiler, Air-line. G. Ihmark. 1,696,485; Dec. 25.
 Oiler and ventilation, Rotary. C. Bethel and F. W. McCloskey. 1,684,168; Sept. 11.
 Oiler, Automatic. C. F. Goforth. 1,663,981; Mar. 27.
 Oiler, Automatic pressure-actuated gravity. W. A. Laughery. 1,693,087; Nov. 27.
 Oiler, Carding-machine-apron. F. H. Thomasson. 1,668,433; May 1.
 Oiler for high-speed routers. V. Royle. 1,671,783; May 29.
 Oiler, Rotary. C. Bethel. 1,684,341; Sept. 11.
 Oiler, Rotary. G. M. Eaton. 1,684,175; Sept. 11.
 Oiler, Telescopic. E. M. Scoville. 1,696,736; Dec. 25.
 Oiler, Wheel-dangle. P. H. Hamilton. 1,680,290; Aug. 14.
 Oiling appliance for thread or yarn. H. F. Stuhr. 1,662,086; Mar. 13.
 Oiling appliance, Thread-. H. F. Stuhr. 1,670,696; May 22.
 Oiling device for drive chains. N. C. Bremer. 1,682,829; Sept. 4.
 Oiling device, Hog-. A. J. Koerner. 1,677,560; July 17.
 Oiling device, Railway journal-. C. Stern and J. J. Carlock. 1,689,411; Oct. 30.
 Oiling indicator. J. M. Edwards. 1,693,812; Dec. 4.
 Oiling means, Worm-. A. B. Clisson. 1,667,285; Apr. 24.
 Oiling mechanism for air-actuated devices. C. A. Clafin. 1,661,561; Mar. 6.
 Oiling mechanism for band-wheel power. A. H. Loucks. 1,687,622; Oct. 16.
 Oiling or painting exposed railroad structures, Machine for. W. D. Huff. 1,658,086; Feb. 7.
 Oiling pad. H. D. Hinds. 1,658,845; Feb. 14.
 Oiling system for internal-combustion engines. A. F. Masury. 1,674,685; June 26.
 Oils and fats, Purifying. W. Gensecke. 1,685,195; Sept. 25.
 Oils and other liquids, Refining. O. Werner. 1,669,182; May 8.
 Oils, Apparatus for and process of distilling. C. B. Buerger. 1,666,042; Apr. 10.
 Oils, Apparatus for converting hydrocarbon. O. C. Brewster. 1,681,658; Aug. 21.
 Oils, Apparatus for sulphonating. A. Horwitz. 1,671,586; May 29.
 Oils, Apparatus for the conversion of hydrocarbon. E. T. Hesse and W. Leigemann. 1,658,985; Feb. 14.
 Oils, Apparatus for treating. G. D. Sims. 1,658,420; Feb. 7.
 Oils, Apparatus for treating hydrocarbon. R. T. Pollock. 1,670,122; May 15.
 Oils at high temperature, Decolorizing. P. W. Prutzman. 1,667,984; May 1.
 Oils, Continuous process for the refining of mineral. E. T. Hesse. 1,661,826; Mar. 6.
 Oils, Converting hydrocarbon. O. C. Brewster. 1,694,092; Dec. 4.
 Oils, Converting petroleum. A. D. David. 1,688,855; Oct. 23.
 Oils, Cracking. J. C. Clancy. 1,658,116; Feb. 7.
 Oils, Cracking. C. L. Parmelee and E. W. Isom. 1,675,575; July 3.
 Oils, Cracking. G. L. Prichard. 1,676,207; July 3.
 Oils, Cracking. F. Puening. 1,664,263; Mar. 27.
 Oils, Cracking hydrocarbon. E. C. Herthel and T. D. Tift. 1,677,773-6; July 17.
 Oils, Cracking mineral crude. H. Blumenberg, jr. 1,673,491; June 12.
 Oils, Deodorizing and filtering. V. C. Benjamin. 1,655,175; Jan. 3.
 Oils, Device for testing lubricating. A. A. Schaefer. 1,677,690; July 17.
 Oils, Distilling. A. E. Harnsberger. 1,666,597; Apr. 17.
 Oils, Distilling emulsified. G. Egloff and H. P. Benner. 1,674,819; June 26.
 Oils, Distilling hydrocarbon. W. P. Deppé and L. L. Summers. 1,666,051; Apr. 10.
 Oils, fats, and waxes, Stabilization of. J. Y. Huber, jr. 1,680,047; Aug. 7.
 Oils, Fractionating. C. M. Alexander. 1,667,340; Apr. 24.
 Oils from hydrocarbon materials, Obtaining nitrogenous-base. H. K. Ihrig. 1,671,721; May 29.
 Oils, Heat conversion of hydrocarbon. F. A. Howard and N. E. Loomis. 1,670,037; May 15.
 Oils in tars, tar oils, and pitches from acid constituents, Separating the neutral. H. Wittek. 1,674,710; June 26.
 Oils, Manufacture of lubricating. F. W. Hall. 1,668,813; May 1.
 Oils, Method of and apparatus for separating. J. K. Pierce. 1,660,235; Feb. 21.
 Oils, Obtaining certain remedial principles of. T. F. Zucker. 1,678,454; July 24.
 Oils, Oxidation of hydrocarbon. E. E. Reid. 1,663,523; Mar. 20.
 Oils, Process and apparatus for fractionating hydrocarbon. J. C. Black. 1,692,072; Nov. 20.
 Oils, Process and apparatus for treating hydrocarbon. H. W. Camp. 1,657,524; Jan. 31.
 Oils, Purifying continuously-circulating machinery-lubricating. R. G. Walker. 1,658,362; Feb. 7.
 Oils, Purifying mineral. M. L. Chappell, G. J. Ziser, and E. L. Moyer. 1,672,304; June 5.
 Oils, Reclaiming used lubricating and insulating. A. F. Meston. 1,661,731; Mar. 6.
 Oils, Refining. L. Burgess. 1,681,895; Aug. 21.
 Oils, Refining. E. A. Rudigier. 1,656,710; Jan. 17.
 Oils, Refining. A. Schwarz. 1,656,990; Jan. 24.
 Oils, Refining. S. Tijmstra. 1,684,159; Sept. 11.
 Oils, Refining. C. R. Wagner. 1,669,180; May 8.
 Oils, Refining hydrocarbon. H. J. Halle. 1,681,638; Aug. 21.
 Oils, Refining hydrocarbon. P. McMichael. 1,669,944; May 15.
 Oils, Refining petroleum. P. McMichael. 1,658,171; Feb. 7.
 Oils, Treating. A. F. L. Bell. 1,655,890; Jan. 10.
 Oils, Treating. R. J. Dearborn. 1,658,077; Feb. 7.
 Oils, Treating. F. A. Howard. 1,676,826; July 10.
 Oils, Treating. H. C. Kirk. 1,676,250; July 3.
 Oils, Treating emulsified. C. C. Monger. 1,660,230; Feb. 21.
 Oils, Treating hydrocarbon. W. M. Cross. 1,667,833; May 1.
 Oils, Treating hydrocarbon. W. S. Hadaway, jr. 1,678,728; July 31.
 Oils, Treating hydrocarbon. E. R. Wolcott. 1,654,771; Jan. 3.
 Oils with catalysts, Distillation of. G. L. Prichard and H. Henderson. 1,672,339; June 5.
 Oils with doctor solutions, Refining petroleum. R. L. Hallett. 1,678,984; July 31.
 Oils with liquid sulphur dioxide, Treating. W. Hess. 1,674,676; June 26.
 Ointments, Base for. C. Schroeder and A. Kell. 1,668,382; May 1.
 Oleomargarine, Manufacture of. H. Leroudier. 1,663,913; Mar. 27.
 Ollas, Drinking-water-serving. E. J. Tobin. 1,692,062; Nov. 20.
 1-alkoxymethyl-3,7-dimethylxanthines. K. Schranz and C. Lutter. 1,679,053; July 31.
 1-aminonaphthalene-8-carboxylic acid, Manufacturing. B. Herz and F. Schulte. 1,668,148; May 1.
 One-line brake. I. Trofmoft. 1,675,962; July 3.

- 1,3-diamino-2-hydroxy anthraquinone and making the same. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,659,360; Feb. 14.
- One-way brake. W. I. Wheeler. 1,656,577; Jan. 17.
- Open-hearth furnace. G. L. Danforth, jr. 1,665,086; Apr. 3.
- Open-hearth furnace. A. T. Keller. 1,682,378; Aug. 28.
- Open-hearth furnace. F. R. McGee. 1,691,982; Nov. 20.
- Open-hearth furnace. F. B. McKune. Re17,071; Aug. 28.
- Open-hearth furnace, Regenerative. S. J. Cort. 1,685,656; Sept. 11.
- Open-hearth furnace, Regenerative. S. J. Cort, T. Burns, R. S. A. Dougherty, and C. E. Lehr. 1,671,100; May 29.
- Open-hearth furnace, Regenerative. S. J. Cort, T. Burns, R. S. A. Dougherty, and C. E. Lehr. 1,680,365; Aug. 14.
- Open-top drier. C. E. Fuller. 1,685,047; Sept. 18.
- Opener. Can. S. Davis and A. La Fon. 1,678,244; July 24.
- Opener of the nipper type having an adjusting head. Can. A. C. Schaefer. 1,662,172; Mar. 13.
- Opening sheet packs, Method and apparatus for. C. F. Peck. 1,691,250; Nov. 13.
- Operating connection. W. J. Andres. 1,686,360; Oct. 2.
- Operating device. E. Ek. 1,664,919; Apr. 3.
- Operating electric switches, Mechanism for. L. W. Bond. 1,685,665; Sept. 25.
- Operating means for speed indicators or recorders for locomotives. V. Z. Caracristi. 1,696,470; Dec. 25.
- Operating mechanical rectifiers for alternating current, Arrangement or system for. R. Rüdenberg. 1,690,553; Nov. 6.
- Operating mechanism, Cut-off. S. M. Langston and K. Sieg. 1,660,844; Feb. 28.
- Operating mechanism for elevating liquids, Automatically. R. D. Lentz. 1,694,421; Dec. 11.
- Operating table. A. T. Minty. 1,661,491; Mar. 6.
- Operating table. E. A. Simons. 1,656,835; Jan. 17.
- Ophthalmic mounting. W. H. Boutele. 1,659,189; Feb. 14.
- Ophthalmic mounting. G. H. Day. 1,665,911; Apr. 10.
- Ophthalmic mounting. L. L. Gagnon. 1,671,896; May 29.
- Ophthalmic mounting. H. Higham. Des. 75,624; June 26.
- Ophthalmic mounting. H. A. Sangren. 1,659,165; Feb. 14.
- Ophthalmic mounting. E. L. Schumacher. 1,661,271; Mar. 6.
- Ophthalmic mounting. F. A. Stevens. 1,664,095; Mar. 27.
- Ophthalmic mounting. F. A. Stevens. 1,687,954; Oct. 16.
- Ophthalmic mounting. J. A. Sweeney. 1,664,577; Apr. 3.
- Ophthalmic mounting. F. A. Ubel. Des. 77,193; Dec. 11.
- Ophthalmic mounting. R. H. Uhlemann. 1,656,402; Jan. 17.
- Ophthalmic mounting. J. W. Welsh. 1,682,650; Aug. 28.
- Ophthalmic mounting. J. W. Welsh. 1,690,605; Nov. 6.
- Ophthalmic mounting. J. W. Welsh. 1,691,596; Nov. 13.
- Ophthalmic mounting and making the same. F. A. Stevens. 1,664,093; Mar. 27.
- Ophthalmic mounting and method. F. A. Stevens and J. W. Welsh. 1,668,091; May 1.
- Ophthalmic mounting, Temple for. J. N. Nelson. Des. 75,131; May 8.
- Ophthalmic mountings, Attachment for. L. Strauss. 1,679,233; July 31.
- Ophthalmic mountings, Combined temple and end piece for. E. L. Schumacher. Des. 75,450; June 5.
- Ophthalmic mountings, Combined temple bar and end piece for. G. E. Nerney. Des. 75,361; July 24.
- Ophthalmic mountings, Making. J. W. Welsh. 1,687,960; Oct. 16.
- Ophthalmic temple. W. H. Boutele. 1,664,966; Apr. 3.
- Ophthalmoscope. M. Poser. 1,678,681; July 31.
- Optical apparatus for examining cavities and tubes in the body. G. Locek. 1,675,364; July 3.
- Optical device. A. F. Ouellet. 1,681,874; Aug. 21.
- Optical effects from pictures, Apparatus for producing. J. P. McDonnell. 1,681,776; Aug. 21.
- Optical glass. R. J. Montgomery. 1,681,704; Aug. 21.
- Optical instrument. F. H. Carsow. 1,690,270; Nov. 6.
- Optical instrument. H. Clement and B. M. Barron. 1,666,406; Apr. 17.
- Optical instrument. J. W. Keuffel. 1,682,572; Aug. 28.
- Optical instrument. C. C. Sabel. 1,662,339; Mar. 13.
- Optical instrument. A. P. H. Trivelli. 1,690,602; Nov. 6.
- Optical mounting. F. R. Bishop. Des. 75,999; Aug. 14.
- Optical mounting. E. Pappert. Des. 77,257; Dec. 18.
- Optical projection. R. S. Blair. 1,657,878; Jan. 31.
- Optical projection apparatus. A. Graves. 1,655,461; Jan. 10.
- Optical projection apparatus. P. Hatschek. 1,655,185; Jan. 3.
- Optical projection apparatus, Automatic focusing. E. K. Hunter. 1,677,778; July 17.
- Optical projection apparatus for advertisement purposes. A. T. Hurter. 1,673,512; June 12.
- Optical signal. H. Rosenthal. 1,656,680; Jan. 17.
- Optical speedometer. G. Ramsey. 1,665,278; Apr. 10.
- Optical system. M. Astafiev. 1,662,693; Mar. 13.
- Optical system. R. Ruhnau. 1,685,646; Sept. 25.
- Optical system. W. L. Wright and S. M. Wright. 1,688,606; Oct. 23.
- Optical system for color processes. C. W. Frederick. 1,685,600; Sept. 25.
- Optometer and eye-testing apparatus, Dynamic. B. J. Campbell. 1,680,663; Aug. 14.
- Orange-juice mill. J. R. O'Donnell and F. J. Corradini. 1,673,156; June 12.
- Orchard heater. W. S. Button. 1,696,668; Dec. 25.
- Orchard heater. B. O. Jessen. 1,679,359; Aug. 7.
- Orchard heater. J. F. Mahlstet. 1,670,544; May 22.
- Orchard heater, Smokeless. W. C. Scheu. 1,655,569; Jan. 10.
- Orchestral device, Automatically-operated. W. R. Corbett. 1,688,450; Oct. 23.
- Order blank. W. L. Caldwell. 1,667,622; Apr. 24.
- Ordinance, Breech-loading. A. T. Dawson and G. T. Buckham. 1,695,841; Dec. 18.
- Ordinance breech mechanism. A. T. Dawson and G. T. Buckham. 1,695,728; Dec. 18.
- Ordinance control. A. L. E. Ellis and C. W. Greene. 1,687,551; Oct. 16.
- Ordinance, Means for use in the laying of. A. T. Dawson, G. E. Watt, and A. L. Perham. 1,695,483; Dec. 18.
- Ordinance more particularly adapted for firing against aircraft, Piece of. N. E. Methlin. 1,658,005; Jan. 31.
- Ordinance more particularly adapted for firing against aircraft, Piece of. N. E. Methlin. 1,672,949; June 12.
- Ordinance, Recoil and run-out apparatus for. A. T. Dawson and G. T. Buckham. 1,681,325; Aug. 21.
- Ordinance, Recoil and run-out apparatus for. A. T. Dawson, G. T. Buckham, and J. F. White. 1,690,281; Nov. 6.
- Ore-concentrating apparatus. H. E. Petro. 1,675,955; July 3.
- Ore-concentrating device. M. M. Newton. 1,685,644; Sept. 25.
- Ore concentration. B. R. Tunison. 1,677,416; July 17.
- Ore, Electrical searching of. M. Vos and K. Sundberg. 1,660,774; Feb. 28.
- Ore flotation. G. G. Griswold, jr. and G. E. Sheridan. 1,668,202; May 1.
- Ore-grading machine. V. Sanchez. 1,685,828; Oct. 2.
- Ore, Reducing the cadmium content of zinc. O. Gerlach and N. Ostman. 1,691,714; Nov. 13.
- Ore-roasting apparatus. D. W. Bowers. 1,662,811; Mar. 20.
- Ore separator. T. W. Ainlay. 1,658,874; Feb. 14.
- Ore separator. W. C. Eggert. 1,673,188; June 12.
- Ore separator. E. H. Stepp. 1,685,466; Sept. 25.
- Ore separator, Magnetic. W. L. McAdams. 1,686,917; Oct. 9.
- Ores and compounds, Roasting vanadiferous. H. T. Koenig. 1,654,820; Jan. 3.
- Ores and minerals by flotation, Concentrating. W. A. Douglass. 1,659,396; Feb. 14.
- Ores and minerals by flotation, Concentrating. W. A. Douglass. 1,674,166; June 19.
- Ores and other minerals and materials, Apparatus for concentrating. J. A. Chambers. 1,656,042; Jan. 10.
- Ores, Apparatus for and method of treating copper. G. W. Prince and J. H. English. 1,660,817; Feb. 28.
- Ores, Apparatus for the treatment of. M. E. Branthaver. 1,681,695; Aug. 21.
- Ores, Concentrating mixed sulfide. H. S. Martin. 1,678,259; July 24.
- Ores, Concentration of. E. H. Snyder and W. D. Green. 1,691,810; Nov. 13.
- Ores, Concentration of oxidized. T. S. Carnahan. 1,671,698; May 29.
- Ores containing a refractory oxide, Treating. T. R. Haglund. Re17,001; June 19.
- Ores containing precious metals, Process and apparatus for cyaniding. S. B. McCluskey. 1,658,249; Feb. 7.
- Ores containing precious metals, Treating refractory. G. W. B. Evans. 1,664,067; Mar. 27.
- Ores, Direct reduction of iron. T. Levov. 1,689,734; Oct. 30.
- Ores, Flotation of. A. H. Ney. 1,683,724; Sept. 11.
- Ores, Froth-flotation concentration of. C. H. Keller. 1,671,590; May 29.
- Ores, Froth-flotation concentration of. C. P. Lewis. 1,668,917; May 8.
- Ores, Froth-flotation concentration of. R. B. Martin. 1,686,529; Oct. 9.
- Ores, Froth-flotation concentration of. F. Swinney. 1,688,998; Oct. 23.
- Ores in an electromagnetic way, Method and device for detecting and locating. K. Sundberg. 1,678,489; July 24.
- Ores, Liquid treatment of roasted. M. E. Branthaver. 1,681,696; Aug. 21.
- Ores or pulverulent ores, Apparatus for sintering fine. A. H. Holmberg. 1,656,115; Jan. 10.
- Ores, Roasting and reducing. B. Christiansen. 1,680,861; Aug. 14.
- Ores, Sintering zinc. H. J. Stehli. 1,661,813; Mar. 6.
- Ores, Treating. D. C. Hare. 1,657,622; Jan. 31.
- Ores, Treating. W. E. Stokes. 1,674,806; June 26.
- Ores, Treating aluminum-bearing. R. W. Hyde. 1,655,608; Jan. 10.
- Organ. J. H. Hammond, jr. 1,690,577; Nov. 6.
- Organ. B. Mauro. 1,666,032; Apr. 10.
- Organ. S. Michnievitch. 1,693,933; Dec. 4.
- Organ. C. F. Winder. 1,654,626; Jan. 3.
- Organ action. M. Maag. 1,681,547; Aug. 21.
- Organ control. J. H. Hammond, jr. 1,693,752; Dec. 4.
- Organ, Folding. P. P. Bilhorn. 1,663,238; Mar. 20.
- Organ for producing a piano effect, Pipe. J. H. Hammond, jr. 1,664,554; Apr. 3.

- Organ manuals, Sliding support for. J. H. Hammond, jr. 1,670,353; May 22.
- Organ music, Automatic control of. J. H. Hammond, jr. 1,680,041; Aug. 7.
- Organ, Pipe. L. Buswell and J. H. Hammond, jr. 1,680,036; Aug. 7.
- Organ, Pipe. J. H. Hammond, jr. 1,680,039; Aug. 7.
- Organ-pipe construction. G. Cesar. 1,676,942; July 10.
- Organ, Small-size barrel. F. Miller. 1,672,420; June 5.
- Organ stop action. J. T. Austin. 1,678,546; July 24.
- Organ, Valve action for pipe. H. F. Waters. 1,665,868; Apr. 10.
- Organ-valve-action unit. G. E. La Marche. 1,669,254; May 8.
- Organs and pianos, Chromatic scale and solo-note-selecting device for. J. W. Klein. 1,665,593; Apr. 10.
- Organs, Combination stop action for. H. M. Smith. 1,681,373; Aug. 21.
- Organs, Combination stop action for. E. Verlinden. 1,664,053; Mar. 27.
- Organs, Electro-pneumatic combination stop action for. G. H. Chapman. 1,665,254; Apr. 10.
- Organs, Pedal control for pipe. J. H. Hammond, jr. 1,664,552; Apr. 3.
- Organs, Pneumatic action for pipe. F. Lamontagne. 1,692,507; Nov. 20.
- Organs, Stop action for. W. E. Haskell. 1,659,914; Feb. 21.
- Organic arsenic compounds, Preparation of. A. Binz and C. R  th. 1,667,237; Apr. 24.
- Organic compound and making the same, Water-soluble metallic. M. S. Kharasch. Re16,921; Apr. 3.
- Organic compound of antimony and producing it, Water-soluble. M. S. Kharasch. 1,684,920; Sept. 18.
- Organic compounds containing oxygen, Purifying. O. Schmidt, K. Seydel, and A. Feller. 1,684,640; Sept. 18.
- Organic compounds, Production of unsaturated. E. Freund. 1,672,378; June 5.
- Organic compounds, Purification of. D. B. Bradner. 1,696,539; Dec. 25.
- Organic compounds, Synthesis of. H. H. Storch. 1,681,750; Aug. 21.
- Orifice meter. J. C. Diehl. 1,681,174; Aug. 21.
- Ornament and the like and manufacture thereof, Christmas-tree. W. H. Schneider. 1,678,358; July 24.
- Ornament and traffic signal, Combined radiator-cap. R. Fisher. Des. 75,680; July 3.
- Ornament, Automobile. G. Levien. 1,671,770; May 29.
- Ornament, Automobile radiator. C. F. Bennett. Des. 75,822; July 24.
- Ornament, Automobile radiator-cap. S. Faith and S. Klasstorner. Des. 75,228; May 22.
- Ornament, Christmas-tree. P. Boehland. Des. 75,206; May 22.
- Ornament, Christmas-tree. P. Boehland. 1,690,397; Nov. 6.
- Ornament, Christmas-tree. E. B. Wilson. 1,695,307; Dec. 18.
- Ornament, Decorative. R. B. Kingman. 1,666,099; Apr. 17.
- Ornament, Ear. R. Spear. 1,684,783; Sept. 18.
- Ornament for automobile radiator cap or similar article. A. A. Cameron. Des. 74,353; Feb. 7.
- Ornament for automobile radiator cap or similar article. O. C. Ritz Woller. Des. 76,635; Oct. 16.
- Ornament for automobile radiators. J. H. Smith. Des. 74,580; Feb. 28.
- Ornament for automobile radiators or the like. M. Witt. Des. 75,669; June 26.
- Ornament for drapery poles and rods, Center. G. Madvig. Des. 75,855-7; July 24.
- Ornament for drapery poles and rods, Center ornament for. G. Madvig. Des. 75,440; June 5.
- Ornament for drapery poles and rods, End. G. Madvig. Des. 76,144-6; Aug. 21.
- Ornament for drapery poles or rods, Center. G. Madvig. Des. 72,026-7; Aug. 14.
- Ornament for radiators of motor cars. H. S. Hewitt. Des. 77,092; Dec. 4.
- Ornament or similar article, Automobile radiator. A. Pochelon. Des. 75,186; May 15.
- Ornament or similar article, Radiator cap. J. W. Anderson. Des. 75,144; May 15.
- Ornament or the like, Radiator. J. and J. Guerra and N. Masone. Des. 74,565; Feb. 28.
- Ornament, Radiator. E. T. Greeley. Des. 77,087-8; Dec. 4.
- Ornament, Radiator. F. C. Ruppel. Des. 76,823; Nov. 6.
- Ornament, Radiator-cap. S. Faith and S. Klasstorner. Des. 74,558; Feb. 28.
- Ornament, Radiator-cap. E. W. Faucher and H. W. Dills. Des. 75,678; July 3.
- Ornament, Radiator-cap. F. Rivanov. Des. 76,893; Nov. 13.
- Ornament, Radiator-cap. F. Rivanov. Des. 77,121-2; Dec. 4.
- Ornament setting, Detachable. J. E. Fitzgerald. 1,689,124; Oct. 23.
- Ornamental background on stone, Apparatus for producing. E. A. Chase. 1,664,159; Mar. 27.
- Ornamental inlaid work. O. S. Marckworth. 1,687,578; Oct. 16.
- Ornamental light. L. W. Mammen. 1,684,922; Sept. 18.
- Ornamental mesh fabric, Producing. C. A. Whiting. 1,678,966; July 31.
- Ornamental object. E. B. Wilson. 1,665,618; Apr. 10.
- Ornamental surface and forming the same. R. J. Greene. 1,665,354; Apr. 10.
- Ornamentation for wash dresses. H. L. Ray. 1,686,983; Oct. 9.
- Ornamented article and method of making the same. G. R. Houghtaling. 1,666,138; Apr. 17.
- Ornamenting device. L. Weiner. 1,660,460; Feb. 28.
- Ornamenting floor coverings, Continuous process of. C. O. Karpf. 1,688,239; Oct. 16.
- Ornamenting flower pots. F. W. Young. 1,689,418; Oct. 30.
- Ornamenting sheet material. R. Harvey and H. V. Day. 1,688,924; Oct. 23.
- Ornamenting textiles. L. Neethling. 1,662,161; Mar. 13.
- Ornamenting velvet and the like. A. Nevis. 1,654,995; Jan. 3.
- Ornaments to shoes, Removably attaching. J. G. Samuels. 1,673,025; June 12.
- Ortho rotor plane. J. V. Matteson, jr. 1,665,171; Apr. 3.
- Orthopedic apparatus. M. J. Schrag. 1,660,721; Feb. 28.
- Orthopedic last-fitting apparatus. C. Oliver. 1,682,579; Aug. 28.
- Oscillating joint. H. D. Geyer. 1,693,981; Dec. 4.
- Oscillating motor. J. W. Hobbs. 1,692,409; Nov. 20.
- Oscillating motor, Fluid-pressure. B. J. Nelson. 1,672,227; June 5.
- Oscillating signal. R. R. Thompson. 1,667,174; Apr. 24.
- Oscillation generator. W. H. Burtis. 1,692,074; Nov. 20.
- Oscillation generator. F. X. Rettenmeyer. 1,678,199; July 24.
- Oscillation generator. C. A. Sprague. 1,654,903; Jan. 3.
- Oscillation system for medical apparatus, High-frequency. A. Gebbert. 1,682,121; Aug. 28.
- Oscillations, Arrangement for the generation of. K. Heegner. 1,656,195; Jan. 17.
- Oscillations for use with suspension leaf springs and the like, Damping. F. L. Broussouse. 1,683,522; Sept. 4.
- Oscillator. J. C. Kane. 1,690,413; Nov. 6.
- Oscillator, Piezo-electric crystal-controlled. L. A. Gebhard. 1,683,130; Sept. 4.
- Oscillator spring. L. F. Curtis. 1,690,569; Nov. 6.
- Oscillator system, Piezo-electrical. A. Hund. 1,688,713; Oct. 23.
- Oscillatory motion, Device for producing. J. Maly. 1,671,301; May 29.
- Oscillograph. J. W. Legg. 1,672,894; June 12.
- Oscillograph. R. R  denberg. 1,695,719; Dec. 18.
- Oscillograph. H. M. Williamson. 1,657,292; Jan. 24.
- Otoscope. J. G. Smith. 1,686,041; Oct. 2.
- Outboard motor. O. Evinrude. 1,686,803; Oct. 9.
- Outboard motor. H. J. Hillborn. 1,685,814; Oct. 2.
- Outboard motor. F. T. Irgens. 1,683,893; Sept. 11.
- Outlet and gutter construction for greenhouses, Combination. S. H. Hart. 1,696,159; Dec. 18.
- Outlet box. C. A. Johnson. 1,694,707; Dec. 11.
- Outlet box. H. M. Stieglitz. 1,676,298; July 10.
- Outlet-box adapter, Fixture. D. N. Thompson. 1,667,961; May 1.
- Outlet-box construction. G. C. Thomas, jr. 1,683,742; Sept. 11.
- Outlet-box hanger. C. E. Bowers. 1,667,025; Apr. 24.
- Outlet-box-supporting means. J. Morgenstern. 1,667,813; May 1.
- Outlet boxes and the like, Device for application to the openings of. R. D. Thompson. 1,665,484; Apr. 10.
- Outlet boxes and the like, Support for. J. Kozelka. 1,671,767; May 29.
- Outlet, Greenhouse combination. S. H. Hart. 1,696,160; Dec. 18.
- Outlet or junction box. H. G. Knoderer. 1,672,683; June 5.
- Outsoles for boots and shoes, Preparing leather. E. I. La Chapelle. 1,669,987; May 15.
- Oval jar. C. F. Onthank. Des. 74,894; Apr. 10.
- Oven. E. Fernandez. 1,694,211; Dec. 4.
- Oven. J. F. Firestone. 1,680,456; Aug. 14.
- Oven. C. A. Herbst. 1,673,912; June 19.
- Oven. L. T. Wilcox. 1,668,749; May 8.
- Oven. R. W. and H. R. Williams and I. Elliott. 1,664,443; Apr. 3.
- Oven and broiler rack handling device. W. Parke. 1,684,595; Sept. 18.
- Oven and controlling the heating thereof, Baker's. C. B. Comstock. 1,663,118; Mar. 20.
- Oven and operating same, By-product coke. J. V. Borland. 1,658,796; Feb. 14.
- Oven, Automatic baking. F. F. Oviedo. 1,692,515; Nov. 20.
- Oven, Bakehouse. C. Mairich. 1,675,943; July 3.
- Oven, Baker's. C. B. Comstock. 1,663,115-17; Mar. 20.
- Oven, Baker's. B. Izzo. 1,662,747; Mar. 13.
- Oven, Baking. G. R. Baker and C. Dumbleton. 1,663,746; Mar. 27.
- Oven, Baking. M. Johnson. 1,665,551; Apr. 10.
- Oven, Baking. J. E. Pointon. 1,678,076; July 24.
- Oven, Baking. H. Roser. 1,679,989; Aug. 7.
- Oven, Coke. T. G. Kus. 1,676,736; July 10.
- Oven, Coke. J. Stephenson. 1,656,841; Jan. 17.
- Oven, Coking retort. J. Becker. 1,675,687; July 3.
- Oven, Coking retort. J. Becker. 1,678,801-2; July 31.
- Oven, Coking retort. F. A. Bredel. 1,657,657; Jan. 31.
- Oven, Coking retort. H. Koppers. 1,664,632; Apr. 3.
- Oven, Coking retort. N. G. Parry. 1,664,633; Apr. 3.

- Oven, Coking retort. J. Van Ackeren. 1,660,658; Feb. 28.
- Oven, Coking retort. J. Van Ackeren. 1,664,649; Apr. 3.
- Oven, Coking retort. J. Van Ackeren. 1,678,803; July 31.
- Oven, Constant-temperature. W. H. Stannard. 1,676,876; July 10.
- Oven construction. T. E. Taylor. 1,693,625; Dec. 4.
- Oven, Cooking. H. H. Koppers. 1,669,168; May 8.
- Oven, Cyanimide. G. B. Cox. 1,684,758; Sept. 18.
- Oven, Deck. B. C. De Meulle. 1,670,679; May 22.
- Oven, Electric. S. L. Kelly. 1,656,709; Jan. 17.
- Oven, Electric. F. H. McCormick. 1,672,724; June 5.
- Oven, Electric bake. K. Ehrigott. 1,657,205; Jan. 24.
- Oven, Enameling. C. L. Heisler. 1,688,710; Oct. 23.
- Oven for baking beans and the like. F. O. Libby. 1,661,766; Mar. 6.
- Oven for baking, drying, and other heating operations. E. M. Crossland. 1,657,959; Jan. 31.
- Oven for burning refractories and the like. H. Koppers. 1,674,985; June 26.
- Oven for cooking stoves. W. Jordan. 1,681,668; Aug. 21.
- Oven heater, Electric. H. O. Swoboda. 1,658,615; Feb. 7.
- Oven heating and the like, Coke-. H. Koppers. 1,671,194; May 29.
- Oven, Portable. R. P. Fabbri. 1,659,091; Feb. 14.
- Oven rack. F. M. Delaih. 1,692,630; Nov. 20.
- Oven, Regenerative channel. H. Koppers. 1,687,774; Oct. 16.
- Oven, Regenerative coke. G. O. Wolters. 1,690,805; Nov. 6.
- Oven, Retort. H. Koppers. 1,671,195; May 29.
- Oven, Revolving-ring. L. Honigmann and F. Bartling. 1,687,563; Oct. 16.
- Oven, Vacuum. P. E. Klopsteg. 1,683,359; Sept. 4.
- Oven, Vertical-chamber coke. C. Otto. 1,695,204; Dec. 11.
- Oven wall, Sectional. C. L. Gehrlich. 1,681,333; Aug. 21.
- Oven with revolving hearth, Ring. L. Honigmann and F. Bartling. 1,666,656; Apr. 17.
- Ovens, Appliance for supplying dry steam to cooking. C. de V. Grant. 1,657,355; Jan. 24.
- Ovens, Ash-removing grate for. M. Landeck. 1,658,563; Feb. 7.
- Ovens, Combined stationary and rotary shelf for stove. C. A. Kummermehr and A. J. Tribut. 1,660,200; Feb. 21.
- Overalls. I. L. Edwards. 1,664,774; Apr. 3.
- Overalls. A. Johnson. 1,664,512; Apr. 3.
- Overalls. F. O. Mahan. Re17,047; July 24.
- Overalls. L. A. Rosenthal. 1,690,313; Nov. 6.
- Overalls. M. E. St. Amour. 1,677,663; July 17.
- Overalls. Bib construction for. C. D. Williamson. 1,683,511; Sept. 4.
- Overalls, Union. C. S. and M. N. Kohler. 1,686,411; Oct. 2.
- Overcast, Portable. F. A. Sweet. 1,664,646; Apr. 3.
- Overcoat or the like. W. P. Lake. 1,675,113; June 26.
- Overflow alarm. O. La Vallée and O. Lemelin. 1,676,565; July 10.
- Overhafter. C. Tweedie. 1,684,812; Sept. 18.
- Overhead haulage carrier. E. Milotte. 1,693,523; Nov. 27.
- Overload device, Safety. I. E. McCabe. 1,657,681; Jan. 31.
- Overshoe. E. S. Bott and A. S. Funk. Des. 76,218; Sept. 4.
- Overshoe. C. Kenyon, jr. 1,664,115; Mar. 27.
- Overshoe. K. L. Valentine and G. Ramsey. Des. 74,583; Feb. 28.
- Overshoe. K. L. Valentine and G. Ramsey. Des. 76,168; Aug. 21.
- Overshoe. H. Westling. Des. 77,278; Dec. 18.
- Overshoe. H. Westling. 1,691,894; Nov. 13.
- Overshoe and making same. F. T. Roberts and A. J. Eldon. 1,691,253; Nov. 13.
- Overshoe, Buckle. A. D. Winn. 1,691,219; Nov. 13.
- Overshoe, Furrower. J. V. Dyr. 1,693,226; Nov. 27.
- Overshoe, Heelless. D. H. Finberg. 1,655,096; Jan. 3.
- Overshoe or similar article. L. G. Milkes. Des. 75,928; July 31.
- Overshot. D. H. Rowland. 1,663,614; Mar. 27.
- Over-the-bed table. G. A. Gallowitz. 1,689,626; Oct. 30.
- Overturning skip apparatus. A. Allen. 1,687,278; Oct. 9.
- Overwind preventing means for spring-operated devices. C. A. Carlson. 1,678,936; June 19.
- Oxalates, Recovering. G. H. Buchanan and G. Barsky. 1,687,480; Oct. 9.
- Oxidation, Controlling rate of. H. R. Carveth. 1,685,520; Sept. 25.
- Oxidation of alcohol. S. Goldschmidt. 1,666,447; Apr. 17.
- Oxidation of alkyl-aryl-substituted dithiocarbamic acids to the corresponding disulphides. W. Flemming. 1,662,664; Mar. 13.
- Oxidation of anthracene, Catalytic. A. O. Jaeger. 1,685,635; Sept. 25.
- Oxidation of hydrocarbons. J. R. Scanlin. 1,668,871; May 8.
- Oxidation of organic compounds, Catalytic. A. O. Jaeger. 1,694,122; Dec. 4.
- Oxidation of sulphur dioxide, Catalytic. A. O. Jaeger and J. A. Bertsch. 1,695,285; Dec. 18.
- Oxidation products from gaseous hydrocarbons, Producing. J. H. James. 1,675,029; June 26.
- Oxidation products, Purifying partial. J. H. James. 1,681,238; Aug. 21.
- Oxidation products, Treating partial. J. H. James. 1,681,185; Aug. 21.
- Oxide, Electrically-conductive titanium. S. J. Lubowsky. 1,675,117; June 26.
- Oxide from titanite ores, Preparing titanite. J. D'Ans and F. Sommers. 1,655,940; Jan. 10.
- Oxide gels, Making aluminum-. W. A. Patrick. 1,682,241; Aug. 28.
- Oxide gels, Making titanium-. W. A. Patrick. 1,682,242; Aug. 28.
- Oxide gels, Preparing stannic-. W. A. Patrick. 1,682,240; Aug. 28.
- Oxide, Obtaining titanite. L. E. Barton and C. J. Kinzie. 1,695,270; Dec. 18.
- Oxide, Obtaining titanium. R. H. Monk. 1,695,341; Dec. 18.
- Oxides, Apparatus for reducing metallic. W. H. Smith. 1,692,587; Nov. 20.
- Oxides, Reducing metallic. W. H. Smith. 1,692,588; Nov. 20.
- Oxides to metallic form, Reducing. S. Westberg. 1,690,916; Nov. 6.
- Oxidized products, Production of. R. E. Martin. 1,678,403; July 24.
- Oxidizing ammonia by means of oxygen. F. G. Liljenroth. 1,663,914; Mar. 27.
- Oxidizing mineral hydrocarbons. J. H. James. 1,667,419; Apr. 24.
- Oxy-compounds of phosphorus, Making. C. G. Miner. 1,686,873; Oct. 9.
- Oxygen-containing compounds of the aliphatic series, Manufacturing. I. S. Mellanoff. 1,681,156; Aug. 14.
- Oxygen or other gases, Apparatus for the subcutaneous injection of. M. Lesieur. 1,682,344; Aug. 28.
- Oxygen therapy and the like, Apparatus for. W. E. Collins. 1,669,971; May 15.
- Oxygen to combustion chambers, Apparatus for supplying. A. O. Higinbotham. 1,672,316; June 5.
- Oxygenated products from hydrocarbons or oxidizable derivatives of hydrocarbons, Manufacture and production of. W. A. Caspari. 1,674,589; June 10.
- Oyster opener. P. Gwisdalla. 1,668,758; Mar. 27.
- Oyster opener. A. Schermer. 1,679,787; Aug. 7.
- Oyster-opening machine. H. J. Whelan. 1,683,113; Sept. 4.
- Ozonides, Apparatus for producing gaseous. E. J. Bag-nall. 1,668,884; May 8.
- Pack. H. G. Coulson. 1,696,191; Dec. 25.
- Pack of cards. H. M. Wilensky. Des. 74,462; Feb. 14.
- Package. C. H. Andros. 1,682,104; Aug. 28.
- Package. F. W. Chase. 1,665,732; Apr. 10.
- Package. J. P. Hooper. 1,684,540; Sept. 18.
- Package. N. S. Meyer. 1,691,781; Nov. 13.
- Package. M. Rosen. 1,691,306; Nov. 13.
- Package. V. W. Thomson. 1,662,763; Mar. 13.
- Package and closure cap therefor, Sealed. L. P. Piazzoli, jr. 1,693,250; Nov. 27.
- Package and closure means. C. W. Vessy. 1,661,243; Mar. 6.
- Package and closure therefor. M. B. Behrman. 1,690,851-2; Nov. 6.
- Package and dispenser for gummed tape. T. H. Mitten-dorf. 1,687,731; Oct. 16.
- Package and making the same. A. M. Bates. 1,659,559; Feb. 21.
- Package and making the same. G. W. Gwinn. 1,689,430; Oct. 30.
- Package and making the same, Chewing-gum. P. L. Beck-er. 1,690,098; Nov. 6.
- Package and making the same, Preservative. G. W. Beadle. 1,685,392; Sept. 25.
- Package-banding machine. A. M. English. 1,677,587; July 17.
- Package closer and fastener. W. M. Ingram. 1,673,683; June 12.
- Package-delivery device. N. L. Sammis. 1,674,483; June 19.
- Package, Display. C. L. Marcus. 1,672,034; June 5.
- Package elevator. J. L. Baldwin. 1,664,912; Apr. 3.
- Package for cigars, candy, and the like. H. H. Jones. 1,692,410; Nov. 20.
- Package for pile fabrics and the like. A. M. Durand. 1,677,515; July 17.
- Package handle. G. W. Carver. 1,691,467; Nov. 13.
- Package holder for rolls. J. P. Nielsen. 1,660,882; Feb. 28.
- Package inspection. C. Arelt and J. Jackson. 1,682,464; Aug. 28.
- Package, Merchandise. J. F. Wallace. 1,686,354; Oct. 2.
- Package, Napkin. J. W. King. 1,686,862; Oct. 9.
- Package of hydroscopic material, Special. C. E. Mensing and R. E. Wiley. 1,673,154; July 24.
- Package, Oil. F. D. Gatchell. 1,679,968; Aug. 7.
- Package, Scrapple. F. Briggs. 1,678,632; July 31.
- Package, Sealed. F. W. Horst. 1,680,616; Aug. 14.
- Package tie. W. J. Traynick. 1,654,764; Jan. 3.
- Packaging. M. B. Behrman. 1,690,853; Nov. 6.
- Packaging device for metal sheets. J. H. O'Neil. 1,690,873; Nov. 6.
- Packaging machine. L. Fischer. 1,690,895; Nov. 6.
- Packaging machine. G. W. Mudd. 1,659,831; Feb. 21.
- Packaging machine. R. H. Plass. 1,661,848; Mar. 6.
- Packaging machine. L. W. Tiffany. 1,688,406; Oct. 23.
- Packaging machine. H. H. Wanders. 1,692,429; Nov. 20.
- Packaging machine, Ice-cream-. F. X. Kuhn. 1,693,988; Dec. 4.

- Packaging machines, Automatic wrapper control for. F. R. Schmitt. 1,664,048; Mar. 27.
- Packaging mechanidse for shipment. D. Nelson. 1,683,843; Sept. 11.
- Packaging paper. Apparatus and method for. W. C. Ludwig. 1,696,008; Dec. 18.
- Packaging staples and package produced thereby. T. A. Briggs. 1,671,809; May 29.
- Packaging staples or the like and package produced thereby. T. A. Briggs. 1,665,051; Apr. 3.
- Packaging surgical napkins. R. F. Hayden. 1,692,504; Nov. 20.
- Packages, Manufacture of moistureproof paper. H. G. Eckstein. 1,692,822; Nov. 27.
- Packer and feeder for carton blanks. W. C. Young. 1,689,272; Oct. 30.
- Packer, Automatic sack. C. M. Stoner. 1,686,477; Oct. 2.
- Packer for working barrels. P. H. Bray. 1,692,485; Nov. 20.
- Packer, Pump. J. A. Yerkes and R. H. Lemmon. 1,686,307; Oct. 2.
- Packer, Well. J. P. Pugh and W. C. Clark. 1,695,741; Dec. 18.
- Packet, Eye-dressing. E. Remley. 1,680,804; Aug. 14.
- Packing. W. R. Beldam. 1,655,589; Jan. 10.
- Packing. G. Bergmann. 1,668,755; May 8.
- Packing. A. W. Chesterton. 1,675,923; July 3.
- Packing. W. W. Evans. 1,690,161; Nov. 6.
- Packing. N. B. Miller. 1,663,314; Mar. 20.
- Packing. G. F. Murphy. 1,665,377; Apr. 10.
- Packing. G. B. Vroom. 1,672,013; June 5.
- Packing and forming machine, Cork. A. F. Muller. 1,680,952; Aug. 14.
- Packing and making same. B. L. Benbow. 1,686,063; Oct. 2.
- Packing and making the same. C. Restein. 1,695,821-2; Dec. 18.
- Packing and packing device. H. F. Snyder. 1,693,003; Nov. 27.
- Packing and storing vessel. S. M. Dawsey. 1,675,258; June 26.
- Packing apparatus, Fruit and vegetable. A. B. Clisson. 1,655,134; Jan. 3.
- Packing box. R. H. Pangborn. 1,692,049; Nov. 20.
- Packing box. J. H. Reedy. 1,656,679; Jan. 17.
- Packing box. M. Spitzer. 1,681,199; Aug. 21.
- Packing case. C. K. Blum. 1,662,100; Mar. 13.
- Packing case. C. D. Fallert. 1,667,887; May 1.
- Packing case. C. W. Gerlach. 1,694,973; Dec. 11.
- Packing case. O. C. Reeves. 1,675,957; July 3.
- Packing case, Extension. R. W. Stanley. 1,680,071; Aug. 7.
- Packing case for hats. E. A. Walther. 1,663,928; Mar. 27.
- Packing case or crate. W. W. Rice. 1,696,413; Dec. 25.
- Packing cases, Keenforcing the walls of. A. Mauser. 1,667,793; May 1.
- Packing condenser tubes or the like, Method of and tool for. H. A. Staples. 1,695,616; Dec. 18.
- Packing cutter, Circular. W. E. Endrezze. 1,661,136; Feb. 28.
- Packing device. F. P. Allen. 1,667,279; Apr. 24.
- Packing device, Shape-retaining. B. Ikoisky and J. Josephs. 1,695,495; Dec. 18.
- Packing device for filled-can-closing machines. H. A. Fink. 1,696,796; Dec. 25.
- Packing device for pressure vessels. R. Tillmann. 1,665,827; Apr. 10.
- Packing device for valve stems. A. C. Lindbloom. 1,683,293; Sept. 4.
- Packing doors, frames, and the like. H. B. Walter. 1,676,304; July 10.
- Packing doubled sheets and plates, Apparatus for. A. R. McArthur. 1,683,982; Sept. 11.
- Packing, Fluid-tight. J. A. Brooks. 1,692,403; Nov. 20.
- Packing for fragile articles, Method and apparatus for making. M. Koppelman and S. Cooper. 1,661,727; Mar. 6.
- Packing for hypodermic syringes, Adjustable. G. N. Hein. 1,671,059; Aug. 7.
- Packing for oil wells. C. Starysky. 1,676,168; July 3.
- Packing for pistons and the like. S. M. Greenidge. 1,682,222; Aug. 28.
- Packing for plunger pumps, Longitudinal fibrous. H. M. Green. 1,691,603; Nov. 13.
- Packing for rods and shafts. V. E. Nelson. 1,674,256; June 19.
- Packing for shafts. W. M. Baxter. 1,673,932; June 19.
- Packing for use particularly with moving machine or engine parts. F. C. W. Wilkinson. 1,669,030; May 8.
- Packing-forming apparatus. W. Lorentz. 1,660,514; Feb. 28.
- Packing fruits, vegetables, and other products. L. H. Caskey. 1,692,625; Nov. 20.
- Packing head, Oil-well. W. D. Shaffer. 1,692,582; Nov. 20.
- Packing, Joint. J. A. Connolly. 1,677,884; July 24.
- Packing machine. R. Navarro y Gonzalez. 1,682,275; Aug. 28.
- Packing machine. L. T. Schaefer, sr. 1,657,182; Jan. 24.
- Packing machine. O. A. Schoen. 1,654,706; Jan. 3.
- Packing machine, Confectionery-. J. W. Greer. 1,686,375; Oct. 2.
- Packing machine, Fruit and vegetable. M. E. Avera. 1,668,837; May 8.
- Packing, Macking rod. G. C. Jerome. 1,691,574; Nov. 13.
- Packing material. O. T. Hungerford. 1,681,540; Aug. 21.
- Packing material and gasket made therefrom. F. L. Dieterich. 1,676,432; July 10.
- Packing, Metallic. H. P. Rhodes. 1,674,839; June 26.
- Packing, Metallic rod. J. Badeker. 1,669,074; May 8.
- Packing of wire or the like. A. Saulter. 1,691,995; Nov. 20.
- Packing or filling body. F. Lilge. 1,676,451; July 10.
- Packing pad. B. M. Hoblick. 1,682,177; Aug. 28.
- Packing, Piston. A. W. Hanigan. 1,653,440; Feb. 7.
- Packing, Piston. J. W. MacClatchie. 1,686,090; Oct. 2.
- Packing, Piston. J. F. Panyard. 1,667,947; May 1.
- Packing, Pump. J. L. Shafer. 1,660,302; Feb. 21.
- Packing ring. P. M. Gilmer. 1,671,526; May 29.
- Packing ring. T. Johnston. 1,682,130; Aug. 28.
- Packing ring. B. P. Joyce. 1,678,978; May 29.
- Packing ring. J. B. Wenel. 1,677,158; July 17.
- Packing ring, Metallic. R. H. Kautzky. 1,681,770; Aug. 21.
- Packing ring, Metallic. R. A. Munch. 1,658,935; Feb. 14.
- Packing, Rod. A. C. Judd. 1,680,684; Aug. 14.
- Packing, Rod. F. N. Mason. 1,656,880; Jan. 17.
- Packing, Semimetallic. S. R. Shymaker and R. Walter. 1,660,938; Feb. 28.
- Packing, Shaft. O. Junggren. 1,670,071; May 15.
- Packing, Shaft. G. W. Leiman. 1,673,365; June 12.
- Packing, Shaft. E. W. Stevens. 1,681,444; Aug. 21.
- Pad: See—
- Baking pad. Knee pad.
- Calendar pad. Memo pad.
- Crutch pad. Memorandum pad.
- Desk pad. Metatarsal pad.
- Draining pad. Oiling pad.
- Electric pad. Packing pad.
- Golf pad. Permanent-wave pad.
- Hair waving and curling pad. Polishing pad.
- Hair-waving pad. Scouring pad.
- Hat pad. Shaving pad.
- Horse-collar pad. Shoulder pad.
- Ice-saving pad. Spring pad.
- Ironing or pressing machine pad. Table pad.
- Ironing or pressing machine pad. Triangle pad.
- Ironing or pressing machine pad. Vulcanizing pan.
- Pad and bed vessel. A. C. Sherran. 1,695,160; Dec. 11.
- Pad and lining, Fruit-box. D. H. Rosenberg. 1,684,556; Sept. 18.
- Pad for artificial teeth and preparing same. D. G. MacKinnon. 1,676,962; May 15.
- Pad for decorating. F. F. Conwill. 1,667,841; May 1.
- Pad for mangle rollers, ironing boards, and the like. W. A. Zeidler. 1,681,965; Aug. 28.
- Pad for permanent waving of hair. B. F. Jancke. 1,687,249; Oct. 9.
- Pad for pressing machines. P. N. Braun and S. T. Hart. 1,665,654; Apr. 10.
- Pad for shoes, Insertable. A. F. Bancroft. 1,695,134; Dec. 11.
- Pad holder. C. Cosper. 1,663,120; Mar. 20.
- Pad holder. G. M. Porter. 1,668,573; May 8.
- Pad or cushion. Metatarsal-arch-supporting. W. M. Scholl. 1,675,578; July 3.
- Pad roll and spindle therefor, Gelatin. W. E. Williams. 1,662,448; Mar. 13.
- Padding. E. J. Carroll. 1,682,483; Aug. 28.
- Padding. J. H. Taylor. 1,668,614; May 8.
- Padding and sizing machine for silk or cotton fabric. J. Laterra. 1,675,810; July 3.
- Padding for seat backs. J. R. Millar. 1,662,388-9; Mar. 13.
- Pads, Apparatus for making. O. G. Schmitt. 1,692,386; Nov. 20.
- Paddle. W. L. Holder. 1,661,289; Mar. 6.
- Paddle, Swimmer's. M. MacRae. 1,658,730; Feb. 7.
- Paddle wheel, Feathering. C. R. Wyborney. 1,658,624; Feb. 7.
- Padlock. M. Adamson. 1,660,903; Feb. 28.
- Padlock. A. Del Rosso. 1,688,208; Oct. 16.
- Padlock. I. Gonyak. 1,670,960; May 22.
- Padlock. H. Hedrich. 1,667,254; Apr. 24.
- Padlock. A. C. Jackson and W. Kroll. 1,688,187; Oct. 16.
- Padlock. A. C. Jackson. 1,693,511; Nov. 27.
- Padlock. R. Lichtenberger. 1,681,416; Aug. 21.
- Padlock. M. C. Maxwell. 1,690,938; Nov. 6.
- Padlock. J. A. Muzzio. 1,683,935; Sept. 11.
- Padlock. H. B. Page. 1,659,664; Feb. 21.
- Padlock. P. Szczepczeni. 1,661,777; Mar. 6.
- Padlock. S. Spano. 1,689,805; Oct. 30.
- Padlock, Combination. F. Soley. 1,696,061; Dec. 18.
- Padlock, Combination. F. C. Willey. 1,668,441; May 1.
- Padlock, Cylinder. J. Junkunc. 1,663,799; Mar. 27.
- Padlock for tire carriers and the like. H. B. Page. 1,695,696; Dec. 18.
- Padlock, Permutation. G. E. B. Jakopets. 1,666,453; Apr. 17.
- Padlock, Permutation. G. F. Mayer. 1,686,632; Oct. 9.
- Padlock, Sealed. W. Kroll. 1,659,433; Feb. 14.
- Page, Sectional. L. Cohen. 1,695,575; Dec. 18.
- Page-end-margin indicator. N. Deisch. 1,656,428; Jan. 17.
- Pail. G. W. Smith. 1,677,906; July 24.
- Pail. H. E. Whitney. 1,677,222; July 17.
- Pail and harness, Combination. W. H. Richardson and E. F. Masl. 1,689,051; Oct. 23.

- Pail, Collapsible. B. B. Blood. 1,670,709; May 22.
 Pail handle. W. W. Hodgson and J. J. Engelman. 1,660,841; Feb. 28.
 Pail holder, Milk-. A. P. Hill. 1,667,785; May 1.
 Pail, Milk. J. S. Elofson. 1,667,776; May 1.
 Pail with non-detachable cover, Garbage. M. L. Brown. 1,663,901; Mar. 27.
 Paint. L. M. Wise. 1,664,341; Mar. 27.
 Paint and varnish remover. L. Simon. 1,657,323; Jan. 24.
 Paint and varnish remover containing an alkali-metal benzozate as a thickening agent. B. N. Lougovoy. 1,691,771; Nov. 13.
 Paintbrush. C. Lesiak. 1,694,860; Dec. 11.
 Paintbrushes, Attachment for. P. A. Rossi. 1,691,857; Nov. 13.
 Paint brushes, Hammer attachment for. W. A. Brady. 1,667,651; Apr. 24.
 Paint can. A. G. Kircher, jr. 1,696,240; Dec. 25.
 Paint container for spray appliances. W. Hersleb. Re-16,960; May 15.
 Paint, Fibrous. G. E. Heyl. 1,656,198; Jan. 17.
 Paint, Fluorescent. L. J. Buttolph. 1,658,476; Feb. 7.
 Paint gun. F. W. Schneider. 1,660,359; Feb. 28.
 Paint mixer. L. C. Wait. 1,655,447; Jan. 10.
 Paint or waterproofing material and producing the same. F. W. McRae. 1,684,593; Sept. 18.
 Paint remover, Electric. W. Multhaup. 1,664,429; Apr. 3.
 Paint-spraying machine. L. R. S. Agassiz. 1,664,803; Apr. 3.
 Paint, Waterproof. C. N. Exley. 1,672,377; June 5.
 Painting apparatus. T. Birkenmaier. 1,691,374; Nov. 13.
 Painting, System of. W. A. Heinrich. 1,656,858; Jan. 17.
 Paintings, Production of imitation. H. Gabler-Adlersfeld. 1,682,261; Aug. 28.
 Paintings, Producing oil. H. Bogaerts. 1,660,596; Feb. 28.
 Paints, enamels, japans, and the like. D. Gardner. 1,662,741; Mar. 13.
 Paints, Making emulsion. L. Kirschbraun. 1,691,765; Nov. 13.
 Palette for gold-stamping presses. J. Kahn. 1,681,733; Aug. 21.
 Pallet. W. Abraham. 1,657,491; Jan. 31.
 Pallet. R. V. Proctor and H. M. Schaab. 1,678,443; July 24.
 Pallet and making the same. C. B. Cushwa. 1,665,299; Apr. 10.
 Palm protector. B. G. Dom Browzsky. 1,667,926; May 1.
 Pan or the like. A. Vericel. Des. 76,507; Oct. 2.
 Pan: See—
 Bake pan. Grinding pan.
 Baking pan. Pie pan.
 Dustpan.
 Pan for flush tanks, Drip. P. John. 1,669,056; May 8.
 Pan for portable oil stoves, Base. H. J. Haddick. 1,670,148; May 15.
 Pan for refrigerators, Removable drain. E. P. Schwarz. 1,684,558; Sept. 18.
 Pan-lid holder. B. Papp. 1,667,266; Apr. 24.
 Pan lifter. V. D. Hughey, O. R. Mullins and I. M. Hughey. 1,683,190; Sept. 4.
 Pan lifter. J. W. Montgomery. 1,670,732; May 22.
 Pan or the like, Cake. S. Joseph. Des. 75,427; June 5.
 Pans, Construction of reinforced baking. J. G. Jackson. 1,655,188; Jan. 3.
 Pans, Extension side for. O. M. Wilson. 1,694,958; Dec. 11.
 Pane retainer. C. H. Campbell. 1,656,816; Jan. 17.
 Panel. W. M. Schwartz. Re17,144; Nov. 20.
 Panel bezel, Instrument. F. N. Nutt. 1,694,752; Dec. 11.
 Panel-board box. C. Aalborg. 1,691,422; Nov. 13.
 Panel board, Electrical. F. L. Benzon. 1,687,319; Oct. 9.
 Panel board, Metering. A. C. McWilliams. 1,686,717; Oct. 9.
 Panel, Control. G. W. Hyser. 1,670,856; May 22.
 Panel, Door-control garnish. J. J. Punke. Des. 75,982; Aug. 7.
 Panel, Electric fuse. A. W. Minott. 1,693,854; Dec. 4.
 Panel, Flexible. F. B. Harman. 1,691,604; Nov. 13.
 Panel for electric-light fixtures. J. Shortt. Des. 76,063; Aug. 14.
 Panel for furniture. E. Griffin. Des. 75,839; July 24.
 Panel for metal work, Decorative. O. B. Bach. Des. 75,709; July 10.
 Panel, Illuminated instrument. W. H. Schulze. 1,679,587; Aug. 7.
 Panel, Illuminated instrument. J. Zubaty. 1,675,628; July 3.
 Panel, Instrument. A. Champion. 1,680,012; Aug. 7.
 Panel, Instrument. E. R. Evans. Des. 74,667; Mar. 13.
 Panel joint for automobile bodies and making the same. O. J. Groehn. 1,693,750; Dec. 4.
 Panel joint, Veneered. J. Levine. 1,674,288; June 19.
 Panel, Switch. W. E. Hawley. 1,688,078; Oct. 16.
 Paneled structure. H. F. Obergfell. 1,660,933; Feb. 28.
 Panic bolt. W. J. Carroll. 1,674,760; June 26.
 Panic bolt. W. J. Carroll. 1,677,271; July 17.
 Pantograph. L. Ridgway. 1,684,887; Sept. 18.
 Pants, Baby. M. E. Smith. 1,684,046; Sept. 11.
 Pants, Football. J. Guyon. 1,669,085; May 8.
 Pants holder. F. A. Rose. 1,665,983; Apr. 10.
 Pants, Waterproof baby. R. Kosloff. 1,695,109; Dec. 11.
 Paper and fabric material, Forming combined. J. R. McKenna. 1,689,354; Oct. 30.
 Paper and making the same, Protective. B. W. Smith. 1,675,769; July 3.
 Paper and making the same, Rubber-impregnated. K. L. Moses. 1,660,204; Feb. 21.
 Paper and paper made thereby, Finishing and coloring. T. Hans. 1,685,917; Oct. 2.
 Paper and paper stock and producing the same. L. Grafflin. 1,692,774; Nov. 20.
 Paper and receiving solution for telautography, Receiving. M. Ferree and J. Wissmar. 1,666,329; Apr. 17.
 Paper and the like, Method of and apparatus for forming articles from. R. Beardsley. 1,669,966; May 15.
 Paper, Apparatus for conditioning. E. F. Dreger. 1,657,073; Jan. 24.
 Paper, Apparatus for making. L. Kirschbraun. 1,686,818; Oct. 9.
 Paper article and manufacture. E. G. Baum. 1,668,349; May 1.
 Paper, backing and coating the same. G. E. Grimm. 1,667,853; May 1.
 Paper bag. A. M. Bates and A. Krasa. 1,668,542; May 8.
 Paper bag. Z. Littman. 1,661,143; Feb. 28.
 Paper bag. J. W. C. Meikle. 1,671,775; May 29.
 Paper bag. J. W. Taggart. 1,683,632; Sept. 11.
 Paper bag. H. A. Wolf. 1,695,568; Dec. 18.
 Paper-bag handle. M. Faistenhammer. 1,693,110; Nov. 27.
 Paper bag, Multiply. A. M. Bates and J. E. Cornell. 1,656,368; Jan. 17.
 Paper-bag package. L. R. Payne. 1,657,639; Jan. 31.
 Paper beater. A. C. Bontell. 1,690,661; Nov. 6.
 Paper, Blasting. G. F. Templeman. 1,682,639; Aug. 28.
 Paperboard-cutting machine. C. E. Colgrove. 1,666,687; Apr. 17.
 Paper board, Making waterproof. E. Bache. 1,691,752; Nov. 13.
 Paper box. A. H. Crankshaw. 1,663,491; Mar. 13.
 Paper box. E. W. Labombarde. 1,667,975; May 1.
 Paper box. L. and J. Rosenfield and S. A. Beer. 1,675,314; June 26.
 Paper box, Folding. W. Wolfe. 1,672,188; June 5.
 Paper, Box-wrapping. R. Wilmot. Des. 76,366; Sept. 18.
 Paper-break indicator. E. P. Sheldon. 1,688,835; Oct. 23.
 Paper, Cardboard and pasteboard making machine. O. Leonhardt. 1,689,553; Oct. 30.
 Paper clip. C. C. Sigler. 1,666,514; Apr. 17.
 Paper clip or similar article. W. Lampl. Des. 75,691; July 3.
 Paper, Coated. F. W. Farrell. 1,683,453; Sept. 4.
 Paper, Coated. L. G. Thomson. 1,655,745; Jan. 10.
 Paper-coating machine. C. O. Thorne. 1,675,066; June 26.
 Paper-conditioning apparatus. J. B. Willsea. 1,660,901; Feb. 28.
 Paper-conveying system. H. F. Paschen and E. F. De Potter. 1,653,094; Feb. 7.
 Paper corrugating and crinkling. B. C. Stickney. 1,661,393; Mar. 6.
 Paper-crinkling apparatus. W. A. Lorenz. 1,680,797; Aug. 14.
 Paper-crinkling machine. W. A. Lorenz. 1,654,656; Jan. 3.
 Paper-crinkling machine. W. A. Lorenz. 1,686,388; Oct. 2.
 Paper cup. R. P. Dickerson. 1,687,716; Oct. 16.
 Paper cup, Collapsible. W. J. Main. 1,690,586; Nov. 6.
 Paper cutter. C. O. Thorne. 1,694,896; Dec. 11.
 Paper-cutting machine. T. C. Dexter. 1,673,065; June 12.
 Paper-cutting machine and gauge and carrier therefor. J. E. Mulroney. 1,678,156; July 24.
 Paper-cutting mechanism. A. Zimniewicz. 1,660,950; Feb. 28.
 Paper, Deinking. A. R. Lukens. 1,680,949; Aug. 14.
 Paper, Device for holding rolls of. E. E. Maston. 1,659,276; Feb. 14.
 Paper drying and apparatus therefor. A. E. Montgomery. 1,691,930; Nov. 20.
 Paper-drying machine. A. D. Harrison. 1,670,113; May 15.
 Paper-drying machine. M. J. O'Malley. 1,669,774; May 15.
 Paper fabric. W. A. Lorenz. 1,682,346; Aug. 28.
 Paper fabric, Reenforced-. C. H. Howard. 1,679,721; Aug. 7.
 Paper-fastener lock. F. J. Kline. 1,669,830; May 15.
 Paper-fastener lock. F. J. Kline. 1,690,230; Nov. 6.
 Paper feed and cutting mechanism. S. E. Chapman. 1,665,444; Apr. 10.
 Paper-feed control. F. Farmer. 1,664,026; Mar. 27.
 Paper feeders, Top hold-down mechanism for. C. L. Low. 1,668,816; May 8.
 Paper-feeding device. S. H. Plum, 2d. 1,670,901; May 22.
 Paper-feeding mechanism. R. Hitchcock. 1,672,412; June 5.
 Paper festoon, Crepe. C. C. Willis. 1,659,584; Feb. 21.
 Paper, Figured tissue. L. Wagner. Des. 74,403; Feb. 7.
 Paper fillers, Machine for making. E. R. Creamer. 1,659,314; Feb. 14.
 Paper-finish tester. C. H. le P. Jones. 1,668,593; May 8.
 Paper-finishing machine. J. Speed. 1,660,978; Feb. 28.

- Paper-folding machine. J. H. Adams. 1,659,585; Feb. 21.
 Paper-folding machine. L. K. Aldrich. 1,674,462; June 19.
 Paper-folding machine. T. C. Dexter. 1,673,064; June 12.
 Paper-folding machine, Automatic. W. J. Jeffries and S. W. Gibbons. 1,690,902; Nov. 6.
 Paper-folding machinery. W. O. Blake. 1,655,491; Jan. 10.
 Paper-folding machines, Folding roll for. H. A. W. Wood. 1,668,135; May 1.
 Paper for wiping engraved printing plates. T. M. Royal. 1,671,612; May 29.
 Paper-handling machine. R. Hitchcock. 1,680,044; Aug. 7.
 Paper-hanger's board. E. S. Judd and R. Russo. 1,695,766; Dec. 18.
 Paper headgear, Sanitary. E. Blumenthal. 1,659,425; Feb. 14.
 Paper holder. J. E. Hudson. 1,663,305; Mar. 20.
 Paper holding and advancing mechanism. G. I. Snyder. 1,684,689; Sept. 18.
 Paper-holding device. S. Stowell. 1,687,404; Oct. 9.
 Paper, Imprinted. D. D. Madden. 1,666,030; Apr. 10.
 Paper jogger. J. A. Carlton. 1,694,499; Dec. 11.
 Paper machine. H. D. Bean. 1,656,853; Jan. 17.
 Paper machine, Laminated. I. A. Newcomer. 1,669,011; May 8.
 Paper machines, Apparatus for controlling the drying operation in. G. S. Witham, jr. 1,694,349; Dec. 4.
 Paper machines, Recording device for. C. J. Guenther. 1,667,516; Apr. 24.
 Paper machines, Stock-consistency regulator for. M. De Zurik. 1,669,412; May 15.
 Paper making. H. G. Cram. 1,688,267; Oct. 16.
 Paper making. C. N. Merrill. 1,662,200; Mar. 13.
 Paper making. R. V. Weldon. 1,675,305; July 10.
 Paper-making machine. E. v. Asten. 1,660,640; Feb. 28.
 Paper-making machine. J. S. Beck. 1,670,182; May 15.
 Paper-making machine. A. Bellemare. 1,680,277; Aug. 14.
 Paper-making machine. A. E. Cofrin. 1,654,962; Jan. 3.
 Paper-making machine. J. K. Darby. 1,679,854; Aug. 7.
 Paper-making machine. J. A. Devine. 1,676,883; Feb. 21.
 Paper-making machine. P. Erkens. 1,670,884; May 22.
 Paper-making machine. H. L. Kutter. 1,662,929; Mar. 20.
 Paper-making machine. W. A. Lorenz. 1,676,655; July 10.
 Paper making machine. N. J. Niks. 1,690,203; Nov. 6.
 Paper-making machine. R. E. Read. 1,687,847; Oct. 16.
 Paper-making machine. C. Seybold and J. Boltersdorf. 1,666,472; Apr. 17.
 Paper-making machine. C. W. Valentine. 1,656,766; Jan. 17.
 Paper-making machine. C. W. Valentine. 1,665,614; Apr. 10.
 Paper-making machine. H. R. Williams. 1,695,873; Dec. 18.
 Paper-making machine. G. S. Witham, jr. 1,662,226; Mar. 13.
 Paper-making machine. L. M. Yoerg. 1,695,448; Dec. 18.
 Paper-making machine, Cylinder. A. T. Yoder. 1,664,722; Apr. 3.
 Paper-making machinery. R. E. Heisel. 1,679,523; Aug. 7.
 Paper-making machinery. R. E. Heisel. 1,687,447; Oct. 9.
 Paper-making machinery. C. L. Henderson. 1,686,322; Oct. 2.
 Paper-making machinery. E. A. Ohlin and F. O. Carlsson. 1,695,972; Dec. 18.
 Paper-making machines and apparatus therefor, Feed control of. A. Kolitsch. 1,695,880; Dec. 18.
 Paper-making machines and making same, Roll for. R. H. Whitney. 1,660,538; Feb. 28.
 Paper-making machines, Apparatus for reconditioning felts of. M. F. Flynn. 1,678,978; July 31.
 Paper-making machines, Drive for. A. N. Russell. 1,655,511; Jan. 10.
 Paper-making machines, Flow-evenner roll for. C. W. Valentine. 1,667,755; May 1.
 Paper-making machines, Removable-type Fourdrinier. E. E. Berry. 1,678,176; July 24.
 Paper-making machines, Rope-guiding bracket for. R. Carpenter. 1,660,917; Feb. 28.
 Paper-making machines, Stock deflector for flow boxes for. A. N. Russell. 1,660,274; Feb. 21.
 Paper-making machines, Stock-regulating mechanism for. J. R. Spoor. 1,689,755; Oct. 30.
 Paper-making machines, Suction boxes for. F. J. Latham. 1,657,509; Jan. 31.
 Paper-making machines, Suction roll for. E. E. Berry. 1,676,848; Jan. 10.
 Paper-manufacturing machine. J. W. Brassington. 1,660,643; Feb. 28.
 Paper, Marking. W. J. Hughes. 1,659,320; Feb. 14.
 Paper, Method and apparatus for finishing. S. W. Webb, J. G. Callan and A. Allen. 1,674,848; June 26.
 Paper, Method and apparatus for making multiply. G. L. Bidwell. 1,682,826; Sept. 4.
 Paper, Method and machine for gloss-coating. E. W. Labombarde. 1,681,350; Aug. 21.
 Paper, Method and machine for the producing of tightly-coiled. F. Schade. 1,677,599; July 17.
 Paper, Method of and apparatus for making gummed. W. H. Smith, and A. S. Webster. 1,665,611; Apr. 10.
 Paper mill sludge composition. A. E. Hansen and A. C. Ruger. 1,668,961; May 8.
 Paper, Newsprint. W. H. Millsbaugh. 1,674,980; June 26.
 Paper or other flexible material, Bag of. C. A. Witham. 1,665,576; Apr. 10.
 Paper or similar material, Cover. A. Labram. Des. 74,794; Mar. 27.
 Paper or similar material, Cover. L. Wagner. Des. 74,814; Mar. 27.
 Paper or the like, Cover. W. S. Fowler. Des. 75,834; July 24.
 Paper or the like, Cover. W. S. Fowler. Des. 77,147; Dec. 11.
 Paper or the like, Cover. T. L. Stone. Des. 74,283; Jan. 17.
 Paper, Ornamented. J. W. Neff. Des. 76,200; Aug. 28.
 Paper package. U. S. Silbar. 1,662,080; Mar. 13.
 Paper package, Toilet and tissue. M. M. Cohn. 1,682,115; Aug. 28.
 Paper, paperboard, building boards, roofing and flooring sheets and cloths, and the like, Manufacture of. G. F. Blombery. 1,675,244; June 26.
 Paper, Process and apparatus for making. J. C. Corcoran. 1,690,402; Nov. 6.
 Paper, Process and mechanism for producing stretchable. H. G. Widmer. 1,676,759; July 10.
 Paper, Producing imprinted. D. D. Madden. 1,666,031; Apr. 10.
 Paper, Proofed. J. Reid. 1,667,691; Apr. 24.
 Paper-pulp and like beating engine. S. Milne. 1,662,466; Mar. 13.
 Paper pulp, Apparatus for producing and feeding. R. S. Clarke. 1,668,141; May 1.
 Paper-roll-changing plant. H. A. W. Wood. 1,678,894; July 31.
 Paper-roll holder. R. C. Melling. 1,670,120; May 15.
 Paper-roll holder, Perforated. W. V. Hunt. 1,661,896; Mar. 6.
 Paper rollers, Cutting and measuring device for. W. Cohen. 1,662,364; Mar. 13.
 Paper-rolling machine. W. F. Marresford. 1,681,046; Aug. 14.
 Paper rolls, Apparatus for forming and handling. G. W. Dingee. 1,661,326; Mar. 6.
 Paper, Safety. L. Gailer. 1,692,645; Nov. 20.
 Paper, Safety. W. R. Orndorff. 1,662,509; Mar. 13.
 Paper, Safety. B. W. Smith. 1,689,302; Oct. 30.
 Paper sheets, Device for binding. F. Schlender. 1,657,591; Jan. 31.
 Paper sheets locally transparent, Rendering. O. Poeppel. 1,662,717; Mar. 13.
 Paper sheets, Packaging waxed. E. E. Palmer. 1,662,980; Mar. 20.
 Paper, Sizing. J. A. De Cew. 1,663,976; Mar. 27.
 Paper, Sizing. T. Hans. 1,662,641; Mar. 13.
 Paper-stock refining. H. Liebeck. 1,676,653; July 10.
 Paper, Stripping. E. B. Weston. 1,680,711; Aug. 14.
 Paper-take-up mechanism. A. S. Wheelbarger. 1,683,444; Oct. 23.
 Paper-testing machine. C. R. Taylor. 1,661,549; Mar. 6.
 Paper transportation. B. L. Hammond. 1,685,845; Oct. 2.
 Paper tubes, Apparatus for making. C. G. Kronmiller. 1,669,713; May 15.
 Paper tubes, Method and machine for making. J. N. Francis. 1,690,287; Nov. 6.
 Paper, Wall. C. E. Burchfield. Des. 77,292; Dec. 25.
 Paper, Water-marked. A. Pleyer. 1,687,140; Oct. 9.
 Paper-waxing apparatus. R. A. Hayward. 1,658,485; Feb. 7.
 Paper weight or analogous article. W. F. Dahlstrom. Des. 75,220; May 22.
 Paper weight or similar article. G. S. Deffenbaugh. Des. 75,357; May 29.
 Paper-winding machines, Automatic reel-transferring mechanism for. F. W. Vickery. 1,655,927; Jan. 10.
 Paper, Wrapping. A. Baron. Des. 76,978; Nov. 27.
 Paper, Wrapping. A. Lewin. Des. 74,514; Feb. 21.
 Paper, Writing. H. G. Prosser. 1,677,930; July 24.
 Papering and buffing machine, Sand. E. Primeaux. 1,665,676; Apr. 10.
 Para-alkyl-oxyphenylglycinamides and preparing the same. J. Rosin. 1,672,689; June 5.
 Parachute. F. W. Denda. 1,679,242; July 31.
 Parachute. H. O. Eiane. 1,679,714; Aug. 7.
 Parachute. A. E. Fixel. 1,691,711; Nov. 13.
 Parachute. D. Hurlburt. 1,685,422; Sept. 25.
 Parachute. J. H. Kessler. 1,693,518; Nov. 27.
 Parachute. F. R. Owens. 1,687,884; Oct. 16.
 Parachute. J. M. Russell. 1,672,427; June 5.
 Parachute. M. Schenbrun. 1,678,537; July 24.
 Parachute. A. R. Thörnblad. 1,685,688; Sept. 25.
 Parachute container and ejector for aeroplanes. J. La Porte. 1,666,456; Apr. 17.
 Parachute-opening device. C. R. Harwick. 1,682,509; Aug. 28.
 Parachutes, Device for facilitating the spreading of. G. Furmanik. 1,687,064; Oct. 9.
 Paraffin cutter. M. L. Reed and H. E. Bulla. 1,677,050; July 10.
 Paraffin for the preserving of fruit, Method of and apparatus for applying. B. C. Skinner. 1,672,736; June 5.
 Paraffin, Process of and apparatus for recovering. W. A. Gruse and W. F. Faragher. 1,663,592; Mar. 27.
 Paraffining machine, Duplex. V. E. Nunez. 1,669,381; May 8.

- Paraformaldehyde, Manufacture of. E. Kuss. 1,666,708; Apr. 17.
- Paraformaldehyde, Manufacture of. K. Sator and W. Pfannmüller. 1,677,730; July 17.
- Parallel drafting device, Universal. M. Marzetti. 1,661,538; Mar. 6.
- Paralleling mechanism. G. M. Hollenback. 1,683,353; Sept. 4.
- Para-nitriline, Purifying. A. Miller. 1,673,154; June 12.
- Parathyroid product. L. Berman. 1,680,660; Aug. 14.
- Parcel bag. C. P. Kleebauer and R. M. Lackey. 1,665,035; Apr. 3.
- Pressing machine. G. Weiss. 1,667,502; Apr. 24.
- Parking device for automobiles. B. Walker. 1,693,288; Nov. 27.
- Parking device for automobiles and the like. I. K. Rystedt. 1,692,578; Nov. 20.
- Parking device, Vehicle. J. H. Moffat. 1,686,460; Oct. 2.
- Parlor heater. G. J. Zurstadt and W. Abigt. Des. 74,466; Feb. 14.
- Parrot stand. L. J. Leon. Des. 76,406; Sept. 25.
- Parting and weather strip, Combined. G. A. Berlinghof. 1,657,104; Jan. 24.
- Partition and panel structure, Sectional. F. B. Wheat. 1,681,074; Aug. 14.
- Partition, Bag. H. Tueckmantel. 1,681,269; Aug. 21.
- Partition, Collapsible. H. A. Simpson. 1,655,515; Jan. 10.
- Partition for jails and the like, Visitor's. G. J. Kusters. 1,689,172; Oct. 23.
- Partition, Interchangeable. M. Ronai. 1,658,211; Feb. 7.
- Partition, Interior sectional. F. P. Mitchell. 1,682,400; Aug. 28.
- Partition means for fluid containers, particularly for dyeing machines and the like. W. Gerber. 1,669,333; May 8.
- Partition, Metal. E. F. Hauserman, L. D. Mowery, W. R. McClenaghan, and T. E. Murrell. 1,660,646; Feb. 28.
- Partition or panel structure, Sectional. F. B. Wheat. 1,671,560-1; May 29.
- Partition plaster. S. Lowy. 1,669,479; May 15.
- Partition, Sectional. W. J. Reinhold. 1,694,690; Dec. 11.
- Partition structure. R. F. Carpenter and T. F. Anderson. 1,667,534; Apr. 24.
- Partition structure. W. T. Holmes, A. M. Woltz, and J. F. Reymann. 1,671,113; May 29.
- Partitioning device. F. A. Purchas. 1,664,465; Apr. 3.
- Passageway-control mechanism. F. Hedley and J. S. Doyle. 1,688,709; Oct. 23.
- Pass book for banks. A. G. Pilbrow. 1,664,897; Apr. 3.
- Pasteboard, Paperhanger's. L. S. Deal. 1,674,320; June 19.
- Paste jar. H. T. Griswold. 1,655,950; Jan. 10.
- Paste tube. F. A. Scott. 1,692,096; Nov. 20.
- Paste-tube holder. E. F. Bullock. 1,655,410; Jan. 10.
- Pasteurization of milk. E. P. Davis, J. C. Ross, and M. E. Smith. 1,686,227; Oct. 2.
- Pasteurizer, Milk. W. Sangster. 1,694,452; Dec. 11.
- Pasteurizer, Milk. W. Sangster. 1,695,207; Dec. 11.
- Pasteurizing and deodorizing cream, Apparatus for. F. L. Armitage. 1,680,720; Aug. 14.
- Pasteurizing liquids. A. Jensen. 1,693,034; Nov. 27.
- Pasteurizing milk. J. O. Templeton. 1,695,300; Dec. 18.
- Pasteurizing milk, Apparatus for. J. O. Templeton. 1,692,874; Nov. 27.
- Paste, Waterproofing. G. B. Dyde. 1,684,086; Sept. 11.
- Pastry, Article of. J. Notkin. Des. 76,492; Oct. 2.
- Pastry-forming device. A. D. Dagley. 1,657,299; Jan. 24.
- Patch, Blow-out. O. Arsenault. 1,673,482; June 12.
- Patch, Pipe. J. L. Wilson and T. G. Vicars. 1,679,236; July 31.
- Pattern: See—
- Cloth pattern. Sole pattern.
- Molding pattern.
- Pattern, Arrangement for directly reproducing on fabric the required. B. A. Butin and L. Girard. 1,678,325; July 24.
- Pattern cutter. H. E. Hoelzel. 1,678,186; July 24.
- Pattern-displaying device. C. Miller. 1,690,691; Nov. 6.
- Pattern effects in fabrics, Producing. H. Müller. 1,660,042; Feb. 21.
- Pattern elimination for molds. A. Hudson. 1,658,084; Feb. 7.
- Pattern for bathtubs. H. E. Henricks. 1,686,001; Oct. 2.
- Pattern-making device, Confectioner's. C. March. 1,662,710; Mar. 13.
- Pattern mechanism for knitting machines. V. Lombardi. 1,689,592; Oct. 30.
- Pattern mechanism for knitting machines. N. J. Perry. 1,683,798; Sept. 11.
- Pattern mechanism for knitting machines. M. Sternberg and E. J. Berger. 1,674,532; June 19.
- Pattern mechanism or shed-forming machine, Apparatus for the driving of. H. Staubli. 1,677,255; July 17.
- Pattern-reversing mechanism. R. Leveille. 1,678,121; July 24.
- Pattern-shearing machine. G. G. Richardson. 1,659,535; Feb. 14.
- Patterns, Making match-plate. L. G. Copeman. 1,667,720; May 1.
- Pavement. H. H. Jack. 1,677,829; July 17.
- Pavement. H. M. Knight. 1,660,421; Feb. 28.
- Pavement. J. B. Strauss. 1,690,259; Nov. 6.
- Pavement and laying same. L. Kirschbraun. 1,690,020; Oct. 30.
- Pavement and manufacturing the same. C. A. Mullen. 1,654,746; Jan. 3.
- Pavement felt holder. W. H. Knapp. 1,664,037; Mar. 27.
- Pavement, Metallized. H. H. Smith. 1,660,769; Feb. 28.
- Pavement, Track. H. L. Rogers. 1,689,300; Oct. 30.
- Pavements, Construction of street. A. E. Schutte. 1,677,600; July 17.
- Pavers, Compulsory synchronization control for. J. F. Robb. 1,660,301; Feb. 21.
- Paving and analogous machines, Turn table equipment for. B. H. Flynn. 1,663,832; Mar. 27.
- Paving block. A. W. Butler. 1,661,407; Mar. 6.
- Paving block. L. J. D. Healy. Rel. 8,867; Feb. 7.
- Paving block. L. J. D. Healy. Rel. 7,020; July 3.
- Paving block, Composite. E. C. Wallace. 1,689,415; Oct. 30.
- Paving composition and making same, Cold bituminous. O. H. Berger. 1,672,361; June 5.
- Paving construction. N. G. Madge. 1,673,630; June 12.
- Paving, Interlocking blocks for road. J. G. Thomson. 1,660,459; Feb. 28.
- Paving material and laying the same. E. Hopkinson. 1,661,828; Mar. 6.
- Paving material and making the same. F. Iwanski. 1,661,832; Mar. 6.
- Paving rammer. E. H. Carlsson. 1,684,574; Sept. 18.
- Pawl-and-ratchet mechanism. R. H. Manson. 1,678,069; July 24.
- Peanut Butter. D. W. Howe. 1,696,766; Dec. 25.
- Peat, peat moss, lignite, and the like, Producing hard homogeneous fuel or similar objects from. B. Jirotko. 1,656,859; Jan. 17.
- Peavey. W. Latta. 1,696,852; Dec. 25.
- Pectin product. A. Leo. 1,675,035; June 26.
- Pedal, Accelerator. L. M. and P. J. Williams. Des. 74,206; Jan. 3.
- Pedal-actuating device. H. Christenson. 1,676,686; July 10.
- Pedal-control attachment for automobiles. L. S. Gunderman. 1,657,356; Jan. 24.
- Pedal-control attachment for automobiles. L. C. Gunderman. 1,670,933; May 22.
- Pedal cover. W. T. Birch. 1,675,849; June 26.
- Pedal holder. L. W. Lindmeyer. 1,691,822; Nov. 13.
- Pedal lock. J. M. Taman. 1,681,380; Aug. 21.
- Pedal-operating unit, Accelerator-. M. M. Swain. 1,671,169; May 29.
- Pedal switch for traffic signals, Foot-. T. A. Simons. 1,670,050; May 15.
- Pedestal. G. M. Turner. 1,673,721; June 12.
- Pedestal. R. Waggoner. Des. 75,883; July 24.
- Pedestal for combination seats and desks, Adjustable. M. L. Morgenroth. 1,667,899; May 1.
- Pedestal for display stands or similar articles. J. Sobel. Des. 74,701; Mar. 13.
- Pedestal for lamps, Supporting. A. R. Kanné. Des. 77,007; Nov. 27.
- Pedestal mounting. A. Vanderveld. 1,676,508; July 10.
- Pedestal way liner, Adjustable. D. S. Barrows. 1,667,453; Apr. 24.
- Pedograph and metatarsal-pad locator. J. L. Barth. 1,684,339; Sept. 11.
- Pedometer. R. V. Owen. 1,685,242; Sept. 25.
- Peeler, Fruit. H. Kapota. 1,667,596; Apr. 24.
- Peeler, Potato. A. Eckert. 1,695,420; Dec. 18.
- Peeling machine. F. Cunico. 1,682,600; Aug. 28.
- Peeling machine for potatoes and the like. J. T. Lindahl. 1,681,737; Aug. 21.
- Peeling machine, Pear-. C. J. Pugh. 1,669,263; May 8.
- Peeling machine, Vegetable-. C. B. McCathron. 1,664,304; Mar. 27.
- Peeling machine, Vegetable-. C. B. McCathron. 1,687,171; Oct. 9.
- Pelorus. L. A. Brinkman. 1,665,527; Apr. 10.
- Pelt or hide stretcher. J. J. Smith. 1,667,295; Apr. 24.
- Pen. F. J. Schlsier. 1,654,757; Jan. 3.
- Pen and pencil clip, Fountain-. J. Shure. 1,679,232; July 31.
- Pen and pencil holder. P. F. McAuley. 1,663,055; Mar. 20.
- Pen and watchcase, Combined fountain. A. Grabelsky. Des. 76,298; Sept. 11.
- Pen clip, Fountain-. S. M. Sager. 1,681,954; Aug. 28.
- Pen desk set, Fountain. G. E. Sweetnam and J. Oreck. 1,696,218; Dec. 25.
- Pen desk stand, Fountain-. J. A. Fremont and A. S. De Haven. 1,675,543; July 3.
- Pen-filter attachment, Fountain-. H. L. Berman. 1,670,017; May 15.
- Pen, Fountain. F. M. Ashley. 1,685,413-14; Sept. 25.
- Pen, Fountain. E. Bergquist. 1,693,171; Nov. 27.
- Pen, Fountain. N. T. Burke. 1,662,957; Mar. 20.
- Pen, Fountain. N. T. Burke. 1,695,913; Dec. 18.
- Pen, Fountain. F. C. Dell. Des. 76,181; Aug. 28.
- Pen, Fountain. C. W. Horn. 1,688,236; Oct. 16.
- Pen, Fountain. H. Köhler. 1,689,142; Oct. 23.
- Pen, Fountain. T. Kovács. 1,661,225; Mar. 6.
- Pen, Fountain. D. J. La France. 1,669,714; May 15.
- Pen, Fountain. C. E. Marshall. 1,684,402; Sept. 18.
- Pen, Fountain. R. T. Pollock. 1,657,033; Jan. 24.
- Pen, Fountain. R. T. Pollock. 1,658,940; Feb. 14.
- Pen, Fountain. G. T. Swasey. 1,687,807; Oct. 16.

- Pen, Fountain. A. Walerowicz. 1,689,569; Oct. 30.
 Pen-gripping device. H. L. Blackman and O. B. Hjorth. 1,669,036; May 8.
 Pen-gripping device. W. L. Caniff. 1,669,040; May 8.
 Pen holder, Desk fountain. H. M. Magid. 1,655,911; Jan. 10.
 Pen, Multicolor fountain. M. Alland. 1,668,621; May 8.
 Pen, Recording. G. B. Ireland. 1,683,828; Sept. 11.
 Pen-setting attachment, Automatic. M. E. Duncan. 1,695,457; Dec. 18.
 Pen stand. B. M. Shoemaker. Des. 76,357; Sept. 18.
 Pen, Writing. I. Benjamins. 1,664,501; Apr. 3.
 Pen, Writing. E. Caldwell. 1,661,746; Mar. 6.
 Pens, Device for cleaning fountain. W. Tong. 1,666,186; Apr. 17.
 Pens, Lever for self-filling fountain. L. Morrison. 1,673,579; June 12.
 Pens, Picture frame for fountain. M. Gurtov. 1,655,365; Jan. 3.
 Pencil. C. W. Boman and C. Kaiser. 1,683,235; Sept. 4.
 Pencil. F. C. Deli. 1,682,070; Aug. 28.
 Pencil. H. L. Fischer. 1,682,072; Aug. 28.
 Pencil. J. P. Lynn. 1,659,533; Feb. 14.
 Pencil. J. P. Lynn. 1,669,378; May 8.
 Pencil. J. P. Lynn. 1,684,635; Sept. 18.
 Pencil. M. E. McGill. 1,693,454; Nov. 27.
 Pencil. W. A. Sheaffer and L. J. Most. 1,675,826; July 3.
 Pencil. N. P. Sjobring. 1,679,382; Aug. 7.
 Pencil. J. Swanberg. 1,678,656; July 31.
 Pencil. F. J. Vierling. 1,664,274; Mar. 27.
 Pencil. F. J. Vierling. 1,693,099; Nov. 27.
 Pencil. F. J. Vierling and C. G. Irvine. 1,693,100; Nov. 27.
 Pencil. E. W. Wilson. 1,663,742; Mar. 27.
 Pencil and eraser therefor. M. Alland. 1,692,483; Nov. 20.
 Pencil and miscellaneous holder, Combined. C. D. Thompson. 1,658,310; Feb. 7.
 Pencil, Automatic. H. C. Spindler. 1,671,212; May 29.
 Pencil carrier. G. W. Goodridge. 1,677,767; July 17.
 Pencil. Cartridge-loading magazine. A. Fleming. 1,673,069; June 12.
 Pencil case. A. Johnstone. 1,689,390; Oct. 30.
 Pencil clip. H. S. Johnson. 1,690,980; Nov. 6.
 Pencil compass, Folding. A. J. Keaney. 1,674,726; June 26.
 Pencil container and lead magazine, Combination. A. F. Gaidos. 1,677,387; July 17.
 Pencil, Counter. A. T. Winquist. 1,659,901; Feb. 21.
 Pencil, Decorative. H. C. Kaiser. 1,670,362; May 22.
 Pencil, Eyebrow. E. D. Payne. 1,693,990; Dec. 4.
 Pencil, Finger-tip. E. Gregory. 1,678,505; July 24.
 Pencil gripper. B. M. Palmer. 1,674,259-61; June 19.
 Pencil, Heat. G. W. Blackburn. 1,656,690; Jan. 17.
 Pencil holder. F. L. Morgan. Des. 76,034; Aug. 14.
 Pencil holder and pocket clip. L. S. Harvey. 1,672,382; June 5.
 Pencil holder for telephone instruments. B. J. Stevens. 1,660,533; Feb. 28.
 Pencil, Lead. G. W. Brown. 1,664,058; Mar. 27.
 Pencil, Lead. W. F. Haack. 1,655,417; Jan. 10.
 Pencil, Lead. F. E. Mayol. 1,669,342; May 8.
 Pencil, Magazine. A. F. Bumpus. 1,657,107; Jan. 24.
 Pencil, Magazine. M. H. Caldwell and I. Green. 1,666,405; Apr. 17.
 Pencil, Magazine. A. Fleming. 1,674,357; June 19.
 Pencil, Magazine. F. Partos. 1,685,374; Sept. 25.
 Pencil, Magazine. J. Straka. 1,693,577-9; Nov. 27.
 Pencil, Magazine lead. F. E. Mayol. 1,691,981; Nov. 20.
 Pencil, Mechanical. C. R. Keeran. 1,694,945; Dec. 11.
 Pencil, Mechanical. J. Straka. 1,677,415; July 17.
 Pencil, Mechanical. J. C. Wahl. 1,693,580; Nov. 27.
 Pencil, Writing. R. E. Power. Des. 74,519; Feb. 21.
 Pencil, Writing and drawing. J. E. Platon. 1,657,408; Jan. 24.
 Pencils, Clutch. E. Caldwell. 1,676,250; July 10.
 Pendant crossing guard with deflector. A. M. Devereux. 1,669,695; May 15.
 Pendant, Pull-chain. W. J. Gagnon. Des. 74,423; Feb. 14.
 Pendulum lens apparatus. S. A. Eskilson. 1,689,623; Oct. 30.
 Pendulum level. H. Crumbach and H. C. Maxwell. 1,654,964; Jan. 3.
 Penetrator and shell for piles, Composite. L. Pierce. 1,675,663; July 3.
 Penholder. P. Z. Blosser. Des. 75,772; July 17.
 Penholder. N. C. Stark. 1,659,579; Feb. 21.
 Penholder and calendar, Combined. C. Horix. Des. 75,914; July 31.
 Penholder support. W. Guyot. Des. 76,794; Nov. 6.
 Penknife. F. Waiwai. 1,687,958; Oct. 16.
 Pentaerythrite, Preparing. H. A. Aaronson. 1,678,623; July 24.
 Perambulator. E. Checconi. 1,666,439; Apr. 17.
 Perambulator. D. F. Larkin. 1,667,041; Apr. 24.
 Perambulator and the like. F. H. Headley. 1,687,726; Oct. 16.
 Percentage feeder. B. Neal and G. H. Hebebrand. 1,694,484; Dec. 11.
 Perch for preventing bird trouble in connection with electrical transmission lines, Insulated. A. O. Austin. 1,685,663; Sept. 25.
 Percolator. F. F. Forshee. Des. 75,229-31; May 22.
 Percolator. C. P. Randolph. 1,684,242; Sept. 11.
 Percolator. W. A. Rankin. 1,696,451; Dec. 25.
 Percolator. J. N. Routsos. 1,680,571; Aug. 14.
 Percolator, Coffee. H. C. Biette. 1,681,656; Aug. 21.
 Percolator, Coffee. H. H. Schott. Des. 75,749; July 10.
 Percolator, Coffee. H. H. Schott. Des. 75,751; July 10.
 Percolator, Coffee. R. Watson. 1,678,543; July 24.
 Percolator, Coffee. R. H. Wentorf and R. N. Kircher. 1,674,270; June 19.
 Percolator, Electric. W. S. Bremer. 1,659,561; Feb. 21.
 Percolator, Enamelled electric. V. Watts. 1,694,570; Dec. 11.
 Percolator, Gravy. L. G. Laun. 1,687,099; Oct. 9.
 Percolator top. W. F. Conradt. 1,695,918; Dec. 18.
 Percussive drill, Fluid-pressure. E. W. Stevens. 1,668,830; May 8.
 Perforating casings. R. C. Woodward. 1,693,011; Nov. 27.
 Perforating device, Paper-. F. J. Kline. 1,692,779; Nov. 20.
 Perforating inscriptions, ornamentations, or the like on sheet material, Apparatus for. J. Levy. 1,692,454; Nov. 20.
 Perforating laminated fabrics, Method of and machine for. J. I. Haase. 1,689,133; Oct. 23.
 Perforating machine. J. W. Barna and N. A. Thomas. 1,672,874; June 12.
 Perforating machine, Check-. J. H. Davis. 1,689,995; Oct. 30.
 Perforating mechanism, Paper-. D. W. Hudson. 1,690,410; Nov. 6.
 Perforator. W. S. Jones and H. U. Baker. 1,685,492; Sept. 25.
 Perforator, Bottle-nipple. E. A. Young. 1,688,258; Oct. 16.
 Perforator, Casing. M. S. Black. 1,683,858; Sept. 11.
 Performing pressing operations, Apparatus for. C. Bollinger. 1,690,398; Nov. 6.
 Performing pressing operations, Apparatus for. G. A. Penack. 1,690,457; Nov. 6.
 Perfume container. C. L. Marcus. Des. 74,617; Mar. 6.
 Perfume dispenser. F. Le Boeuf. 1,670,458; May 22.
 Perfume-vending machine. S. M. Coffman. 1,659,857; Feb. 21.
 Perimeter. C. E. and G. R. Ferree. 1,693,979; Dec. 4.
 Perimetric feed for tumbling mills. N. L. Hall. 1,671,283; May 29.
 Periscopic apparatus for range finding, height finding. J. W. French. 1,673,320; June 12.
 Permanent mold. J. Spousta. 1,663,642; Mar. 27.
 Permanent mold. J. T. Warner. 1,688,602; Oct. 23.
 Permanent-wave apparatus. A. L. Burleson, and N. P. Samantas. 1,665,253; Apr. 10.
 Permanent-wave clip. F. A. Pearl. 1,678,352; July 24.
 Permanent-wave pad. F. Kunin. 1,659,490; Feb. 14.
 Permanent wave, Producing a. A. H. Sexton. 1,673,022; June 12.
 Permanent waver. T. M. Reynolds. 1,686,575; Oct. 9.
 Permanent waves, Method and apparatus for producing. F. Grieser. 1,658,082; Feb. 7.
 Permanent waves, Method of and apparatus for forming. E. N. Hall. 1,678,983; July 31.
 Permanent-waving machine. M. S. Joyner. 1,693,515; Nov. 27.
 Permutation lock. H. A. Barrett. 1,695,080; Dec. 11.
 Permutation lock. A. Enos. 1,682,171; Aug. 28.
 Permutation lock. F. J. Hanna. 1,670,448; May 22.
 Permutation lock. S. Nichin. 1,655,840; Jan. 10.
 Permutation lock. W. E. Tait. 1,660,822; Feb. 28.
 Permutation lock. R. K. Winning and J. R. Thorp. 1,655,002; Jan. 3.
 Peroxide of hydrocarbon and making the same. A. S. Ramage. 1,689,599; Oct. 30.
 Perspiration-proof device for hats, caps, and the like. H. J. Millard. 1,664,307; Mar. 27.
 Perylene, Manufacture of. C. H. Marschalk. 1,684,738; Sept. 18.
 Perylenes, Manufacture of highly-chlorinated. A. Zinke and K. Funke. 1,681,077; Aug. 14.
 Pessary. D. S. Joslyn. 1,662,925; Mar. 20.
 Petrol and other liquids, Apparatus for delivering measured quantities by volume of. C. Chambers. 1,657,992; Jan. 31.
 Petrolatum from oils, Removal of. C. Zweig. 1,694,090; Dec. 4.
 Petroleum-cracking process and apparatus. J. J. Jakosky. 1,689,590; Oct. 30.
 Petroleum, Distillation of. E. W. Isom. 1,683,135; Sept. 4.
 Petroleum emulsions, Breaking. M. De Groote. 1,660,000-2; Feb. 21.
 Petroleum emulsions, Breaking. M. De Groote. 1,660,003-5; Feb. 21.
 Petroleum emulsions, Breaking. M. De Groote and W. C. Adams. 1,656,622-3; Jan. 17.
 Petroleum emulsions, Breaking. M. De Groote and W. C. Adams. 1,659,993-7; Feb. 21.
 Petroleum emulsions, Breaking. E. H. Keiser. 1,659,998; Feb. 21.
 Petroleum emulsions, Breaking. C. H. M. Roberts. 1,659,999; Feb. 21.
 Petroleum, Extracting. J. L. Rich. 1,679,683; Aug. 7.
 Petroleum, Fractional distillation of. J. E. Bell. 1,683,150; Sept. 4.

- Petroleum from rubber scrap or vulcanized-rubber waste. Preparing artificial. H. Nishida and K. Shinada. 1,680,908; Aug. 14.
- Petroleum hydrocarbons, Converting. W. M. Cross. 1,666,119; Apr. 17.
- Petroleum hydrocarbons, Purifying and decolorizing. A. Oberle. 1,674,020; June 19.
- Petroleum hydrocarbons, Refining of. P. McMichael. 1,655,069; Jan. 3.
- Petroleum hydrocarbons with alcohol, Apparatus for the fractional extraction of. T. A. Werkenthin. 1,680,353; Aug. 14.
- Petroleum hydrocarbons with alcohol, Fractional extraction of. T. A. Werkenthin. 1,680,352; Aug. 14.
- Petroleum oil, Cracking. G. Egloff. 1,679,208; July 31.
- Petroleum oil, Cracking. G. Egloff. 1,688,861; Oct. 23.
- Petroleum oil, Desulphurizing and purifying. R. Cross. 1,654,581; Jan. 3.
- Petroleum oil, Method and apparatus for treating. A. D. David. 1,655,596; Jan. 10.
- Petroleum oil, Process and apparatus for treating. G. Egloff. 1,682,744; Sept. 4.
- Petroleum oils, Method and apparatus for distilling. J. E. Bell. 1,683,151; Sept. 4.
- Petroleum oils, Refining of. P. McMichael. 1,655,068; Jan. 3.
- Petroleum, Process and apparatus for cracking. L. J. Gary. 1,676,895; July 10.
- Petroleum products, Pyrogenesis of. F. A. Howard. 1,676,694; July 10.
- Petroleum, Winning. A. Ehrat. 1,660,187; Feb. 21.
- Petroleum, Treating. W. W. Gary. 1,677,440; July 17.
- Photograph. W. K. Cadman. 1,683,952; Sept. 11.
- Pharmaceutical compound. W. Kropp. 1,675,500; July 3.
- Pharmaceutical compound. W. Schulemann and K. Meisenburg. 1,690,796; Nov. 6.
- Pharmaceutical preparations and making same. W. Schoeller and K. Schmidt. 1,693,055; Nov. 27.
- Pharmaceutical product. F. Müller. 1,655,795; Jan. 10.
- Pharmaceutical product. W. J. Pope. 1,692,698; Nov. 20.
- Pharmaceutical product. W. Schoeller, A. Feldt, M. Gehrke, and E. Borgwardt. 1,663,390; Mar. 20.
- Pharmaceutical product. W. Schoeller, A. Feldt, M. Gehrke, and E. Borgwardt. 1,667,052; Apr. 24.
- Pharmaceutical products. W. Schoeller, A. Feldt, M. Gehrke, and E. Borgwardt. 1,685,341; Sept. 25.
- Pharmaceutical products. W. Schoeller, A. Feldt, M. Gehrke, and E. Borgwardt. 1,685,342; Sept. 25.
- Phase-balancing system. C. L. Fortescue. 1,658,980; Feb. 14.
- Phase-balancing system. J. Slepian. 1,658,906; Feb. 14.
- Phase-balancing system. J. Slepian. 1,658,948; Feb. 14.
- Phase converter for converting alternating current, Rotary. M. Schenkel. 1,669,576; May 15.
- Phase indicator. R. D. Duncan, jr., S. Isler, and S. A. Barone. 1,669,159; May 8.
- Phase indicator and determining the phase relation of alternating currents. W. A. Kates. 1,695,850; Dec. 18.
- Phase-regulating system. H. Nyquist. 1,683,725; Sept. 11.
- Phase shifter. I. Shapiro. 1,667,497; Apr. 24.
- Phenol-formaldehyde condensation products, Preparing. G. Petroff and P. Sbestakoff. 1,684,142; Sept. 11.
- Phenol resin and making same. F. Groff. 1,693,112; Nov. 27.
- Phenol resin and making the same. C. J. Romieux. 1,669,674; May 15.
- Phenolic resins, Continuous preparation of. V. H. Turkington. 1,660,403; Feb. 28.
- Phenolphthalein and making same, Finely-divided. E. B. Putt. 1,693,666; Dec. 4.
- Phenols and aldehydes, Hardening the products of condensation of. L. Deutsch and I. Thorn. 1,678,108; July 24.
- Phenols and aldehydes, Producing light-colored and color-fast, hard, infusible, and insoluble products of condensation of. L. Deutsch and I. Thorn. 1,678,107; July 24.
- Phenols, Manufacture of sulphurized derivatives of. E. Kraus. 1,690,640; Nov. 6.
- Phenyl-azo-alpha-alpha-diamino-pyridine dihydrochlorides and obtaining the same. I. Ostromislensky. 1,680,111; Aug. 7.
- Phenyl glycine or compounds thereof, Manufacture of. G. Imbert. 1,668,964; May 8.
- Phenylthiolyguanidine, Making. R. V. Heuser. 1,669,242; May 8.
- Phonodyne. E. Hopkins. 1,684,129; Sept. 11.
- Phonograph. R. Y. Barrows and H. P. Curtis. 1,690,267; Nov. 6.
- Phonograph. B. E. Cover. 1,656,424; Jan. 17.
- Phonograph. G. J. Dietrich. 1,655,360; Jan. 3.
- Phonograph. I. Hosoi. 1,683,670; Sept. 11.
- Phonograph. H. J. Küchenmeister. 1,663,664; Mar. 27.
- Phonograph. C. K. Lyons. 1,676,101; July 3.
- Phonograph. D. D. Mounts. 1,685,433; Sept. 25.
- Phonograph and moving-picture machine, Portable combined. S. Russo. 1,655,245; Jan. 3.
- Phonograph and radio apparatus, Combined. J. W. Bishop. 1,685,394; Sept. 25.
- Phonograph and radio apparatus, Combined. J. W. Bishop and B. C. Booth. 1,695,911; Dec. 18.
- Phonograph and radio apparatus, Combined. M. Nystrom. 1,691,987; Nov. 20.
- Phonograph and radio receiving apparatus, Combined. J. W. Bishop. 1,692,797; Nov. 20.
- Phonograph apparatus, Damped. A. M. Nicolson. 1,669,170; May 8.
- Phonograph, Automatic. F. J. Seabolt. 1,679,054; July 31.
- Phonograph, Automatic and coin-controlled multiple. H. Walker. 1,671,752; May 29.
- Phonographs, Automatic stop for electrically-driven. J. Brandstetter. 1,684,084; Sept. 11.
- Phonograph cabinets, Grille for. E. M. Richards. Des. 74,391; Feb. 7.
- Phonograph circuit, Electric. J. Weinberger. 1,677,806; July 17.
- Phonograph, Electric. G. B. Burch. 1,671,508-9; May 29.
- Phonograph needle. N. H. Holland. 1,671,426; May 29.
- Phonograph-needle cup. J. Spring. 1,659,057; Feb. 14.
- Phonograph record. C. A. Hoxie. 1,669,128; May 8.
- Phonograph record and making the same. A. J. Vasselli. 1,665,759; Apr. 10.
- Phonograph-record-rotating mechanism. A. R. Davidson. 1,675,697; July 3.
- Phonograph records, Recording. W. W. McLaren. 1,673,462; June 12.
- Phonograph reproducer, Electrical. C. F. Goudy. 1,681,897; Aug. 21.
- Phonograph system. J. P. Maxfield. 1,661,539; Mar. 6.
- Phonographic copying machine. A. W. Caps and I. E. Leininger. 1,692,544; Nov. 20.
- Phonographs, Repeating and stopping attachment for. F. H. Adams. 1,655,081; Jan. 3.
- Phonographs, Repeating attachment for. W. B. Fageol. 1,673,235; June 12.
- Phonographs, Sound transmission for. H. D. Penney. 1,660,272; Feb. 21.
- Phoropterometer, Dynamic. C. E. H. Armbruster. 1,657,601; Jan. 31.
- Phosphate and its manufacture, Saline tri-sodium. C. F. Booth, A. B. Gerber, and P. Logue. 1,688,112; Oct. 16.
- Phosphate and process. E. W. Thornton. 1,689,697; Oct. 30.
- Phosphate rock, Treating. G. T. Harned. 1,671,765; May 29.
- Phosphatides obtained from oil seeds and the like, Purifying. H. Bollmann. 1,667,767; May 1.
- Phosphatides, Purifying. H. Bollmann. 1,673,615; June 12.
- Phosphorus compound from animal proteids and manufacture thereof. S. Posternak. 1,690,752; Nov. 6.
- Phosphorus material. H. W. Charlton. 1,662,489; Mar. 13.
- Photo-composing machine. A. T. Koppe. 1,682,845; Sept. 4.
- Photo copying apparatus. W. Sack. 1,688,059; Oct. 16.
- Photo-electric call response, Amplification of. R. K. Potter. 1,692,904; Nov. 27.
- Photo-electric cell. S. Ruben. 1,694,190; Dec. 4.
- Photoelectric cell. W. S. Smith and N. W. McLachlan. 1,668,383; May 1.
- Photo-electric cell. V. K. Zworykin. 1,677,316; July 17.
- Photo-engraving, High-light process for. F. J. M. Gerland. 1,670,195; May 15.
- Photo-engraving plates, Mounting. H. J. Coleman. 1,687,266; Oct. 9.
- Photogrammatic plotting apparatus. A. Barr and W. Straud. 1,655,306; Jan. 3.
- Photograph and making the same. S. E. Sheppard. 1,676,580; July 10.
- Photograph and method of and apparatus for the photography of composite pictures, Binocular composite. A. Ames, jr. 1,673,793; June 19.
- Photograph and producing same, Color. L. D. Mannes and L. Godowsky, jr. 1,659,148; Feb. 14.
- Photograph-enlarging light box. C. L. Beal. 1,675,783; July 3.
- Photograph interpreter, Aerial. D. M. Reeves. 1,693,527; Nov. 27.
- Photograph or film and producing same, Color. F. E. Ives. 1,655,182; Jan. 3.
- Photograph or film and producing same, Color. F. E. Ives. 1,695,284; Dec. 18.
- Photographic and etching process and product. M. C. Beebe. 1,655,127; Jan. 3.
- Photographic apparatus. M. Breslauer. 1,678,460; July 24.
- Photographic apparatus. F. T. Powers. 1,658,057; Feb. 7.
- Photographic button. R. E. Olsen. 1,665,605; Apr. 10.
- Photographic color process, Apparatus for. J. G. Capstaff. 1,687,055; Oct. 9.
- Photographic color processes, Apparatus for. M. W. Seymour. 1,689,258; Oct. 30.
- Photographic-copying machine. A. W. Caps. 1,696,381; Dec. 25.
- Photographic developers, Preparation of. P. Schestakoff. 1,663,959; Mar. 27.
- Photographic developing, fixing, and washing apparatus. H. R. McKellar. 1,661,378; Mar. 6.
- Photographic device. A. S. Howell. 1,675,555; July 3.
- Photographic exposure calculator. J. R. Hewett. 1,664,818; Apr. 3.
- Photographic film. F. F. Renwick. 1,680,635-6; Aug. 14.
- Photographic film and film base therefor, Antistatic. P. C. Seel. 1,687,042; Oct. 9.
- Photographic film and film base therefor, Nonstatic. P. C. Seel. 1,687,041; Oct. 9.

- Photographic-film cartridge. B. A. Slocum. 1,665,481; Apr. 10.
- Photographic film or plate rack. M. Romanowicz and J. Romanowicz. 1,682,628; Aug. 28.
- Photographic-film package. B. A. Slocum. 1,694,401; Dec. 11.
- Photographic-film reel and manufacturing the same. A. S. Howell. 1,665,207; Apr. 10.
- Photographic-film strips, Developing apparatus for. A. M. Josepho. 1,656,522; Jan. 17.
- Photographic-film strips, Edge-fog preventive for. G. Lowkrantz. 1,688,050; Oct. 16.
- Photographic light-sensitive material and making the same. S. E. Sheppard. 1,678,832; July 31.
- Photographic lighting apparatus. C. W. Bhsys. 1,672,597; June 5.
- Photographic machine, Coin-controlled. G. A. Svanberg. 1,680,709; Aug. 14.
- Photographic machines, Electrical control mechanism for. A. M. Josepho. 1,671,588; May 29.
- Photographic medium and process. M. C. Beebe, A. Murray, and H. V. Herlinger. 1,658,510; Feb. 7.
- Photographic mounts, Package for. H. L. Batty. 1,676,238; July 10.
- Photographic objectives, Mount for. E. Wandersleb. 1,661,279; Mar. 6.
- Photographic-plate-changing means. J. W. Ludowici. 1,670,861; May 22.
- Photographic plates, films, and the like for indirect three-color photography, Production of. E. A. Lage. 1,683,560; Sept. 4.
- Photographic-print-drying apparatus. J. S. Greene. 1,683,883; Sept. 11.
- Photographic printer. V. J. Dunker. 1,693,891; Dec. 4.
- Photographic-printing and other machines, Precision adjusting and registering mechanisms for. W. C. Huebner. 1,668,592; May 8.
- Photographic-printing frame. H. C. Jones. 1,663,662; Mar. 27.
- Photographic-printing machine. B. D. Chamberlin. 1,666,052; Apr. 10.
- Photographic-printing machine. A. K. Chapman. 1,666,053; Apr. 10.
- Photographic-printing machine. D. MacKenzie. 1,668,856; May 8.
- Photographic prints, Producing colored. E. H. Farmer. 1,669,869; May 15.
- Photographic reproduction of books, drawings, and the like for reprints. M. Breslauer. 1,656,138; Jan. 10.
- Photographic reproduction of objects in their natural colors or in monochrome. S. M. Phelps. 1,673,300; June 12.
- Photographic reproductions, Apparatus for making. E. F. Kinzler. 1,676,033; July 3.
- Photographic shutter. T. M. Brueck. 1,678,179; July 24.
- Photographic shutter. T. M. Brueck. 1,696,264; Dec. 25.
- Photographic shutter. R. Klein. 1,662,827; Mar. 20.
- Photographic shutter. R. Klein. 1,678,119; July 24.
- Photographic shutter. W. A. Riddell. 1,663,178; Mar. 20.
- Photographic shutter. A. Wollensak. 1,663,326; Mar. 20.
- Photographic silver halid emulsions, Manufacturing. W. Dieterle, O. Matthies, and J. Reitsstötter. 1,667,589; Apr. 24.
- Photographic silver halide emulsions and products obtained thereby, Manufacturing. O. Matthies, P. Wulff, W. Dieterle, and B. Wendt. 1,673,522; June 12.
- Photographic silver image layers, Reducing. P. Plagwitz. 1,656,235; Jan. 17.
- Photographic transfer. E. jr. and W. Blum. 1,662,632; Mar. 13.
- Photographic vignetter, Adjustable. A. S. Howell. 1,682,127; Aug. 28.
- Photographing and developing apparatus. G. C. Beidler. 1,664,729; Apr. 3.
- Photographing machine, Automatic. G. N. Pifer. 1,682,931; Sept. 4.
- Photographing quick motions, Apparatus for. F. Duda. 1,661,034; Feb. 28.
- Photographs, Producing composite. R. J. Pomeroy. 1,673,019; June 12.
- Photographs, Production of colored. W. F. Fox. 1,685,281; Sept. 25.
- Photography. H. C. J. Deeks. 1,669,506; May 15.
- Photography. N. Sulzberger. 1,658,177; Feb. 7.
- Photography. E. A. Weaver. 1,677,665; July 17.
- Photography and the like, Color. A. Hamburger. 1,695,045; Dec. 11.
- Photography, Color. W. V. D. Kelley. 1,674,175; June 19.
- Photography, Color. W. V. D. Kelley and D. Tronolone. 1,674,174; June 19.
- Photography, Color. C. L. Treleven. 1,696,739; Dec. 25.
- Photography, Image-modifying apparatus for. A. Ames, jr. 1,691,366; Nov. 13.
- Photography or cinematography, Color. L. Dufay. 1,673,350; June 12.
- Photography, Stereoscopic color. C. and E. Müller. 1,657,270; Jan. 24.
- Photography, E. Straub. 1,656,843; Jan. 17.
- Photomechanical machine. H. C. Jones. 1,656,979; Jan. 24.
- Photometer, Photoelectric. C. J. Young. 1,672,671-2; June 5.
- Photometer, Rotating-disk. C. W. Keuffel. 1,682,528; Aug. 28.
- Photophonographic apparatus. B. E. Eldred. 1,655,811; Jan. 10.
- Photo-telescopic apparatus, Electrical. P. L. Clark. 1,678,974; July 31.
- Physiologically-active substances from ovaries, corpus luteum, and placenta, Manufacture of. M. Hartmann. 1,690,932; Nov. 6.
- Physiologically-active substances from organs, Manufacture of. W. Merkl. 1,692,509; Nov. 20.
- Piano. C. E. Blalack and G. H. Eckstein. 1,664,587; Apr. 3.
- Piano. J. T. Mayer, E. Levis, and H. Schum. 1,687,028; Oct. 9.
- Piano. F. S. Muckey. 1,694,789; Dec. 11.
- Piano. P. H. Taylor. 1,679,187; July 31.
- Piano actions, Bridle for. H. E. Chute. 1,663,538; Mar. 27.
- Piano, Automatic player. C. F. Stoddard. 1,681,889; Aug. 21.
- Piano case. C. E. Byrne. Des. 76,733; Oct. 30.
- Piano case. J. J. Opelt. 1,682,767; Sept. 4.
- Piano case and writing desk, Combined. W. E. Janssen. Des. 76,483; Oct. 2.
- Piano construction. H. Paley. 1,690,549; Nov. 6.
- Piano control, Pneumatic. O. Ballard. 1,661,318; Mar. 6.
- Piano, Electrical sostenuto. S. Cooper. 1,681,635; Aug. 21.
- Piano fall board. S. Battner. 1,665,653; Apr. 10.
- Piano, Golden harp. C. W. Pressley. Des. 75,870; July 24.
- Piano, Grand. W. G. Betz. 1,686,726; Oct. 9.
- Piano, Grand. W. Weiser. 1,689,467; Oct. 30.
- Piano, Grand. W. Zaiser. Des. 74,529-35; Feb. 21.
- Piano, Grand. W. Zaiser. Des. 74,770-2; Mar. 20.
- Piano, Grand. W. Zaiser. Des. 76,336; Sept. 11.
- Piano hammer heads, Repair attachment for. R. R. Bode. 1,672,297; June 5.
- Piano insulator. C. Gebhard. 1,670,853; May 22.
- Piano keyboard, Foldable pocket. A. Raab. 1,665,563; Apr. 10.
- Piano-key mounting. W. A. Goble. 1,686,210; Oct. 2.
- Piano leg, Grand. W. Zaiser. Des. 74,773-5; Mar. 20.
- Piano, Player. C. Gulbransen. 1,686,153; Oct. 2.
- Piano, Player. F. C. White. 1,682,651; Aug. 28.
- Piano, Player flute. R. R. Leal. 1,659,467; Feb. 14.
- Piano, Player grand. W. B. Tunstall. 1,682,869; Sept. 4.
- Piano, Upright. V. Bessier. 1,679,290; July 31.
- Pianos, Adjustable player attachment for. F. C. White. 1,682,877; Sept. 4.
- Pianos, Mechanical construction of. G. Lyon. 1,687,984; Oct. 16.
- Pianos. Striker device for player. C. T. Stephens. 1,680,820; Aug. 14.
- Pianos, Tracker-tube support for player. E. A. Huseby. 1,676,781; July 10.
- Pianos, Wireless receiving installation for grand. J. Hattemer and L. C. Kauling. 1,681,584; Aug. 21.
- Pianoforte. R. H. Collen. 1,664,191; Mar. 27.
- Pianoforte. R. H. Collen. 1,690,925; Nov. 6.
- Pianoforte action. F. W. Waggett. 1,656,548; Jan. 17.
- Pick and guard, Ice. S. M. Kass. 1,679,666; Aug. 7.
- Pick, Ice. J. N. Edelin. 1,680,774; Aug. 14.
- Pick, Miner's. T. B. Scenter. 1,668,252; May 1.
- Pick-up iron. E. J. Shaffer. 1,687,520; Oct. 16.
- Picker: See—
- Cotton picker. Two-section picker.
- Fruit picker.
- Picker. T. W. Allen and W. F. Bokum. 1,672,704; June 5.
- Picker and bagger, Potato. P. Dahlman. 1,682,554; Aug. 28.
- Picker stick. J. A. Hinrichs. 1,677,088; July 10.
- Picker-stick check. A. Hingle. 1,666,822; Apr. 17.
- Picker-stick check. W. T. Whitaker. 1,660,245; Feb. 21.
- Picker-stick clamp. J. J. Smith. 1,690,843; Nov. 6.
- Picker-stick mechanism. E. L. Fox, jr. 1,661,470; Mar. 6.
- Picker-stick motion, Parallel. E. E. Talbot. 1,674,809; June 26.
- Picking and separating cotton from foreign materials, Mechanism for. L. E. Wirth. 1,670,674; May 22.
- Picking machine, Cotton-. G. E. Boggs. 1,691,146; Nov. 13.
- Picking poultry, Device for. H. G. Huey and D. Y. Pierson. 1,662,972; Mar. 20.
- Picking table. R. G. Miller. 1,654,694; Jan. 3.
- Picks and pick looms, Cutting and clamping mechanism for. A. A. Gordon. 1,663,941; Mar. 27.
- Pickling apparatus. W. J. Cook. 1,656,693; Jan. 17.
- Pickling apparatus. W. J. Cook. 1,668,355; May 1.
- Pickling apparatus. J. W. Millard. 1,656,528; Jan. 17.
- Pickling machine. C. G. Miller and C. F. Cleveland. 1,664,428; Apr. 3.
- Pickling machine. C. G. Miller and C. F. Cleveland. 1,687,844; Oct. 16.
- Picture. M. P. Power. 1,658,301; Feb. 7.
- Picture and sound-reproducing machine, Moving-. A. D. Bixey. 1,674,946; June 26.
- Picture and target apparatus, Motion-. G. A. Kerestes. Re16,890; Feb. 28.
- Picture apparatus, Motion-. A. R. Clas. 1,681,723; Aug. 21.

- Picture apparatus, Motion-. A. S. Howell. 1,680,295; Aug. 14.
- Picture apparatus, Motion-. F. H. Owens. 1,684,968; Sept. 18.
- Picture apparatus, Motion-. J. Tessier. 1,658,361; Feb. 7.
- Picture apparatus, Motion-. W. L. Wright. 1,688,607; Oct. 23.
- Picture apparatus, Panoramic-moving-. C. Cerqua. 1,680,498; Aug. 14.
- Picture apparatus, Speed control for motion. P. W. Tierney. 1,661,741; Mar. 6.
- Picture apparatus, Storage magazine for motion-. E. L. Delano and G. L. Furlong. 1,657,154; Jan. 24.
- Picture apparatus, Talking-motion-. J. Merzon. 1,675,122; June 26.
- Picture block, Interchangeable panoramic. G. W. Eschenbach. 1,676,641; July 10.
- Picture book, Moving-. R. A. Loederer. 1,665,747; Apr. 10.
- Picture-cord hood and ornament. A. Maskow. 1,657,088; Jan. 24.
- Picture device and method of manufacture, Animated-. W. Hermann. 1,660,840; Feb. 28.
- Picture display, Animated-. J. T. Beechlyn. 1,689,102; Oct. 23.
- Picture-displaying apparatus. E. Didcote. 1,657,347; Jan. 24.
- Picture-displaying apparatus. E. Didcote. 1,687,709; Oct. 16.
- Picture film strip, Motion-. F. W. Lovejoy. 1,687,100; Oct. 9.
- Picture film strip, Motion-. A. F. Sulzer. 1,687,044; Oct. 9.
- Picture film strip, Motion-. E. C. Van Doorn. 1,687,048; Oct. 9.
- Picture films, Making motion-. J. F. Seitz. Re17,125; Nov. 6.
- Picture frame. E. H. Boese. Des. 74,654; Mar. 13.
- Picture frame. H. Hauck. Des. 75,365; May 29.
- Picture frame. J. and M. Pelletier. Des. 76,820; Nov. 6.
- Picture frame. J. M., and M. D. Pelletier. Des. 76,953; Nov. 20.
- Picture frame. C. G. Rentos. 1,694,755; Dec. 11.
- Picture frame or similar article. L. W. Rice. Des. 76,704; Oct. 23.
- Picture frames, Antimarriage means for. S. Sterling. 1,675,771; July 3.
- Picture hanger. A. Campos. 1,676,131; July 3.
- Picture holder. W. J. Helmquest. 1,679,083; July 31.
- Picture in conjunction with a series of symbols for conveying related ideas, Displaying a fixed. H. Dock. 1,661,033; Feb. 28.
- Picture-machine attachment, Moving-. E. R. Winslow. 1,658,149; Feb. 7.
- Picture-machine casing. W. Rabkin. Des. 74,698; Mar. 13.
- Picture machine, Motion-. W. A. Kosken. 1,672,222; June 5.
- Picture machine, Talking-. T. W. Case. Re16,910; Mar. 20.
- Picture machine, Talking-moving-. L. de Forest. 1,695,414; Dec. 18.
- Picture machines, Fire stop or trap for motion-. D. A. Raymond. 1,682,627; Aug. 28.
- Picture machines, Framing light for moving-. W. C. Smith. 1,669,427; May 15.
- Picture machines, Shutter for moving-. F. E. Oiler. 1,673,120; June 12.
- Picture machines, Signaling device for motion-. A. Costa. 1,658,707; Feb. 7.
- Picture machines, Slot cleaner for phonofilm attachments for motion-. L. de Forest. 1,659,910; Feb. 21.
- Picture mechanism, Motion-. O. Wittel. 1,676,594; July 10.
- Picture, Moving. W. A. Kosken. 1,673,250; June 12.
- Picture production, Talking-motion-. E. C. Wente. 1,656,255; Jan. 17.
- Picture-projecting apparatus. P. A. Nothstine. 1,656,389; Jan. 17.
- Picture-projecting apparatus, Motion-. J. Proksa. 1,660,656; Feb. 28.
- Picture-projecting machine, Motion-. J. E. Thornton. 1,655,297; Jan. 3.
- Picture-projecting machines and the like, Nonrewind take-up reel for motion. J. A. Hamm. 1,670,447; May 22.
- Picture-projecting machines, Dowser closing mechanism for motion-. T. L. Feehey and H. Godoy. 1,658,594; Feb. 7.
- Picture-projection apparatus, Motion-. M. C. Fullenlove. 1,666,131; Apr. 17.
- Picture projector, Motion-. G. J. Badgley. 1,674,629; June 26.
- Picture projector, Motion-. J. G. Capstaff. 1,672,845; June 5.
- Picture projector, Motion-. E. C. Friets. 1,676,542; July 10.
- Picture projector, Motion-. N. B. Green. 1,690,633; Nov. 6.
- Picture projector, Motion-. H. C. Wellman. 1,694,110-11; Dec. 4.
- Picture projector, Motion-. O. Wittel. 1,661,743; Mar. 6.
- Picture projector, Motion-. T. F. Yagle. 1,667,645; Apr. 24.
- Picture projector, Portable motion-. H. A. de Vry. 1,667,724; May 1.
- Picture projectors, Attachment for moving-. G. Mayer. 1,658,454; Feb. 7.
- Picture projectors, Lamp-house and film-gate construction for motion-. C. B. Hall. 1,668,589; May 8.
- Picture screen. A. Payne. 1,672,656; June 5.
- Picture screen. J. M. Shay. 1,686,880; Oct. 9.
- Picture screen, Motion-. A. Stuber and E. E. Underwood. 1,690,600; Nov. 6.
- Picture strip, Motion-. H. C. Bullis. 1,679,708; Aug. 7.
- Picture, Talking motion. T. J. Engel. 1,654,926; Jan. 3.
- Picture transmission. H. E. Ives. 1,695,048; Dec. 11.
- Picture transmission. C. F. Jenkins. 1,693,508; Nov. 27.
- Picture transmission, Method and apparatus for. A. Weaver. 1,689,267; Oct. 30.
- Picture-transmission system. E. P. Bancroft, J. C. Burkholder, jr., and W. A. Phelps. 1,659,716; Feb. 21.
- Picture transmission, System of. A. B. Clark and D. K. Gannett. 1,661,167; Mar. 6.
- Picture transmission, System of. L. Sémat. 1,673,209; June 12.
- Picture-transmitting system. H. Nyquist. 1,670,375; May 22.
- Picture-transmitting system. H. Nyquist. 1,680,390; Aug. 14.
- Picture-transmitting system. E. F. Watson and A. Weaver. 1,664,652; Apr. 3.
- Picture-transmitting system, Electrical. A. B. Clark, N. Nyquist, and D. K. Gannett. 1,691,147; Nov. 13.
- Picture-viewing apparatus, Stereoscopic. L. Hammond. 1,653,439; Feb. 7.
- Pictures and sending plate therefor, Transmitting. M. Ferree and J. Wissmar. 1,689,666; Oct. 30.
- Pictures and the like, Reproducing. F. D. Livermore. 1,668,686; May 8.
- Pictures, Apparatus for the electrical transmission of. O. von Bronk. 1,670,757; May 22.
- Pictures by electricity, Transmission of. H. E. Ives. 1,656,915; Jan. 24.
- Pictures by electricity, Transmission of. H. E. Ives. 1,659,570; Feb. 21.
- Pictures by electricity, Transmission of. H. E. Ives. 1,667,805; May 1.
- Pictures by electricity, Transmission of. H. E. Ives and M. B. Long. 1,691,071; Nov. 13.
- Pictures in colors, Producing printed. L. W. Bliss. 1,681,927; Aug. 28.
- Pictures, Making composite. R. J. Poterroy. 1,686,987; Oct. 9.
- Pictures, Making motion. E. Schufftan. 1,690,039; Oct. 30.
- Pictures, Method and apparatus for producing colored projected. W. L. Isbills. 1,680,619; Aug. 14.
- Pictures, Method and apparatus for producing composite motion. P. Artigue. 1,669,407; May 15.
- Pictures, Motion. W. A. Kosken. 1,673,251-2; June 12.
- Pictures, Producing color. W. V. D. Kelley. 1,667,477; Apr. 24.
- Pictures, Taking composite motion. P. W. Youngblood. 1,669,963; May 15.
- Pictures, Transmission of. J. F. Nielsen. 1,657,030; Jan. 24.
- Pictures transmitted electrically, Reproducing. H. E. Ives. 1,683,894; Sept. 11.
- Pie-making machine. D. W. Smith. 1,671,321; May 29.
- Pie pan. M. A. Mandl. 1,670,971; May 22.
- Pier, Supporting. J. R. Freeman. 1,658,633; Feb. 7.
- Piers, breakwaters, etc., Producing subaqueous foundation. G. B. Sipe. 1,665,795; Apr. 10.
- Piers, Providing and placing. G. B. Sipe. 1,665,796; Apr. 10.
- Piercing machine. E. F. and C. G. Muller. 1,663,213; Mar. 20.
- Piercing mill. S. E. Diescher. 1,695,323; Dec. 18.
- Piezo-electric-crystal apparatus. A. M. Troegner. 1,692,063; Nov. 20.
- Piezo-electrical crystals, Method of and apparatus for rendering visible oscillations of. E. Giebe and A. Scheibe. 1,685,810; Oct. 2.
- Pigment and making same, Composite titanium. L. E. Barton and L. W. Ryan. 1,680,316; Aug. 14.
- Pigment, Titanium. J. Blumenfeld. Re16,956; May 8.
- Pigments, Manufacture of. G. C. Lewis. 1,659,403; Feb. 14.
- Pigments, Producing oiled. H. Grossman. 1,696,034; Dec. 18.
- Plaster, Extensible. S. Lowy. 1,676,616; July 10.
- Pile and making same. J. E. Conzelman. 1,681,609; Aug. 21.
- Pile-cutting machine. C. A. Robinson. 1,684,113; Sept. 11.
- Pile-elevating mechanism. W. M. Kelley. 1,689,729; Oct. 30.
- Pile fabric. G. Crossland. 1,659,626; Feb. 21.
- Pile fabric. H. P. Dick. Des. 74,171; Jan. 3.
- Pile fabric. H. P. Dick. Des. 75,478; June 12.
- Pile fabric. H. P. Dick. Des. 77,308; Dec. 25.
- Pile fabric. J. Gowan. Des. 74,563; Feb. 28.
- Pile fabric. C. S. Hamilton. Des. 74,831; Apr. 3.
- Pile fabric. C. S. Hamilton. Des. 75,237; May 22.
- Pile fabric. J. Leiper. Des. 74,935; Apr. 17.
- Pile fabric. F. W. Mostertz. 1,690,939; Nov. 6.
- Pile fabric. H. Mellor. 1,693,282; Nov. 27.
- Pile fabric. J. M. Page. Des. 75,512; June 12.

- Pile fabric. J. M. Page. Des. 76,037-8; Aug. 14.
 Pile fabric. J. P. Stroud. 1,661,018; Feb. 28.
 Pile fabric, Novelty. W. S. Stairs. 1,655,200; Jan. 3.
 Pile fabric, Woven. H. Mason. 1,688,341; Oct. 23.
 Piling. E. F. Considine. 1,691,704; Nov. 13.
 Piling. M. Howard. 1,665,462; Apr. 10.
 Piling, Connecting piece for iron sheet. K. Nolte. 1,690,499; Nov. 6.
 Piles, Apparatus for building composite. J. W. Taussig. 1,655,523; Jan. 10.
 Piles, Constructing. J. B. Goldsborough. 1,654,644; Jan. 3.
 Piles, Construction of concrete. A. Hiley. 1,686,660; Oct. 9.
 Piles in interlocked relation, Producing and placing. G. B. Sipe. 1,665,798; Apr. 10.
 Piles, Making. A. Mauterer. 1,689,678; Oct. 30.
 Piles, Producing and placing. G. B. Sipe. 1,681,883; Aug. 21.
 Pilferproof box. J. Kramer. 1,690,866; Nov. 6.
 Pillow. F. Karr. 1,694,547; Dec. 11.
 Pillow. M. McBride. Des. 74,381; Feb. 7.
 Pillowcase. J. Derk. Des. 74,865; Apr. 10.
 Pillow or cushion. I. Buchman. 1,661,690; Mar. 6.
 Pillow, Sanitary. N. Schenk. 1,680,069; Aug. 7.
 Pillow, Sleep-inducing. E. F. Murphy. 1,686,247; Oct. 2.
 Pillow, Sleeping. W. J. Blankenship. 1,664,537; Apr. 3.
 Pillows and the like, Making air. P. A. Raiche. 1,658,008; Jan. 31.
 Pilot burner. S. A. Eskilson and C. A. B. Holm. 1,666,997; Apr. 24.
 Pilot for liquid-fuel-burning apparatus. S. M. Hansen. 1,686,855; Oct. 9.
 Pilot for pump plungers, Detachable. G. R. Livergood. 1,683,683; Sept. 11.
 Pilot light. J. T. Smith. 1,665,987; Apr. 10.
 Pilot-light controller. E. L. Fonseca. 1,690,223; Nov. 6.
 Pimento roaster. A. I. Addison. 1,660,061; Feb. 21.
 Pimiento peppers for canning, Preparing. W. L. Graefe. 1,672,718; June 5.
 Pin: See—
 Bowling pin. Laundry-marking pin.
 Cotter pin. Lingerie pin.
 Coupler pin. Safety pin.
 Coupling pin. Solderless pin.
 Ferrule pin. Wear-compensating pin.
 Insulator pin. Wrist pin.
 Insulator-supporting pin.
 Pin. E. D. Frost. 1,655,994; Jan. 10.
 Pin and manufacture, Dowel. W. S. Hawker. 1,687,207; Oct. 9.
 Pincushion. E. L. Harrison. 76,237; Sept. 4.
 Pincushion, Doll. H. Abeles. Des. 74,999; May 1.
 Pincushion for sewing machines. A. J. Larson. 1,696,771; Dec. 25.
 Pin-fastening device. A. B. Colby. 1,668,102; May 1.
 Pin for coupling heads, Stop. S. L. Joiner. 1,682,282; Aug. 28.
 Pin for link chains, Connecting. W. J. Belcher. 1,673,315; July 24.
 Pin guard. T. F. Peiter. 1,670,982; May 22.
 Pin, Lubricator, Automatic crank-. E. J. Brennan. 1,658,791; Feb. 14.
 Pin or article of similar nature. P. O. Powell. Des. 76,955; Nov. 20.
 Pin or bolt, Self-locking. S. A. Crone. 1,659,992; Feb. 21.
 Pin or the like, Lapel. J. R. Colgan. Des. 75,719; July 10.
 Pin-setting machine, Automatic. J. W. Bishop. 1,692,796; Nov. 20.
 Pin-stem joint. A. E. Waller. 1,682,585; Aug. 28.
 Pin stems, Joint member for. E. Morehouse. 1,663,605; Mar. 27.
 Pin-tumbler lock. G. E. Cleaver. 1,685,022; Sept. 18.
 Pin wheel. J. S. Fridolph. Des. 77,230; Dec. 18.
 Pin wheel. J. S. Fridolph and J. B. A. Duchesneau. D's. 75,908; July 31.
 Pin wheel. G. C. Gregor. 1,669,748; May 15.
 Pinion, gear, and wheel puller, Hydraulic. D. C. Johnson. 1,668,565; May 8.
 Pinking machine. A. Dvinsky. 1,682,606; Aug. 28.
 Pipe: See—
 Casting pipe. Smoke pipe.
 Cigar-shaped pipe. Smoker's pipe.
 Concrete pipe. Smoking pipe.
 Iron pipe. Supply pipe.
 Metal pipe. Tobacco pipe.
 Repairing pipe. Welded pipe.
 Screen pipe.
 Pipe. J. T. Coyne. 1,688,959; Sept. 11.
 Pipe. A. A. Smith and I. Q. Gurnee. Des. 74,579; Feb. 28.
 Pipe and cable hanger. G. Popps. 1,670,902; May 22.
 Pipe and pipe-joint construction. W. S. Gearhart. 1,671,636; May 29.
 Pipe and plate connection. F. Oskrit. 1,691,609; Nov. 13.
 Pipe and tube bender. W. E. and H. E. Holsclaw. 1,687,210; Oct. 9.
 Pipe attachment, Tobacco-. D. O. Swan. 1,656,086; Jan. 10.
 Pipe band. C. A. Frazier. 1,684,666; Sept. 18.
 Pipe band. E. E. Fulton. 1,659,196; Feb. 14.
 Pipe-bending apparatus. G. C. Webber. 1,679,954; Aug. 7.
 Pipe-bending device. J. Sundgren. 1,664,138; Mar. 27.
 Pipe-bending machine. W. E. Robertson. 1,682,149; Aug. 28.
 Pipe-casting machine, Centrifugal. J. H. Uhrig. 1,673,028; June 12.
 Pipe clamp. M. B. Davis. 1,654,866; Jan. 3.
 Pipe clamp. M. B. Davis. 1,693,478; Nov. 27.
 Pipe clamp. G. Geiser and P. Latsch. 1,668,499; May 1.
 Pipe clamp. J. J. Tipton. 1,693,064; Nov. 27.
 Pipe clamp, Divided. S. M. Kass. 1,693,081; Nov. 27.
 Pipe cleaner. F. R. King. 1,661,759; Mar. 6.
 Pipe cleaner. G. Morgan. 1,688,874; Oct. 23.
 Pipe cleaner, Combination. W. J. Brown. 1,689,226; Oct. 30.
 Pipe cleaner, Tobacco-. S. S. Goodloe. 1,659,095; Feb. 14.
 Pipe-cleaning machine, Pneumatic. E. P. Bly. 1,657,779; Jan. 31.
 Pipe closures, Forming. P. Jackson. 1,686,562; Oct. 9.
 Pipe collar. R. A. Hughey. 1,683,548; Sept. 4.
 Pipe, conduit, or culvert unit, Sectional. C. L. Hansen. 1,683,544; Sept. 4.
 Pipe connector, Adjustable train-. E. A. Robinson. 1,689,969; Oct. 30.
 Pipe connector, Automatic train-. E. A. Robinson. 1,687,893; Oct. 16.
 Pipe connection. H. W. Clarke. 1,665,346; Apr. 10.
 Pipe connection. G. Egloff and H. P. Benner. 1,685,483; Sept. 25.
 Pipe connection for cylinder machines, Vacuum. E. E. Berry. 1,684,615; Sept. 18.
 Pipe coupling. H. D. Algrye. 1,696,134; Dec. 18.
 Pipe coupling. J. Benzon. 1,680,080; Aug. 7.
 Pipe coupling. B. M. Brownell. 1,664,848; Apr. 3.
 Pipe coupling. W. D. Himes. 1,663,702; Mar. 27.
 Pipe coupling. S. Levitt. 1,676,036; July 3.
 Pipe coupling. T. E. Mitchell. 1,673,338; June 12.
 Pipe coupling. A. J. Smith. 1,655,882; Jan. 3.
 Pipe coupling. C. E. Smith. 1,682,635; Aug. 28.
 Pipe coupling. C. R. Tillotson. 1,663,739; Mar. 27.
 Pipe coupling, Automatic train-. A. C. Harrell. 1,667,033; Apr. 24.
 Pipe coupling, Automatic train-. J. Robinson. 1,666,310; Apr. 17.
 Pipe coupling, Automatic train-. J. Robinson. 1,682,936; Sept. 4.
 Pipe coupling, Automatic train-. J. Robinson. 1,688,287; Oct. 16.
 Pipe coupling, Sheet-metal. M. Rachlin. 1,686,254; Oct. 2.
 Pipe couplings by centrifugal casting, Production of. H. Blumberg and M. A. Mikesh. 1,678,931; July 31.
 Pipe covering. W. R. Gillies. 1,661,254; Mar. 6.
 Pipe cutter. G. M. Causey and M. E. Miller. 1,695,363; Dec. 18.
 Pipe cutter. J. O. Gaffney. 1,665,089; Apr. 3.
 Pipe cutter. L. H. Goeltz. 1,679,470; Aug. 7.
 Pipe cutter. S. J. Hutchison. 1,671,528; May 29.
 Pipe cutter. C. H. Lamotte. 1,665,212; Apr. 10.
 Pipe cutter. R. F. McKay. 1,679,321; July 31.
 Pipe cutter. J. D. Merrifield. 1,679,225; July 31.
 Pipe cutter. C. C. Neblett. 1,683,912; Sept. 11.
 Pipe cutter. J. Schultheiss. 1,675,386; July 3.
 Pipe cutter, Automatic drill-. K. F. Mitchell. 1,676,569; July 10.
 Pipe cutter, Outside. I. J. McCullough. 1,672,330; June 5.
 Pipe-cutting machine. G. R. Steere and A. Hurst. 1,661,274; Mar. 6.
 Pipe, Device for cutting. J. Levy. 1,665,707; Apr. 10.
 Pipe elbows, Making. J. C. Olsen. 1,678,744; July 31.
 Pipe-engaging slip. C. R. Edwards and S. Evans. 1,691,384; Nov. 13.
 Pipe extractor, Broken-. C. S. Brown. 1,672,053; June 5.
 Pipe fitting. W. G. Dows. 1,671,816; May 29.
 Pipe fitting. W. G. Dows. 1,688,921; Oct. 23.
 Pipe fitting. A. Kehm. 1,663,271; Mar. 20.
 Pipe fitting. D. Larkin. 1,696,207; Dec. 25.
 Pipe-flange wrench. J. H. Jones. 1,677,637; July 17.
 Pipe flanges, Trimming soft-metal. P. Mueller and A. C. Schuermann. 1,677,792; July 17.
 Pipe for locomotive engines, Steam. E. E. Murray. 1,657,760; Jan. 31.
 Pipe for use in furnaces and furnace casings, Flexible suction. T. Russell. 1,675,316; June 26.
 Pipe grip. F. L. Boyd. 1,669,322; May 8.
 Pipe gripping and supporting device. W. F. Travis. 1,674,144; June 19.
 Pipe hanger. C. E. Bowers. 1,669,446; May 15.
 Pipe heater, Electric. L. P. Hynes. 1,663,255; Mar. 20.
 Pipe holder. J. R. Martin. 1,656,864; Jan. 17.
 Pipe-holding slip. L. M. Pearce. 1,659,783; Feb. 21.
 Pipe housing, Flush-. W. O. Thompson. 1,669,431; May 15.
 Pipe in wells, Device for unscrewing. D. H. Reed. 1,674,798; June 26.
 Pipe joint. B. Broido. 1,662,954; Mar. 20.
 Pipe joint. R. Hildebrand. 1,662,607; Mar. 13.
 Pipe joint. L. C. Huff. 1,665,208; Apr. 10.
 Pipe joint. E. Kennedy. 1,694,822; Dec. 11.
 Pipe joint. C. J. Kliss. 1,675,808; July 3.
 Pipe joint. A. G. Perkins. 1,664,941; Apr. 3.
 Pipe joint. J. W. Rijs. 1,658,100; Feb. 7.
 Pipe joint, Ball. C. W. Aveling. 1,671,975; June 5.

- Pipe joint, Expandable. F. Hodgkinson. 1,666,495; Apr. 17.
- Pipe joint, Flexible. E. N. Roth. 1,690,839; Nov. 6.
- Pipe joint, Flexible. B. A. Russell. 1,681,626; Aug. 21.
- Pipe joint, Flexible. E. A. Russell. 1,687,796; Oct. 16.
- Pipe joint, Flexible. E. A. Russell and E. B. Stenzel. 1,674,130; June 19.
- Pipe joint or coupling, Expansion. G. W. Perks. 1,671,161; May 29.
- Pipe joint, Universal. J. S. Reynolds. 1,669,949; May 15.
- Pipe-jointing element. W. C. Ferguson. 1,662,603; Mar. 13.
- Pipe lines against corrosion, Electro-chemical protecting of buried. R. V. Mills. 1,664,800; Apr. 3.
- Pipe lines carrying fluids, Process of and apparatus for locating obstructions in. A. Lowy. 1,662,429; Mar. 13.
- Pipe lines, Method of and apparatus for causing oil to flow through. L. W. Southgate. 1,686,475; Oct. 2.
- Pipe lines, Vacuum relief means for water. S. M. Morris. 1,655,433; Jan. 10.
- Pipe machine. T. M. Lilleberg. 1,675,182; June 26.
- Pipe, Machine for making spiral. K. J. Thorsby. 1,659,792; Feb. 21.
- Pipe, Making spiral. K. J. Thorsby. 1,659,754; Feb. 21.
- Pipe or conduit, Concrete. F. H. Sherred. 1,691,590; Nov. 13.
- Pipe or conduit elbow former. R. H. Henderson. 1,659,026; Feb. 14.
- Pipe patch clamp. O. P. Eilar. 1,677,623; July 17.
- Pipe puller. C. R. Edwards. 1,684,018; Sept. 11.
- Pipe seal. A. S. Weldy. 1,683,746; Sept. 11.
- Pipe-sealing means, Flexible. B. H. Smith. 1,682,940; Sept. 4.
- Pipe-stem cleaner. E. Tilden. 1,659,125; Feb. 14.
- Pipe strap, Leader-. D. J. Finucane. 1,676,485; July 10.
- Pipe support. G. Liniger. 1,667,124; Apr. 24.
- Pipe-supporting device. G. R. Livergood. 1,661,838; Mar. 6.
- Pipe-swaging device. A. C. Ekman. 1,665,915; Apr. 10.
- Pipe tap, Wooden-. W. E. Spangle. 1,664,796; Apr. 3.
- Pipe-thread cleaner and chaser, External-. H. K. Hyrup. 1,657,086; Jan. 24.
- Pipe-threading machine. W. H. Himes. 1,686,661; Oct. 9.
- Pipe-threading machine. I. W. Nonneman. 1,674,371; June 19.
- Pipe to and from threading machines and testers, Apparatus for and method of delivering. H. D. Pennington. 1,657,315; Jan. 24.
- Pipe tongs, Automatic. E. C. Wilson. 1,660,853; Feb. 28.
- Pipe tongs, Rotary. H. H. Holdaway. 1,696,356; Dec. 25.
- Pipe, Treating and forming. G. C. Martin. 1,669,768; May 15.
- Pipe union, Self-tightening. G. A. McCuean. 1,691,851; Nov. 13.
- Pipe vise and bender. A. H. Meier. 1,688,199; Oct. 16.
- Pipe-vise stand. L. C. Young. 1,695,311; Dec. 18.
- Pipe wrench. P. Armstrong. 1,676,210; July 3.
- Pipe wrench. H. G. Butt. 1,658,075; Feb. 7.
- Pipe wrench. O. Johnson. 1,681,641; Aug. 21.
- Pipe wrench. G. E. Knight. 1,688,931; Oct. 23.
- Pipe wrench. A. J. Miehle. 1,696,722; Dec. 25.
- Pipe wrench. G. A. Montgomery. 1,661,229; Mar. 6.
- Pipe wrench. N. Spanovic. 1,676,507; July 10.
- Piping and unsound metal from ingots, Removing. S. S. Ball. 1,680,493; Aug. 14.
- Pipes and products resulting therefrom, Producing earthenware. F. J. B., T. S., and F. Alassio. 1,677,808; July 17.
- Pipes and similar cylindrical bodies, Apparatus for making flued openings in. M. W. Kellogg. 1,656,736; Jan. 17.
- Pipes and the like, Shutting-off device for steam. H. Srolowitz. 1,678,204; July 24.
- Pipes, Apparatus for joining. B. N. Broido. 1,675,329; July 3.
- Pipes, Apparatus for straightening the ends of bent. R. H. Böbling. 1,680,008; Aug. 7.
- Pipes, Diminishing the resistance of currents in conduit. J. Sauter and F. Levy. 1,655,197; Jan. 3.
- Pipes, Floor and ceiling plate for. L. B. Lovejoy. 1,689,952; Oct. 20.
- Pipes from asbestos cement or a similar material, Manufacturing. C. Herzog. 1,670,855; May 22.
- Pipes, Joining. A. G. Magis. 1,678,740; July 31.
- Pipes or conduits, Joint for screwless. J. W. Hooley. 1,659,268; Feb. 14.
- Pipes or the like, Joint construction for. L. B. Sherwood. 1,659,669; Feb. 21.
- Pipes, Preparing. T. De La Mare. Re17,166; Dec. 18.
- Pipes, Stem for. O. Ruzsicska and W. L. Brumfield. 1,657,767; Jan. 31.
- Pipette. S. Treuner. 1,678,540; July 24.
- Pirn winder. E. Zindel. 1,659,127; Feb. 14.
- Pistol. W. S. Spencer. 1,693,530; Nov. 27.
- Pistol, Fountain-pen-shaped. B. C. Goss. 1,663,834; Mar. 27.
- Pistol, Novelty. F. S. Cocho. 1,681,172; Aug. 21.
- Pistol or gun, Air. G. S. Lewis. 1,692,555; Nov. 20.
- Pistol, Scaring. F. Möller. M. Moritz, and A. Gerstenberger. 1,666,579; Apr. 17.
- Pistol, Toy. F. Lunz and L. Stawinski. 1,670,895; May 22.
- Piston. A. Anderson. 1,661,917; Mar. 6.
- Piston. G. C. Austin. 1,659,799; Feb. 21.
- Piston. G. F. Brent. 1,679,020; July 31.
- Piston. J. A. Brockmeyer. 1,655,177; Jan. 3.
- Piston. H. Caminez. 1,687,265; Oct. 9.
- Piston. J. H. Czeck. 1,669,290; May 8.
- Piston. C. W. Darrah. 1,668,672; May 8.
- Piston. L. R. Davis. 1,678,768; July 31.
- Piston. J. E. Diamond. 1,695,417; Dec. 18.
- Piston. G. W. Grayson. 1,688,076; Oct. 16.
- Piston. C. C. Hanch. 1,667,548; Apr. 24.
- Piston. S. D. Hartog. 1,675,174; June 26.
- Piston. H. J. Hater. 1,656,482; Jan. 17.
- Piston. G. R. Keim. 1,659,881; Feb. 21.
- Piston. J. C. Leary. 1,693,280; Nov. 27.
- Piston. T. J. Levey. 1,676,339; July 10.
- Piston. W. A. Maher. 1,674,733; June 26.
- Piston. H. E. Maynard. 1,655,968; Jan. 10.
- Piston. A. L. Nelson. 1,681,621; Aug. 21.
- Piston. A. L. Nelson. 1,681,709; Aug. 21.
- Piston. A. R. Pribil. 1,656,293; Jan. 17.
- Piston. G. A. Taylor. 1,665,229; Apr. 10.
- Piston. G. B. Tibbot and F. R. Cook. 1,687,908; Oct. 16.
- Piston. C. B. Toney, Jr. 1,662,725; Mar. 13.
- Piston. I. A. Weaver. 1,693,584; Nov. 27.
- Piston. E. M. Williams. 1,686,357; Oct. 2.
- Piston, Adjustable gas-engine. W. L. Schoengarth. 1,688,792; Oct. 23.
- Piston, Aluminum-alloy. R. E. Day. 1,670,956; May 22.
- Piston and bearing, Fluid-meter. W. S. Heitzen. 1,660,446; Feb. 28.
- Piston and connecting rod. H. E. Frederickson. 1,671,708; May 29.
- Piston and connecting rod construction. L. H. Noah. 1,665,672; Apr. 10.
- Piston and connecting rod testing and aligning machine. G. E. Holton. 1,684,321; Sept. 11.
- Piston and cylinder construction. B. S. Floraday. 1,694,503; Dec. 11.
- Piston and packing. J. A. Olson. Re17,042; July 17.
- Piston and piston-ring construction. R. G. Hill. 1,666,966; Apr. 24.
- Piston and producing same. H. A. and W. T. Soulis. 1,691,450; Nov. 13.
- Piston and rod packing. J. L. Ahern and L. G. Ledger. 1,667,092; Apr. 24.
- Piston blower, Rotary-. F. Porsche. 1,656,867; Jan. 17.
- Piston, Built-up. W. R. Wiley. 1,665,830; Apr. 10.
- Piston-casting machine. F. L. Feltes. 1,663,693; Mar. 27.
- Piston clamp, Air-brake-. L. H. Dohse. 1,678,937; July 31.
- Piston, Composite. C. R. Short. 1,675,618; July 3.
- Piston, Compressor. H. J. Berry. 1,682,736; Sept. 4.
- Piston, Constant-clearance. L. V. Pence. 1,671,310; May 29.
- Piston construction. W. C. Brower. 1,665,438; Apr. 10.
- Piston construction, Air-cooled. H. A. Palmer. 1,696,858; Dec. 25.
- Piston cooling. O. Philipp. 1,678,957; July 31.
- Piston, Counterthrust-pressure. C. G. Edwards. 1,679,964; Aug. 7.
- Piston, Engine. M. H. Lutz, Jr. 1,689,953; Oct. 30.
- Piston engine. J. Szydlowski. 1,661,582; Mar. 6.
- Piston expander. F. Teisinger. 1,671,137; May 29.
- Piston expander. F. A. Travis. 1,680,650; Aug. 14.
- Piston, Fluid-tight. E. J. Laugaudin. 1,694,859; Dec. 11.
- Piston for charge-pumping cylinders. E. R. Burnett. 1,688,611; Oct. 23.
- Piston for internal-combustion engines. K. O. Keller. 1,684,629; Sept. 18.
- Piston for internal-combustion engines. R. H. McQuiddy. 1,663,212; Mar. 20.
- Piston for internal-combustion engines. E. A. Sperry. 1,688,403; Oct. 23.
- Piston for internal-combustion engines. H. R. Young. Re17,159; Dec. 11.
- Piston for internal-combustion motors. A. C. Hoecker. 1,687,837; Oct. 16.
- Piston for refrigeration pumps. C. C. Spreen. 1,688,889; Oct. 23.
- Piston for reservoirs for the storage of gas, steam, or easily-evaporating liquids, Sealing. F. Schürmann. 1,693,468; Nov. 27.
- Piston for use in the cylinders of internal-combustion engines. P. K. Saunders. 1,696,017; Dec. 18.
- Piston gasket and expanding ring therefor. H. W. Price. 1,657,318; Jan. 24.
- Piston-head formation for internal-combustion engines, Antidetonation. A. Moore. 1,673,775; June 12.
- Piston, Internal-combustion-engine. C. R. Short. 1,658,576; Feb. 7.
- Piston kicker. E. Hollowell. 1,666,236; Apr. 17.
- Piston, Lubricating. C. C. Hanch. 1,664,507; Apr. 3.
- Piston mechanism and its application to variable-speed gearing, Rotary. H. Hiorns. 1,691,479; Nov. 13.
- Piston motor, Counterbalanced. E. H. Belden. 1,686,790; Oct. 9.
- Piston pins, Making. C. Breer. 1,670,564; May 22.
- Piston pins tight, Device for holding. C. Y. Knight. 1,659,979; Feb. 21.
- Piston-removing device. P. H. Kenney. 1,677,786; July 17.
- Piston ring. F. E. Clark. 1,694,311; Dec. 4.

- Piston ring. S. J. Cocks and R. E. Browning. 1,682,886; Sept. 4.
- Piston ring. C. C. Farmer. 1,674,770; June 26.
- Piston ring. H. Faurot. 1,668,954; May 8.
- Piston ring. H. S. Frank. 1,678,248; July 24.
- Piston ring. E. J. Hall. 1,691,518; Nov. 13.
- Piston ring. R. V. Kelly. 1,675,109; June 26.
- Piston ring. G. F. Kenney. 1,667,808; May 1.
- Piston ring. T. Madsen. 1,667,941; May 1.
- Piston ring. A. J. Mummert. 1,690,423; Nov. 6.
- Piston ring. E. H. Packer. 1,666,750; Apr. 71.
- Piston ring. E. H. Packer. 1,668,779; May 8.
- Piston ring. D. M. Solenberger. 1,662,544; Mar. 13.
- Piston ring. D. M. Solenberger. 1,670,082; May 15.
- Piston ring. C. S. Worth. 1,669,365; May 8.
- Piston ring and making same. H. H. Kistner. 1,654,736; Jan. 3.
- Piston ring and making same. J. and J. Williams. 1,639,608; Oct. 30.
- Piston ring and making the same. R. B. Wasson. 1,691,746; Nov. 13.
- Piston ring, Antislip. C. R. McMinn, J. B. Holliday, and J. T. Robinson. 1,660,846; Feb. 28.
- Piston-ring compressor. S. G. Ling. 1,663,084; Mar. 20.
- Piston-ring grooves, Carbon scraper for. H. S. Albert. 1,654,851; Jan. 3.
- Piston ring, Locomotive. W. J. Schlacks. 1,668,822; May 8.
- Piston-ring mounting and removing tool. E. Miller. 1,691,161; Nov. 13.
- Piston ring or assembly. C. P. Brockway. 1,682,477; Aug. 28.
- Piston-ring spring. O. E. Szekely. 1,683,269; Sept. 4.
- Piston ring, Two-piece. E. C. Newton. 1,682,850; Sept. 4.
- Piston rings, Compressing. J. J. Kelker. 1,656,674; Jan. 17.
- Piston rings, Compression and suction saving construction for. J. H. Thompson. 1,696,424; Dec. 25.
- Piston rings, Making. H. S. Graves. 1,661,366; Mar. 6.
- Piston rings, Making. H. W. Hamilton. 1,660,506; Feb. 28.
- Piston rings, Making. W. J. Six. 1,686,937; Oct. 9.
- Piston rings, Making. E. M. Williams. 1,695,787; Dec. 18.
- Piston rings, Manufacturing. M. Okochi and K. Ebihara. 1,666,848; Apr. 17.
- Piston, Self-expanding. J. A. Brockmeyer. 1,683,380; Sept. 4.
- Piston, Slush-pump. W. N. Sutliff. 1,678,365; July 24.
- Piston structure. A. H. Light. 1,678,151; July 24.
- Piston structure. A. H. Light. 1,681,488; Aug. 21.
- Piston-supporting device. P. Henze. 1,667,934; May 1.
- Pistons. Centralizing. G. W. McCune. 1,654,595; Jan. 3.
- Pistons. Lock for self-packing. S. B. Redfield. 1,658,941; Feb. 14.
- Pistons, Manufacturing. H. Ford. 1,667,202; Apr. 24.
- Pistons, Oil-splash lining for. R. Cole. 1,663,795; Mar. 27.
- Pistons, Universal joint for. A. E. Reid. 1,663,812; Mar. 27.
- Pit cover. J. H. Owens. 1,664,525; Apr. 3.
- Pitting machine, Cherry-. C. T. Howson. 1,694,263; Dec. 4.
- Pitcher. K. P. Beattie. Des. 74,591; Mar. 6.
- Pitcher. O. Bergner. Des. 76,597; Oct. 16.
- Pitcher. H. G. Monroe. Des. 75,860; July 24.
- Pitcher. M. J. Perry, jr. Des. 77,027; Nov. 27.
- Pitcher and drinking glass, Combination. W. C. Ross. Des. 77,259; Dec. 18.
- Pitcher, Cream. J. Burian. Des. 74,295; Jan. 24.
- Pitcher, Cream. A. F. Saunders. Des. 75,521; June 12.
- Pitcher or like article. L. W. Rice. Des. 75,698; July 3.
- Pitcher or similar article. C. C. Beam. Des. 74,713; Mar. 20.
- Pitcher or similar article. H. L. Budd. Des. 75,411; June 5.
- Pitcher or similar article. G. Haviland. Des. 76,135; Aug. 21.
- Pitcher or similar article. R. E. McEldowney. Des. 76,409; Sept. 25.
- Pitcher or similar article, Beverage. L. W. Rice. Des. 75,987; May 29.
- Pitman. W. L. Brown. 1,679,707; Aug. 7.
- Pitman connection. J. C. Kahle. 1,662,502; Mar. 13.
- Pitman for pneumatic motors. F. Volare. 1,677,908; July 24.
- Pitman head, Flexible. C. Pearson. 1,659,000; Feb. 14.
- Pivot-adjusting means. E. G. Thomas. 1,675,961; July 3.
- Pivotal connection. H. C. Harris. Re17,136; Nov. 13.
- Pivot retainer. E. G. Thomas. 1,682,442; Aug. 28.
- Placard and holder therefor. W. K. Auchincloss. 1,685,080; Sept. 25.
- Placard, Tank-car. W. T. Taylor and C. M. Gidley. 1,684,048; Sept. 11.
- Placer-mining machine. F. H. Krueger. 1,684,869; Sept. 18.
- Plait folder, Center-. J. Mann. 1,664,079; Mar. 27.
- Plane. W. G. Schwer. 1,696,584; Dec. 25.
- Plane, Carpenter's. C. A. Johnson. 1,662,005; Mar. 6.
- Plane, Carpenter's. H. L. Org. 1,696,552; Dec. 25.
- Plane switch, Inclined-. M. Eichelgrun. 1,668,007; May 1.
- Planer-control mechanism. N. Marcalus. 1,674,976; June 26.
- Planer, Subgrade. G. E. Webb. 1,659,504; Feb. 14.
- Planile. R. E. Ulrich. 1,691,743; Nov. 13.
- Plank, Artificial. W. H. Droege. 1,688,188; Oct. 16.
- Plank, Reinforced scaffold. M. Bauer. 1,687,706; Oct. 16.
- Planing cutter. J. O. Liffander. 1,677,898; July 24.
- Planing machine, Road-. T. L. Gray. 1,670,502; May 22.
- Planning stormproof zones around or through wood districts. E. Stock. 1,685,343; Sept. 25.
- Planographic presses, Dampening system for. R. F. Reed and W. Scholl. 1,677,655; July 17.
- Plant cover. F. Graffenberger. Des. 77,232; Dec. 18.
- Plant digger. S. C. Clinkscale. 1,659,241; Feb. 14.
- Plant for the generation of high-pressure steam, Traveling. O. H. Hartmann. 1,665,543; Apr. 10.
- Plant holder, Carnation. F. E. Kruse. 1,676,337; July 10.
- Plant-potting machine. C. G. Bewley. 1,664,913; Apr. 3.
- Plant-propagating device. E. May, Jr., and R. J. Bullen. 1,655,731; Jan. 10.
- Plant protector. N. M. Brisbois. 1,690,716; Nov. 6.
- Plant setter. E. A. and W. S. Stocker. 1,657,944; Jan. 31.
- Plant-spraying apparatus. G. T. Cox. 1,656,171; Jan. 17.
- Plant support. C. Lapolla. 1,693,393; Nov. 27.
- Plant support. R. C. McOlvin. 1,659,116; Feb. 14.
- Plant support. N. Waterman. 1,676,468; July 10.
- Plant working with induction motor fed from synchronous phase converter. K. von Kandö. 1,687,700; Oct. 16.
- Planter. H. E. Altgelt. 1,684,211; Sept. 11.
- Planter. S. E. Bailor. 1,692,608; Nov. 20.
- Planter. H. B. Bonebright. 1,690,884; Nov. 6.
- Planter. L. R. Hupp. 1,664,925; Apr. 8.
- Planter. L. H. Kaupke. 1,671,244; May 29.
- Planter. B. Zendron. 1,695,074; Dec. 11.
- Planter and packer, Seed. H. A. Wilberg. 1,695,165; Dec. 11.
- Planter and potato digger, Combined. J. Doroski. 1,676,233; July 3.
- Planter attachment. B. R. Benjamin and W. S. Graham. 1,659,014; Feb. 14.
- Planter attachment, Cotton-. O. E. Morris, G. E. Crumrine, and W. Grounds. 1,685,554; Sept. 25.
- Planter attachment for tractors. B. R. Benjamin. 1,663,236; Mar. 20.
- Planter, Cotton. S. K. Dennis. 1,677,469; July 17.
- Planter, Cotton. G. C. Emerson. 1,670,883; May 22.
- Planter, Cotton. P. H. Lynch. 1,688,934; Oct. 23.
- Planter, Sugar-cane. W. Kassebeer. 1,678,643; July 31.
- Planter, Tractor. J. L. Hipple. 1,677,478; July 17.
- Planter depth gauge. A. A. Resseguie. 1,695,608; Dec. 18.
- Planter, Hand seed. F. W. Erickson. 1,689,866; Oct. 30.
- Planter shoes, Clearing guard for. P. Dasen. 1,696,192; Dec. 25.
- Planters, Attachment for check-row. W. J. Barclay. 1,673,758; July 31.
- Planters, Attachment for check-row corn. J. R. Lewis. 1,688,724; Oct. 23.
- Planters, Check-correcting means for. C. James. 1,671,428; May 29.
- Planters, Check-row attachment for. E. H. Stein. 1,668,827; May 8.
- Planters, Covering wheel for. C. E. White. 1,681,023; Aug. 14.
- Planters, Seed feeding and spacing attachment for. E. W. Fullilove. 1,669,331; May 8.
- Planting attachment for listers, Potato-. R. V. Robertson. 1,696,864; Dec. 25.
- Planting machine for cabbage and other plants. T. Van den Ende. 1,689,262; Oct. 30.
- Planting machine, Potato-. A. Edelhoff. 1,664,773; Apr. 3.
- Plants, Apparatus for obtaining the bast of stalked. E. L. A. Heimlich. 1,689,387; Oct. 30.
- Plaster bases, Support for. A. J. Luedke. 1,667,701; Apr. 24.
- Plaster-block composition. F. M. Venzie. 1,667,019; Apr. 24.
- Plaster board. C. Absmeier. 1,657,333; Jan. 24.
- Plaster board. M. K. Armstrong. 1,659,072; Feb. 14.
- Plaster board. H. E. Hanson. Re17,007; June 26.
- Plaster board. A. F. H. Kohler and A. S. Speer. 1,673,944; June 19.
- Plaster board. A. S. Speer. 1,686,671; Oct. 9.
- Plaster board. J. Strand. 1,664,837; Apr. 3.
- Plaster-board, Apparatus for making. M. K. Armstrong. Re16,969; May 22.
- Plaster board and the like. W. H. Kobbé. 1,693,716; Dec. 4.
- Plaster board, Making. M. K. Armstrong. Re16,860; Jan. 24.
- Plaster board, Reinforced. C. O. Walper. 1,685,254; Sept. 25.
- Plaster board, Reinforced-edge. J. Schumacher. 1,672,097; June 5.
- Plaster board, Reinforced-edge. J. Schumacher. 1,690,253; Nov. 6.
- Plaster-board walling. J. Schumacher. 1,668,219; Mar. 20.
- Plaster gauge. A. J. Fritz. 1,661,253; Mar. 6.
- Plaster products, Hardened. W. H. Kobbé. 1,693,715; Dec. 4.
- Plaster netting, Self-furring. O. W. Johnson. 1,666,535; Apr. 17.

- Plaster prior to using, Preparation of. L. E. Chassevent. 1,672,638; June 5.
- Plaster wallboard, Apparatus for making. H. E. Brookby. 1,689,322; Oct. 30.
- Plasterer's float. J. Mayes. 1,691,777; Nov. 13.
- Plasterer's float. J. W. Pickering. 1,677,366; July 17.
- Plastering machine. F. S. Mioton and L. H. Guerin. 1,684,357; Sept. 11.
- Plastering machine. J. Pages. 1,659,440; Feb. 14.
- Plastering machine. J. F. Raus. 1,663,416; Mar. 20.
- Plastic and moldable composition, Producing. C. Kulas. 1,688,500; Oct. 23.
- Plastic bars, Treating. W. M. Arehart. 1,658,070; Feb. 7.
- Plastic composition. C. Conover. 1,678,105; July 24.
- Plastic composition. G. J. Liebich. 1,658,605; Feb. 7.
- Plastic composition and production thereof. O. A. Cherry and C. F. Chosa. 1,678,635; July 31.
- Plastic composition materials, Production of. C. A. Nash. 1,692,856; Nov. 27.
- Plastic composition article and producing the same, Molded. F. Kurath and L. T. Richardson. 1,674,287; June 19.
- Plastic composition for modeling. M. Sasakawa. 1,668,172; May 1.
- Plastic composition product and producing articles of manufacture. A. J. Slosser. Re16,855; Jan. 17.
- Plastic compounds, Manufacture of. G. E. Zelger. 1,685,443-4; Sept. 25.
- Plastic display. M. Masson. 1,688,196; Oct. 16.
- Plastic, Manufacture of decorative. J. H. Clewell. 1,675,642; July 3.
- Plastic material. W. B. Wescott. 1,680,234; Aug. 7.
- Plastic material, Apparatus for rounding up lumps of. H. H. Hackstedde. 1,686,853; Oct. 9.
- Plastic material and making the same. E. L. Aiken. 1,668,444; May 1.
- Plastic material from peat and producing. I. S. Mellanoff. 1,681,155; Aug. 14.
- Plastic material forming and smoothing device. W. G. Mansuy. 1,687,344; Oct. 9.
- Plastic material, Forming ways or ducts in. T. E. Murray. 1,687,879; Oct. 16.
- Plastic material, Manufacture of articles of. A. Landucci. 1,658,725; Feb. 7.
- Plastic material, Method and apparatus for forming articles of. F. J. MacDonald. 1,658,565; Feb. 7.
- Plastic material, Method and apparatus for shaping. F. J. MacDonald. 1,658,564; Feb. 7.
- Plastic material, Rounder for. W. P. Elwood. 1,661,792; Mar. 6.
- Plastic materials, Form for. R. A. Jordan and N. S. Fillya. 1,658,681; Feb. 7.
- Plastic preparation. E. K. O'Brien. 1,690,648; Nov. 6.
- Plastic reinforced building construction. P. Kosack. 1,691,117; Nov. 13.
- Plastic resinous material and making same. H. M. Weber. 1,692,524; Nov. 20.
- Plasticizers from celluloid and the like, Removing and recovering volatile. H. P. Bassett. 1,681,692; Aug. 21.
- Plate. W. H. Baker. 1,680,839; Aug. 14.
- Plate. E. M. Bottomo. Des. 76,454-5; Oct. 2.
- Plate. E. M. Bottomo. Des. 76,913; Nov. 20.
- Plate. E. A. De Lan. Des. 76,919; Nov. 20.
- Plate. R. Haley. Des. 74,881; Apr. 10.
- Plate. E. L. Schnepf. Des. 75,075; May 1.
- Plate. E. L. Schnepf. Des. 76,426; Sept. 25.
- Plate and hanger, Floor. W. R. Rein. 1,692,571; Nov. 20.
- Plate-attaching means. D. N. Ross. 1,657,038; Jan. 24.
- Plate attachment, Pie-. W. Houston. 1,669,127; May 8.
- Plate bond, Fish-. G. Barnes. 1,667,452; Apr. 24.
- Plate, Cake. A. F. Saunders. Des. 75,655; June 26.
- Plate clamp. L. A. Schmidt. 1,691,556; Nov. 13.
- Plate column. T. Baker, and W. A. Peters, Jr. 1,688,515; Oct. 23.
- Plate, Corrugated metallic. A. E. Small. 1,681,824; Aug. 21.
- Plate, Cracker. D. R. Bailey. 1,678,098; July 24.
- Plate-cutting apparatus. P. Orzel. 1,668,085; May 1.
- Plate cylinders, Quick lock-up for. R. A. Bell. 1,658,033; Feb. 7.
- Plate cylinders, Quick lock-up for. C. S. Crafts. 1,658,034; Feb. 7.
- Plate cylinders, Quick lock-up for. W. Evensen and G. L. Hermanson. 1,658,035; Feb. 7.
- Plate, Embossed metallic. A. E. Small. 1,681,825; Aug. 21.
- Plate, Escutcheon. E. L. Hedemark. Des. 75,241; May 22.
- Plate, Escutcheon. W. Sparks. Des. 76,067-8; Aug. 14.
- Plate feeder. C. W. Phillips. 1,669,261; May 8.
- Plate for a dial mechanism, Escutcheon. W. A. Ready. Des. 76,957; Nov. 20.
- Plate for a vernier dial, Escutcheon. J. Geloso. Des. 76,926; Nov. 20.
- Plate for an electric wall bracket or similar article, Front. J. A. Boehringer. Des. 75,894; July 31.
- Plate for radioreceivers or the like, Escutcheon. M. Alden. Des. 75,996; Aug. 14.
- Plate for railway cars, Embossed metallic. A. E. Small. 1,681,826; Aug. 21.
- Plate for vehicle bumpers, Mask. H. S. Jandus and N. Van Husen. Des. 77,098; Dec. 4.
- Plate, Hot. E. R. Rayburn. Des. 74,896; Apr. 10.
- Plate lifter, Pie-. J. J. Spurgeon. 1,669,355; May 8.
- Plate member, Forming a tapered. W. C. S. Mays. 1,656,123; Jan. 10.
- Plate mill and rolling hot metal. J. B. Tytus. 1,688,252; Oct. 16.
- Plate or similar article. H. Auvera. Des. 74,816; Apr. 3.
- Plate or similar article. H. Barkby. Des. 75,093; May 8.
- Plate or similar article. J. A. Cronin. Des. 76,778; Nov. 6.
- Plate or similar article. B. A. Dolan. Des. 77,080; Dec. 4.
- Plate or similar article. M. A. Hanse. Des. 75,974; Aug. 7.
- Plate or similar article. A. Hashagen. Des. 75,238-40; May 22.
- Plate or similar article. A. Hatzel. Des. 74,833; Apr. 3.
- Plate or similar article. F. G. Holmes. Des. 74,567; Feb. 28.
- Plate or similar article. F. G. Holmes. Des. 74,672; Mar. 13.
- Plate or similar article. H. P. Howlett. Des. 75,425; June 5.
- Plate or similar article. E. Magnussen. Des. 77,108; Dec. 4.
- Plate or similar article. M. J. Palm, jr. Des. 74,239; Jan. 10.
- Plate or similar article. J. E. Phillips. Des. 74,758; Mar. 20.
- Plate or similar article. H. Rampfel. Des. 75,748; July 10.
- Plate or similar article. H. Rampfel. Des. 76,550; Oct. 9.
- Plate or similar article. A. Robert. Des. 74,451; Feb. 14.
- Plate or similar article. F. A. Sebring. Des. 76,557; Oct. 9.
- Plate or similar article. W. H. Tams. Des. 76,433; Sept. 25.
- Plate or similar article. U. Tomita. Des. 76,566-90; Oct. 9.
- Plate or similar article. U. Tomita. Des. 76,831-42; Nov. 6.
- Plate or similar article. U. Tomita. Des. 76,964-72; Nov. 20.
- Plate or similar article. J. H. Venon. 75,535; June 12.
- Plate or similar article. C. Weiss. Des. 77,341; Dec. 25.
- Plate or similar article. G. Wesp. Des. 74,405; Feb. 7.
- Plate or similar article. G. Wesp. Des. 75,085; May 1.
- Plate or similar article. W. S. Woodman. Des. 74,465; Feb. 14.
- Plate or similar article. W. S. Woodman. Des. 75,759; July 10.
- Plate or similar article, Sandwich. R. E. McEldowney. Des. 75,272; May 22.
- Plate, Orifice. J. M. Spitzglass. 1,654,559; Jan. 3.
- Plate, Pie. A. Bothe. 1,668,101; May 1.
- Plate, Pie. P. C. Engel. Des. 75,723; July 10.
- Plate, Pie. R. M. Smythe. Re17,066; Aug. 14.
- Plate punching and finishing means. T. A. Waggett. 1,694,045; Dec. 4.
- Plate, Rail-chair. J. E. McMullen. 1,675,504; July 3.
- Plate reversing and cooling mechanism. C. W. Kinter and C. H. Manion. 1,695,923; Dec. 18.
- Plates for locks, Striker. J. E. Halferty. 1,676,390; July 10.
- Plate-steel wicket gate for turbines. G. A. Jessop. 1,683,781; Sept. 11.
- Platen. P. A. Gollnick, J. J. Toolan, and G. Harred. 1,655,949; Jan. 10.
- Platen-adjusting mechanism. J. H. Barr. 1,684,429; Sept. 13.
- Platen, Continuous-feed. H. A. Foothorap. 1,687,332; Oct. 9.
- Platform and gate assembly. W. H. Mussey and W. R. Peterson. 1,670,546; May 22.
- Platform, Bathing's inclined rotary water. M. J. Hire. 1,689,138; Oct. 23.
- Platform, Elevator. F. Hymans and C. T. Westlin. 1,695,690; Dec. 18.
- Platform, Elevator. J. Rice. Re17,080; Sept. 11.
- Platform for unloading stock, Movable. F. Rieder. 1,679,945; Aug. 7.
- Platform for use with elevating trucks. F. J. Shepard, Jr., and N. Warshaw. 1,696,585; Dec. 25.
- Platform, Launching and landing. J. S. Fox. 1,681,474; Aug. 21.
- Platform, Vehicle. J. M. Gerhardt. 1,673,671; June 12.
- Plating apparatus. F. P. Green. 1,667,515; Apr. 24.
- Plating apparatus and product thereof. E. R. Armstrong. 1,672,402; June 5.
- Plating attachment. J. J. Egan and E. Gregor. 1,666,123; Apr. 17.
- Plating metals with aluminum. F. Jordan. 1,679,308; July 31.
- Plating tank. W. E. Belke. 1,695,795; Dec. 18.
- Platter or similar article. H. L. Budd. Des. 75,410; June 5.
- Platter, Service. S. W. James. Re16,950; May 1.
- Play ball. J. M. Ruedy. 1,672,174; June 5.
- Player action, Universal. T. F. Cheek. 1,691,640; Nov. 13.
- Playground apparatus. F. M. Pierce. 1,658,097; Feb. 7.
- Playhouse. A. A. Foley. 1,662,823; Mar. 20.
- Playing ball. G. H. Willis. 1,656,462; Jan. 17.
- Playing club and making the same. C. B. Drevitson. 1,673,973; June 19.
- Playing object. F. P. Beal. 1,656,936; Jan. 24.
- Playing piece. H. S. Wittmaak. 1,683,643; Sept. 11.

- Playing skittles, Apparatus for. J. Krauth. 1,685,699; Sept. 25.
- Plied sheet and producing the same. I. J. Novak. 1,672,988; June 12.
- Pliers. C. P. Fay. 1,662,108; Mar. 13.
- Pliers. N. J. Gendron. 1,661,365; Mar. 6.
- Pliers. H. A. Mead. 1,688,729; Oct. 23.
- Pliers. W. M. Niekirk. 1,684,775; Sept. 18.
- Pliers. J. M. Peterson. 1,666,467; Apr. 17.
- Pliers, Adjustable. E. Peck. 1,677,365; July 17.
- Pliers or nippers, Grass. L. P. Smith. 1,674,485; June 19.
- Pliers, Piston-ring expanding and contracting. R. D. Douglass. 1,681,662; Aug. 21.
- Pliers, Wire-bending. E. B. Varney. 1,666,801; Apr. 17.
- Plow. R. J. Altgelt and C. H. Gemberling. 1,671,662; May 29.
- Plow. P. Candreva. 1,662,636; Mar. 13.
- Plow. M. Churchill. 1,690,055; Oct. 30.
- Plow. L. C. Hester. 1,656,354; Jan. 17.
- Plow. E. O. Hutsell. 1,671,427; May 29.
- Plow. C. D. Kretzer. 1,678,343; July 24.
- Plow. M. Mares. 1,678,741; July 31.
- Plow. C. A. Monsarrat. 1,681,423; Aug. 21.
- Plow. A. S. Nelson. 1,686,874; Oct. 9.
- Plow. J. S. Parker. 1,691,824; Nov. 13.
- Plow. M. Planess. 1,665,041; Apr. 3.
- Plow. J. P. Seaholm. 1,669,025; May 8.
- Plow, Adjustable. J. Morgan. 1,690,238; Nov. 6.
- Plow and planter, Lister. T. Brown. 1,688,034; Oct. 16.
- Plow and shovel, Adjustable. J. T. Davenport. 1,686,961; Oct. 9.
- Plow and soil agitator, Combination. L. F. Dierickx. 1,655,457; Jan. 10.
- Plow and soil pulverizer, Combined. G. H. Hall. 1,693,895; Dec. 4.
- Plow attachment. O. A. Olson. 1,667,866; May 1.
- Plow attachment. F. E. Rosekelly. 1,686,177; Oct. 2.
- Plow, Ditching. S. O. Martin. Re17,117; Oct. 23.
- Plow for cane harvesters and the like, Separator. F. C. D. Wilkes and F. K. Flynn. 1,688,187; Oct. 16.
- Plowhandle. S. G. Navarro. 1,675,904; July 3.
- Plow, Hillside. C. W. Ladd. 1,685,365; Sept. 25.
- Plow hitch. H. C. Fandrey. 1,671,632; May 29.
- Plow hitch. P. Wasche. 1,657,051; Jan. 24.
- Plow, Orchard. W. L. Paul. 1,663,668; Mar. 27.
- Plow, Power-lift. R. J. Altgelt. 1,686,545; Oct. 9.
- Plow, Power-lift. J. E. Boda. 1,669,037; May 8.
- Plow, Power lift. C. G. Strandlund. 1,675,433; July 3.
- Plow, Rotary. W. Turner. 1,659,674; Feb. 21.
- Plow, Rotary. J. Wilson. 1,692,282; Nov. 20.
- Plow, Rotary spiral. C. M. Brack. 1,690,922; Nov. 6.
- Plow, Rotary type of. A. R. Cook. 1,665,532; Apr. 10.
- Plow, Self-leveling wheeled. J. H. Groenke. 1,683,321; Sept. 25.
- Plowshare and cultivator-shovel straightener. J. I. Depew. 1,668,633; May 8.
- Plowshare, Self-sharpening. J. P. H. Jakobsen. 1,692,086; Nov. 20.
- Plowshare with removable point. J. Sanders. 1,670,424; May 22.
- Plowshares, Making. W. I. Wheeler. 1,680,830; Aug. 14.
- Plow slide shoe. H. L. Evans. 1,671,705; May 29.
- Plow, Subsoil. G. W. Wyche. 1,689,065; Oct. 23.
- Plow, Sulky. H. J. Cleary. 1,667,192; Apr. 24.
- Plow support. L. C. Hester. 1,659,142; Feb. 14.
- Plow, Tractor. B. R. Benjamin. 1,685,267; Sept. 25.
- Plow, Tractor. J. N. Parker. 1,686,983; Oct. 9.
- Plow, Two-way. K. C. Livermore. 1,666,016; Apr. 10.
- Plow wheel. F. E. Konell. 1,684,833; Sept. 18.
- Plow, Wheeled. J. E. Boda. 1,659,234; Feb. 14.
- Plowing attachment, Tractor-supported. M. B. Monson. 1,670,270; May 15.
- Plows, Front-furrow-wheel adjustment for. W. S. Graham. 1,673,192; June 12.
- Plows, Lateral-swing control for tractor-drawn. C. G. Strandlund. 1,665,330; Apr. 10.
- Plows, Leveling device for. E. H. Daniel. 1,688,615; Oct. 23.
- Plows, Planter attachment for. L. Binger. 1,665,873; Apr. 10.
- Plows, Tripping device for power-lift. W. L. Paul. 1,667,130; Apr. 24.
- Plucking machine. J. B. Kingdon. 1,656,738; Jan. 17.
- Plucking machine, Fowl. A. L. Goldstein and M. Jaffe. 1,674,968; June 26.
- Plug. A. J. Carter. 1,668,583; May 8.
- Plug. O. C. Dudley. 1,691,231; Nov. 13.
- Plug adapter, Attachment. H. B. Sargent. 1,664,090; Mar. 27.
- Plug and lamp socket, Safety. L. Kellner. 1,675,353; July 3.
- Plug and making the same, Washout. J. Kindervater. 1,668,411; May 1.
- Plug-and-socket connector and the like. H. Rottenburg. 1,678,082; July 24.
- Plug and switch, Combination electric. S. N. Griffith. 1,673,070; June 12.
- Plug, Attachment. F. L. Aimé. 1,693,972; Dec. 4.
- Plug, Attachment. F. F. Frakes. 1,664,408; Apr. 3.
- Plug, Attachment. F. P. Gates. 1,658,635; Feb. 7.
- Plug, Attachment. W. F. Hendry. 1,682,335; Aug. 28.
- Plug, Boiler. D. K. Pierce. 1,683,726; Sept. 11.
- Plug, Bridging. R. D. Fisher and E. M. Reardon. 1,684,266; Sept. 11.
- Plug cap, Attachment. B. P. McKinley. Des. 74,273; Jan. 17.
- Plug cap, Attachment. J. Weber. Des. 74,203; Jan. 3.
- Plug cap. Electric-attachment. L. H. Moulthrop. 1,673,756; June 12.
- Plug, Chain-pull double-socket lamp. W. M. Wire. 1,682,947; Sept. 4.
- Plug connector, Electric. A. R. Goldrick. 1,672,521; June 5.
- Plug connector, Electrical. A. J. Frogue and J. I. Sloan. 1,658,522; Feb. 7.
- Plug, Connecting. R. M. Mann. 1,687,167; Oct. 9.
- Plug, Connecting. L. G. Pacent. 1,683,370; Sept. 4.
- Plug, Connecting. J. C. Stearns. 1,674,804; June 26.
- Plug, Connection. E. B. Nowosielski. 1,669,013; May 8.
- Plug, Crank-shaft oil. G. D. Angle. 1,693,882; Dec. 4.
- Plug, Electric attachment. G. Lipschutz. 1,685,608; Sept. 25.
- Plug, Electric connecting. J. G. Peterson. Re17,068; Aug. 21.
- Plug, Electric connecting. J. G. Peterson. 1,681,908; Aug. 21.
- Plug, Electric extension. J. A. Fournery. 1,669,193; May 8.
- Plug, Flashing. N. Abramson. 1,685,515; Sept. 25.
- Plug, Flow. E. E. Greve. 1,671,580; May 29.
- Plug for anchoring rails on concrete supports, Wooden. E. F. L. Vagneux. 1,696,131; Dec. 18.
- Plug for bathers, Ear. L. Santi. 1,694,952; Dec. 11.
- Plug for cleaning tubes. E. Walker. 1,683,429; Sept. 4.
- Plug for electric connections. A. C. Bollmann and W. Davies. 1,662,817; Mar. 20.
- Plug for electric irons, Automatic cut-off. B. F. Ordway. 1,669,626; May 15.
- Plug for electric-light sockets. H. A. Austin. 1,684,166; Sept. 11.
- Plug for pipe joints, Metal. E. R. Dearing. 1,682,741; Sept. 4.
- Plug for valve lubrication, Porous metal. F. Neale. 1,687,780; Oct. 16.
- Plug for wells. S. L. Hartman. 1,690,536; Nov. 6.
- Plug, Fuse. W. H. Fabrey. 1,681,847; Aug. 21.
- Plug, Heaving. C. W. Hay and R. G. Johnson. 1,670,964; May 22.
- Plug key, Multiple. E. Roethlisberger. 1,696,326; Dec. 25.
- Plug lock, Electrical. J. B. Henry. 1,665,095; Apr. 3.
- Plug, Magnetic cut-out. C. Pape. 1,672,729; June 5.
- Plug, Magneto. A. C. Honeycutt. 1,672,158; June 5.
- Plug, Oil-well. R. I. Henderson. 1,657,751; Jan. 31.
- Plug, Pneumatic tire-casing repair. E. Cook. 1,670,242; May 15.
- Plug, Safety. W. Davis. 1,684,911; Sept. 18.
- Plug, Safety-latch split electrical. E. H. Semmens. 1,671,550; May 29.
- Plug, Self-closing crank-case drainage. J. L. Quinn. 1,659,047; Feb. 14.
- Plug, Separable. S. R. Swenson. 1,660,279; Feb. 21.
- Plug, Sparking. G. Mickel. 1,675,764; July 3.
- Plug, Steaming-tube. W. G. Shelton. 1,667,396; Apr. 24.
- Plug, Switch. J. Schoenfeld. 1,660,017; Feb. 21.
- Plug, Switch. W. J. Wise and T. O. Adams. 1,689,511; Oct. 30.
- Plug, Test. W. D. Stoughton. 1,690,183; Nov. 6.
- Plug, Tube-cleaning. H. T. Weis. 1,668,438; May 1.
- Plug, Tubular fibrous wall. J. J. Rawlings. 1,690,909; Nov. 6.
- Plug, Turning. J. C. Jankus. 1,666,496; Apr. 17.
- Plug, Twin-light. O. H. Van Amburg. 1,672,664; June 5.
- Plug, Two-light. T. A. Both. 1,672,556; June 5.
- Plug, Well. F. J. Spang. 1,686,185; Oct. 2.
- Plug wrench, Washout. A. W. Judge. 1,687,727; Oct. 16.
- Plugging oil wells, Device for. N. G. Britton. 1,671,223; May 29.
- Plugs, Manufacturing electric contact. B. Montell. 1,671,540; May 29.
- Plugs, Operating device for waste. E. F. Neidecken. 1,671,202; May 29.
- Plumb bob. F. M. Lewis. 1,680,297; Aug. 14.
- Plumber's furnace. O. Bernz. 1,678,316; July 24.
- Plumber's trap. F. D. Blauvelt. Des. 76,217; Sept. 4.
- Plumbing device. T. P. Cummings. 1,683,336; Sept. 4.
- Plumbing fitting. R. N. Murphy. 1,655,796; Jan. 10.
- Plumbing fixture. F. J. Cantrell. 1,668,802; May 8.
- Plumbing fixture. F. J. Cantrell. 1,679,561; Aug. 7.
- Plumbing fixture. H. W. Slining. 1,679,276; July 31.
- Plumbing fixtures, Attachment for. E. Rickersberg. 1,655,799; Jan. 10.
- Plunger. W. G. Kraus. 1,657,478; Jan. 31.
- Plunger for bottle-making machines, Nonpull. H. J. Pawling and H. A. Crispin. 1,670,821; May 22.
- Plunger mechanism. A. Novick. 1,656,601; Jan. 17.
- Plunger mechanism, Reciprocating. R. Conrader. 1,672,805; June 5.
- Plunger, Plumber's. E. S. Fiedler. 1,673,447; June 12.
- Plunger, Pump. D. Barnard. 1,696,563; Dec. 25.
- Plungers, Guard for self-starter. J. A. Quathamer. 1,658,857; Feb. 14.
- Plywoods, Manufacturing. F. L. Walker. 1,689,705; Oct. 30.
- Pneumatic action. J. S. Maxwell. 1,664,041; Mar. 27.
- Pneumatic apparatus for cutting coal and the like. C. Brozeit. 1,673,899; June 19.
- Pneumatic core. E. E. Dearth. 1,674,765; June 26.

- Pneumatic-dispatch apparatus. E. Backhouse. 1,661,027; Feb. 28.
- Pneumatic displacement device. F. T. Hastings. 1,657,796; Jan. 31.
- Pneumatic guard. D. J. Kennedy. 1,691,658; Nov. 13.
- Pneumatic jack. R. D. Scott. 1,665,985; Apr. 10.
- Pneumatic mechanism for handling sheets. P. A. Gollnick and J. J. Toolan. 1,669,556; May 15.
- Pneumatic motor. J. O. Jernberg. 1,673,514; June 12.
- Pneumatic signal. C. Cooper. 1,660,785; Feb. 28.
- Pneumatic spring. G. R. Joughins. 1,691,482; Nov. 13.
- Pneumatic spring, Adjustable. S. Quisling. 1,676,350; July 10.
- Pneumatically-operated station. R. J. Wensley. 1,695,906; Dec. 18.
- Pocket, Automobile-door-. G. C. Irons. 1,694,855; Dec. 11.
- Pocketbook. R. Appel. 1,674,153; June 19.
- Pocketbook. W. H. Sanford. 1,679,500; Aug. 7.
- Pocketbook, Lady's-. S. M. Lodewick. Des. 77,011; Nov. 27.
- Pocketbook, Safety-. W. J. Graves. 1,679,606; Aug. 7.
- Pocket comb. B. Pollak. 1,671,312; May 29.
- Pocket construction. F. Mayer. 1,664,460; Apr. 3.
- Pocket, Detachable. S. E. Davis. 1,655,895; Jan. 10.
- Pocket, Dustproof watch. F. X. Schunbauer and G. Niklas. 1,657,973; Jan. 31.
- Pocket, Garment. D. Traxler. Re16,916; Mar. 27.
- Pocket guard. C. Tannebaum. 1,692,712; Nov. 20.
- Pocket instrument. J. E. Mayhew. 1,655,429; Jan. 10.
- Pocketknife. R. L. Horsley. 1,655,814; Jan. 10.
- Pocket lamps operated by hand levers and toothed segments, Stop for the driving gears of dynamo. O. Janzen. 1,658,087; Feb. 7.
- Pocket, Stake. L. D. Gregg. 1,691,473; Nov. 13.
- Pocket, Wall. C. Apelt. Des. 76,338; Sept. 18.
- Pocket, Wall. R. De Boer. 1,680,668; Aug. 14.
- Point construction for iron network, Junction-. W. Bauersfeld and O. Schmidt. 1,679,753; Aug. 7.
- Pointing and drawing wires. W. H. Sommer. 1,696,698; Dec. 25.
- Pointing and threading machine, Automatic. J. A. Kinney. 1,677,238; July 17.
- Pointing wires, Apparatus for. W. H. Sommer. 1,696,697; Dec. 25.
- Poison bottles, Safety harness for. E. J. Palmer. 1,662,469; Mar. 13.
- Poke. C. J. Spencer. 1,693,469; Nov. 27.
- Poker-chip set. F. R. Belt. 1,690,394; Nov. 6.
- Poker-set stand. A. P. Ball. Des. 76,658; Oct. 23.
- Pole. A. W. Malone. 1,696,772-3; Dec. 25.
- Pole. C. F. Pine. 1,680,172; Aug. 7.
- Pole butt. J. R. Kearney. 1,676,266; July 10.
- Pole center, Drapery-. G. M. Long. Des. 77,163-4; Dec. 11.
- Pole, Collapsible. N. N. Brown. 1,679,513; Aug. 7.
- Pole construction, Metal. R. M. Clark. 1,672,246; June 5.
- Pole, Curtain. C. W. Smith. 1,663,356; Mar. 20.
- Pole end, Drapery-. A. Dlouhy. Des. 76,009; Aug. 14.
- Pole holder and oarlock, Fish-. E. Eck. 1,665,914; Apr. 10.
- Pole, Illuminated barber. J. L. Michalski. 1,688,017; Oct. 16.
- Pole, post, and tree protector. N. E. Barnes. 1,673,729; June 12.
- Pole-strengthening means. J. H. Marquardt. 1,668,020; May 1.
- Pole-supporting device. A. W. Bensley. 1,663,153; Mar. 20.
- Poles, Method and apparatus for placing. A. Ehrler. 1,679,297; July 31.
- Poles, Metal base for timber. A. J. Wiley. 1,665,995; Apr. 10.
- Poles or rods, End for drapery. G. Madvig. Des. 75,977; Aug. 7.
- Poles, Reinforcement for. G. B. Spring. 1,672,789; June 5.
- Poles, Reinforcement for. G. B. Spring. 1,679,747; Aug. 7.
- Police signal, Electrical. F. P. A. Weyler and H. Freed. 1,683,274; Sept. 4.
- Polish. G. W. Darlington. 1,689,864; Oct. 30.
- Polish applying and rubbing implement. E. A. Farish. 1,663,545; Mar. 27.
- Polish box, Shoe. G. C. Reid. 1,691,304; Nov. 13.
- Polish-rod grip. R. G. Hamaker. 1,673,563; June 12.
- Polished-rod rotator. A. Boynton. 1,667,240; Apr. 24.
- Polisher, Electric. H. A. Zweig. 1,667,579; Apr. 24.
- Polisher, Floor. H. L. Braun. 1,660,412; Feb. 28.
- Polisher, Floor. H. V. Schaedel. 1,694,983; Dec. 11.
- Polisher, Floor. A. F. Steiert and O. W. Linke. 1,656,651; Jan. 17.
- Polisher, Pivot. J. P. Wood. 1,667,232; Apr. 24.
- Polisher, Roll. S. B. Mansell. 1,672,462; June 5.
- Polisher, Roll. J. D. Williams. 1,689,656; Oct. 30.
- Polisher, Watch jewel-setting. H. Curtis. 1,683,871; Sept. 11.
- Polisher, Wax-distributing floor. E. R. Gedge. 1,691,024; Nov. 6.
- Polishers, Attachment for pivot. J. P. Wood. 1,667,231; Apr. 24.
- Polishing apparatus, Floor-. W. Kicherer. 1,660,384; Feb. 28.
- Polishing apparatus, Glass-. C. H. Christie. 1,673,733; June 12.
- Polishing attachment for pin trimming and polishing machines, Bowling ball-. O. E. Zimmerling. 1,694,900; Dec. 11.
- Polishing attachment for vacuum cleaners. B. Freeman. 1,684,698; Sept. 18.
- Polishing and rubbing machine, Panel. K. A. Weber. 1,694,046; Dec. 4.
- Polishing composition, Metal-. W. Breitzke. 1,669,281; May 8.
- Polishing device. C. H. Fennell. 1,657,569; Jan. 31.
- Polishing device. L. F. Phillips. 1,675,662; July 3.
- Polishing device. S. G. Wilson. 1,677,742; July 17.
- Polishing implement, Manicurist's. P. C. P. Booty. Des. 74,540; Feb. 28.
- Polishing kit, Shoe-. J. Kowalski. 1,671,828; May 29.
- Polishing machine. T. Kirwin, and H. O. Plaus. 1,668,966; May 8.
- Polishing machine, Floor-. G. O. Miskimen. 1,668,692; May 8.
- Polishing machine, Worm-thread-. J. L. Perkins. 1,660,811; Feb. 28.
- Polishing metal surfaces. W. L. Weber. 1,682,157; Aug. 23.
- Polishing pad. S. Yamanaka. 1,690,960; Nov. 6.
- Polishing pad for lenses and making same. J. D. Gamble. 1,693,598; Dec. 4.
- Polishing plates of glass, marble, or other material, Apparatus for. F. Waldron. 1,687,959; Oct. 16.
- Polishing sheet material, Apparatus for. J. H. Walcott. 1,673,432; June 12.
- Polishing surfaces composed of cellulose-ester compositions, Composition for. J. E. Hirsh and A. D. Robson. 1,690,680; Nov. 6.
- Polishing wheel. D. F. McGovern. 1,667,076; Apr. 24.
- Polishing wheel, Stone-. S. H. Mills. 1,670,780; May 22.
- Polychromatic screens for color photography, Making. R. C. M. de Bercegol. 1,673,349; June 12.
- Polymerization and purification of hydrocarbons. S. P. Miller and J. B. Hill. 1,679,093; July 31.
- Polysulphides and making the same, Substituted thiuram. G. S. Whitby. 1,681,717; Aug. 21.
- Pool, Swimming. W. A. Becker. 1,670,094; May 15.
- Pool, Swimming. J. M. Vietti. 1,685,969; Oct. 2.
- Pop corn, Ear-forming apparatus for. H. M. Laubach. 1,664,120; Mar. 27.
- Pop-corn machine. S. Nelson. 1,682,018; Aug. 28.
- Popper, Corn. H. A. Longino. 1,679,431; Aug. 7.
- Porcelain and enameled ware, Protecting. T. H. Mitten-dorf. 1,665,215; Apr. 10.
- Porcelain mill, Continuous. A. G. Sherman and A. Meadows. 1,681,441; Aug. 21.
- Porch light, Automatic. G. H. Brown. 1,661,994; Mar. 6.
- Porous material, Making. B. Granville. 1,691,280; Nov. 13.
- Porous medium and making the same. F. C. Dyer. 1,660,155; Feb. 21.
- Portable chair. G. Nitti. 1,673,988; June 19.
- Portable cleaner. A. W. Holmes, D. E. Jaques, and H. B. Coats. 1,691,193; Nov. 13.
- Portable drier. H. E. Myers. 1,677,197; July 17.
- Portable elevator. H. Druschel. 1,658,042; Feb. 7.
- Portable elevator. H. S. Germond, Jr. 1,683,457; Sept. 4.
- Portable elevator. H. Green. 1,667,547; Apr. 24.
- Portable house, Sectional-built. G. W. Rappleyea. 1,689,642; Oct. 30.
- Portable trip device. H. Karl. 1,668,153; May 1.
- Portfolio. J. H. Anderson. 1,657,102; Jan. 24.
- Portfolio. L. Danziger. 1,663,335; Mar. 20.
- Portfolio. J. D. Douglas. 1,659,394; Feb. 14.
- Portfolio. J. D. Douglas. 1,659,395; Feb. 14.
- Portfolio. J. D. Douglas. 1,675,406; July 3.
- Portfolio and brief case, Combination. J. D. Douglas. 1,691,049; Nov. 13.
- Portfolio, Paper. A. E. Osborn. 1,663,171; Mar. 20.
- Portfolio, Record. C. F. Miller and E. A. Turner. 1,656,217; Jan. 17.
- Positioning and aligning structures in aqueous bodies. F. B. Smith. 1,678,127; July 24.
- Positioning device. F. E. Bertrand. 1,681,970; Aug. 28.
- Positioning device for railway-car couplers. A. E. Small. 1,695,351; Dec. 18.
- Positioning device, Work-. J. C. Hardie. 1,682,040; Aug. 28.
- Positioning mechanism, Full-cycle. G. C. Chase. 1,664,661; Apr. 3.
- Post: See—
- | | |
|----------------|-------------------|
| Binder post. | Newel post. |
| Binding post. | Steel fence post. |
| Fence post. | Tone post. |
| Temp post. | Tool post. |
| Mail-box post. | |
- Post. F. A. Burns. 1,670,236; May 15.
- Post. E. W. Kibbey. 1,657,127; Jan. 24.
- Post. S. Macomber. 1,675,188; June 26.
- Post. E. M. Sparks. 1,658,863; Feb. 14.
- Post. J. F. Stimson. 1,681,020; Aug. 14.
- Post-base trimmer. H. O. Allison. 1,665,726; Apr. 10.
- Post cap. A. De Vries. Des. 74,826; Apr. 3.
- Post cap. F. G. Welsch. Des. 74,461; Feb. 14.
- Post construction. S. Smiley, Jr. 1,669,382; May 8.
- Post for supporting an automobile axle, Adjustable. M. C. Supan. 1,693,411; Nov. 27.
- Postage meter. A. H. Pitney. 1,657,279; Jan. 24.

- Posting tray. C. B. Harrison. 1,663,198; Mar. 20.
 Pot: See—
 Annealing pot. Measuring pot.
 Draw pot. Melting pot.
 Chamber pot. Metal pot.
 Cooking pot. Spinning pot.
 Gluetop. Tinning pot.
 Pot furnace. A. J. Hanson. 1,694,416; Dec. 11.
 Pot or similar article. E. N. Cornell. Des. 75,614-15; June 26.
 Pot or similar article. L. J. Kaplan. Des. 74,375; Feb. 7.
 Pots, Making annealing. J. H. Taylor. 1,688,999; Oct. 23.
 Pottery. C. D. Hyten. 1,657,997; Jan. 31.
 Pottery-forming die. J. Andronowicz. 1,683,855; Sept. 11.
 Pottery-making method. A. E. Radford. 1,665,978; Apr. 10.
 Pottery or the like, Manufacture of. J. W. Mellor. 1,666,828; Apr. 17.
 Potassium chloride, Recovery of. N. M. McGrane. 1,688,873; Oct. 23.
 Potassium ferrocyanide, Producing. G. H. Buchanan and C. M. Hulings. 1,667,839; May 1.
 Potassium from compounds of aluminum, Separating compounds of. H. J. Falck. 1,667,968; May 1.
 Potato and vegetable cutter. B. Kools. 1,669,092; May 8.
 Potato-chip machine. J. J. McCarthy. 1,666,019; Apr. 10.
 Potato cutter, Seed-. W. H. Pigg. 1,681,681; Aug. 21.
 Potato cutter, Seed-. T. A. True. 1,695,905; Dec. 18.
 Potato digger. T. Giberson. 1,685,230; Sept. 25.
 Potato digger. J. Reuther. 1,692,468; Nov. 20.
 Potato digger. L. V. Thayer. 1,678,490; July 24.
 Potato hiller. J. E. Durepo. 1,684,017; Sept. 11.
 Potential-control apparatus. H. J. Wiegand. 1,672,290; June 5.
 Potential generator, Alternating-. W. H. T. Holden. 1,680,377; Aug. 14.
 Potentiometer. J. C. Snell. 1,672,916; June 12.
 Pouch, bag, or pocket. D. Stocks. 1,669,791; May 15.
 Pouch, Game. J. W. Rich. 1,685,243; Sept. 25.
 Pouch or container. J. Peterson. 1,667,869; May 1.
 Poulitice-making machine. R. H. Plass. 1,677,685; July 17.
 Poultry drinking fountain. R. M. Edington. 1,673,814; June 19.
 Poultry feeder. B. M. Hall. 1,656,061; Jan. 10.
 Poultry feeder. F. W. Lord. 1,656,122; Jan. 10.
 Poultry fountain. E. Grice. 1,654,802; Jan. 3.
 Poultry fountain, Cleanable. J. T. Landgraf. 1,655,274; Jan. 3.
 Poultry-scalding means. A. G. Egbert. 1,678,936; July 31.
 Pouring and lifting device. M. W. Goldberg. 1,665,452; Apr. 10.
 Powder and making, Dispersing. E. R. Allen and W. E. Kaufmann. 1,665,945; Apr. 10.
 Powder and puff case. T. A. De Vilbiss. Des. 74,420; Feb. 14.
 Powder box. J. A. Clarke. 1,676,132; July 3.
 Powder box. T. J. Clarke. 1,693,435; Nov. 27.
 Powder box. C. S. Humphrey. 1,680,150; Aug. 7.
 Powder box. F. K. Krag. 1,670,582; May 22.
 Powder box. P. A. Reutter. 1,668,658; May 8.
 Powder box. B. M. Roberts. 1,671,379; May 29.
 Powder box. J. Schall. 1,674,525; June 19.
 Powder box. J. Striss. 1,688,442; Oct. 23.
 Powder box, Talcum. H. R. Corey. 1,688,688; Oct. 23.
 Powder, Dental. M. Parisi. 1,664,182; Mar. 27.
 Powder-dispersing device. R. R. Root. 1,676,462; July 10.
 Powder-distributing machine. L. Wilson. 1,659,179; Feb. 14.
 Powder, Drying bleaching. J. T. Conroy, A. Lambie, and J. J. Latham. 1,680,087; Aug. 7.
 Powder for welding castings, particularly of gray cast iron. F. Politz. 1,669,840; May 15.
 Powder head. J. B. Sperry. 1,674,141; June 19.
 Powder, Making leaden. C. A. Hall. 1,675,345; July 3.
 Powder, Preparing progressive-burning smokeless. B. Troxler. 1,661,278; Mar. 6.
 Powder press. W. G. Kendall. 1,666,212; Apr. 17.
 Powder puff. E. Danielson. Des. 74,968; Apr. 24.
 Powder puff. F. L. Kincannon. Des. 74,231; Jan. 10.
 Powder puff. L. L. Raynor. 1,682,984; Sept. 4.
 Powder puff. H. G. Volckening. 1,692,876; Nov. 27.
 Powder puff and making same. J. Baer. 1,658,795; Feb. 14.
 Powder puff and making the same. J. E. Valentine. 1,661,778; Mar. 6.
 Powder-puff device, Folding. A. Willk. 1,658,542; Feb. 7.
 Powder-puff holder and loose-powder container. L. Friedberg. 1,659,485; Feb. 14.
 Powder puffs and improved puff, Finishing flat. C. H. Fuchs. 1,690,483; Nov. 6.
 Powdered material, Apparatus for distributing. V. Royle. 1,659,577; Feb. 21.
 Powdering machine, Automatic. S. Lipsius. 1,696,171; Dec. 18.
 Power-amplifying system. E. W. Kellogg. 1,665,883; Apr. 10.
 Power appliance, Hydraulic. W. W. Muir. 1,668,817; May 8.
 Power attachment for corn pickers. K. Tjossom. 1,694,608; Dec. 11.
 Power brake. D. C. Conkling. 1,672,481; June 5.
 Power chucking device. E. P. Bullard, jr. 1,690,567; Nov. 6.
 Power clamp. E. C. Loetscher. 1,684,548; Sept. 18.
 Power connection and equivalent device, Releasable. J. S. Coldwell. 1,664,190; Mar. 27.
 Power-control apparatus. A. H. Mittag. 1,654,989; Jan. 3.
 Power-control device. G. H. Hines. 1,678,595; July 24.
 Power-control device. G. H. Hines. 1,681,613; Aug. 21.
 Power control device. A. Rosenthal. 1,691,586; Nov. 13.
 Power drive for motor-vehicle steering mechanism. F. F. Main. 1,669,259; May 8.
 Power drive mechanism. H. C. Osborn. 1,668,866-7; May 8.
 Power-driven drill. J. W. Doyle. 1,675,168; June 26.
 Power-driven mechanism to a predetermined position, Device for resetting. M. Chirol. 1,672,802; June 5.
 Power engine, Combustion-. F. Lang. 1,679,832; Aug. 7.
 Power excavating machine. H. Lemp. 1,670,773; May 22.
 Power-factor control system. E. F. W. Alexanderson. 1,655,038; Jan. 3.
 Power from tides, System for developing. J. A. Knowlton. 1,695,733; Dec. 18.
 Power-generating system having air heater. W. S. Monroe. 1,656,985; Jan. 24.
 Power generator. A. T. Kasley. 1,670,072; May 15.
 Power generator, Air-operated. W. L. Hays. 1,663,943; Mar. 27.
 Power installation. K. M. Holt. 1,670,070; May 15.
 Power installation. A. Pfau. 1,671,047; May 22.
 Power installation. A. Pfau. 1,674,610; June 19.
 Power installation, Marine. A. T. Kasley. 1,667,475; Apr. 24.
 Power installation, Steam-. J. McCallum and H. P. H. Anderson. 1,661,900; Mar. 6.
 Power lift for road machines. R. C. Williamson. 1,690,391; Nov. 6.
 Power-limiting device, Electrical. G. Crisson. 1,691,150; Nov. 13.
 Power lines, Splicer for. J. D. Scott. 1,656,797; Jan. 17.
 Power machines, Automatic guard for the intermittently-operated rams of. H. C. Paecht. 1,664,790; Apr. 3.
 Power means for ships and the like, Auxiliary. J. A. Choquette. 1,689,114; Oct. 23.
 Power mechanism. F. F. Dorsey. 1,688,380; Oct. 23.
 Power mechanism. W. H. Himes. 1,673,566; June 12.
 Power mechanism. R. G. Thompson. 1,661,710; Mar. 6.
 Power mechanism. R. G. Thompson. 1,681,267; Aug. 21.
 Power meter, Electric torsion. W. W. Smith and E. W. Erickson. 1,685,964; Oct. 2.
 Power-operated brake. L. Krupp. 1,696,851; Dec. 25.
 Power-operated portable loader. G. Manierre. 1,687,841; Oct. 16.
 Power-operated wrench. J. Jorden. 1,666,600; Apr. 17.
 Power-operated wringer. W. K. Howe. 1,667,472; Apr. 24.
 Power plant. R. C. Allen. 1,684,082; Sept. 11.
 Power plant. M. I. Browne. 1,670,953; May 22.
 Power plant. M. Plochmann. 1,679,494; Aug. 7.
 Power plant. H. F. Schmidt. 1,687,109; Oct. 9.
 Power plant. W. Schmidt. 1,659,963; Feb. 21.
 Power plant. G. C. Taylor. 1,676,935; July 10.
 Power plant. F. A. Trinkle. 1,685,791; Oct. 2.
 Power plant. J. G. Weir. 1,695,936; Dec. 18.
 Power plant. R. Wintzer. 1,673,476; June 12.
 Power plant, Automotive steam-. A. C. Staley. 1,664,329; Mar. 27.
 Power plant, especially for self-propelled vehicles. J. Robson. 1,679,544; Aug. 7.
 Power-plant mounting. A. Kreig. 1,671,768; May 29.
 Power-plant mounting. A. F. Masury and C. Froesch. 1,664,040; Mar. 27.
 Power plant, Refinery. M. J. Trumble. 1,658,910; Feb. 14.
 Power plant utilizing caustic soda or other auxiliary fluid, Steam and other vapor. E. Koenemann. 1,687,941; Oct. 16.
 Power plants, Automatic fuel-regulating device for steam-. C. A. French and R. R. Waterman. 1,681,530; Aug. 21.
 Power plants, Operating control means for automotive steam-. R. R. Waterman. 1,681,508; Aug. 21.
 Power press. J. C. Ledbetter. 1,688,049; Oct. 16.
 Power press. H. C. H. Walsh. 1,666,275; Apr. 17.
 Power press. B. J. Yanchenko. 1,688,066; Oct. 16.
 Power press, High-pressure. J. G. Collins. 1,677,132; July 17.
 Power presses, Safety device for foot. C. G. Armstrong. 1,684,569; Sept. 18.
 Power pressing machine. C. E. Waresam and G. N. Link. 1,667,756; May 1.
 Power, Producing. M. J. Trumble. 1,667,403; Apr. 24.
 Power reel, Electric. B. G. Bird and H. D. Wright. 1,674,239; June 19.
 Power regulation, Electric. R. Carlstedt. 1,666,438; Apr. 17.
 Power regulator. H. C. Reese. 1,668,467; May 1.
 Power shovel. E. E. Peterson. 1,665,378; Apr. 10.
 Power shovel. W. W. Sloane. 1,692,872; Nov. 27.
 Power shut-off, Automatic vibrating. A. H. Brandon. 1,679,929; Aug. 7.
 Power station. T. Stein. 1,680,752; Aug. 14.

- Power-stopping device. N. L. Dauplaise. Re17,065; Aug. 14.
- Power supply. H. P. Donle. 1,696,880; Dec. 25.
- Power system. C. Macmillan. 1,655,469; Jan. 10.
- Power system. C. Macmillan. 1,667,633; Apr. 24.
- Power system. C. Macmillan. 1,689,493; Oct. 30.
- Power system. C. Macmillan. 1,689,532; Oct. 30.
- Power system. H. C. Mallory. 1,658,089; Feb. 7.
- Power system, Electrical. J. J. Kane. 1,672,847; June 5.
- Power system, Gas-electric. A. H. Candee. 1,664,242; Mar. 27.
- Power system, Hydraulic. H. B. Taylor. 1,681,711; Aug. 21.
- Power take-off, Two-speed. S. B. Gorbitt. 1,691,346; Nov. 13.
- Power to vehicles, Transmission of. A. U. Avera. 1,681,385; Aug. 21.
- Power transfer and control device. L. R. Heisler. 1,673,509; June 12.
- Power transmission. L. R. Bushyager. 1,696,836; Dec. 25.
- Power transmission. H. B. Chalmers. 1,688,785; Oct. 23.
- Power transmission. P. J. Cunningham. 1,695,951; Dec. 18.
- Power transmission. C. R. Nichols. 1,685,371; Sept. 25.
- Power transmission. A. G. and A. Ronning. 1,686,532; Oct. 9.
- Power transmission. J. and F. A. Reece. 1,691,610-12; Nov. 13.
- Power transmission. C. S. Sorensen. 1,689,537; Oct. 30.
- Power transmission. J. Werz. 1,688,167; Oct. 16.
- Power-transmission apparatus. A. A. Densmore. 1,688,486; Oct. 23.
- Power transmission, Apparatus for. L. B. Harris. 1,694,938; Dec. 11.
- Power-transmission chain. H. E. Sturtevant. 1,692,799; Nov. 20.
- Power-transmission device. W. Henry. 1,696,632; Dec. 25.
- Power-transmission device. W. B. McCall. 1,680,899; Aug. 14.
- Power-transmission device, Automatic speed-changing. H. J. Murray. 1,692,091; Nov. 20.
- Power transmission device, Differential. J. W. Lyons. 1,688,194; Oct. 16.
- Power-transmission device, Hydraulic. C. D. James. 1,696,307; Dec. 25.
- Power transmission, Driving connection for. W. J. Guild. 1,669,749; May 15.
- Power transmission, Effecting. A. H. Asprooth and A. M. Leoi. 1,678,798; July 31.
- Power-transmission jack. T. E. Raines. 1,657,937; Jan. 31.
- Power-transmission means. L. E. G. Buehler. 1,668,709; May 8.
- Power-transmission means. B. O. Ward. 1,691,834; Nov. 13.
- Power-transmission mechanism. A. Abramson. 1,692,531; Nov. 20.
- Power-transmission mechanism. M. A. Beck. 1,673,795; June 19.
- Power-transmission mechanism. H. C. Harrison. 1,668,715; May 8.
- Power-transmission mechanism. J. W. Hughes. 1,664,253; Mar. 27.
- Power-transmission mechanism. A. Williams. 1,672,014; June 5.
- Power-transmission mechanism, Sliding-gear. J. S. Brown. 1,674,093; June 19.
- Power-transmission mechanism, Variable. E. C. Gayer. 1,667,290; Apr. 24.
- Power transmission, Planetary. R. H. Ling. 1,668,852; May 8.
- Power-transmission system. W. C. Stevens. 1,665,825; Apr. 10.
- Power transmission, Variable-speed. A. Dow. 1,665,408; Apr. 10.
- Power transmission, Variable-speed. A. Dow. 1,673,278-9; June 12.
- Power-transmitter. G. M. Eames and I. F. Webb. 1,688,414; Oct. 23.
- Power transmitter. G. A. Klimek. 1,689,245; Oct. 30.
- Power transmitter, Hydraulic. G. A. Klimek. 1,689,244; Oct. 30.
- Power transmitting and brake unit. L. K. Heiner and W. M. Moore. 1,657,827; Jan. 31.
- Power-transmitting apparatus. J. D. Nixon. 1,684,679; Sept. 18.
- Power-transmitting device. H. P. Fowler. 1,679,213; July 31.
- Power-transmitting device. C. McPherson. 1,664,567; Apr. 3.
- Power-transmitting mechanism. J. B. Armitage. 1,670,794; May 22.
- Power-transmitting mechanism. R. B. Bagby. 1,665,835; Apr. 10.
- Power-transmitting mechanism. W. Geist. 1,662,511; Mar. 13.
- Power-transmitting mechanism. L. H. Keim. 1,671,475; May 29.
- Power-transmitting mechanism, Fluid-. A. R. Thompson. 1,659,753; Feb. 21.
- Power-transmitting unit for well rigs. E. Pratt. 1,690,376; Nov. 6.
- Power unit. P. C. Day. 1,657,245; Jan. 24.
- Power unit, Automobile. F. O. Hazen. 1,669,299; May 8.
- Prayer-bead device. J. Costello. 1,661,877; Mar. 6.
- Preburning preparation of fuels. J. M. W. Kitchen. 1,678,863; July 31.
- Precision-adjustment device. W. D. Eakin. 1,669,698; May 15.
- Predeterminer and indicator. E. M. Pierce and W. M. Carroll. 1,684,926; Sept. 18.
- Preheater. G. Wilcox. 1,664,055; Mar. 27.
- Preheater, Air. C. S. Reed. 1,683,804; Sept. 11.
- Preheater for furnaces, Air. L. T. Mart. 1,695,434; Dec. 18.
- Preheater for type and lead casting machines. R. J. Roberts. 1,684,112; Sept. 11.
- Preheating device, Fuel-oil. J. T. McTarnahan. 1,671,993; June 5.
- Preheating the charge in shaft furnaces. A. L. Feild. 1,695,953; Dec. 18.
- Preparation for cleaning metal preparatory to painting. J. D. Klinger and C. L. Boyle. 1,665,465; Apr. 10.
- Preparation of fresh fruit for market. E. M. Brogden and M. L. Trowbridge. 1,693,573; Nov. 27.
- Preparation of fur for shrinking and felting. J. H. Martin. 1,685,168-9; Sept. 25.
- Preparation, Skin. D. Brandon. 1,675,840; July 3.
- Preparing and preserving citrus-fruit juices. W. H. Bradley. 1,673,493; June 12.
- Preparing spinach and the like for canning. W. E. Thomas. 1,685,511; Sept. 25.
- Presenting apparatus. F. M. Furber. 1,681,227; Aug. 21.
- Preservation of cheese. E. E. Eldredge. 1,693,025; Nov. 27.
- Preservation of dairy products. E. E. Eldredge. 1,693,026; Nov. 27.
- Preservation of food products. D. Tenney. 1,679,386; Aug. 7.
- Preservative and preserving yeast therewith. W. R. Johnston. 1,667,895; May 1.
- Preserver, Inflatable life. P. Markus. 1,694,714; Dec. 11.
- Preserver, Moisture. S. P. Shell. 1,693,318; Nov. 27.
- Preserving beverages. F. J. Andress. 1,691,538; Nov. 13.
- Preserving composition, Wood-. C. Williams and F. Francois. 1,690,390; Nov. 6.
- Preserving food products, Composition for. H. Buel. 1,680,934; Aug. 14.
- Preserving products formed of rubber. T. M. Rector. 1,688,355; Oct. 23.
- Preserving rice polish. J. H. Sasseen. 1,662,401; Mar. 13.
- Preserving vegetable produce. A. B. Haslacher. 1,668,903; May 8.
- Preserving wood and wood preservative. G. Gunn. 1,684,222; Sept. 11.
- Press: See—
- Assembly press. Lead-cable press.
 - Automatic die press. Mandrel-upsetting press.
 - Baling press. Manually-operated press.
 - Bread-roll press. Matrix-drying press.
 - Brick press. Metal-working press.
 - Cider press. Necktie press.
 - Continuous press. Platen printing press.
 - Conveyer garment press. Power press.
 - Cutting and creasing press. Printer press.
 - Denture press. Printing press.
 - Die press. Propeller-twisting press.
 - Drill press. Punch press.
 - Drying press. Punching press.
 - Extrusion press. Screw press.
 - Filter press. Seal press.
 - Forging press. Sealing press.
 - Fruit and vegetable press. Seaming press.
 - Fruit press. Sheet-metal press.
 - Garment press. Shoe press.
 - Garment and laundry press. Stamping press.
 - Garment steam and air press. Steam press.
 - Glass press. Straining press.
 - Golf-club press. Tie press.
 - Heel press. Tobacco press.
 - Hydraulic press. Toggle press.
 - Press. F. V. Anderson. 1,694,114; Dec. 4.
 - Press. R. T. Anderson. 1,667,648; Apr. 24.
 - Press. M. E. Ballard. 1,657,059; Jan. 24.
 - Press. H. Bernier. 1,688,227; Oct. 16.
 - Press. F. Blando. 1,675,444-5; July 3.
 - Press. A. Breidenberg. 1,687,968; Oct. 16.
 - Press. A. A. Byerlein. 1,661,874; Mar. 6.
 - Press. A. B. Clisson. 1,666,734; Apr. 17.
 - Press. J. M. Craig. 1,670,761; May 22.
 - Press. L. E. Dougherty. 1,676,821; July 10.
 - Press. J. C. Ledbetter. 1,657,539; Jan. 31.
 - Press. F. Menne. 1,666,020; Apr. 10.
 - Press. B. Rollman. 1,687,516; Oct. 16.
 - Press. J. L. Snyder. 1,675,669; July 3.
 - Press. A. Ziska, Jr. 1,690,152; Nov. 6.
 - Press-blanket clamp, Printing. J. R. Blaine. 1,686,065; Oct. 2.
 - Press board. A. M. Harvey. 1,663,373; Mar. 20.
 - Press-button fastening. J. F. Morse. 1,657,174; Jan. 24.
 - Press compensator. E. J. Yanchenko. 1,667,831; May 1.
 - Press ductor mechanism, Printing. J. R. Blaine. 1,683,243; Sept. 4.

- Press-feed guide. W. I. Nye. 1,681,360; Aug. 21.
 Press fitting commutators upon armature shafts, Apparatus for. L. E. Poole. 1,670,984; May 22.
 Press for baling cotton, Steel-bound. T. Elliott. 1,659,865; Feb. 21.
 Press for clothes, Steam. W. S. Hadaway, jr. 1,682,903; Sept. 4.
 Press for cutting or punching sheet material. J. R. Oliver. 1,693,726; Dec. 4.
 Press for drawing sheet metal. G. W. Berry. 1,685,308; Sept. 25.
 Press for drawing sheet metal. C. J. Rhodes. 1,691,496; Nov. 13.
 Press for drying and ironing wearing linen. L. Flori. 1,675,929; July 3.
 Press for molding granular powders. R. L. Seabury. 1,687,995; Oct. 16.
 Press for shaping covers of teapots and the like. A. Handley. 1,675,550; July 3.
 Press for the cold extruding of tubes from metal disks. E. Walther. 1,675,676; July 3.
 Press for the quick drying and glazing of photographic prints. L. Crayssac. 1,677,916; July 24.
 Press for tie-plate flanges, Bending. M. Ovestrud. 1,666,345; Apr. 17.
 Press for treating boards of alkali cellulose and the like. W. Dützmann. 1,690,894; Nov. 6.
 Press for treating boards of alkaline cellulose and the like. W. Dützmann. 1,696,474; Dec. 25.
 Press-operating means. F. Blando. 1,673,308; June 12.
 Press plate for rail fishplates. Z. Klosowski. 1,660,875; Feb. 28.
 Press platen. L. McCarthy. 1,671,648; May 29.
 Press platen or the like. L. McCarthy. 1,671,647; May 29.
 Press pot and making same. F. S. Carver. 1,679,464; Aug. 7.
 Press side doors, Automatic balance for cotton-. J. J. Wallace. 1,668,437; May 1.
 Press stop, Automatic. W. Haney. 1,659,818; Feb. 21.
 Press-stopping mechanism, Automatic. C. D. McDonald. 1,663,020; Mar. 20.
 Press-stopping mechanism, Automatic die-. C. B. McDonald. 1,666,942; Apr. 24.
 Press timer. H. A. Stoddard. 1,663,526-7; Mar. 20.
 Pressed wheel. D. M. White. 1,660,660; Feb. 28.
 Presses, Adjusting apparatus for power. E. W. Zeh. 1,655,120; Jan. 3.
 Presses, Controlling mechanism for power. B. J. Lindgren. 1,655,617; Jan. 10.
 Presses, Feeding device for. H. L. Hetherington. 1,657,537; Jan. 31.
 Presses, Feeding device for shaping. S. F. Tojek. 1,662,218; Mar. 13.
 Presses, Fluid-pressure control for. J. A. Hinger, D. B. Mayer, and J. Wilson. 1,666,449; Apr. 17.
 Presses, Guard for punch. G. A. Guyot. 1,659,974; Feb. 21.
 Presses, Guard for punch. E. Ischinger. 1,655,271; Jan. 3.
 Presses, Guard for punch. E. Ischinger. 1,655,549; Jan. 10.
 Presses, Guard for punch. E. Ischinger. 1,656,202; Jan. 17.
 Presses, Guard for punch. E. Ischinger. 1,657,676; Jan. 31.
 Presses, Hydraulic and other. E. Sydney. 1,682,312; Aug. 28.
 Presses, Hydraulic cushion for metal. F. J. Rode. 1,670,552; May 22.
 Presses, Hydraulic cushion for sheet-metal. F. J. Rode. 1,664,485-7; Apr. 3.
 Presses in tandem or group, Operating garment. E. J. Carroll and W. P. Beattie. 1,672,303; June 5.
 Presses, Inking mechanism for printing. H. F. Bechman. 1,658,588; Feb. 7.
 Presses, Knock-out means for. F. C. Seidel. 1,674,925; June 26.
 Presses, Operating extruding. A. B. Brown. 1,654,526; Jan. 3.
 Presses, Riveting machine for power. C. H. Rollason. 1,659,444; Feb. 14.
 Presses, Safety device for power punch. J. E. Papas. 1,681,646; Aug. 21.
 Presses, Safety guard for punch. L. Boraks. 1,668,545; May 8.
 Presses, Sheet-handling device for. F. S. English. 1,657,203; Jan. 24.
 Presses, Stop mechanism for. J. Derry. 1,657,499; Jan. 31.
 Pressing and ironing machine. D. H. Benjamin. 1,674,274; June 19.
 Pressing apparatus. E. Davis. 1,686,312; Oct. 2.
 Pressing fabrics, Plant for. A. D. Heaton and J. O. Lang. 1,691,477; Nov. 13.
 Pressing glass. R. L. Ellery. 1,673,108; June 12.
 Pressing implement. L. Hoffman. 1,666,599; Apr. 17.
 Pressing implement. L. Hoffman. 1,687,562; Oct. 16.
 Pressing iron. O. Walker. Re16,886; Feb. 21.
 Pressing iron, Steam. J. Faust. 1,677,819; July 17.
 Pressing iron, Steam. N. Rubenstein. 1,672,040; June 5.
 Pressing machine. P. N. Braun. 1,679,019; July 31.
 Pressing machine. B. W. Brockett. 1,689,473; Oct. 30.
 Pressing machine. A. B. Clisson. 1,656,893; Jan. 17.
 Pressing machine. A. B. Clisson. 1,691,642; Nov. 13.
 Pressing machine. H. E. Cohen. 1,686,266; Oct. 2.
 Pressing machine. E. Davis. 1,688,920; Oct. 23.
 Pressing machine. S. Goldstein. 1,668,501; May 1.
 Pressing machine. G. W. Johnson. 1,673,363; June 12.
 Pressing machine. G. W. Johnson. 1,683,897; Sept. 11.
 Pressing machine. L. F. Rosenbaum and E. C. Bowers. 1,683,412; Sept. 4.
 Pressing machine. W. M. Talbott and J. C. Ledbetter. 1,669,633; May 15.
 Pressing machine and the like, Clothes-. J. Lepler. 1,694,224; Dec. 4.
 Pressing machine and work conveyer, Combined laundry. P. N. Braun. 1,687,967; Oct. 16.
 Pressing machine, Clothes-. H. H. Callan. 1,662,696; Mar. 13.
 Pressing machine, Clothes-. E. I. Chapin. 1,670,529; May 22.
 Pressing machine, Cuff, yoke, and neckband, Shirt-. P. N. Braun. 1,669,076; May 8.
 Pressing-machine element. E. Davis. 1,684,819; Sept. 18.
 Pressing machine, Garment-. W. H. Clisson. 1,691,267; Nov. 13.
 Pressing machine, Garment. H. G. Beede. 1,661,153; Mar. 6.
 Pressing machine, Garment-. H. E. Page. 1,682,852; Sept. 4.
 Pressing machine, Garment and laundry. A. B. Clisson and P. N. Braun. 1,670,713; May 22.
 Pressing machine, Knit-fabric-. G. A. Mattern. 1,671,646; May 29.
 Pressing-machine mechanism. A. B. Clisson. 1,691,641; Nov. 13.
 Pressing-machine mechanism. J. R. Daly. 1,656,664; Jan. 17.
 Pressing machine, Multiple-. P. N. Braun. 1,691,635; Nov. 13.
 Pressing-machine-operating mechanism. J. Neuroth. 1,689,744; Oct. 30.
 Pressing machine, Pipe coupling for garment-. R. H. Melzer. 1,674,018; June 19.
 Pressing-machine plaiting attachment. S. R. Christ and P. N. Braun. 1,679,813; Aug. 7.
 Pressing machine, Sole-. N. H. Knowlton. 1,694,445; Dec. 11.
 Pressing machine, Seam-. A. E. Greene. 1,686,810; Oct. 9.
 Pressing machine, Seam-. W. P. Osgood. 1,691,493; Nov. 13.
 Pressing machine, Seam-. L. B. Semel. 1,686,933; Oct. 9.
 Pressing machine, Shirt-. C. B. Kilby, M. Reinitz, and A. B. Clisson. 1,686,619; Oct. 9.
 Pressing machine (tail holder), Shirt-. P. N. Braun. 1,686,311; Oct. 2.
 Pressing machines, Actuating mechanism for. J. P. Daly. 1,682,372; Aug. 28.
 Pressing machines, Actuating mechanism for. E. Davis. 1,679,815; Aug. 7.
 Pressing machines, Actuating mechanism for. A. D. Maury. 1,676,866; July 10.
 Pressing machines, Burn guard for. J. P. Daly. 1,659,191; Feb. 14.
 Pressing machines, Combination back plate and plaiting attachment for. H. Diener. 1,663,368; Mar. 20.
 Pressing machines, Equalizing mechanism for. E. Davis. 1,682,488; Aug. 28.
 Pressing machines having stop and start motors, Mechanism for. A. J. Socia and J. P. Daly. 1,691,677; Nov. 13.
 Pressing machines, Mechanical movement for. E. Davis. 1,680,729; Aug. 14.
 Pressing machines, Neckband clamp for shirt-. A. B. Clisson. 1,667,286; Apr. 24.
 Pressing machines, Operating mechanism for. A. B. Clisson. 1,695,088; Dec. 11.
 Pressing machines, Pad for. J. P. Daly. 1,673,316; June 12.
 Pressing machines, Plaiting attachment for. H. Diener. 1,663,069; Mar. 20.
 Pressing machines, Power mechanism for. E. Davis. 1,670,763; May 22.
 Pressing machines, Pressure control for. E. Davis. 1,688,918; Oct. 23.
 Pressing machines, Tail-holding device for shirt-. A. B. Clisson. 1,657,564; Jan. 31.
 Pressing machines, Valve mechanism for. P. N. Braun. 1,674,240; June 19.
 Pressing of fabrics. A. D. Heaton and J. O. Lang. 1,691,476; Nov. 13.
 Pressing or forging machine, Electric. G. H. Phelps and T. E. Murray, jr. 1,658,056; Feb. 7.
 Pressing or punching machine. G. Brodsky. 1,684,296; Sept. 11.
 Pressing together the edges of tubes, Apparatus for. I. A. Semenov. 1,676,361; July 10.
 Pressure adjusting and indicating means for pressing machines. E. Davis. 1,673,317; June 12.
 Pressure boiler. F. S. Peterson. 1,689,211; Oct. 30.
 Pressure control. G. A. Brooke, jr. 1,668,353; May 1.
 Pressure-control system. R. D. Johnson. 1,689,947; Oct. 30.
 Pressure-controlled device. F. J. Bast. 1,684,530; Sept. 18.
 Pressure-controlled switch. M. Lassen. 1,669,202; May 8.

- Pressure controller and charger, Combined douche and water. W. G. Miller, 1,654,745; Jan. 3.
- Pressure detector and signal inner tube, Low-air-. F. J. Austin, 1,690,613; Nov. 6.
- Pressure gauge. H. P. Kraft, 1,683,471; Sept. 4.
- Pressure gauge. E. R. Powell, 1,690,245; Nov. 6.
- Pressure gauge. D. D. Rosenburgh, 1,696,814; Dec. 25.
- Pressure gauge. R. D. St. John, 1,657,047; Jan. 24.
- Pressure gauge. L. L. Wolcott and W. H. Grant, 1,692,860; Nov. 20.
- Pressure gauge, Bourdon. M. J. Huggins, 1,668,770; May 8.
- Pressure gauge, McLeod-type. C. S. Hornberger, 1,666,739; Apr. 17.
- Pressure gauge, McLeod-type. P. E. Klopsteg, 1,666,743; Apr. 17.
- Pressure gauge, Pneumatic-. A. J. Michelin, 1,666,787; Apr. 17.
- Pressure generator, Electric. A. Eimer, 1,695,803; Dec. 18.
- Pressure indicator. K. Juhasz, 1,695,591; Dec. 18.
- Pressure indicator, Low-. J. W. Legg, 1,667,861; May 1.
- Pressure indicator, Tire-. J. H. Gartner, 1,683,343; Sept. 4.
- Pressure mechanism for roll stands. W. A. Carpenter, 1,683,583; Sept. 4.
- Pressure meter. C. J. Fechheimer, 1,686,688; Oct. 9.
- Pressure motor, Counterthrust. C. G. Edwards, 1,678,424; July 24.
- Pressure on liquid for use in vehicle braking, Maintaining. J. S. Reynolds, 1,694,951; Dec. 11.
- Pressure-operated device, Fluid-. T. S. Miller, 1,684,063; Sept. 11.
- Pressure-operated instrument. W. H. Fitts, 1,681,109; Aug. 14.
- Pressure-regulating device. F. F. Bahnson, 1,657,362; Jan. 24.
- Pressure-regulation means. C. L. Howse, 1,694,507; Dec. 11.
- Pressure regulator. L. E. Hankinson and W. M. Stephens, 1,693,273; Nov. 27.
- Pressure regulator. H. B. Morrill, 1,668,655; May 8.
- Pressure regulator. L. H. F. and S. Rohe, 1,691,673; Nov. 13.
- Pressure regulator. H. Söfge, 1,666,609; Apr. 17.
- Pressure-relief apparatus. H. G. Mobley, 1,676,999; July 10.
- Pressure-relief device. C. C. Egbert, 1,669,700; May 15.
- Pressure-relief means. M. J. Goldberg, 1,678,905; July 31.
- Pressure-responsive device. O. G. Wendel, 1,667,020; Apr. 24.
- Pressure-responsive instrument of the Bourdon spring type. D. C. Lamb, 1,685,457; Sept. 25.
- Pressure retainer, Duplex. C. C. Farmer, 1,685,843; Oct. 2.
- Pressure-still process. C. B. Buerger, 1,672,801; June 5.
- Pressure-system lock, Automatic. J. P. Paca, 1,693,048; Nov. 27.
- Pressure tank, Fluid-. W. A. Coates, 1,683,595; Sept. 11.
- Pressure tanks, Liquid-level control for. E. C. Weisgerber, 1,689,654; Oct. 30.
- Pressure-test apparatus. W. J. Boyle, jr., 1,690,713; Nov. 6.
- Pressure-vacuum system of pneumatic dispatch. J. J. Stoetzel, 1,695,785; Dec. 18.
- Pretzel-making machine. W. L. Barthold, 1,669,277; May 8.
- Preventing disturbances of the state of health due to sea-saw and rotary motions, Apparatus for. G. Gaertner, 1,679,245; July 31.
- Preventing smutting of printed products, Device for. A. W. Wood, 1,689,708; Oct. 30.
- Preventing the formation of incrustation or scale in boilers caused by salts of silicic acid. J. Ostertag, 1,657,443; Jan. 24.
- Price gauge. C. W. Waller, 1,688,254; Oct. 16.
- Price indicating and computing device, Gasoline-. T. H. Hiatt, 1,673,146; June 12.
- Price indicator. B. Spinelli, 1,676,060; July 3.
- Price rack. O. H. Herschman, Des. 76,614; Oct. 16.
- Price scale. J. Fischer, 1,688,539; Oct. 23.
- Price tag, Changeable. J. Lefkowitz, 1,659,298; Feb. 14.
- Price-tag holder and attaching device. R. A. League, 1,686,859; Apr. 17.
- Primary cell. R. B. Lynn, 1,657,543; Jan. 31.
- Primary cell. M. L. Martus and E. H. Becker, 1,673,198; June 12.
- Prime mover and clutch. J. T. Dickson, 1,669,507; May 15.
- Primer. J. A. Dickerman, 1,668,951; May 8.
- Primer. C. H. and P. J. Jorgensen, 1,668,209; May 1.
- Primer, fuel economizer, and humidifier, Combined. O. G. Moll, 1,688,343; Oct. 23.
- Priming apparatus. C. L. Stokes, 1,693,732; Dec. 4.
- Priming device. H. H. Bridge, 1,682,953; Sept. 4.
- Priming device. M. J. Goldberg, 1,672,209; June 5.
- Priming device for internal-combustion engines. C. D. Armstrong, 1,686,361; Oct. 2.
- Priming means. A. Hollander and W. L. Forward, 1,665,460; Apr. 10.
- Priming mixture for small-arms ammunition. H. T. Peck, 1,694,890; Dec. 11.
- Print-developing apparatus. A. H. Spaulding, 1,659,841; Feb. 21.
- Print drier, Photographic-. H. E. Woolever, 1,668,995; May 8.
- Print-flattening device. G. M. Dye, 1,691,023; Nov. 6.
- Print plate. G. A. Banner, 1,693,832; Nov. 27.
- Printed fabric. J. H. Gardner, Des. 76,387; Sept. 25.
- Printed fabric. C. E. Sweeney, Des. 74,199; Jan. 3.
- Printed tapes, etc., Reclaiming. J. A. Spencer, 1,674,184; June 19.
- Printer, Optical. F. H. Owens, 1,692,347; Nov. 20.
- Printer press, Garment folder. E. J. Schremp, 1,657,552; Jan. 31.
- Printer's chase. O. P. Gayman, 1,681,701; Aug. 21.
- Printer's register apparatus. G. H. Lund, 1,662,830; Mar. 20.
- Printers, Paper-gripping device for plate. C. F. Nayer, 1,664,700; Apr. 3.
- Printing and addressing machine. J. H. Lawson, 1,662,194; Mar. 13.
- Printing and addressing machine. G. M. Soule, 1,672,545; June 5.
- Printing and casting mechanism. F. A. Dolph, 1,662,145; Mar. 13.
- Printing and delivery mechanism. H. M. Barber, 1,660,781; Feb. 28.
- Printing and embossing machines, Work holder for. S. F. Kiesling and O. Halvorsen, 1,665,099; Apr. 3.
- Printing and index device. G. W. Schaefer, 1,682,188; Aug. 28.
- Printing and registering mechanism. A. H. Pitney and J. W. Ogden, 1,680,113; Aug. 7.
- Printing apparatus. W. B. Payne, Re16,899; Mar. 13.
- Printing apparatus. E. S. Savage, 1,673,162; June 12.
- Printing apparatus, Controlling device for. R. M. Overall, 1,674,057; June 19.
- Printing apparatus for use with cigarette machinery. W. E. Molins, 1,677,679; July 17.
- Printing apparatus, Letter-. E. B. Pyle, 1,686,531; Oct. 9.
- Printing attachment for wrapping machines. P. Pierce, 1,693,864; Dec. 4.
- Printing bed for embossing or imprinting machines. R. P. Link, 1,661,898; Mar. 6.
- Printing block or cylinder. C. Jaek, 1,687,498; Oct. 16.
- Printing, cutting, and stacking machine, Ticket. C. J. Gutberlet, 1,656,630; Jan. 17.
- Printing, cutting, and the like machines, Sheet-delivering apparatus for use with. W. E. Molins, 1,656,285; Jan. 17.
- Printing cylinders, Blanket holder for. F. B. Shea, 1,662,284; Mar. 13.
- Printing device. F. M. Colquhoun, 1,686,800; Oct. 9.
- Printing device. H. E. Hubbard, 1,677,449; July 17.
- Printing device. H. E. Hubbard, 1,682,519; Aug. 28.
- Printing device. J. Kleinman and P. F. Shafran, 1,672,129; June 5.
- Printing device. A. E. Low, 1,656,489; Jan. 17.
- Printing device. U. F. L. Steindorf, 1,680,819; Aug. 14.
- Printing device, Automatic time-. C. S. Dutton, 1,680,326; Aug. 14.
- Printing device, Changeable. J. C. Osborne, 1,665,717; Apr. 10.
- Printing, Device for intaglio. W. E. Molins, 1,672,073; June 5.
- Printing device for telephones. A. Torchia, 1,669,955; May 15.
- Printing element and making same, Planographic. W. C. Huebner, 1,669,416; May 15.
- Printing fabrics, Method and machine for. E. Cadgene and G. Dupont, 1,673,933; June 19.
- Printing, folding, and delivery mechanism. H. M. Barber, 1,660,782; Feb. 28.
- Printing form. L. H. Morse, 1,669,910; May 15.
- Printing forms, Producing vertically-ruled. W. C. Hollister and L. M. Chapman, 1,682,514; Aug. 28.
- Printing from engraved plates or dies, Machine for. F. Waite, 1,655,000; Jan. 3.
- Printing headings. W. N. Beard, 1,659,624; Feb. 21.
- Printing impression plate and making same. W. J. Pippert, 1,677,929; July 24.
- Printing in greasy inks with gelatin printing surfaces. O. Treichel, 1,661,515; Mar. 6.
- Printing luminous dials. H. F. Talbot, 1,657,237; Jan. 24.
- Printing machine. J. S. Duncan, 1,681,525; Aug. 21.
- Printing machine. A. B. Evans, 1,672,715; June 5.
- Printing machine. J. I. Haase, 1,683,774; Sept. 11.
- Printing machine. G. E. Holmes, 1,688,967; Oct. 23.
- Printing machine. J. Krell, 1,655,792; Jan. 10.
- Printing machine. G. H. Lang, 1,695,964; Dec. 18.
- Printing machine. S. O'Hara, 1,688,407; Oct. 23.
- Printing machine. S. O'Hara, 1,696,280-1; Dec. 25.
- Printing machine. H. C. Osborn, 1,658,139-40; Feb. 7.
- Printing machine. E. Pedrazzo and M. Tua, 1,667,390; Apr. 24.
- Printing machine. A. A. Scuse, 1,681,905; Aug. 21.
- Printing machine. A. R. Trist, 1,657,287; Jan. 24.
- Printing machine. W. H. Waldron, 1,691,745; Nov. 13.
- Printing machine. W. H. Waldron and L. B. Case, 1,662,689; Mar. 13.

- Printing machine, Automatic. F. R. Bull. 1,675,969; July 3.
- Printing machine, Embossed. S. Marans. 1,656,824; Jan. 17.
- Printing machine, Fabric-. T. Cadgene and G. Dupont. 1,673,934; June 19.
- Printing machine having a changeable form. H. C. Osborn. 1,691,301; Nov. 13.
- Printing machine, Intaglio. O. Wilhelm. 1,681,603; Aug. 21.
- Printing machine, Intaglio. A. M. Zuckerman. 1,688,843; Oct. 23.
- Printing machine, Manifold-web-. J. A. B. Smith. 1,663,145; Mar. 20.
- Printing machine, Multicolor-. P. M. Colquhoun. 1,669,866; May 15.
- Printing machine, Offset. A. Fallot. 1,668,999; May 8.
- Printing machine, Photographic. M. Metzger. 1,687,379; Oct. 9.
- Printing-machine rolls, Side registering mechanism for. E. T. Morris and T. J. Mills. 1,686,530; Oct. 9.
- Printing machine, Rotary. A. Fallot. 1,693,504; Nov. 27.
- Printing machine, Sound-. J. P. Tarbox. 1,669,953; May 15.
- Printing machine, Steel-engraving-. E. Rothmann. 1,672,343; June 5.
- Printing machine, Tag-. G. W. Henry. 1,655,999; Jan. 10.
- Printing machine, Typographical. P. A. C. Duwoos. 1,691,383; Nov. 13.
- Printing machine, Web-. J. D. Caplinger. 1,695,271; Dec. 18.
- Printing machinery. L. W. Claybourn. 1,660,068; Feb. 21.
- Printing machinery. W. E. Molins and C. Best. 1,694,038; Dec. 4.
- Printing machinery, Rotary. L. W. Claybourn. 1,670,569; May 22.
- Printing machines, Blanket roller for. F. W. Adsit. 1,668,258; May 1.
- Printing machines, Controlling the travel of the ink ribbon used with rotary. C. F. Green. 1,687,016; Oct. 9.
- Printing machines, Driving mechanism for flat-form. W. Rockstroh. 1,669,021; May 8.
- Printing machines, Feeding means for. J. F. Ohmer and A. S. Wheelbarger. 1,675,045; June 26.
- Printing machines, Inking mechanism for multiple-color. J. F. Loughery. 1,657,542; Jan. 31.
- Printing machines, Interleaving device for. T. W. Horn. 1,660,076; Feb. 21.
- Printing machines, Making blankets for. H. Dickson. 1,668,763; May 8.
- Printing machines, Perforating and scoring attachment for. J. A. Davidson. 1,663,294; Mar. 20.
- Printing machines, Safety device for. L. P. Schindler. 1,666,584; Apr. 17.
- Printing machines, Sheet-delivery apparatus for use on. A. W. Ranger. 1,666,246; Apr. 17.
- Printing machines, Side-register device for. J. Shuttleworth. 1,662,588; Mar. 13.
- Printing mechanism. W. F. Muller. 1,678,705; July 31.
- Printing mechanism for addressing machines. P. A. Gollnick, J. T. Toolan, and G. Harred. 1,671,715; May 29.
- Printing mechanism for cash registers. E. F. Oberhauser. 1,686,924; Oct. 9.
- Printing mechanism for cash registers. C. Tatousek. 1,686,940; Oct. 9.
- Printing mechanism for parcel-post postage meter machines. A. H. Pitney. 1,680,114; Aug. 7.
- Printing mechanism, Late-news and color. J. J. Halliwell. 1,683,133; Sept. 4.
- Printing mechanism, Motion-picture-. F. E. Oiler. 1,682,979; Sept. 4.
- Printing of impressions on impression-cylinder packings. Device for eliminating the. F. J. Albert. Re16,905; Mar. 20.
- Printing on rotary presses, Multicolor. E. Brinkmann. 1,673,060; June 12.
- Printing or embossing machine. S. O'Hara. 1,676,836; July 10.
- Printing or embossing machine. S. O'Hara. 1,682,978; Sept. 4.
- Printing or print-receiving elements or the like, Holding and supporting device for. W. C. Huebner. 1,675,493; July 3.
- Printing photographs, Machine for. H. Seymour. 1,669,027; May 8.
- Printing plate. W. S. Eaton. 1,680,097; Aug. 7.
- Printing plate and making the same. E. E. Novotny. 1,688,645; Oct. 23.
- Printing plate and the like. J. Krell. 1,655,790; Jan. 10.
- Printing-plate blank and making. R. C. Isaksen. 1,678,859; July 31.
- Printing-plate-holding means. C. M. Bremner. 1,662,232; Mar. 13.
- Printing-plate matrix and making the same. E. E. Novotny. 1,688,646; Oct. 23.
- Printing plates, Core member for casting. I. E. Hurlbut. 1,683,356; Sept. 4.
- Printing plates, Correcting. L. W. Claybourn. 1,663,876-7; Mar. 27.
- Printing plates, Correcting. E. E. Novotny. 1,688,647; Oct. 23.
- Printing plates, Curving. E. E. Novotny. 1,688,648; Oct. 23.
- Printing plates for hand printing or press deep-printing, Manufacture of bichromate-glue. M. Wieland. 1,692,528; Nov. 20.
- Printing plates, Making. A. L. Bornkessel. 1,658,184; Feb. 7.
- Printing plates, Making. A. Grass. 1,669,821; May 15.
- Printing plates, Making etched. H. H. Brunings. 1,665,842; Apr. 10.
- Printing plates, Preparing rust-resisting iron and steel. R. Fritsche. 1,681,849; Aug. 21.
- Printing plates specially for poster printing, Producing. C. A. Adam. 1,692,283; Nov. 20.
- Printing plates without risers, Casting. H. A. W. Wood. 1,673,857; June 19.
- Printing press. M. W. Brueshaber. 1,692,814; Nov. 27.
- Printing press. B. Duff and W. F. Klingman. 1,654,796; Jan. 3.
- Printing press. C. W. Glasnapp. 1,663,197; Mar. 20.
- Printing press. W. O. Hall and W. C. Buchanan. 1,684,731; Sept. 18.
- Printing press. W. M. Kelly. 1,670,579; May 22.
- Printing press. W. M. Kelly. 1,691,656; Nov. 13.
- Printing press. C. F. Lang. 1,696,770; Dec. 25.
- Printing press. W. F. Luck. 1,684,592; Sept. 18.
- Printing press. L. H. Morse. 1,685,611; Sept. 25.
- Printing press. A. S. N. Olson. 1,691,299; Nov. 13.
- Printing press. R. C. Seymour. 1,677,931; July 24.
- Printing press. T. C. Spelling. 1,689,562; Oct. 30.
- Printing press. R. G. Whitlock. 1,666,188; Apr. 17.
- Printing press. O. R. Wolf. 1,661,209; Mar. 6.
- Printing press and folder. J. L. and P. F. Cox. 1,679,650; Aug. 7.
- Printing-press chase. R. McCahan. 1,682,762; Sept. 4.
- Printing-press delivery, Throw-out mechanism for. H. A. W. Wood. 1,678,895; July 31.
- Printing-press gauge. G. De Pamphilis. 1,678,724; July 31.
- Printing press, Multicolor rotary. F. Fuchs. 1,677,472; July 17.
- Printing press, Platen. P. Wiegardt. 1,663,363; Mar. 20.
- Printing press, Reciprocating-bed. C. B. Cottrell, 3d. 1,669,972; May 15.
- Printing press, Sheet-. M. A. Droitcour. 1,666,004; Apr. 10.
- Printing-press unit. W. H. Granger. 1,680,018; Aug. 7.
- Printing presses, Attachment for. R. W. Borrowdale. 1,694,638; Dec. 11.
- Printing presses, Attachment for. J. J. Carroll. 1,671,343; May 29.
- Printing presses, Attachment for. I. I. Stone. 1,675,582; July 3.
- Printing presses, Collecting, folding, and delivery mechanism for. H. M. Barber. 1,676,882; July 10.
- Printing presses, Delivery apparatus for. N. C. Andersen. 1,681,162; Aug. 21.
- Printing presses, Delivery mechanism for. H. Gearing. 1,690,288; Nov. 6.
- Printing presses, Delivery mechanism for. F. E. Rich and F. C. Burdick. 1,663,815; Mar. 27.
- Printing presses, Ink-cleaning device for flat-bed cylinder. B. J. Hill. 1,663,049; Mar. 20.
- Printing presses, Ink fountain for. C. L. Low. 1,681,299; Aug. 21.
- Printing presses, Inking mechanism for. R. S. Tyler. 1,655,077; Jan. 3.
- Printing presses, Paper-web-connecting mechanism for. T. Johansen and E. Kehoe. 1,664,176; Mar. 27.
- Printing presses, Static collector for. C. Wehrle. 1,680,310; Aug. 14.
- Printing presses, Web-feeding attachment for job. S. E. Kallenbaugh. 1,696,638; Dec. 25.
- Printing process and apparatus therefor. J. M. Cooper. 1,678,497; July 24.
- Printing process by means of supports with rough surfaces. N. Jacobsen. 1,672,319; June 5.
- Printing, Production of partial negatives or diapositives for multicolor. A. Neffen. 1,661,079; Feb. 28.
- Printing, recording, and indicating apparatus, Ticket. N. W. Perkins. 1,671,780; May 29.
- Printing ribbons, Method and machine for producing. H. R. Vannote. 1,673,958; June 19.
- Printing roll. W. H. Waldron and L. B. Case. 1,671,847; May 29.
- Printing roller. J. P. Nissen, jr. 1,695,437; Dec. 18.
- Printing rugs, Method and apparatus for. G. Pridolf. 1,660,357; Feb. 28.
- Printing scale, Head of a. G. F. Hochriem. Des. 74,605; Mar. 6.
- Printing stamp. B. D. Chamberlin. 1,672,072; June 5.
- Printing surfaces, Method and apparatus for producing. J. L. Rousseau. 1,671,129; May 29.
- Printing surfaces, Production of hard, wear-resisting. K. W. Schwartz. 1,673,779; June 12.
- Printing system and apparatus, Stencil. H. P. Elliott. 1,662,964; Mar. 20.
- Printing tabulator mechanism. W. W. Lasker. 1,668,916; May 8.
- Printing telegraph. L. M. Potts. 1,689,295; Oct. 30.
- Printing telegraphy. G. S. Vernam. 1,689,283; Oct. 30.
- Printing type. K. Shinohara. 1,657,437; Jan. 24.
- Printing, varnishing, and the like. J. M. Cooper. 1,656,170; Jan. 17.

- Prism-lens unit. C. F. Jenkins. 1,677,590; July 17.
 Privy-vault cover, Automatic. J. D. Lang. 1,664,426; Apr. 3.
 Prize-indicating machine. D. F. Mack. 1,663,168; Mar. 20.
 Process trimmer. G. A. Ostermeier. 1,676,574; July 10.
 Processing and dehydrating apparatus. L. H. Bien. 1,664,018; Mar. 27.
 Processing apparatus. W. L. Conrad. 1,665,624; Apr. 10.
 Processing apparatus. F. W. Eckfeldt. 1,690,068; Oct. 30.
 Processing machine, Metal-. B. Hemann. 1,674,900; June 26.
 Producer or shaft furnace. J. W. Reber. 1,692,572; Nov. 20.
 Producing and article of manufacture, Method of. C. W. Graham. 1,667,888; May 1.
 Product valuable as dispersing agent and making same. F. Felix. 1,680,778; Aug. 14.
 Production and reception of continuous oscillations. System and method of. J. H. Hammond, jr. 1,694,655; Dec. 11.
 Profile gauge. R. A. Stockton. 1,665,721; Apr. 10.
 Program device. J. W. Yates. 1,670,793; May 22.
 Program-selecting arrangement. H. M. Bascom, O. M. Arnold, and R. L. Pentland. 1,685,835; Oct. 2.
 Program-selecting circuits. M. E. Strieby. 1,664,468; Apr. 3.
 Program-selecting circuits. J. P. Toomey. 1,666,153; Apr. 17.
 Program-selecting circuits. J. F. Toomey. 1,667,753; May 1.
 Programs over wires, Distribution of. J. F. Toomey. 1,666,154; Apr. 17.
 Projectile. H. J. Nichols. 1,656,361; Jan. 17.
 Projectile fuse. A. Adelman. 1,672,145; June 5.
 Projectile, Gliding. J. Peppin. 1,663,058; Mar. 20.
 Projectile, Surface. E. O. Brower. 1,636,124; Oct. 2.
 Projectiles from aircraft, Apparatus for throwing. R. Alkan and G. Lesourd. 1,654,852; Jan. 3.
 Projectiles on aircraft, Device for releasing. R. Alkan and G. Lesourd. 1,676,762; July 10.
 Projecting apparatus. E. C. Ballman and E. P. Evers. Re17,037-8; July 17.
 Projecting apparatus. A. W. Wolfe. 1,667,278; Apr. 24.
 Projecting machine. E. C. Jenner. 1,677,237; July 17.
 Projecting machine. B. A. Proctor. 1,666,304; Apr. 17.
 Projecting screen, Daylight. O. Büchner. 1,666,808; Apr. 17.
 Projecting stars, Device for. W. Villiger and W. Bauersfeld. 1,693,969; Dec. 4.
 Projection apparatus. S. H. Eliason. 1,682,326; Aug. 28.
 Projection apparatus. L. V. Foster. 1,665,660; Apr. 10.
 Projection apparatus. C. M. Fox. 1,665,410; Apr. 10.
 Projection apparatus. L. B. McEwing. 1,664,038; Mar. 27.
 Projection apparatus and method. H. Watson. 1,689,266; Oct. 30.
 Projection machine, News-. B. A. Proctor. 1,666,305; Apr. 17.
 Projection system. L. A. Jones and E. E. Richardson. 1,666,047; Apr. 10.
 Projection system for color motion pictures. J. Mihalyi. 1,690,589; Nov. 6.
 Projector, Optical sign. W. A. Alder. 1,682,163; Aug. 28.
 Prong clearing fork. P. J. Thomas. 1,678,368; July 24.
 Prop. Fruit-tree. P. F. Phelps. 1,693,180; Nov. 27.
 Propagating box. E. Wright. 1,665,124; Apr. 3.
 Propeller. J. S. Bankrat. 1,667,506; Apr. 24.
 Propeller. L. Breguet. 1,663,512; Mar. 20.
 Propeller. H. E. Bucklen. 1,686,069; Oct. 2.
 Propeller. C. W. Hall. 1,658,438; Feb. 7.
 Propeller. R. N. Kyle. 1,686,214; Oct. 2.
 Propeller. S. H. Wooster. 1,674,674; June 26.
 Propeller. C. A. Wragg. 1,684,567; Sept. 18.
 Propeller, Aeronautical. S. A. Reed. 1,672,341; June 5.
 Propeller, Aeronautical. S. A. Reed. 1,687,636; Oct. 16.
 Propeller and a rotor, Combined. J. C. Bennett. 1,675,527; July 3.
 Propeller apparatus suitable for use in connection with various vehicles. M. C. Nixon. 1,661,632; Mar. 6.
 Propeller blade. M. C. Nixon. 1,685,881; Oct. 2.
 Propeller-control mechanism for reversible or adjustable pitch propellers. E. C. McCauley and F. W. Caldwell. 1,693,451; Nov. 27.
 Propeller for aeroplanes, dirigibles, submarines, and the like, Steering. P. Arnold. 1,670,923; May 22.
 Propeller for dirigible airships. J. W. Silver. 1,675,914; July 3.
 Propeller for the propulsion of all kinds of craft for use in water and air, Screw or worm. J. K. Larson. 1,688,639; Oct. 23.
 Propeller, Reversible. E. G. McCauley and F. W. Caldwell. 1,658,385; Feb. 7.
 Propeller shaft. W. R. Strickland. 1,664,713; Apr. 3.
 Propeller-shaft strut. C. A. Troth. 1,679,388; Aug. 7.
 Propeller-twisting press. C. E. Hathorn and S. A. Reed. 1,673,664; June 12.
 Propelling and smoothing device. E. G. Goben. 1,656,668; Jan. 17.
 Propelling and steering means for power speed boats. W. J. Roe. 1,676,158; July 3.
 Propelling arrangement on sleighs. J. Rantasa. 1,696,125; Dec. 18.
 Propelling device, Boat-. C. P. Turner. 1,695,304; Dec. 18.
 Propelling jack. I. A. and G. E. Weaver. 1,674,813; June 26.
 Propelling means. J. Bolgiano and W. Reilly. 1,687,360; Oct. 9.
 Propelling means for crawling tractors. R. H. White. 1,693,215; Nov. 27.
 Propelling mechanism for boats. E. E. Peck. 1,689,962; Oct. 30.
 Propelling or lifting device with automatic correction. E. Oehmichen. 1,676,572; July 10.
 Propelling system. V. Thrane. 1,673,957; June 19.
 Propelling system and method. C. M. Paxton. 1,662,206; Mar. 13.
 Propeller, Variable. W. Noble. 1,690,034; Oct. 30.
 Propellers, Manufacture of. E. Mitchell. 1,682,398; Aug. 28.
 Proportionate meter. F. N. Connet. 1,681,762; Aug. 21.
 Propulsion, Boat. W. C. Wallis. 1,690,043; Oct. 30.
 Propulsion device, Spring-power marine. L. Sher. 1,663,143; Mar. 20.
 Protect checks and similar documents, Apparatus destined to. A. and A. Bonavia y Ripoll. 1,663,816; Mar. 27.
 Protecting and fireproofing materials. C. Lichtenstadt. 1,691,726; Nov. 13.
 Protecting animal fiber. P. Onnertz and B. Schwärzel. 1,692,950; Nov. 27.
 Protecting apparatus for linemen. M. T. Tipsord and H. W. Bodendieck. 1,672,476; June 5.
 Protecting device, Bank-. J. Platt. 1,683,800; Sept. 11.
 Protecting device, Fole-. N. J. Tockar. 1,694,109; Dec. 4.
 Protecting electrical apparatus. L. M. Clement. 1,690,271; Nov. 6.
 Protecting granular substances and resulting product. B. P. Richardson. 1,692,996; Nov. 27.
 Protecting high-tension lines against flashovers. A. Vaupel. 1,691,316; Nov. 13.
 Protecting highway crossings at the right of way of railways. System for. P. J. Kaveney. 1,690,903; Nov. 6.
 Protecting lawns. J. H. Atwater. 1,695,942; Dec. 18.
 Protecting metal, wood, and other substances. P. W. Turner. 1,689,567; Oct. 30.
 Protecting paved roads against erosion. O. V. Hough. 1,696,237; Dec. 25.
 Protecting petroleum tanks and tank farms against lightning, Method and system for. W. Dodd. 1,691,340; Nov. 13.
 Protecting stores and the like against holdup men, Device for. J. Thury. 1,660,773; Feb. 28.
 Protecting window glass in windows and doors of motor vehicles when paint is applied. R. M. Harris. 1,696,202; Dec. 25.
 Protecting wool and fur from moths. E. Meckbach. 1,682,975; Sept. 4.
 Protection against attack by mites or insects. W. Ragan. 1,688,597; Oct. 23.
 Protection device for tumbler locks. E. M. and W. T. Benham. 1,691,030; Nov. 13.
 Protection of animal fibers against the effects of alkaline or acid mediums. R. S. Horsfall and L. G. Lawrie. 1,693,926; Dec. 4.
 Protective and signaling device, Combined. J. G. Stephenson. 1,663,358; Mar. 20.
 Protective apparatus. F. F. Brand. 1,681,514; Aug. 21.
 Protective apparatus. E. J. Schifke. 1,675,428; July 3.
 Protective apparatus. M. E. Skinner. 1,671,492; May 29.
 Protective apparatus and system. J. D. Wood. 1,696,289; Dec. 25.
 Protective arrangement. H. S. Holbrook. 1,667,662; Apr. 24.
 Protective arrangement. N. Sensul. 1,694,986; Dec. 11.
 Protective arrangement. O. C. Traver. 1,659,619; Feb. 21.
 Protective arrangement. O. C. Traver. 1,669,149; May 8.
 Protective cap for wood piling. J. Jacobson. 1,681,857; Aug. 21.
 Protective composition for metal-coating baths. E. R. Milling. 1,674,694; June 26.
 Protective device. E. E. F. Creighton. 1,664,194; Mar. 27.
 Protective device. A. M. Curtis. 1,688,038; Oct. 16.
 Protective device. G. R. Felds and J. S. Baker. 1,691,275; Nov. 13.
 Protective device. W. H. T. Holden. 1,680,518; Aug. 14.
 Protective device. H. A. Koimer. 1,683,977; Sept. 11.
 Protective device. G. R. McDonald. 1,696,611; Dec. 25.
 Protective device. H. C. Snook. 1,672,993; June 12.
 Protective device. O. C. Traver. 1,664,097; Mar. 27.
 Protective device. O. C. Traver. 1,639,508; Oct. 30.
 Protective device. W. W. Woodruff. 1,666,923; Apr. 24.
 Protective guard for winding or other machines. J. A. Cameron. Re17,145; Nov. 27.
 Protective system. L. N. Crichton. 1,695,385; Dec. 18.
 Protective system. A. S. Fitz Gerald. 1,696,598; Dec. 25.
 Protective system. W. L. Hartzell. 1,660,965; Feb. 28.
 Protective system, Electrical. C. L. Fortescue and R. D. Evans. 1,677,333; July 17.
 Protective system for electric cables. F. Douchet. 1,696,226; Dec. 25.

- Protector. W. L. Cook. 1,691,705; Nov. 13.
 Protector. G. A. Millward. 1,668,513; May 1.
 Protector, Blasting-cap. G. A. Livermore. 1,678,257; July 24.
 Protector, Corn and bunion. S. Biren. 1,690,395; Nov. 6.
 Protector, Eye. H. C. Fowler. 1,686,848; Oct. 9.
 Protector for athletes. W. C. Mooney. 1,657,866; Jan. 31.
 Protector for backs of shoes. E. Nowak. 1,691,582; Nov. 13.
 Protector, Greenhouse. R. E. De Zonia. 1,682,005; Aug. 28.
 Protector, Hose. G. E. Skinkle. 1,695,745; Dec. 18.
 Protector, Infant-napkin. F. M. Shafer. 1,680,178; Aug. 7.
 Protector or guard for football players, Thigh. L. W. Hardage. 1,659,100; Feb. 14.
 Protector, Plant. R. A. Miller. 1,683,043; Sept. 4.
 Protector, Phase-failure and phase-reversal. C. J. Dresser. 1,691,433; Nov. 13.
 Protector, Plant. S. K. Smith. 1,692,229; Nov. 20.
 Protector, Sanitary. Y. Ito. 1,664,626; Apr. 3.
 Protector, Skate-blade. R. D. Tolman. 1,691,558; Nov. 13.
 Protector, Stocking. S. Dunbar. 1,680,137; Aug. 7.
 Protector, Stocking. R. M. Gallant. 1,678,566; July 24.
 Protector, Tire. J. J. McDonald. 1,692,850; Nov. 27.
 Protein composition. M. Levin. 1,675,181; June 26.
 Protein products, Producing. F. C. Atwood. 1,673,964; June 19.
 Protractor. C. J. Bailey. 1,655,887; Jan. 10.
 Protractor. L. C. Lloyd. 1,690,645; Nov. 6.
 Protractor, Marine. S. A. Chapin. 1,667,191; Apr. 24.
 Pruning shears, Stem-gripping. F. H. Blincoe. 1,666,253; Apr. 17.
 Psychrometer. E. J. Carroll and G. W. Johnson. 1,671,103; May 29.
 Pudding cloth and the like. L. G. Rogers. 1,688,288; Oct. 16.
 Puff iron. H. E. Page. 1,668,123; May 1.
 Puffed rice, Making. Y. Fujita. 1,655,726; Jan. 10.
 Pug mill. M. Madsen. 1,662,120; Mar. 13.
 Pull-cord clip, Window-shade. E. L. Trimble. 1,686,297; Oct. 2.
 Pull switch. D. D. Gordon. 1,690,366; Nov. 6.
 Puller: See—
 Bearing puller. Rope puller.
 Bushing puller. Valve puller.
 Clamp puller. Valve-seat puller.
 Cotton-boll puller. Weed puller.
 Crosshead puller. Wheel puller.
 Fence-post puller. Wire drawing-bench puller.
 Pine puller.
 Pulley. J. W. Bissett. 1,663,154; Mar. 20.
 Pulley. T. B. Funk. 1,677,134; July 17.
 Pulley. F. J. Hardley. 1,687,442; Oct. 9.
 Pulley. C. B. Rogers. 1,691,993; Nov. 20.
 Pulley. J. E. Schmidt and C. E. McArthur. 1,659,578; Feb. 21.
 Pulley. W. P. Smith. 1,679,691; Aug. 7.
 Pulley. C. G. Thurnau. 1,675,146; June 26.
 Pulley, Anchor-rope. J. A. Holzappel. 1,674,436; June 19.
 Pulley attachment. C. Mackert. 1,683,562; Sept. 4.
 Pulley attachment. L. F. Nielsen. 1,682,927; Sept. 4.
 Pulley block. T. S. Smith. 1,674,071; June 19.
 Pulley block and operating pulley blocks in sky-line system. C. T. Haseman. 1,665,545; Apr. 10.
 Pulley, Catch. W. H. Forse, jr. 1,691,183; Nov. 13.
 Pulley, Clothesline. J. S. Dulczewski. 1,654,682; Jan. 3.
 Pulley clotheslines, Slack tightener for. L. Hagen. 1,670,257; May 15.
 Pulley covering. A. Schwieren. 1,687,798; Oct. 16.
 Pulley drive for drilling machines, Successive. W. F. Bockhoff. 1,693,018; Nov. 27.
 Pulley, Expanding. G. J. Abbott. 1,662,654; Mar. 13.
 Pulley for pan conveyers, Magnetic. J. P. Bothke. 1,692,613; Nov. 20.
 Pulley, Magnetic. P. J. McCullough. 1,685,498; Sept. 25.
 Pulley, Split. H. J. Gilbert. 1,682,559; Aug. 28.
 Pulley, Split. L. Rouanet. 1,666,352; Apr. 17.
 Pulley, Split. L. Rouanet. 1,674,376; June 19.
 Pulley structure. J. S. Reid. 1,676,460; July 10.
 Pulley, Variable-speed. A. H. Mize. 1,663,414; Mar. 20.
 Pulleys, Making. W. D. Hamerstadt. 1,664,360-1; Mar. 27.
 Pulleys, Making sheet-metal. H. J. Gilbert. 1,680,985; Aug. 14.
 Pulling apparatus. W. C. Bowman. 1,673,179; June 12.
 Pulling device, Pipe. S. K. Smoot. 1,694,953; Dec. 11.
 Pulling machine, Portable. D. L. Stokes. 1,658,747; Feb. 7.
 Pulling machines, Mast-elevating mechanism for portable. C. S. Wright. 1,661,591; Mar. 6.
 Pulling-over machine. C. F. Pym. 1,695,560; Dec. 18.
 Pulling-over machine. I. Riesz. 1,688,556; Oct. 23.
 Pulling-over machine. R. H. Silvester and A. Bates. 1,656,365; Jan. 17.
 Pulp beater. L. M. Avenson. 1,683,597; Sept. 11.
 Pulp, Continuous process apparatus for forming articles from. O. J. Salisbury. 1,677,905; July 24.
 Pulp digester. A. W. Waern. 1,658,216; Feb. 7.
 Pulp for paper production Manufacturing. D. R. Nanji. 1,679,441; Aug. 7.
 Pulp, Making chemical. J. S. Bates. 1,691,511; Nov. 13.
 Pulp or the like, Apparatus for making. H. D. Martindale. 1,680,912; Aug. 14.
 Pulp, Process and apparatus for producing wood. C. B. Thorne. 1,691,682; Nov. 13.
 Pulp-refining machine. L. A. Thomas. 1,674,231; June 19.
 Pulp screen, Centrifugal. G. F. Shevlin. 1,664,996; Apr. 3.
 Pulp-screening machine. A. J. Haug. 1,696,354; Dec. 25.
 Pulp, Shredding and drying. O. Anderson. 1,668,446; May 1.
 Pulp stock and the like, Method and apparatus for regulating the consistency of. C. R. Van de Carr, jr. 1,665,425; Apr. 10.
 Pulp suction die. J. F. Low. 1,680,892; Aug. 14.
 Pulp, Thermoplastic. A. L. Clapp. 1,668,760; May 8.
 Pulping engine. W. Werner. 1,656,876; Jan. 17.
 Pulping machine. H. Mallick. 1,657,218; Jan. 24.
 Pulping wood. F. G. Rawling. 1,679,682; Aug. 7.
 Pulpous material, Mechanism for working. H. W. Jespersen. 1,659,953; Feb. 21.
 Pulpous material, Mechanism for working. H. W. Jespersen. 1,696,273; Dec. 25.
 Pulsator. J. A. Schmitt. 1,681,138; Aug. 14.
 Pulsator for milking machines. H. McCornack. 1,682,392; Aug. 28.
 Pulse generator, Electrical. M. I. Pupin. 1,657,587; Jan. 31.
 Pulse, respiration, and temperature recorder, Automatic. J. E. Eshbaugh. 1,664,407; Apr. 3.
 Pulsing system. E. R. Lundius. 1,695,050; Dec. 11.
 Pulsometer. J. P. Japy. 1,664,927; Apr. 3.
 Pulverizer. T. C. Alfred. 1,691,951; Nov. 20.
 Pulverizer. A. J. Grindle. 1,669,239; May 8.
 Pulverizer. H. G. Lykken. 1,680,894; Aug. 14.
 Pulverizing implement, Soil-. W. D. Dewend. 1,691,565; Nov. 13.
 Pulverizing machine. E. H. Elzemeyer. 1,666,124; Apr. 17.
 Pulverizing machine. W. L. and H. L. McLaughlin. 1,673,465; June 12.
 Pulverizing machine. A. M. Read. 1,683,627; Sept. 11.
 Pulverizing machine. E. T. Roebke. 1,683,304; Sept. 4.
 Pulverizing machine. J. Teipel. 1,696,219; Dec. 25.
 Pulverizing machine, Coal-. P. V. Vernon and R. Jackson. 1,679,997; Aug. 7.
 Pulverizing mill. W. M. Barker and L. C. Bonnot. 1,673,483; June 12.
 Pulverizing mill. L. C. Bonnot. 1,690,712; Nov. 6.
 Pulverulent materials, Agglomerating. H. S. Schultze. 1,656,572; Jan. 17.
 Pump. Z. P. Adams. 1,694,575; Dec. 11.
 Pump. A. C. Andreasen. 1,672,401; June 5.
 Pump. J. Astrom. 1,671,565; May 29.
 Pump. J. L. Body. 1,671,009; May 22.
 Pump. N. T. Bradford. 1,668,708; May 8.
 Pump. W. G. Brown. 1,684,468; Sept. 18.
 Pump. C. W. Butler and W. A. Sloper. 1,690,923; Nov. 6.
 Pump. A. W. Burks. 1,686,549; Oct. 9.
 Pump. R. M. Clark. 1,661,360; Mar. 6.
 Pump. E. D. Copson. 1,678,556; July 24.
 Pump. W. F. Crown. 1,683,962; Sept. 11.
 Pump. P. H. Davis. 1,665,686; Apr. 10.
 Pump. A. L. De Leeuw. 1,669,976; May 15.
 Pump. T. D. Denholm. 1,659,860; Feb. 21.
 Pump. W. I. Derrick. 1,665,687-9; Apr. 10.
 Pump. C. P. Eisenbauer. 1,656,911; Jan. 24.
 Pump. C. P. Eisenbauer. 1,661,886; Mar. 6.
 Pump. C. P. Eisenbauer. 1,695,543; Dec. 18.
 Pump. H. I. Elsner. 1,692,639; Nov. 20.
 Pump. D. R. Falconer. 1,689,071; Oct. 23.
 Pump. M. J. Finn. 1,678,977; July 31.
 Pump. J. B. Garber. 1,657,746; Jan. 31.
 Pump. J. W. Gurley. 1,671,240; May 29.
 Pump. T. S. Harrington. 1,662,029; Mar. 6.
 Pump. N. H. Henderson. 1,684,490; Sept. 18.
 Pump. C. W. Herrin. 1,660,303-4; Feb. 21.
 Pump. J. E. Holveck. 1,682,570; Aug. 28.
 Pump. G. A. Humason and W. L. Childs. 1,676,391; July 10.
 Pump. B. M. Jensen. 1,669,130; May 8.
 Pump. L. E. Johnson, S. M. Hansen, and J. T. McTarnahan. 1,694,783; Dec. 11.
 Pump. C. B. Krause. 1,658,204; Feb. 7.
 Pump. J. M. Lea. 1,675,115; June 26.
 Pump. I. Marks. 1,680,157; Aug. 7.
 Pump. T. H. Mars. 1,658,850; Feb. 14.
 Pump. G. C. Martin. 1,675,945; July 3.
 Pump. J. M. McClatchie. 1,687,029; Oct. 9.
 Pump. J. M. McClatchie. 1,689,791; Oct. 30.
 Pump. D. H. McGogy. 1,666,463; Apr. 17.
 Pump. C. R. and A. W. Meston. 1,673,259-62; June 12.
 Pump. G. F. Nelson. 1,672,422; June 5.
 Pump. A. G. Norton. 1,684,880; Sept. 18.
 Pump. A. E. Paige. 1,665,675; Apr. 10.
 Pump. M. Sanchez. 1,662,720; Mar. 13.
 Pump. J. M. Shimer. 1,670,788; May 22.
 Pump. J. M. Shimer. 1,680,479-80; Aug. 14.
 Pump. W. J. Smith. 1,657,905; Jan. 31.
 Pump. W. T. Smith. 1,675,199-200; June 26.
 Pump. C. Starysky. 1,675,390; July 3.
 Pump. G. L. Stuebler. 1,689,178; Oct. 23.
 Pump. J. M. Vawter. 1,670,944; May 22.
 Pump. J. M. Vazquez. 1,673,428; June 12.

- Pump, C. Warner, 1,693,418; Nov. 27.
 Pump, A. S. Weldy, 1,664,764; Apr. 3.
 Pump, A. L. Wertz, 1,655,450; Jan. 10.
 Pump, M. H. Wilde, 1,667,179; Apr. 24.
 Pump, C. L. Williams, 1,663,964; Mar. 27.
 Pump, J. W. Woodruff, 1,689,269-70; Oct. 30.
 Pump, A. E. Yetter, 1,661,986; Mar. 6.
 Pump, J. Zwicky, 1,694,610; Dec. 11.
 Pump, Acid, A. Hollander, 1,665,458; Apr. 10.
 Pump, Air, J. A. Crimp, 1,676,527; July 10.
 Pump, Air, J. Jaworowski, 1,677,780; July 17.
 Pump, Air, E. O. Koenig and G. W. Brautigam, 1,665,965; Apr. 10.
 Pump, Air, P. Voreaux, 1,695,401; Dec. 18.
 Pump, Air-lift, J. O. Boving, 1,667,265; July 17.
 Pump, Air-lift, H. M. Staggs, 1,683,930; Sept. 11.
 Pump and compressor, Centrifugal, W. W. Eisenwintler, 1,670,065; May 15.
 Pump and compressor, Rotary, R. J. P. E. Cozette, 1,667,456; Apr. 24.
 Pump and generator mounting, Water, D. E. Anderson and R. P. Edwards, 1,672,191; June 5.
 Pump and like device for controlling the delivery rate of fluids, E. Lunge, 1,672,070; June 5.
 Pump and like engine, M. G. de Rueda, 1,692,290; Nov. 20.
 Pump and oil-injection system for internal-combustion engines, Fuel, P. L. Scott, 1,687,518; Oct. 16.
 Pump and motor, M. A. Seaholm, 1,678,831; July 31.
 Pump and motor, Rotary, H. Thoma, 1,656,544; Jan. 17.
 Pump and motor, Rotary fluid, E. J. Wendell, 1,665,120; Apr. 3.
 Pump and slipper retainer, Detachable, D. A. Sneeston, 1,655,715; Jan. 10.
 Pump and tank assembly, F. C. Copeland, 1,655,939; Jan. 10.
 Pump and the like, E. Godillot, 1,695,650; Dec. 18.
 Pump and the like, Rotary, J. H. Hamer, 1,682,842; Sept. 4.
 Pump assembly, F. J. Heideman, 1,672,125; June 5.
 Pump attachment, D. Kapuczin, 1,654,975; Jan. 3.
 Pump attachment for motor vehicles, B. D. Barton, 1,665,765; Apr. 10.
 Pump, Automatic receiver, H. G. Shortt, 1,670,125; May 15.
 Pump, Automatic receiver, H. G. Shortt, 1,676,875; July 10.
 Pump, Automatic receiver, H. G. Shortt, 1,681,747; Aug. 21.
 Pump, Automobile tire air, W. H. Rice, 1,667,051; Apr. 24.
 Pump, Balanced, A. F. Parker, 1,661,195; Mar. 6.
 Pump base, D. D. Myers, 1,693,858; Dec. 4.
 Pump, Basement or cellar, G. T. Gusler and O. H. Schnelle, 1,682,502; Aug. 28.
 Pump, Beverage, F. J. Trautman, 1,679,104; July 31.
 Pump bleeder, A. R. Heggan, 1,688,420; Oct. 23.
 Pump, Breast, W. Colby, 1,670,610; May 22.
 Pump casing, Dispensing, O. H. Herselman, Des. 74,745; Mar. 20.
 Pump casing, Rotary, R. E. L. Holmes, 1,682,756; Sept. 4.
 Pump, Centrifugal, A. W. Albrecht, 1,668,183; May 1.
 Pump, Centrifugal, R. N. Ehrhart, 1,680,208; Aug. 7.
 Pump, Centrifugal, C. J. Fechheimer, 1,676,946; July 10.
 Pump, Centrifugal, C. W. Lindemann, 1,673,151; June 12.
 Pump, Centrifugal, J. K. McIntyre, 1,680,057; Aug. 7.
 Pump, Centrifugal, F. Neumann, 1,680,906; Aug. 14.
 Pump, Centrifugal, O. Poulsen, 1,664,572; Apr. 3.
 Pump, Centrifugal, C. A. Schellens, 1,664,488; Apr. 3.
 Pump, Centrifugal, H. F. Schmidt, 1,659,410; Feb. 14.
 Pump, Centrifugal, C. F. Sherwood and E. L. Oliver, 1,667,992; May 1.
 Pump, Centrifugal, J. B. Sperry, 1,662,443; Mar. 13.
 Pump, Centrifugal, W. M. White, 1,655,830; Jan. 10.
 Pump, Centrifugal, A. B. Wood, 1,654,907; Jan. 3.
 Pump, Centrifugal sucking and forcing, G. Caproni, 1,658,705; Feb. 7.
 Pump, Centrifugal vacuum, E. M. R. Weiner and F. F. Woods, 1,682,945; Sept. 4.
 Pump, Circulating, A. R. Baker, 1,656,093; Jan. 10.
 Pump, Combined low and high pressure oil, C. W. Manzel, 1,665,670; Apr. 10.
 Pump, Combined variable-capacity and constant-volume, H. E. Balsiger, 1,670,229; May 15.
 Pump, Combustion, H. Föttinger, 1,658,674; Feb. 7.
 Pump, Compound vacuum, C. Eisler, 1,672,205; June 5.
 Pump, Compressor, D. D. Parrshall, 1,661,266; Mar. 6.
 Pump, Compressed-air well, F. Teeple, 1,675,772; July 3.
 Pump connection, E. R. Evans, 1,690,338; Nov. 6.
 Pump construction, F. J. Heideman, 1,659,104; Feb. 14.
 Pump construction, Rotary, A. E. Grant, 1,669,050; May 8.
 Pump control, A. C. Attendu, 1,687,604; Oct. 16.
 Pump-control device, H. E. Balsiger, 1,693,540; Nov. 27.
 Pump-controlling mechanism, R. Conrader, 1,676,818; July 10.
 Pump, Deep-well, H. Beloit, 1,690,393; Nov. 6.
 Pump, Deep-well, W. A. Minor, 1,655,621; Jan. 10.
 Pump, Deep-well, W. C. Parrish, 1,692,050; Nov. 20.
 Pump, Deep-well, B. G. Primrose, 1,662,127; Mar. 13.
 Pump diaphragm, W. C. Carter, 1,695,534; Dec. 18.
 Pump, Diaphragm, W. B. Crofton, 1,680,089; Aug. 7.
 Pump, Diaphragm, C. I. Longenecker, 1,665,709; Apr. 10.
 Pump, Dispensing, C. L. Bastian, 1,678,051; July 24.
 Pump, Dispensing, J. B. Davis, 1,658,117; Feb. 7.
 Pump, Dispensing, F. P. McCauley, 1,681,866; Aug. 21.
 Pump, Dispensing, C. Spaeth, 1,664,574; Apr. 3.
 Pump, Dispensing, C. Spaeth, 1,674,668; June 26.
 Pump, Double-acting, A. P. Morris, 1,689,794; Oct. 30.
 Pump, Double-acting plunger, B. Miller, 1,691,489; Nov. 13.
 Pump, Double-acting, C. W. Daniels and J. M. Carpenter, 1,658,517; Feb. 7.
 Pump, Double-acting steam and like, J. E. L. Ogden, 1,656,362; Jan. 17.
 Pump, Double-casing, A. Hollander, 1,655,547; Jan. 10.
 Pump, Double-cylinder, J. H. Campbell, 1,654,859; Jan. 3.
 Pump, Double-cylinder double-acting, L. A. Dourson, 1,657,378; Jan. 24.
 Pump drain, M. Walton, 1,664,715; Apr. 3.
 Pump, Dredger, H. F. Schmidt, 1,693,352; Nov. 27.
 Pump, Electrically-heated dispensing, C. P. Biggs, 1,675,689; July 3.
 Pump, Electrically-operated oil-well, B. F. Schmidt, 1,655,825; Jan. 10.
 Pump, engine, and the like, A. L. Williams, 1,679,592; Aug. 7.
 Pump especially for locomotive boilers, Automatic feed, S. Szabo, 1,674,348; June 19.
 Pump, Fluid, M. Bennett, 1,678,052; July 24.
 Pump, Fluid, F. O. Hoagland, 1,664,745; Apr. 3.
 Pump, Fluid, C. Van Amburgh, 1,675,434; July 3.
 Pump, Fluid-packed, F. W. Harris, 1,675,100; June 26.
 Pump for atomizers, R. Menschel, 1,694,104; Dec. 4.
 Pump for automobile oiling systems, H. A. Berkman, 1,674,614; June 19.
 Pump for brake systems, Air, E. O. Schjolin, 1,664,706; Apr. 3.
 Pump for liquids or hydraulic motor, W. J. Rusdell, 1,676,114; July 3.
 Pump for lubricating systems, I. Cowles, 1,693,068; Nov. 27.
 Pump for lubricators or the like, J. J. Hennessy, 1,683,617; Sept. 11.
 Pump for mechanical refrigeration, C. C. Spreen, 1,688,890; Oct. 23.
 Pump for molten metal, I. Tornberg, 1,696,656; Dec. 25.
 Pump for motors, Water-circulating, C. H. Shirk, 1,690,911; Nov. 6.
 Pump for oil wells, D. B. Tripplehorn, 1,679,552; Aug. 7.
 Pump for power-propelled vehicle controlling means, Fluid-pressure, E. G. Staude, 1,687,523; Oct. 16.
 Pump for refrigerators and the like, T. E. Murray, 1,686,339-40; Oct. 2.
 Pump for refrigerating apparatus, W. H. Gray, 1,696,436; Dec. 25.
 Pump for refrigerating apparatus, C. L. McCuen, 1,688,342; Oct. 23.
 Pump for spraying devices, Air, L. V. Hare, 1,682,174; Aug. 28.
 Pump for steam engines, Oil, H. F. Ripken, 1,681,787; Aug. 21.
 Pump for wells, J. Penrod and R. D. Thompson, 1,679,625; Aug. 7.
 Pump, Fuel, F. Lang, 1,654,938; Jan. 3.
 Pump, Fuel, J. W. White, 1,696,825; Dec. 25.
 Pump, Fuel-oil, A. G. Lundstrom, 1,668,919; May 8.
 Pump, Fuel-oil-injection, K. Rasmussen, 1,695,716; Dec. 18.
 Pump, Gasoline, E. E. Eickmeyer, 1,666,644; Apr. 17.
 Pump, Gasoline, E. E. Eickmeyer, 1,680,972; Aug. 14.
 Pump, Gasoline, E. E. Eickmeyer, 1,684,130; Sept. 11.
 Pump, Gear, L. O. Kuhn, 1,686,867; Oct. 9.
 Pump, Gear, J. D. Lalor, 1,689,673; Oct. 30.
 Pump, Gear, G. E. Willers, 1,660,287; Feb. 21.
 Pump, Grease, D. M. Heston, 1,657,469; Jan. 31.
 Pump, Grease, E. M. Scoville, 1,669,425; May 15.
 Pump, Grease, C. L. Zabriskie, 1,686,308; Oct. 2.
 Pump, Gyrotory, J. O. Carrey, 1,685,397; Sept. 25.
 Pump head, L. L. Hazen, 1,686,154; Oct. 2.
 Pump heads, Nonreversing means for, J. A. Wintroath, 1,663,226; Mar. 20.
 Pump, High-pressure centrifugal, M. Spillman and O. H. Dorer, 1,675,830; July 3.
 Pump, Hot-oil, A. Hollander and R. Schurman, 1,655,545; Jan. 10.
 Pump in combination, Air and water, I. C. Jennings, 1,696,635; Dec. 25.
 Pump, Instrument, R. W. Brown, 1,687,469; Oct. 9.
 Pump jack, W. G. and K. R. Jensen, 1,664,364; Mar. 27.
 Pump jack, O. M. Sholberg, 1,658,306; Feb. 7.
 Pump jack, A. Soma and F. Burmeister, 1,658,908; Feb. 14.
 Pump, Liquid, W. S. and H. S. Ausherman, 1,671,663; May 29.
 Pump, Liquid, M. W. Dole, 1,675,405; July 3.
 Pump, Liquid-conductor, K. T. Bainbridge, 1,660,407; Feb. 28.
 Pump, Liquid-dispensing, L. C. Ament, 1,666,064; Apr. 17.
 Pump, Liquid-measuring, E. E. Eickmeyer, 1,681,105; Aug. 14.
 Pump, Low-lift, S. L. Menge, 1,696,776; Dec. 25.

- Pump mechanism, Vertical-. A. Hollander. 1,672,216; June 5.
- Pump-modifying mechanism for fuel-feeding devices. F. B. MacLaren. 1,676,038; July 3.
- Pump, motor, and meter, Rotary. R. Haas. 1,670,681; May 22.
- Pump, motor, meter, or the like, Rotary. C. O. J. Montelius. 1,677,980; July 24.
- Pump motor, Sleeve. D. J. Conant. 1,687,658; Oct. 16.
- Pump motor with top adjustment, Vertical. C. E. Johnson and E. Mendenhall. 1,669,938; May 15.
- Pump, Multiple-cylinder reciprocating air and like. R. D. Boyce. 1,659,238; Feb. 14.
- Pump, Multistage. W. C. Dowd. 1,692,291; Nov. 20.
- Pump, Oil. J. B. Fisher. 1,667,728; May 1.
- Pump, Oil. M. Riesner. 1,669,306; May 8.
- Pump, Oil. E. M. Scoville. 1,696,733-4; Dec. 25.
- Pump, Oil-well. D. D. Burch. 1,696,135; Dec. 18.
- Pump, Oil-well. W. D. Ogletree. 1,667,433; Apr. 24.
- Pump, Oil-well. E. E. Sorey. 1,659,642; Feb. 21.
- Pump, Oil-well. J. C. Vroman. 1,674,146; June 19.
- Pump, Oil-well. I. B. Winsor. 1,673,856; June 19.
- Pump, Oil-well. J. P. Worthington. 1,693,101-2; Nov. 27.
- Pump of the rotary type, Circulation. A. Huguenin. 1,665,097; Apr. 3.
- Pump-operating mechanism. E. G. Willrich. 1,666,227; Apr. 17.
- Pump or compressor, Rotary. G. Berggren. 1,696,517; Dec. 25.
- Pump or compressor, Valveless. W. B. Bronander. 1,689,419; Oct. 30.
- Pump or engine lubricative system. W. F. Roser and A. C. Saxe. 1,673,532; June 12.
- Pump or lubricator and system. C. S. Brown. 1,656,658; Jan. 17.
- Pump or motor. W. Ferris. 1,696,139; Dec. 18.
- Pump or the like. A. L. Welsh. 1,671,054; May 22.
- Pump-packing means. A. Hollander and W. L. Forward. 1,665,459; Apr. 10.
- Pump, Petrol and other measured-quantity delivery. W. E. Bryan. 1,679,021; July 31.
- Pump piston. W. C. Gage. 1,695,999; Dec. 18.
- Pump, Piston. R. J. Fairchild. 1,690,857; Nov. 6.
- Pump, pistons, Attachment for. C. S. Snoddy, H. A. Hines, and H. A. Megonigle. 1,662,942; Mar. 20.
- Pump plunger. M. W. Carroll. 1,671,978; June 5.
- Pump plunger. R. H. Lemmon. 1,690,687; Nov. 6.
- Pump plunger. J. E. Phelps. 1,663,610; Mar. 27.
- Pump, Pneumatic. B. S. Aikman. 1,658,031-2; Feb. 7.
- Pump, Pneumatic. C. B. Alyea. 1,679,111; July 31.
- Pump, Power tire. C. P. Brockway. 1,691,108; Nov. 13.
- Pump, Pressure-packed. E. W. Patterson. 1,665,473; Apr. 10.
- Pump, Reciprocating. J. McCallum and H. P. H. Anderson. 1,688,978; Oct. 23.
- Pump, Revolving-cylinder and reciprocating-piston. E. Pelich. 1,695,975; Dec. 18.
- Pump-rod-suspension device. E. E. Stevenson. 1,658,212; Feb. 7.
- Pump rods, Guiding means for oil-well. E. C. Meier and A. C. Brammer. 1,672,850; June 5.
- Pump, Rotary. F. Arnold and W. Randolph. 1,667,183; Apr. 24.
- Pump, Rotary. F. E. Brady, jr. 1,671,399; May 29.
- Pump, Rotary. J. Brons. 1,660,913; Feb. 28.
- Pump, Rotary. W. H. D. Brouse. 1,681,392; Aug. 21.
- Pump, Rotary. A. W. Burks. 1,655,749; Jan. 10.
- Pump, Rotary. A. W. Burks. 1,689,579; Oct. 30.
- Pump, Rotary. J. Corbett. 1,661,468; Mar. 6.
- Pump, Rotary. R. J. P. E. Cozette. 1,654,864-5; Jan. 3.
- Pump, Rotary. W. I. Derrick. 1,661,325; Mar. 6.
- Pump, Rotary. C. H. Fox. 1,659,771; Feb. 21.
- Pump, Rotary. G. E. Goodridge. 1,686,272; Oct. 2.
- Pump, Rotary. J. W. Gurley. 1,658,524; Feb. 7.
- Pump, Rotary. L. F. Heitz. 1,672,257; June 5.
- Pump, Rotary. S. Hinds. 1,684,274; Sept. 11.
- Pump, Rotary. R. M. Hvid. 1,659,107; Feb. 14.
- Pump, Rotary. J. F. Jaworowski. 1,654,883; Jan. 3.
- Pump, Rotary. J. F. Jaworowski. 1,690,727-8; Nov. 6.
- Pump, Rotary. R. W. King. 1,676,783; July 10.
- Pump, Rotary air. F. Lawaczek. 1,689,439; Oct. 30.
- Pump, Rotary. J. E. Le Bus. 1,694,329; Dec. 4.
- Pump, Rotary. M. C. Mason. 1,686,285; Oct. 2.
- Pump, Rotary. E. I. McGee and J. D. Reid. 1,660,300; Feb. 21.
- Pump, Rotary. E. C. Peters. 1,666,466; Apr. 17.
- Pump, Rotary. F. C. Peterson. 1,683,143; Sept. 4.
- Pump, Rotary. C. Rix. 1,655,339; Jan. 3.
- Pump, Rotary. A. E. Simpson. 1,664,644; Apr. 3.
- Pump, Rotary. L. A. Sprague. 1,657,096; Jan. 24.
- Pump, Rotary. E. B. Tait. 1,682,258; Aug. 28.
- Pump, Rotary. E. B. Tait. 1,683,633; Sept. 11.
- Pump, Rotary. A. W. Weeden. 1,660,183; Feb. 21.
- Pump, Rotary. E. J. Wendell. 1,681,796; Aug. 21.
- Pump, Rotary liquid. J. M. Anderson. 1,683,010; Sept. 4.
- Pump rotors, Adjusting and securing means for air-. I. C. Jennings. 1,689,726; Oct. 30.
- Pump, Sand. W. E. Groh. 1,686,321; Oct. 2.
- Pump, Sand. R. E. Neilson. 1,672,275; June 5.
- Pump, Sand. C. Uhl. 1,661,060; Feb. 28.
- Pump, Sand. R. B. Welsh. 1,685,619; Sept. 25.
- Pump, Sand-tester. G. F. Le Bus. 1,665,967; Apr. 10.
- Pump, Sand-tester. G. F. Le Bus. 1,696,096; Dec. 18.
- Pump, Sanitary. O. W. Johnson. 1,664,930; Apr. 3.
- Pump, Screw. F. F. Ambrose. 1,661,247; Mar. 6.
- Pump, Self-priming centrifugal liquid. I. C. Jennings. 1,680,382; Aug. 14.
- Pump, Siphon. G. V. Gavaza. 1,666,850; Apr. 17.
- Pump, Spinning. C. W. Lawser. 1,684,871; Sept. 18.
- Pump, Spray. W. A. Kusler. 1,674,345; June 19.
- Pump stroke and pressure indicator, Air-. J. W. Hannan. 1,664,557; Apr. 3.
- Pump, Suction force. A. Bohnenblust. 1,665,082; Apr. 3.
- Pump system. C. H. J. G., and A. F. Goyno, and J. H. Dougherty. 1,682,331; Aug. 28.
- Pump system, Hydraulic driven drainage. M. Spillmann. 1,669,309; May 8.
- Pump, Tandem-barrel well. M. T. Archer. 1,683,435; Sept. 4.
- Pump, Tandem single-acting. E. W. Patterson. 1,665,639; Apr. 10.
- Pump, Tank. A. Joncha. 1,688,237; Oct. 16.
- Pump, Tide. S. D. Master. 1,665,140; Apr. 3.
- Pump, Tire. W. M. Stewart. 1,679,505; Aug. 7.
- Pump, Vacuum. J. A. R. Bennett. 1,669,734; May 15.
- Pump, Vacuum. C. Bol. 1,664,398; Apr. 3.
- Pump, Vacuum. C. H. Hapgood. 1,684,395; Sept. 18.
- Pump, Vacuum. F. D. Holdsworth. 1,679,132; July 31.
- Pump, Vacuum siphon. F. Goodier. 1,674,201; June 19.
- Pump-valve assembly. F. J. Heideman. 1,696,272; Dec. 25.
- Pump, Valve equipment for oil-well. C. B. Lewis and E. D. Robertson. 1,677,562; July 17.
- Pump, Valveless air. P. Voreaux. 1,663,927; Mar. 27.
- Pump, Variable-discharge. O. H. Ensign. 1,665,692; Apr. 10.
- Pump, Variable-head centrifugal. A. Hollander. 1,696,545; Dec. 25.
- Pump, Water. A. Hudon. 1,669,756; May 15.
- Pump, Waterworks auxiliary. O. H. Dorer. 1,675,845; July 3.
- Pump, Well. J. Penrod and R. D. Thompson. 1,672,687; June 5.
- Pump, Well. J. F. Struble. 1,677,802; July 17.
- Pump with individual joints between plungers, Reciprocating. J. A. Zublin and W. L. Borough. 1,680,717; Aug. 14.
- Pump with sight feed, Automatic oil. J. J. Langmack. 1,663,052; Mar. 20.
- Pump working head, Power-. A. Randolph. 1,682,537; Aug. 28.
- Pumping and metering apparatus. T. A. Banning, jr. 1,692,921; Nov. 27.
- Pumping apparatus. G. A. Buvinger and C. Warner. 1,672,928; June 12.
- Pumping apparatus. G. A. Buvinger and C. Warner. 1,695,318; Dec. 18.
- Pumping apparatus. S. C. Carter. 1,688,484; Oct. 23.
- Pumping apparatus. L. Morgan. 1,686,220; Oct. 2.
- Pumping apparatus. V. E. Reichard. 1,681,596; Aug. 21.
- Pumping apparatus. J. C. Shaffer and L. S. Mankin. 1,657,593; Jan. 31.
- Pumping apparatus. F. T. Small. 1,653,307; Feb. 7.
- Pumping apparatus. J. B. Sperry. 1,658,261; Feb. 7.
- Pumping apparatus. Duplex. A. C. Durdin, jr. 1,666,873; Apr. 17.
- Pumping apparatus for handling gases and liquids. I. C. Jennings. 1,678,909; July 31.
- Pumping apparatus, Gas-lift. M. T. Archer. 1,687,317; Oct. 9.
- Pumping apparatus, Gasoline-. E. E. Eickmeyer, and H. L. Jones. Des. 75,965; Aug. 7.
- Pumping apparatus, Hydroturbine vacuum. B. Skidmore, jr. 1,657,555; Jan. 31.
- Pumping apparatus, Liquid-. P. R. Finch. 1,616,822; July 10.
- Pumping apparatus, Liquid-fuel-. W. C. Carter. 1,695,535; Dec. 18.
- Pumping apparatus, Long-stroke. G. Kammerer and F. Hill. 1,655,062; Jan. 3.
- Pumping apparatus, Well. R. P. Simmons. 1,687,399; Oct. 9.
- Pumping device. T. H. Walker. 1,678,612; July 24.
- Pumping equipment. J. Penrod and R. D. Thompson. 1,688,089; Oct. 16.
- Pumping jack. W. R. Barney. 1,696,182; Dec. 25.
- Pumping jack, Long-stroke. H. J. Smith. 1,694,402; Dec. 11.
- Pumping jack. D. H. Thomas and E. A. Schamps. 1,662,087; Mar. 13.
- Pumping lubricating cup. G. L. Moore. 1,666,502; Apr. 17.
- Pumping mechanism. C. A. Dunham. 1,672,809; June 5.
- Pumping mechanism. J. W. Gardner. 1,680,868; Aug. 14.
- Pumping mechanism. L. T. Holdaway. 1,654,588; Jan. 3.
- Pumping mechanism. C. W. Hughes. 1,692,304; Nov. 20.
- Pumping mechanism. W. B. Van Arsdell. 1,691,744; Nov. 13.
- Pumping mechanism, Deep-well. J. B. Sperry. 1,654,558; Jan. 3.
- Pumping mechanism, Tire-. H. C. Crandall. 1,655,986; Jan. 10.
- Pumping power, Hydraulic. W. G. Corey and C. A. Trow. 1,666,255; Apr. 17.
- Pumping rig. G. Stoufflet. 1,690,955; Nov. 6.
- Pumping rigs, Counter-balance for walking beam. W. Clarkson, jr. 1,657,150; Jan. 24.
- Pumping system, Gas-. E. J. Garnier. 1,679,417; Aug. 7.

- Pumps, Attachment for. G. A. Humason and W. L. Childs. 1,679,608; Aug. 7.
- Pumps, Casing for impeller-type water. I. C. Jennings. 1,662,249; Mar. 13.
- Pumps, compressors, and the like, Automatic controlling apparatus for. K. Müller. 1,674,984; June 26.
- Pumps, Electrical mercury control for refrigeration. T. C. Whitehead. 1,678,661; July 31.
- Pumps, etc., Support for locomotive air. L. L. Neebe. 1,668,570; May 8.
- Pumps, Exhaust sleeve for deep-well air. R. H. Tucker. 1,696,065; Dec. 18.
- Pumps, Gas extractor for. H. M. Green. 1,665,540; Apr. 10.
- Pumps, Grip cage grab for deep-well. A. B. McCain. 1,693,764; Dec. 4.
- Pumps, Lubricating device for. G. E. Willers. 1,667,760; May 1.
- Pumps, Method and apparatus relating to motor-driven. I. C. Jennings. 1,662,250; Mar. 13.
- Pumps, Recording and sales-check mechanism for fluid-dispensing. A. R. Mason and O. C. Failing. 1,676,198; July 3.
- Pumps, Relief mechanism for. L. P. Storey. 1,665,382; Apr. 10.
- Pumps, Stuffing-box construction for. E. S. MacPherson. 1,670,368; May 22.
- Pumps, Suction device for multistage centrifugal. R. Hentschel. 1,682,336; Aug. 28.
- Pumps to casks, tanks, and the like, Adapter for fitting. A. J. Kettle. 1,657,013; Jan. 24.
- Punch. C. A. Finley. 1,655,315; Jan. 3.
- Punch. J. E. Hires and H. L. Jacoby. 1,673,244; June 12.
- Punch. E. H. Salt. 1,692,764; Nov. 20.
- Punch. P. Schneider. 1,679,176; July 31.
- Punch. H. C. Spengler. 1,674,844; June 26.
- Punch and seal, Can. C. A. Whitley. 1,670,701; May 22.
- Punch and the like, Hand. J. Jensen. 1,685,604; Sept. 25.
- Punch for attaching labels, etc. L. M. Feathers. 1,664,259; Mar. 27.
- Punch for cutting notches in film reels. A. C. Hayden. 1,679,572; Aug. 7.
- Punch-gauging means. J. W. Lee. 1,660,929; Feb. 28.
- Punch, Hollow. F. J. Walter. 1,665,805; Apr. 10.
- Punch, Hydraulic. W. Messinger. 1,675,369; July 3.
- Punch, Paper. A. Glaeser. 1,687,758; Oct. 16.
- Punch, Paper. C. P. Moore. 1,669,344; May 8.
- Punch press. O. G. Nilson. 1,691,667; Nov. 13.
- Punch press. O. Schlaupitz. 1,665,820; Apr. 10.
- Punch presses, Attachment for. G. H. Pickhard. 1,683,799; Sept. 11.
- Punch presses, Tripping mechanism for. J. E. Loshbough. 1,686,622; Oct. 9.
- Punching and shearing press, Tie-plate. M. Ovestrud. 1,666,344; Apr. 17.
- Punching bag. D. McNamara. 1,665,969; Apr. 10.
- Punching die. J. G. Blessing. 1,678,319; July 24.
- Punching machine. W. H. D'Ardenne. 1,663,443; Mar. 20.
- Punching machine, Cup-blank. R. Holman. 1,669,464; May 8.
- Punching machine for statistical cards. M. Lebeis. 1,680,054; Aug. 7.
- Punching machine, Selectively-operated. F. L. Dunlap. 1,686,269; Oct. 2.
- Punching press, Automatic. O. S. Beyer. 1,670,648; May 22.
- Puncture composition for pneumatic tires. E. E. Board. 1,690,051; Oct. 30.
- Puncture locator. F. Bailey and W. S. Engel. 1,655,854; Jan. 10.
- Punctureproof composition and making the same. B. G. Harrington. 1,657,081; Jan. 24.
- Puncturing machine. A. B. York. 1,665,764; Apr. 10.
- Puncturing machine, Pole. R. D. Valentine. 1,667,063; Apr. 24.
- Puncturing wheel. C. S. Nelson. 1,675,042; June 26.
- Purification. C. E. Andrews. 1,685,624; Sept. 25.
- Purification of acetic anhydride. W. P. Skertchly. 1,696,363; Dec. 25.
- Purification of benzoic acid and its derivatives. A. O. Jaeger. 1,685,634; Sept. 25.
- Purification of benzoic acid and its derivatives. A. O. Jaeger. 1,686,913; Oct. 9.
- Purification of benzoic acid and its derivatives. A. O. Jaeger. 1,694,124; Dec. 4.
- Purification of hard water by base-exchanging bodies. Process and device for the. E. M. E. Fréchou. 1,657,822; Jan. 31.
- Purification of nitraniline. H. Merrill. 1,692,308; Nov. 20.
- Purifier and aspirator for middlings. G. W. T. Seifert. 1,667,054; Apr. 24.
- Purifier and cooler, Air. R. S. Moore. 1,654,826; Jan. 3.
- Purifier, Electric water. W. M. Myers. 1,691,731; Nov. 13.
- Purifier, Exhaust. L. Markels. 1,695,554; Dec. 18.
- Purifier for locomotive boilers, Steam. C. G. Hawley. 1,679,358; Aug. 7.
- Purifier, Gasoline. C. E. Pearson. 1,675,378; July 3.
- Purifier, Steam. C. G. Hawley. 1,684,024; Sept. 11.
- Purifying camphor and similar volatile substances, Method and apparatus for. E. G. Loomis. 1,693,243; Nov. 27.
- Purifying and moistening air, Apparatus for. A. Schückher. 1,691,827; Nov. 13.
- Purifying device. F. G. Londagin. 1,681,002; Aug. 14.
- Purifying gases. G. E. Uhde. 1,685,733; Sept. 25.
- Purifying gases containing phosphorus. G. Pisor and E. Borsbach. 1,692,787; Nov. 20.
- Purifying hydrocarbons. J. C. Black and W. H. Low. 1,696,377; Dec. 25.
- Purifying metals, Method and apparatus for. H. H. Alexander. 1,687,277; Oct. 9.
- Purifying organic liquid. C. Müller, W. Frankenburger, and F. Grassner. 1,679,256; July 31.
- Purifying sugar solutions. F. W. Meyer. 1,678,571; July 24.
- Purifying the water used for steam-boiler purposes. A. H. White. 1,693,066; Nov. 27.
- Purifying water. R. B. Derr. 1,680,506; Aug. 14.
- Purifying water, Method of and apparatus for. C. Hülsmeier. 1,683,780; Sept. 11.
- Purifying with the aid of an endless sieve or rake band water which has been polluted by floating or sinking substances, Apparatus for. P. Dittmeyer. 1,660,436; Feb. 28.
- Purse. W. Holcomb. Des. 76,752-3; Oct. 30.
- Purse. J. P. Lewis. 1,658,294; Feb. 7.
- Purse, Coin. W. R. Buxton. 1,669,896-7; May 15.
- Purse, Doll. J. Cohen. Des. 74,169; Jan. 3.
- Purse, Doll. J. Cohen. Des. 75,213-14; May 22.
- Purse, Doll. J. Cohen. Des. 76,523; Oct. 9.
- Purse, Key. A. A. Vignos. 1,673,475; June 12.
- Purse, Vanity. P. B. Bowen. Des. 74,718; Mar. 20.
- Push-button apparatus for multiple-unit door-control systems. A. F. Paul. 1,676,743; July 10.
- Push-button switch. F. C. De Reamer. 1,673,667; June 12.
- Push-button switch. A. H. Hardman. 1,664,682; Apr. 3.
- Push pole. G. F. Gates. 1,681,803; Aug. 21.
- Push rod. A. B. Joy. 1,660,128; Feb. 21.
- Push rod. J. B. Lievre. 1,663,345; Mar. 20.
- Pusher mechanism for stokers, Fuel-. O. Craig. 1,695,229; Dec. 11.
- Pusher, Stock. F. L. Cone. 1,679,515; Aug. 7.
- Putter attachment. S. P. Nemeth. 1,684,192; Sept. 11.
- Putting green, Portable in and out door. R. H. Reiriden. 1,679,374; Aug. 7.
- Puzzle. F. L. Babcock. 1,683,014; Sept. 4.
- Puzzle. C. M. Brown. 1,655,216; Jan. 3.
- Puzzle. E. F. L. Fritz. 1,693,711; Dec. 4.
- Puzzle. J. S. Joseph. 1,656,117; Jan. 10.
- Puzzle. J. A. Radcliffe. 1,689,364; Oct. 30.
- Puzzle. J. M. Schneider. 1,683,568; Mar. 27.
- Puzzle, Baseball. A. E. Mortimer. 1,686,244; Oct. 2.
- Puzzle, Flexible cord or strip. E. L. Farrow. 1,685,400; Sept. 25.
- Puzzle or toy. C. S. Muir. 1,654,991; Jan. 3.
- Puzzle, Paper bird. V. B. Smith. Des. 76,164; Aug. 21.
- Puzzle, Star and cross. E. Bishop. 1,657,736; Jan. 31.
- Pyridium, Obtaining. I. Ostromislensky. 1,680,109; Aug. 7.
- Pyroelectric separation of finely-divided materials. G. A. Overstrom. 1,679,739; Aug. 7.
- Pyrolytic conversion, Control of. J. R. Carringer. 1,656,724; Jan. 17.
- Pyrometer. A. A. Grubb. 1,660,504; Feb. 28.
- Pyrometer. R. C. Fairman. 1,672,229; June 5.
- Pyrometer, Recording optical. O. H. Blackwood. 1,692,923; Nov. 27.
- Pyrometer, Thermoelectric. R. P. Brown. 1,659,804; Feb. 21.
- Pyrometers, Device for holding. F. H. Norton. 1,667,355; Apr. 24.
- Quadrangle. H. E. S. Chayes and A. P. Jurgensen. 1,688,410; Oct. 23.
- Quantity-indicating devices, Maintaining a constant volume in the air chamber of liquid-. J. Macallum, Jr. 1,673,520; June 12.
- Quartering and thirding attachment. A. C. Gough and V. Charushin. 1,683,290; Sept. 4.
- Quartz mill. J. B. Pratt. 1,670,005; May 15.
- Quick-acting wrench. F. Hooper. 1,655,865; Jan. 10.
- Quick-adjustment clamp. A. Disibio. 1,689,331; Oct. 30.
- Quick-make and quick-break switch. F. L. Bryant. 1,665,529; Apr. 10.
- Quilter. L. E. Kelley. 1,675,609; July 3.
- Quinine salts of hydroxyphenyl arsonic-acids and making same. W. Karrer. 1,660,337; Feb. 28.
- Quinine solution, Basic. A. Liebrecht. 1,692,900; Nov. 27.
- Quinoline-4-carboxylic acids, Production of. A. Häusser. 1,676,862; July 10.
- Rabbit hutch. W. Sheehy. 1,694,082; Dec. 4.
- Rabbit furnace. A. N. Jette. 1,670,038; May 15.
- Race-starting machine. R. G. Gray. 1,680,875; Aug. 14.
- Racing apparatus, Dog-. R. B. Dale and A. M. Henry. 1,655,259; Jan. 3.
- Racing appliance, Animal-. J. F. White. 1,654,672; Jan. 3.
- Racing device, Amusement. H. Pitt. 1,684,199; Sept. 11.
- Racing device, Dog-. C. G. Bathé. 1,672,798; June 5.
- Racing track, Dog-. R. O. Dunlap. 1,660,034; Feb. 21.
- Rack; See—
- | | |
|--------------------|---------------------|
| Adjustable rack. | Ball-spotting rack. |
| Advertising rack. | Barrel rack. |
| Article rack. | Bread-basket rack. |
| Auto carrier rack. | Bulletin rack. |

Rack: See—

- Cable rack. Insulator rack.
 Calendar rack. Magazine rack.
 Card rack. Mat rack.
 Carton rack. Music rack.
 Check-sorting rack. Necktie rack.
 Clothes-drying rack. Oven rack.
 Clothes rack. Rod rack.
 Coat and hat rack. Roll rack.
 Condenser rack. Secondary rack.
 Dish rack. Shelf rack.
 Display rack. Shoe rack.
 Display and storage rack. Stock rack.
 Drying rack. Storage rack.
 Electrode rack. Supporting and display rack.
 Elevator rack. Tire rack.
 Floral rack. Towel rack.
 Garment rack. Umbrella and cane rack.
 Golf-bag rack. Ware rack.
 Hayrack. Wire rack.
 Hose rack.
 Insulating rack.
- Rack. J. Booth. Des. 74,350; Feb. 7.
 Rack. J. H. Burdett. Des. 76,120; Aug. 21.
 Rack. E. S. Merrill. 1,682,180; Aug. 28.
 Rack. O. G. Shilander. 1,695,211; Dec. 11.
 Rack and bumper, Combined trunk. D. L. Benton. 1,655,832; Jan. 10.
 Rack cover. L. Mallach. 1,661,667; Mar. 6.
 Rack-foot connection. C. C. Reed. 1,663,997; Mar. 27.
 Rack for articles. A. H. Canfield. Des. 75,828; July 24.
 Rack for baked goods. P. Burkhardt. 1,672,245; June 5.
 Rack for drying ovens. J. D. Elder. 1,692,294; Nov. 20.
 Rack for garments and the like, Display. H. E. Reyher. 1,663,176; Mar. 20.
 Rack for ice-cream cabinets, Chemical-can. T. P. Bolger. 1,678,763; July 31.
 Rack for motor vehicles, Baggage. E. J. Hall and A. G. Hawkes. 1,665,358; Apr. 10.
 Rack for rolled goods. W. B. Capper. 1,672,447; June 5.
 Rack for sewing machines, Thread. F. B. Gotchette. 1,690,367; Nov. 6.
 Rack or holder, Folding. A. J. Livesay. 1,681,418; Aug. 21.
 Rack or holder for paper bags. A. Sether. 1,666,355; Apr. 17.
 Racket, Games. C. A. Claremont. 1,687,322; Oct. 9.
 Racket, Squash. B. V. Abbott. 1,659,303; Feb. 14.
 Racquet and manufacture thereof. H. W. Hall. 1,682,504; Aug. 28.
 Radial drill. H. Dreses and J. E. Larsh. 1,672,932; June 12.
 Radial drill. W. W. Edwards. 1,684,665; Sept. 18.
 Radial drill, Electrically-driven. G. Feather. 1,680,214; Aug. 7.
 Radial drill, Mobile. D. C. Klausmeyer. 1,685,072; Sept. 18.
 Radial drill, Strap-guarded. D. C. Klausmeyer. 1,660,385; Feb. 28.
 Radial stay tongs. A. A. Cochran. 1,692,077; Nov. 20.
 Radiant energy, Accumulator for. R. H. Goddard and N. A. Riffolt. 1,661,473; Mar. 6.
 Radiant energy, System and method for the transmission of. J. H. Hammond, jr. 1,681,293; Aug. 21.
 Radiant for heaters and the like. O. Wiederhold. 1,683,375; Sept. 4.
 Radiation receiving conductor. M. E. Taylor and J. B. Taylor. 1,683,270; Sept. 4.
 Radiator. G. S. Barrows. 1,663,529; Mar. 20.
 Radiator. L. Courtot. 1,671,347; May 29.
 Radiator. E. V. Daily. 1,681,173; Aug. 21.
 Radiator. W. M. Dann. 1,685,937; Oct. 2.
 Radiator. N. Diamant. 1,694,004; Dec. 4.
 Radiator. H. J. Earl. Des. 76,859; Nov. 13.
 Radiator. J. M. Fedders. 1,675,796; July 3.
 Radiator. H. D. Fitzgerald. 1,672,678; June 5.
 Radiator. H. P. Flickinger. 1,661,116; Feb. 28.
 Radiator. F. Gargiulo, E. G. Edwards, and C. Oppe. 1,664,812; Apr. 3.
 Radiator. J. W. Guimont. 1,695,959; Dec. 18.
 Radiator. M. S. Hart and G. Steele. 1,663,301; Mar. 20.
 Radiator. J. B. Hendrix. 1,657,359; Jan. 24.
 Radiator. H. A. Higgins. 1,693,233-4; Nov. 27.
 Radiator. A. A. Landon. 1,680,219; Aug. 7.
 Radiator. D. T. MacLeod. 1,694,352; Dec. 4.
 Radiator. T. E. Murray, jr. 1,673,370; June 12.
 Radiator. T. E. Murray, jr. 1,680,471; Aug. 14.
 Radiator. A. E. Paige. 1,673,017; June 12.
 Radiator. T. A. Ridner. 1,686,396; Oct. 2.
 Radiator. A. L. Swank. 1,693,260; Nov. 27.
 Radiator. W. G. Wallace. 1,665,385; Apr. 10.
 Radiator. C. Werra. 1,655,031; Jan. 3.
 Radiator. F. M. Young. 1,689,271; Oct. 30.
 Radiator. F. M. Young. 1,694,696; Dec. 11.
 Radiator, Aeroplane. W. Wait, Jr. 1,682,204; Aug. 28.
 Radiator air valves, Adapter for. H. Beard. 1,673,220; June 12.
 Radiator and flywheel. C. R. Grant. 1,696,033; Dec. 18.
 Radiator attachment. H. H. Crawford. 1,678,670; July 31.
 Radiator attachment. N. and I. I. Kramer. 1,659,296; Feb. 14.
 Radiator, Automobile. C. W. Bury. Des. 76,002; Aug. 14.
 Radiator, Automobile. D. Butler. 1,669,808; May 15.
 Radiator, Automobile. H. Jaffe. 1,662,064; Mar. 13.
 Radiator, Automobile. A. L. Knapp. Des. 77,102; Dec. 4.
 Radiator cap. C. H. Behnke. 1,674,183; June 19.
 Radiator cap. L. Boatright. Des. 74,912; Apr. 17.
 Radiator cap. J. A. Dewire. 1,673,810; June 19.
 Radiator cap. H. G. Dibelka. Des. 77,306-7; Dec. 25.
 Radiator cap. L. L. Dodson. 1,675,167; June 26.
 Radiator cap. G. E. Gravenstine. Des. 74,735; Mar. 20.
 Radiator cap. F. A. Hoesser and T. Dittich. 1,671,287; May 29.
 Radiator cap. J. R. Hughes and W. H. Weber. Des. 76,242; Sept. 4.
 Radiator cap. R. H. Hummert. Des. 75,847; July 24.
 Radiator cap. W. B. Jarvis. 1,683,038; Sept. 4.
 Radiator cap. A. C. Lippert. Des. 75,037; May 1.
 Radiator cap. A. C. Lippert. 1,655,964; Jan. 10.
 Radiator cap. A. C. Lippert. 1,663,054; Mar. 20.
 Radiator cap. H. J. Mescher. 1,677,594; July 17.
 Radiator cap. W. G. Newton. 1,682,766; Sept. 4.
 Radiator cap. J. R. Oelshei. 1,670,668; May 22.
 Radiator cap. F. C. Ruppel. Des. 76,761-2; Oct. 30.
 Radiator cap. H. Schlaich. Des. 76,160; Aug. 21.
 Radiator cap. W. Schnell. Des. 74,192; Jan. 3.
 Radiator cap. W. Schnell. Des. 76,711; Oct. 23.
 Radiator cap. E. W. Seaholm. 1,686,038; Oct. 2.
 Radiator cap. K. E. Stant. Des. 75,935; July 31.
 Radiator cap. K. E. Stant. 1,672,433; June 5.
 Radiator cap. E. F. Tipton. Des. 75,196; May 15.
 Radiator cap. G. H. Townsend. Des. 76,504; Oct. 2.
 Radiator cap. G. H. Townsend and H. Schlaich. 1,682,641; Aug. 28.
 Radiator cap. J. F. White. 1,662,911; Mar. 20.
 Radiator cap and filling tube, Combined. G. B. Warner. Des. 74,994; Apr. 24.
 Radiator cap and hood ridge structure, Combined. J. J. Punke. Des. 75,586; June 19.
 Radiator cap, Automobile. W. P. Dalrymple. 1,694,771; Dec. 11.
 Radiator cap, Automobile. H. A. Dent. 1,681,843; Aug. 21.
 Radiator cap, Automobile. I. Florman. 1,670,958; May 22.
 Radiator cap, Automobile. A. T. R. Hardy. Des. 76,018; Aug. 14.
 Radiator cap, Automobile. I. Huebner. Des. 75,976; Aug. 7.
 Radiator cap, Automobile. N. E. Johnson. 1,685,405; Sept. 25.
 Radiator cap, Automobile. F. C. Ruppel. Des. 75,588; June 19.
 Radiator cap, Automobile. J. C. Tyndall. Des. 76,167; Aug. 21.
 Radiator cap, Automobile. J. F. White. 1,662,910; Mar. 20.
 Radiator cap, Automobile. J. F. White. 1,665,004; Apr. 3.
 Radiator cap for automobiles. L. A. Bean. 1,694,030; Dec. 4.
 Radiator-cap lock. D. W. Blanc. 1,673,861; June 19.
 Radiator cap locking device. L. A. Reiner. 1,684,412; Sept. 18.
 Radiator cap or the like. G. L. Chapel. 1,682,552; Aug. 28.
 Radiator-cap ornament. E. Borden and A. Martell. Des. 74,656; Mar. 13.
 Radiator-cap ornament. S. Lo Conte. Des. 74,182; Jan. 3.
 Radiator-cap ornament. W. E. Otwell. Des. 77,184; Dec. 11.
 Radiator-cap ornament and traffic signal, Combined. R. Fisher. Des. 74,788; Mar. 27.
 Radiator-cap ornament and traffic signal, Combined. R. Fisher. Des. 75,019; May 1.
 Radiator-cap ornament, Automobile. E. E. Burr. Des. 74,168; Jan. 3.
 Radiator-cap ornament, Automobile. A. F. Filer. Des. 74,830; Apr. 3.
 Radiator-cap ornament, Automobile. G. F. W. Wohler. Des. 74,207; Jan. 3.
 Radiator-cap-ornament holder. S. Faith. 1,659,252; Feb. 14.
 Radiator cap, Rack-action. H. S. Gillette. 1,687,482; Oct. 9.
 Radiator caps and the like, Indicating instrument for automobile. H. H. Boyce. 1,667,026; Apr. 24.
 Radiator casing and hood, Combined. O. H. Clark. Des. 76,005; Aug. 14.
 Radiator, Cellular. G. Horvath. 1,688,929; Oct. 23.
 Radiator construction. J. Feichter. 1,696,346; Dec. 25.
 Radiator, Convertible steam and hot-water. L. G. Bostedo. 1,694,201; Dec. 4.
 Radiator core. J. M. Fedders. 1,657,463; Jan. 31.
 Radiator core. J. M. Fedders. 1,679,517; Aug. 7.
 Radiator core. J. M. Fedders. 1,682,327; Aug. 28.
 Radiator core. J. M. Fedders. 1,683,340; Sept. 4.
 Radiator core. J. D. Harris. 1,662,187; Mar. 13.
 Radiator core. J. D. Harris. 1,683,821; Sept. 11.
 Radiator core, Automobile. E. J. Pfug. 1,655,971; Jan. 10.
 Radiator cores, Making. B. H. Wade. 1,689,568; Oct. 30.
 Radiator cover. E. C. Abt. 1,693,216; Nov. 27.
 Radiator cover. A. E. Blackman. 1,671,008; May 22.
 Radiator cover. C. D. Brandt. 1,668,538; May 1.
 Radiator cover. J. Ledwinka. Des. 74,679; Mar. 13.
 Radiator cover and electric heater. J. L. Gordon. 1,681,114; Aug. 14.

- Radiator cover, Collapsible. L. J. Schram. 1,678,791; July 31.
- Radiator cover, Vehicle. M. Kishaw. Des. 77,240; Dec. 18.
- Radiator cover, Vehicle. J. Zallas. Des. 74,641; Mar. 6.
- Radiator decoration, Automobile. L. W. Van Gunten. Des. 74,813; Mar. 27.
- Radiator, Electric. J. Bilan. 1,661,281; Mar. 6.
- Radiator, Electric. T. H. McQuinn. 1,676,834; July 10.
- Radiator, Electric steam. J. B. Odell. 1,662,935; Mar. 20.
- Radiator filler cap, Locked. H. W. Wilson. 1,672,921; June 12.
- Radiator for automobiles, Heating. L. C. Rowland and C. W. Rundlett. 1,668,420; May 1.
- Radiator for car-heating systems. E. A. Russell. 1,674,131; June 19.
- Radiator for motor cars and the like. A. Mond. 1,696,810; Dec. 25.
- Radiator-forming machine. J. Karmazin. 1,669,761; May 15.
- Radiator-front cover. M. Switzer. 1,694,358; Dec. 4.
- Radiator, Gas-heated steam. J. F. Pirth. 1,684,371; Sept. 11.
- Radiator guard. C. H. Gustafson. 1,695,584; Dec. 18.
- Radiator hanger. J. J. Conroy. 1,682,486; Aug. 28.
- Radiator hanger. D. C. Ruff and J. H. Healy. 1,666,866; Apr. 17.
- Radiator, Heat. H. O. Stephens. 1,693,324; Nov. 27.
- Radiator inclosure. J. Fitzpatrick. Des. 76,294; Sept. 11.
- Radiator, Lamp casing and hood for motor vehicles, Combined. E. G. Shalkhauser. Des. 75,877; July 24.
- Radiator-locking cap. W. V. Lippert. 1,655,963; Jan. 10.
- Radiator, Motor-vehicle. R. H. Carpmael. 1,692,721; Nov. 20.
- Radiator, Oil. C. W. Bradford. 1,666,485; Apr. 17.
- Radiator ornament. F. Gentile. Des. 76,132; Aug. 21.
- Radiator ornament. N. L. Wright. 1,666,806; Apr. 17.
- Radiator ornament, Automobile. A. L. Sohm. Des. 74,900; Apr. 10.
- Radiator, Ornament for automobile. L. Roth. Des. 74,321; Jan. 24.
- Radiator ornament or similar article, Automobile. V. Rizzi. Des. 77,185; Dec. 11.
- Radiator overflow. L. B. Mettler. 1,667,128; Apr. 24.
- Radiator return trap. A. P. Crosby. 1,694,641; Dec. 11.
- Radiator section. J. W. Guimont. 1,670,618; May 22.
- Radiator, Sectional. F. M. Young. 1,695,519; Dec. 18.
- Radiator, Sheet-metal. C. H. Pickering and J. Campbell. 1,667,357; Apr. 24.
- Radiator shell. O. H. Clark. Des. 76,004; Aug. 14.
- Radiator shell. E. W. Seaholm and H. J. Earl. Des. 76,356; Sept. 18.
- Radiator shell, Automobile. W. R. Milner. Des. 75,381; May 29.
- Radiator shield. F. E. Johnson. 1,664,931; Apr. 3.
- Radiator shutter. L. G. Garney. 1,665,695; Apr. 10.
- Radiator shutter, Automobile. C. R. Bryant and A. F. Weiss. 1,662,844; Mar. 20.
- Radiator-shutter control. F. W. Miller. 1,691,580; Nov. 13.
- Radiator shutters, Device for controlling. W. A. Allen. 1,683,433; Sept. 4.
- Radiator, Sound. C. R. Moore. 1,690,421; Nov. 6.
- Radiator stand. E. L. Hessel. 1,662,265; Mar. 13.
- Radiator, Steam and hot-water. E. Coupland. 1,662,236; Mar. 13.
- Radiator structure. G. E. Otis. 1,693,618; Dec. 4.
- Radiator support. J. C. Frank. 1,674,358; June 19.
- Radiator support. E. R. Gurney. 1,660,671; Feb. 28.
- Radiator, Thin-walled metal. O. S. Beyer. 1,655,531; Jan. 10.
- Radiator-transporting apparatus. J. B. Helser. 1,670,196; May 15.
- Radiator unit, Internal-combustion. F. W. Shuell and E. E. Ledbetter. 1,685,870; Oct. 2.
- Radiator, Wall. L. Williams. 1,662,993; Mar. 20.
- Radiator wrench. J. R. Cowart. 1,688,525; Oct. 23.
- Radiators, Air valve for. L. Stadelhofer. 1,658,104; Feb. 7.
- Radiators, Air vent for. L. Stadelhofer. 1,674,268; June 19.
- Radiators and the like, Apparatus for machining. J. Reid. 1,696,453; Dec. 25.
- Radiators and the like, Closure for. G. L. Chapel. 1,633,383; Sept. 4.
- Radiators, Attachment for automobile. G. C. J. Gray. 1,663,047; Mar. 20.
- Radiators, Cooling and filling cap for. F. Z. Mathieu. 1,681,775; Aug. 21.
- Radiators, Core for. J. M. Fedders. 1,680,673; Aug. 14.
- Radiators, Drain cock for. H. C. Green. 1,657,996; Jan. 31.
- Radiators, Feeding device for cooling. A. Lamblin. 1,659,367; Feb. 14.
- Radiators, Punching apparatus for. J. W. Vance. 1,671,619; May 29.
- Radiators, Sealing cap for automobile. J. F. White. 1,662,909; Mar. 20.
- Radiators, Steam heating attachment for. C. A. Head. 1,680,104; Aug. 7.
- Radiators, Stiffening member for automobile. W. W. Muir. 1,686,626; Oct. 9.
- Radiators, Thermostatically-controlled damper mechanism for. E. W. Seaholm. 1,662,541; Mar. 13.
- Radio aerial. N. A. Becker. Des. 74,162; Jan. 3.
- Radio aerial support. C. Wicke. 1,691,864; Nov. 13.
- Radio alarm signal system. R. M. Keator. 1,680,217; Aug. 7.
- Radio amplifier unit. L. K. McMullin. 1,656,009; Jan. 10.
- Radio and phonographic recording and reproducing system, Combined. P. Goldsborough. 1,676,491; July 10.
- Radio and similar signals, Circuits for receiving. L. M. E. Clausing. 1,668,630; May 8.
- Radio and talking-machine amplifier, Combined. A. H. Haag. 1,654,804; Jan. 3.
- Radioantenna. J. F. Crance. 1,658,761; Feb. 7.
- Radioantenna. C. Eisel and W. H. Marshall. Des. 74,484; Feb. 21.
- Radioantenna. W. E. Everette. 1,658,592; Feb. 7.
- Radioantenna. E. Foose. Des. 75,551; June 19.
- Radioantenna. C. A. Horton. 1,696,402; Dec. 25.
- Radioantenna. McK. Wright. 1,684,003; Sept. 11.
- Radio apparatus. D. F. Asbury. 1,656,092; Jan. 10.
- Radio apparatus. D. F. Asbury. 1,675,018; June 26.
- Radio apparatus. C. E. Bonine. 1,696,263; Dec. 25.
- Radio apparatus. D. Grimes. 1,664,548; Apr. 3.
- Radio apparatus. J. H. Hallberg. 1,677,589; July 17.
- Radio apparatus. A. A. Kent. 1,655,372; Jan. 3.
- Radio apparatus. D. G. Little. 1,682,703; Aug. 28.
- Radio apparatus. M. H. Loughridge and J. S. Holliday. 1,663,635; Mar. 27.
- Radio apparatus. P. H. Rooth. 1,694,396; Dec. 11.
- Radio apparatus. A. H. Rosenthal. 1,655,243; Jan. 3.
- Radio apparatus. A. F. Sanford. 1,689,602-3; Oct. 30.
- Radio apparatus. A. F. Sanford. 1,691,413; Nov. 13.
- Radio apparatus. A. F. Sanford. 1,695,390; Dec. 18.
- Radio apparatus. H. F. Smith. 1,664,494; Apr. 3.
- Radio apparatus. N. J. Vignolo. 1,660,108; Feb. 21.
- Radio apparatus, Adjusting the antenna of. A. Zillger. 1,666,480; Apr. 17.
- Radio apparatus, Control mechanism for. R. J. Martin. 1,694,601; Dec. 11.
- Radio apparatus, Dial mechanism for. W. A. Ready. 1,656,532; Jan. 17.
- Radio apparatus, Indicating means for. G. L. Lang. 1,675,360; July 3.
- Radio apparatus, Operator for tuning units of. D. F. Asbury. 1,660,368; Feb. 28.
- Radio apparatus, Shielding for. A. C. Peck. 1,696,411; Dec. 25.
- Radio appliance. A. B. Fishwick. 1,685,875; Oct. 2.
- Radio appliance. J. M. Peterson. 1,666,505; Apr. 17.
- Radio attachment for string instruments. G. T. Hastings. 1,689,136; Oct. 23.
- Radio attachment for talking machines. E. A. Widmann and F. D. Lewis. 1,684,933; Sept. 18.
- Radio battery charger. A. Soberg. 1,669,028; May 8.
- Radio battery eliminator. P. E. Edelman. 1,682,492; Aug. 28.
- Radio broadcast distributing system. E. E. Clement. 1,672,370; June 5.
- Radio broadcast distributing system. E. E. Clement. 1,672,407; June 5.
- Radiobroadcast distributing system. E. E. Clement. 1,681,100; Aug. 14.
- Radio broadcast distribution, Secrecy system of. E. E. Clement. 1,695,179-80; Dec. 11.
- Radio broadcast distribution, Subdivided service system of. E. E. Clement. Re17,069; Aug. 28.
- Radio broadcast distribution, Subdivided service system of. E. E. Clement. 1,672,371; June 5.
- Radio broadcast distribution, Traffic-control system for. E. E. Clement. 1,672,372; June 5.
- Radio broadcast distribution, Traffic-control system for. E. E. Clement. 1,672,374; June 5.
- Radio broadcast selecting and distributing systems. E. E. Clement. Re17,142; Nov. 20.
- Radio broadcast selecting and distributing system. E. E. Clement. Re17,163; Dec. 11.
- Radio broadcast selecting and distributing system. E. E. Clement. 1,695,173; Dec. 11.
- Radio broadcast system of distribution, Subscriber's instrument for. E. E. Clement. 1,672,373; June 5.
- Radio broadcasting system, Wired-. R. D. Duncan, jr. 1,669,189; May 8.
- Radiocabinet. E. J. Buller. Des. 74,551; Feb. 28.
- Radiocabinet. N. S. Dunbar. Des. 74,969-71; Apr. 24.
- Radiocabinet. N. S. Dunbar. Des. 75,227; May 22.
- Radiocabinet. O. P. Fritchler. Des. 76,185; Aug. 28.
- Radiocabinet. J. M. Ghormley. Des. 74,424; Feb. 14.
- Radiocabinet. J. W. Gosling. Des. 75,621; June 26.
- Radiocabinet. I. A. Lund. Des. 76,408; Sept. 25.
- Radiocabinet. I. A. Lund. Des. 76,488-9; Oct. 2.
- Radiocabinet. O. T. Swanson. Des. 75,594; June 19.
- Radiocabinet. J. Wolff. Des. 74,768-9; Mar. 20.
- Radiocabinet. J. Wolff. Des. 76,652-3; Oct. 16.
- Radiocabinet. J. Wolff. Des. 76,844; Nov. 6.
- Radiocabinet. J. Wolff. Des. 77,211; Dec. 11.
- Radiocabinet. E. Worthington. Des. 76,512; Oct. 2.
- Radiocabinet. E. Worthington. Des. 76,514-15; Oct. 2.
- Radiocabinet. E. Worthington. Des. 77,210; Dec. 11.
- Radiocabinet, Console. J. O. Bergman. 1,678,032; July 24.
- Radiocabinet or similar article. J. M. Beach and G. Fletcher. Des. 74,292; Jan. 24.
- Radiocabinet or similar article. J. M. Beach. Des. 75,204; May 22.
- Radiocabinet or similar article. G. Calafato. Des. 75,827; July 24.

- Radiocabinet or similar article. J. J. Heyman. Des. 76,346; Sept. 18.
- Radiocabinet or similar article. M. Stettner. Des. 74,586; Feb. 28.
- Radiocabinet or similar article. M. Stettner. Des. 76,430-1; Sept. 25.
- Radio cabinet panel. C. S. Staugaard. Des. 75,136; May 8.
- Radiocabinets, Veneered panel for. F. H. Auld. 1,659,309; Feb. 14.
- Radio central-station system. D. L. Wolf and R. G. Keil. 1,658,825; Feb. 14.
- Radiochassis. P. E. Edelman. 1,682,778; Sept. 4.
- Radiocircuit. R. C. Baird, and E. E. Snell. 1,681,274; Aug. 21.
- Radiocircuits. R. Bell. 1,679,347; Aug. 7.
- Radiocircuits. R. A. Clarke. 1,688,265; Oct. 16.
- Radiocircuits, Combination indicating and adjusting device for. O. Henze. 1,682,376; Aug. 28.
- Radiocircuits, Compensating means for oscillating. W. Lytton. 1,670,586; May 22.
- Radiocircuits, Frequency-sequence selector or frequency-determining apparatus for. M. Jacobson. 1,656,520; Jan. 17.
- Radiocircuits, Indicator switch for. A. C. Koeppler. 1,673,876; June 19.
- Radiocircuits, Transformer for. S. D. Livingston. 1,656,209; Jan. 17.
- Radiocoil. H. D. Currier. 1,683,606; Sept. 11.
- Radiocoil. D. A. Nicosia and H. Slipped. 1,667,945; May 1.
- Radiocommunication. E. M. Rave. 1,687,792; Oct. 16.
- Radiocommunication, Duplex. P. Ware. 1,672,855; June 5.
- Radiocommunication, Reducing fading effects in. A. H. Taylor. 1,669,219; May 8.
- Radiocommunication, System of. J. O. Mauborgne and G. Hill. 1,676,404; July 10.
- Radiocondenser. J. Barnett. 1,661,159; Mar. 6.
- Radiocondenser. P. A. Chamberlain. 1,666,163; Apr. 17.
- Radiocondenser. W. L. Hudson. 1,664,685; Apr. 3.
- Radiocnsole. G. W. Lyons. Des. 74,613-4; Mar. 6.
- Radio control mechanism. A. Di Stasio. 1,656,178; Jan. 17.
- Radiocoupler, Fixed. M. Sieveking. 1,672,396; June 5.
- Radiodetector. J. Slepian. 1,665,936; Apr. 10.
- Radiodial. H. Matzner. 1,674,603; June 19.
- Radiodial. E. G. Shalkhauser. 1,673,888; June 19.
- Radio dial construction. A. J. Neef. 1,670,272; May 15.
- Radio dial escutcheon plate. C. P. Hansen. Des. 76,345; Sept. 18.
- Radiodial, Escutcheon plate for a. J. Geloso. Des. 75,620; June 26.
- Radio, Dialless. D. D. Bast. 1,687,420; Oct. 9.
- Radio dial plate. W. H. Anderson. Des. 75,200; May 22.
- Radio direction and position finder. M. L. Patterson. 1,692,051; Nov. 20.
- Radio equipment. H. P. Pullwitt. 1,655,877; Jan. 10.
- Radio equipment. A. E. White. 1,683,743; Sept. 11.
- Radiofrequency amplifier. C. Pfanstiehl. 1,670,782; May 22.
- Radiofrequency amplifier and making and operating the same. A. S. Blatterman. 1,684,939; Sept. 18.
- Radiofrequency amplifying circuits. W. J. Polydoroff. 1,692,763; Nov. 20.
- Radiofrequency transformer. H. C. Colburn. 1,658,970; Feb. 14.
- Radiofrequency unit. T. E. Friend. 1,696,675; Dec. 25.
- Radiogoniometer. E. Bellini. 1,670,489; May 22.
- Radiogoniometry, System of. W. A. Loth. 1,678,737; July 31.
- Radiograph exposures, Method and apparatus for taking synchronized. C. N. Weyl. 1,688,675; Oct. 23.
- Radiographic apparatus. S. Israel. 1,671,902; May 29.
- Radio grid and filament spacer. W. J. Skinner. 1,672,233; June 5.
- Radio ground antenna. W. S. Maple. 1,681,644; Aug. 21.
- Radio indicating device. C. A. Schaefer. 1,689,405; Oct. 30.
- Radio instrument mounting. P. L. Pendleton. 1,668,418; May 1.
- Radiolog. H. D. Bartlett. 1,661,456; Mar. 6.
- Radiolog. G. A. Bishop. 1,686,677; Oct. 9.
- Radio log and program device. T. W. Montrose. 1,680,164; Aug. 7.
- Radio loud speaker. S. A. Baker. Des. 75,541; June 19.
- Radio loud speaker. W. S. Grau. Des. 74,217-18; Jan. 10.
- Radio loud speaker. J. W. H. Hanley. 1,687,293; Oct. 9.
- Radio loud speaker. W. D. House. 1,690,011; Oct. 30.
- Radio loud speaker. L. A. Madson. 1,655,910; Jan. 10.
- Radio loud speaker. F. Mattis. 1,692,994; Nov. 27.
- Radio loud speaker. J. Wondolowski. Des. 74,208; Jan. 3.
- Radio loud-speaker assembly. R. H. Bryant. 1,664,241; Mar. 27.
- Radio loud speaker and bird cage, Combined. P. Drew and L. C. Zabriskie. Des. 74,172; Jan. 3.
- Radio loud speaker and phonograph, Combined. N. H. Holland. 1,660,996; Feb. 28.
- Radio loud speaker, Diaphragm for a. B. F. Waddell. Des. 74,993; Apr. 24.
- Radio loud speakers or similar articles, Stand for. F. Schwartz. Des. 74,194; Jan. 3.
- Radiomachine, Duplex. C. F. Jenkins. 1,694,065; Dec. 4.
- Radio metering system. E. E. Clement. Re17,023; July 3.
- Radio movies, Synchronism in. C. F. Jenkins. 1,660,711; Feb. 28.
- Radio on power lines, Wired. R. D. Duncan, jr. 1,688,692; Oct. 23.
- Radio operator's chair. O. E. Banker. 1,662,947; Mar. 20.
- Radio or radiophone receiving-set demonstrator. A. E. Wolfe. 1,663,743; Mar. 27.
- Radiophone and phonograph, Combined. R. G. French. Re17,081; Sept. 11.
- Radio phone holder or similar article. F. C. Wilcox. Des. 74,528; Feb. 21.
- Radiophonograph. J. S. Spainhour. 1,656,085; Jan. 10.
- Radio-phonograph combination. W. Leathers. 1,695,852; Dec. 18.
- Radio power-supply unit. P. E. Edelman. 1,680,370; Aug. 14.
- Radioreceiver. G. F. Borkman. 1,663,583; Mar. 27.
- Radioreceiver. W. M. Bruce, jr. 1,663,110; Mar. 20.
- Radioreceiver, Multiple-channel. O. B. Blackwell and D. K. Martin. 1,676,244; July 10.
- Radioreceiver. Multiple-channel. H. B. Coxhead. 1,676,252; July 10.
- Radioreceivers, Volume-control system for. E. F. Andrews. 1,666,522; Apr. 17.
- Radio receiving apparatus. J. A. Bishop. 1,689,224; Oct. 30.
- Radio receiving apparatus. E. E. Clement and H. F. Lowenstein. 1,668,231; May 1.
- Radio receiving apparatus. C. J. Fitch. 1,667,513; Apr. 24.
- Radio receiving apparatus. A. M. Harding. 1,680,042; Aug. 7.
- Radio receiving apparatus. R. E. Humphrey. 1,696,437; Dec. 25.
- Radio receiving apparatus. A. A. Kent. 1,658,562; Feb. 7.
- Radio receiving apparatus. A. A. Kent. 1,668,155; May 1.
- Radio receiving apparatus. A. B. Kupsche. 1,679,533; Aug. 7.
- Radio receiving apparatus. G. E. J. Oakley and K. G. Smith. 1,674,218; June 19.
- Radio receiving apparatus. S. T. Schofield. 1,688,943; Oct. 23.
- Radio receiving apparatus. A. M. Trogner. 1,692,064; Nov. 20.
- Radio receiving apparatus. E. A. Widmann and F. D. Lewis. 1,679,194; July 31.
- Radio receiving apparatus, Single-dial control for. L. Mandel. 1,656,442; Jan. 17.
- Radio receiving apparatus, Universal inductance device for. H. W. Brown and G. O. Wilkinson. 1,671,625; May 29.
- Radio receiving circuit. T. H. Berkland. 1,679,597; Aug. 7.
- Radio receiving circuit. J. M. Cartwright. 1,685,043; Sept. 18.
- Radio receiving circuit. S. Loewe. 1,686,621; Oct. 9.
- Radio receiving circuits. C. L. Volz. 1,675,473; July 3.
- Radio receiving inductances, Construction for. T. H. Brennan. 1,680,851; Aug. 14.
- Radio receiving instrument. E. E. Clement. 1,695,172; Dec. 11.
- Radio receiving instrument for systems of broadcast distribution. E. E. Clement. 1,669,327; May 8.
- Radio receiving instrument for systems of broadcast distribution. E. E. Clement. 1,670,760; May 22.
- Radio receiving instrument for systems of broadcast distribution. E. E. Clement. 1,695,174; Dec. 11.
- Radio receiving instrument for systems of broadcast distribution. E. E. Clement. 1,695,181; Dec. 11.
- Radio receiving set. A. Boedeker and J. S. Wentworth. 1,670,951; May 22.
- Radio receiving set. L. Potter. Des. 74,318; Jan. 24.
- Radio receiving sets, Aerial loop mechanism for. V. Alvear. 1,688,845; Oct. 23.
- Radio receiving sets, Attachment for. P. J. Mertes. 1,672,686; June 5.
- Radio receiving sets, Logging and indicating device for. R. C. Bower. 1,685,803; Oct. 2.
- Radio receiving sets, Station-selector dial. N. Nystrom. 1,665,891; Apr. 10.
- Radio receiving station. H. F. Löwenstein. 1,695,175; Dec. 11.
- Radio receiving system. F. P. Benjamin. 1,669,893; May 15.
- Radio receiving system. J. Bethenod. 1,673,796; June 19.
- Radio receiving system. L. Cohen. 1,685,763; Sept. 25.
- Radio receiving system. P. E. Edelman. 1,665,847; Apr. 10.
- Radio receiving system. C. W. Hansen. 1,670,149; May 15.
- Radio receiving system. E. W. Kellogg. 1,687,570; Oct. 16.
- Radio receiving system. F. A. Kolster. 1,683,080; Sept. 4.
- Radio receiving system. R. S. Ohl. 1,674,696; June 26.
- Radio receiving system. W. T. Powell. 1,655,160; Jan. 3.
- Radio receiving system. W. T. Powell. 1,684,361; Sept. 11.
- Radio receiving system. C. W. Rice. 1,658,740; Feb. 7.

- Radio receiving system. S. L. Sanderson. 1,673,593; June 12.
- Radio receiving system. A. H. Taylor. 1,669,218; May 8.
- Radio receiving system. P. J. Walsh. 1,669,959; May 15.
- Radioreception. P. G. Weiller. 1,684,164; Sept. 11.
- Radio reception and operation. Device for commercial. L. M. Bowman. 1,696,519; Dec. 25.
- Radio reception instrument. J. C. Leeper. 1,687,371; Oct. 9.
- Radioreception, Prevention of interference in. F. K. Vreeland. 1,682,026; Aug. 28.
- Radio repeating system, Directive. L. Espenschied and D. K. Martin. 1,668,637-8; May 8.
- Radio repeating system, Directive. L. Espenschied and D. K. Martin. 1,668,674; May 8.
- Radio repeating system, Directive. L. Espenschied and D. K. Martin. 1,669,123; May 8.
- Radio repeating system, Directive. D. K. Martin. 1,658,851; Feb. 14.
- Radio service metering system. E. E. Clement. 1,695,177; Dec. 11.
- Radio set connection. M. Alden. 1,688,772; Oct. 23.
- Radio sets, Control device for. E. P. Schwarze, jr. 1,660,278; Feb. 21.
- Radio sets, Power-supply unit for. F. de Willy. 1,690,814; Nov. 6.
- Radiosignaling. R. H. Bell. 1,668,261; May 1.
- Radiosignaling. J. F. Farrington. 1,668,270; May 1.
- Radiosignaling. S. Ruben. 1,676,748; July 10.
- Radio signaling apparatus. R. H. Langley. 1,658,643; Feb. 7.
- Radio signaling circuits. R. A. Weagant. 1,688,842; Oct. 23.
- Radio signaling set, Duplex. R. K. Potter. 1,662,126; Mar. 13.
- Radiosignaling, Secret. E. L. Chaffee and E. S. Purington. 1,690,719; Nov. 6.
- Radio signaling system. H. A. Affel. 1,676,240; July 10.
- Radio signaling system. C. S. Demarest and M. L. Almqvist. 1,657,493; Jan. 31.
- Radio signaling system. H. E. Hallborg. 1,672,027; June 5.
- Radio signaling system. W. H. F. Holden. 1,677,967; July 24.
- Radio signaling system. L. Kühn. 1,655,961; Jan. 10.
- Radio signaling system. M. Lock. 1,665,632; Apr. 10.
- Radio signaling system. D. K. Martin. 1,667,792; May 1.
- Radio signaling system. R. S. Ohl. 1,693,662; Dec. 4.
- Radio signaling system. A. W. Saunders. 1,690,250; Nov. 6.
- Radio signaling system. G. M. Wright. 1,681,564; Aug. 21.
- Radio signaling system employing machine-switching dial. M. L. Almqvist. 1,662,877; Mar. 20.
- Radiosignaling, Utilization of alternating currents for. G. W. Carpenter. 1,671,969; June 5.
- Radio signal receivers, Accessory for. S. N. Fleming. 1,678,288; July 24.
- Radio slot machine. J. Pinto. 1,680,634; Aug. 14.
- Radio speaker or horn. C. E. Burk. 1,656,140; Jan. 10.
- Radio speaker stand. I. De Kaiser. Des. 74,360; Feb. 7.
- Radio speaker stand, Candelabrum. I. De Kaiser. Des. 75,222-4; May 22.
- Radio station finder, Automatic. A. J. Vasselli. Re17,002; June 19.
- Radio station-finding mechanism. A. F. Sanford. 1,669,575; May 15.
- Radio switching system, Automatic. J. B. Hoge and E. E. Clement. 1,672,568; June 5.
- Radio system. E. L. Davis. 1,671,466; May 29.
- Radio system. D. G. Little and R. L. Davis. 1,695,966; Dec. 18.
- Radio system, Multichannel. E. L. Chaffee. 1,654,920; Jan. 3.
- Radiotable. R. Rychtarik. Des. 76,157; Aug. 21.
- Radiotable and loud-speaker casing, Combined. F. Schwartz. Des. 75,933; July 31.
- Radio telegraph keying system. L. C. Young. 1,683,118; Sept. 4.
- Radio telegraphic transmitter, Automatic. P. C. Andux y Perez. 1,696,779; Dec. 25.
- Radiotelegraphy. A. H. Mittag. 1,675,987; July 3.
- Radiotelegraphy. R. H. Ranger. 1,688,554; Oct. 23.
- Radio telematic system. E. Fiamma. 1,663,073; Mar. 20.
- Radio telephone and power-distributing system, Combined. J. B. Hoge and E. E. Clement. 1,695,171; Dec. 11.
- Radio telephone system. H. Nyquist and S. B. Wright. 1,674,695; June 26.
- Radio telephone system, Two-way. L. Espenschied, H. A. Affel, and C. N. Anderson. 1,678,672; July 31.
- Radiotelephony. W. D. House. 1,690,010; Oct. 30.
- Radiotherapy, Device for. E. Sordelli. 1,653,103; Feb. 7.
- Radio transmitting system. L. de Forest. 1,687,364; Oct. 9.
- Radiotransformer. F. D. Pearne. 1,696,860; Dec. 25.
- Radiotransmission. R. A. Heising. 1,675,888; July 3.
- Radio transmission receiving system. H. Chireix. 1,682,664; Aug. 28.
- Radio transmission system. R. Bown and H. S. Hamilton. 1,668,757; May 8.
- Radio transmitter. W. H. Priess. 1,674,740; June 26.
- Radiotransmitter, High-speed. A. L. Wilson. 1,669,502; May 15.
- Radio transmitting system. T. L. Eckersley. 1,670,497; May 22.
- Radio transmitting system. F. M. Ryan. 1,687,896; Oct. 16.
- Radiotrap. G. S. Cornish. 1,659,084; Feb. 14.
- Radiotube. C. Schicklering. 1,687,897; Oct. 16.
- Radiotube and operating same. E. L. Koch. 1,677,896; July 24.
- Radio tube socket. W. H. Eggers. 1,665,876; Apr. 10.
- Radio tube socket. F. S. Masley and A. P. Wasil. 1,696,406; Dec. 25.
- Radio tube socket. E. B. Nowosielski. 1,682,408; Aug. 28.
- Radiotubes, Degasifying. F. S. McCullough. 1,677,900; July 24.
- Radiotubes, Sound eliminator for. A. Halikman. 1,657,390; Jan. 24.
- Radio tuning control device. C. E. Kilgour. 1,673,079; June 12.
- Radio tuning device. O. C. Staats. 1,677,737; July 17.
- Radio tuning dial. L. E. Dorsey. 1,677,075; July 10.
- Radio tuning dial and making the same. B. P. McKinley. 1,660,423; Feb. 28.
- Radio tuning instruments, Logging and indicating device for. J. P. Coughlin. 1,661,410; Mar. 6.
- Radio tuning mechanism. G. R. Fremont. 1,681,529; Aug. 21.
- Radio tuning mechanism, Drive for. C. A. Pinkham. 1,674,733; June 26.
- Radio vacuum tube. H. M. Freeman. 1,685,994; Oct. 2.
- Radio vacuum-tube circuits. P. S. Edelman. 1,668,060; May 1.
- Radio vision illumination. C. F. Jenkins. 1,659,736; Feb. 21.
- Radio vision mechanism. C. F. Jenkins. Re16,882; Feb. 14.
- Radio vision studio equipment. C. F. Jenkins. 1,684,736; Sept. 18.
- Radiowave switch. J. S. Wheeland. 1,679,192; July 31.
- Radium preparation and making same. O. Hahn. 1,655,184; Jan. 3.
- Radium bar for locomotives, Truck. C. K. Getchell. 1,676,259; July 10.
- Radium finder. W. A. Mitchell. 1,674,834; June 26.
- Radium grinding, Method and apparatus for. W. C. Palmer. 1,682,412; Aug. 28.
- Radium rod. F. J. Sescila. 1,668,426; May 1.
- Radium rod for motor vehicles. L. M. H. Schuman. 1,683,923; Sept. 11.
- Raft for transporting timber. A. H. Bryant and E. G. Tuck. 1,682,064; Aug. 28.
- Raft, Life. C. D. Vlahon. 1,667,912; May 1.
- Raft, Pleasure. B. W. McGinnis. 1,668,860; May 8.
- Raft, Seagoing log. J. P. Porter. 1,662,683; Mar. 13.
- Rail adjuster. A. S. Hughes. 1,690,012; Oct. 30.
- Rail and tie clamp. F. Wilson, sr. 1,665,575; Apr. 10.
- Rail and tie clamp. F. Wilson, sr. 1,669,436; May 15.
- Rail and tie holding means, Railway. G. W. Muller. 1,665,107; Apr. 8.
- Rail and tie-plate construction for railways, Anticreeper. A. M. Peterson. 1,671,377; May 29.
- Rail anticreeper. P. J. Gillen. 1,690,535; Nov. 6.
- Rail, Ball-bearing. M. Snee. 1,680,814; Aug. 14.
- Rail block, Reversible guard-. P. J. Jones. 1,654,885; Jan. 3.
- Rail bond. F. P. Dahlstrom and C. L. Larson. 1,675,750; July 3.
- Rail bond. E. M. Deems. 1,665,347; Apr. 10.
- Rail bond. C. G. McCauley. 1,696,316; Dec. 25.
- Rail bond. B. H. Ryder. 1,673,424; June 12.
- Rail bond and making the same. W. F. Hart. 1,692,895; Nov. 27.
- Rail bonding. W. P. Bovard. 1,682,109; Aug. 28.
- Rail bonds. C. L. Larson. 1,687,297; Oct. 9.
- Rail brace. W. W. Coleman. 1,682,887; Sept. 4.
- Rail brace. J. C. Mock. 1,694,136; Dec. 4.
- Rail brace, Railway-. J. G. Mueller. 1,663,811; Mar. 27.
- Rail breaker. H. J. Schrader. 1,682,633; Aug. 28.
- Rail brush for electric cars. O. P. Smith. 1,681,650; Aug. 21.
- Rail chair. H. F. Kens. 1,658,051; Feb. 7.
- Rail chair. E. M. Mellinger. 1,659,494; Feb. 14.
- Rail chair and joint for track rails, Combined. A. Sabatini. 1,668,422; May 1.
- Rail clamp. E. Mullins. 1,696,724; Dec. 25.
- Rail clamp. A. T. Palmer. 1,686,028; Oct. 2.
- Rail clamp. A. Trosch. 1,685,468; Sept. 25.
- Rail clamp with concentrated contact. W. F. Zimmermann. 1,660,367; Feb. 28.
- Rail connector. P. Troski. 1,658,469; Feb. 7.
- Rail-connecting device. P. P. Pipes. 1,684,885; Sept. 18.
- Rail connection for railway tracks and the like. R. Kunicke. 1,674,622; June 19.
- Rail crossing. W. R. Hesskew and J. J. Nulty. 1,696,482; Dec. 25.
- Rail-crossing signal. F. Vogelzang. 1,656,965; Jan. 24.
- Rail fastener. J. W. Hood. 1,669,754; May 15.
- Rail fastening. T. Buchholz. 1,658,665; Feb. 7.
- Rail fastening. T. Buchholz. 1,659,239; Feb. 14.
- Rail fastening and track structure. S. D. S. Narber. 1,656,386; Jan. 17.
- Rail-fastening construction. W. Cook. 1,663,974; Mar. 27.

- Rail filler. A. C. Fischer. 1,694,642; Nov. 20.
 Rail filler, Preformed. A. C. Fischer. 1,671,021-2; May 22.
 Rail, Flexible robe. J. H. Hunter. 1,664,418; Apr. 3.
 Rail for heat-treating furnaces, Roller. J. Sammon. 1,693,870; Dec. 4.
 Rail-holding tie. C. G. Gulbrand. 1,676,547; July 10.
 Rail jack. F. Bachmann. Re16,995; June 12.
 Rail joint. C. A. Allen. 1,665,652; Apr. 10.
 Rail joint. J. K. Boyd and F. F. Slick. 1,696,108; Dec. 18.
 Rail joint. E. W. Caruthers. 1,695,839; Dec. 18.
 Rail joint. G. Chagnon. 1,662,234; Mar. 13.
 Rail joint. B. M. Cheney. 1,690,885; Nov. 6.
 Rail joint. A. L. Collins, sr. 1,685,704; Sept. 25.
 Rail joint. H. Cuddy and C. Lewis. 1,669,289; May 8.
 Rail joint. S. Déri and M. Deak. 1,695,140; Dec. 11.
 Rail joint. R. N. Doody. 1,683,874; Sept. 11.
 Rail joint. N. A. Doyle. 1,689,169; Oct. 23.
 Rail joint. S. Edwards. 1,672,451; June 5.
 Rail joint. C. K. Freer. 1,692,254; Nov. 20.
 Rail joint. J. Haberl. 1,669,294; May 8.
 Rail joint. J. M. Huff. 1,678,391; July 24.
 Rail joint. J. L. Jackich. 1,668,407; May 1.
 Rail joint. O. Lockard. 1,679,162; July 31.
 Rail joint. H. H. McNutt. 1,659,300; Feb. 14.
 Rail joint. L. Pierce. 1,656,988; Jan. 24.
 Rail joint. J. W. Staton. 1,660,727; Feb. 28.
 Rail joint. P. Stellingwerf. 1,663,419; Mar. 20.
 Rail joint. C. Troup. 1,658,818; Feb. 14.
 Rail-joint adjuster. J. H. Morgan. 1,663,769-70; Mar. 27.
 Rail-joint bar or fishplate. G. W. Muller. 1,665,108; Apr. 3.
 Rail joint, Insulated. R. B. Abbott. 1,664,725; Apr. 3.
 Rail joint, Insulated. E. C. Zimmerman. 1,683,432; Sept. 4.
 Rail joint, Reinforced step. V. C. Armstrong. 1,663,619; Mar. 27.
 Rail-joint splicing and supporting plate, Combination. J. Coyne. 1,660,219; Feb. 21.
 Rail-joint spring. L. E. Endsley. 1,684,619; Sept. 18.
 Rail joint, Welded. J. W. Hobbs. 1,659,976; Feb. 21.
 Rail joints in tracks, Repairing worn. G. Langford. 1,670,515; May 22.
 Rail joints, Treating worn. G. Langford. 1,659,776; Feb. 21.
 Rail joints, Wear-compensating unit for. V. C. Armstrong. 1,656,552; Jan. 17.
 Rail lifter. J. Walter. 1,668,294; May 1.
 Rail lock. F. J. Schroeder. 1,657,940; Jan. 31.
 Rail lock. F. J. Schroeder. 1,665,115; Apr. 3.
 Rail, Railway. C. H. Sloan. 1,687,400; Oct. 9.
 Rail, Running. N. C. Rendleman. 1,692,905; Nov. 27.
 Rail-securing device. W. G. Coughlin. 1,688,801; Oct. 23.
 Rail support. G. H. B., and W. T. Wiebler. 1,687,275; Oct. 9.
 Rail tie. J. G. Durant, jr. 1,664,288; Mar. 27.
 Rail tie. E. Griesbaum. 1,686,320; Oct. 2.
 Rail tie, Concrete and steel spring. F. C. Mish. 1,695,604; Dec. 18.
 Rails, Fishplate for railway. E. Gruenfeldt. 1,682,960; Sept. 4.
 Rails, Splice bar for. P. J., A. P., and E. J. Sehn. 1,660,628; Feb. 28.
 Railroad coupler attachment. H. P. Speer. 1,692,281; Nov. 20.
 Railroad crossing. J. C. Bradshaw. 1,687,054; Oct. 9.
 Railroad crossing. R. E. Cotter. 1,664,061; Mar. 27.
 Railroad crossing. G. D. Crabbs. 1,689,278; Oct. 30.
 Railroad-crossing alarm. J. P. Dineen. 1,669,121; May 8.
 Railroad-crossing gate, Automatic electric. R. O. Dorgan. 1,666,559; Apr. 17.
 Railroad cross-tie. C. L. Arnold. 1,683,013; Sept. 4.
 Railroad Crosstie. H. A. Wills. 1,668,181; May 1.
 Railroad cross-tie. H. A. Wills. 1,696,662; Dec. 25.
 Railroad-frog protector. B. T. Gibbs, jr. 1,654,872; Jan. 3.
 Railroad frogs, Molding device for. A. T. Palmer. 1,668,169; May 1.
 Railroad gate. R. D. Stokes. 1,663,184; Mar. 20.
 Railroad gate, Automatic. Z. W. Molnar. 1,676,960; July 10.
 Railroad gate, Automatic. H. M. Purdy. 1,671,873; May 29.
 Railroad-rail fastening. J. A. Silver. 1,675,993; July 3.
 Railroad rails, Attaching means for. G. A. Allendorf and P. M. Kaberline. 1,672,865; June 12.
 Railroad rails, Cushioning device for. J. Harrison, sr. 1,656,353; Jan. 17.
 Railroad spreader. A. W. Banton. 1,656,618; Jan. 17.
 Railroad switch. M. Gervasio. 1,661,040; Feb. 28.
 Railroad switch. E. J. King. 1,681,860; Aug. 21.
 Railroad tie. S. F. Brohman. 1,685,980; Oct. 2.
 Railroad tie. W. F. Crockett. 1,657,993; Jan. 31.
 Railroad tie. T. De La Mare. 1,690,891; Nov. 6.
 Railroad tie. B. Haskell. 1,663,984; Mar. 27.
 Railroad tie. E. E. Hendrickson, and G. C. Dixon. 1,681,115; Aug. 14.
 Railroad tie. R. E. L. Maxey. 1,686,097; Oct. 2.
 Railroad tie, J. W. McManama. 1,696,247; Dec. 25.
 Railroad tie and rail fastener, Reinforced-concrete. N. S. De Foy. 1,669,079; May 8.
 Railroad-tie jack. T. H. Sheets. 1,670,941; May 22.
 Railroad-tie spacer. G. F. Dicks. 1,676,982; July 10.
 Railroad-track structure. W. Dalton. 1,657,240-2; Jan. 24.
 Railroad-track structure. W. Dalton. 1,666,688; Apr. 17.
 Railroad-vehicle frame. A. W. Bruce. 1,678,323-4; July 24.
 Railroads, Automatic section block system for. H. Arndt. 1,665,008; Apr. 3.
 Railroads, Block-signal system for. W. W. Wenholz. 1,664,054; Mar. 27.
 Railroads, Cattle guard for. A. Thibert. 1,685,889; Oct. 2.
 Railroads, Flangeway and rail guard for highway crossings of. P. E. Gerhard. 1,659,730; Feb. 21.
 Rail, Storage. O. N. Hall. 1,670,962; May 22.
 Rail-straightening device. S. Variva. 1,668,031; May 1.
 Rail support. W. P. Day. 1,682,665-6; Aug. 28.
 Rail tie. F. J. Strzyzewski. 1,671,877; May 29.
 Rail tie and fastening. W. T. Rightmire. 1,672,424; June 5.
 Rail tie and fastening means. J. H. B. Rea. 1,671,654; May 29.
 Rail truck body, Side-. S. E. Travis, jr. 1,681,021; Aug. 14.
 Rails to their supports, Securing railway. P. Ramy. 1,693,465; Nov. 27.
 Rails with removable heads, Fixation device for. J. Grohs. 1,695,730; Dec. 18.
 Railway accidents, Safety device for preventing. H. Grebehem. 1,666,695; Apr. 17.
 Railway and other vehicles, Brake apparatus for. H. E. Anderson. 1,660,700; Feb. 28.
 Railway and tramway trains, Speed-controlling device for. E. Rodolause. 1,665,112; Apr. 3.
 Railway booster. F. W. Martin. 1,675,571; July 3.
 Railway booster. M. H. Roberts. 1,676,575; July 10.
 Railway brake. W. J. Smith. 1,696,869; Dec. 25.
 Railway-brake-beam support. S. A. Crone. 1,655,756-7; Jan. 10.
 Railway brake beams, Emergency safety supporting bar for. S. A. Crone. 1,655,758; Jan. 10.
 Railway-car indicator, Street-. H. R. Gerrard. 1,671,190; May 29.
 Railway cars, etc., Seal for. C. R. Martineau. 1,654,547; Jan. 3.
 Railway cattle guard. C. D. Pruett and W. Kadernaschka. 1,666,348; Apr. 17.
 Railway coupling, Automatic. R. Szelinski. 1,682,152; Aug. 28.
 Railway crossing. J. D. Bundy. 1,674,498; June 19.
 Railway crossing. C. J. Cooley. 1,670,845; May 22.
 Railway crossing. O. J. King. 1,658,444; Feb. 7.
 Railway crossing. D. C. Mulvihill. 1,691,078; Nov. 13.
 Railway crossing. G. W. Wilson. 1,686,541; Oct. 9.
 Railway crossing, Continuous. C. Spahr, sr. 1,655,521; Jan. 10.
 Railway-crossing gate, Automatic. T. N. Coffelder. 1,667,537; Apr. 24.
 Railway-crossing guard. F. P. Miller. 1,692,184; Nov. 20.
 Railway roadbed. W. Dalton. 1,694,313; Dec. 4.
 Railway-crossing signal. J. E. Barnaby. 1,671,880; May 29.
 Railway-crossing signal. E. V. Steiner. 1,657,489; Jan. 31.
 Railway-crossing structure. H. E. Muchnic. Re16,974; May 22.
 Railway crossings, Gate structure for. W. T. Ferguson. 1,655,896; Jan. 10.
 Railway draft appliance. E. George, jr. 1,657,825; Jan. 31.
 Railway drawbar. H. E. Van Dorn. 1,667,298; Apr. 24.
 Railway, Elevated suspended. O. A. Ellis. 1,663,690; Mar. 27.
 Railway frog. R. G. Detmer. 1,656,100; Jan. 10.
 Railway frog. F. M. Volk. 1,660,694; Feb. 28.
 Railway-frog point. C. M. Lefew. 1,663,714; Mar. 27.
 Railway gate. R. Strickler and J. H. McJannett. 1,666,982; Apr. 24.
 Railway gate, Automatic. A. Bruchmann. 1,656,469; Jan. 17.
 Railway gate, Automatic. J. R. Burress. 1,676,227; July 3.
 Railway gate, Automatic. M. Duchsherer. 1,663,040; Mar. 20.
 Railway gate, Automatic. C. O. Moyer. 1,656,287; Jan. 17.
 Railway gate, Automatic. A. Widuch. 1,668,440; May 1.
 Railway joint, Seam-welded. N. R. Love. 1,671,535; May 29.
 Railway passenger coach with double decks, Type of. O. Hulse. 1,673,682; June 12.
 Railway rail. D. Davis. 1,670,879; May 22.
 Railway rail. F. C. McLean and J. Picard. 1,660,564; Feb. 28.
 Railway rail. W. H. Pfuger. 1,668,335; May 1.
 Railway-rail brace. L. Trivillian. 1,673,720; June 12.
 Railway rail, wheel, and brake shoe. J. L. Connelly. 1,666,167; Apr. 17.
 Railway rails, Fish plate for. J. and M. V. J. Menschaert. 1,670,976; May 22.
 Railway rails, Rail anchor or anticreep for. P. B. Meyer. 1,666,716; Apr. 17.
 Railway road-bed and track construction. E. R. Edson. 1,674,893; June 26.

- Railway sign. W. H. B. Lavarack and B. A. Lundy. 1,665,374; Apr. 10.
- Railway signal. C. Z. Miller. 1,688,734; Oct. 23.
- Railway signal. J. Wickeland. 1,658,316; Feb. 7.
- Railway signaling. L. O. Grondahl. 1,657,468; Jan. 31.
- Railway signaling. C. J. Kelloway. 1,672,415; June 5.
- Railway signaling. E. C. Sasnett. 1,661,507-8; Mar. 6.
- Railway signaling. E. C. Sasnett. 1,690,460; Nov. 6.
- Railway signaling. E. C. Sasnett. 1,690,506; Nov. 6.
- Railway signaling. L. E. Spray. 1,667,059; Apr. 24.
- Railway signaling. P. Tatz. 1,654,762; Jan. 8.
- Railway signaling and train control, System of. J. A. Miller. 1,662,047; Mar. 6.
- Railway signaling device. L. Haniford. 1,662,419; Mar. 13.
- Railway signaling device. H. Schiering and A. Reinhardt. 1,667,709; Apr. 24.
- Railway signaling system, Flash-light. R. J. Hewett. 1,660,332; Feb. 28.
- Railway signaling systems, Impedance bond for. A. E. Hudd and P. N. Roseby. 1,657,675; Jan. 31.
- Railway skate-operating apparatus. G. F. Murphy. 1,662,468; Mar. 13.
- Railway switch. E. R. Edson. 1,669,742; May 15.
- Railway switch. J. C. Mock. 1,655,235; Jan. 3.
- Railway switch. D. Tatum. 1,663,423; Mar. 20.
- Railway-switch stand. J. T. McGarry. 1,677,356; July 17.
- Railway-switch-selector-operating means. W. K. Howe. 1,667,473-4; Apr. 24.
- Railway switching system. E. Frölich. 1,671,108; May 29.
- Railway tie. G. J. Bates. 1,668,040; May 1.
- Railway tie. E. H. Bell and W. S. Boyce. 1,669,440; May 15.
- Railway tie. W. M. Black. 1,672,876; June 12.
- Railway tie. N. Hill. 1,683,824; Sept. 11.
- Railway tie. J. B. Maserang. 1,695,770; Dec. 18.
- Railway tie. A. Nasby. 1,676,107; July 3.
- Railway tie. R. W. Schultz. 1,662,402; Mar. 13.
- Railway tie and rail chair therefor. W. C. Temple. 1,663,425; Mar. 20.
- Railway-tie holder. J. M. Ewig. 1,656,186; Jan. 17.
- Railway tie, Metal. D. O. Snyder. 1,688,248; Oct. 16.
- Railway tie, Metallic. A. R. Rogers. 1,672,342; June 5.
- Railway-tie plate. J. Corl. 1,680,131; Aug. 7.
- Railway tie, rail fastener, and rail joint. J. C. Pope. 1,685,337; Sept. 25.
- Railway track. J. D. Hughes. 1,696,633; Dec. 25.
- Railway track and forming the same. F. A. Lundahl. 1,669,257; May 8.
- Railway-track circuit apparatus. H. S. Young. 1,664,446; Apr. 3.
- Railway-track construction. N. R. Love. 1,655,770; Jan. 10.
- Railway-track construction. E. Stenger and N. R. Love. 1,668,988; May 8.
- Railway track, Flexible. J. L. Clarkson. 1,694,528; Dec. 11.
- Railway-track-inspection apparatus. H. Dreyer. 1,667,246; Apr. 24.
- Railway tracks, Machine for raising and shifting. H. H. Talboys. 1,657,596; Jan. 31.
- Railway-traffic-controlling apparatus. B. R. Padmore. 1,657,583; Jan. 31.
- Railway-traffic-controlling apparatus, Method for testing. L. O. Grondahl and P. H. Geiger. 1,672,410; June 5.
- Railway-traffic-controlling apparatus, Testing device and method for. P. N. Bossart. 1,657,493; Jan. 31.
- Railway-train control. W. J. Underwood. 1,687,272; Oct. 9.
- Railway vehicle. J. H. de Iongh. 1,663,626; Mar. 27.
- Railway vehicle structure. W. O. Ashe and H. M. Pfager. 1,663,036; Mar. 20.
- Railways and the like, Safety device for. P. T. Webb. 1,666,362; Apr. 17.
- Railways, Cab-signaling and train-control system for. J. A. Miller and G. W. Cattell. 1,661,670; Mar. 6.
- Railways, Control and indicating system for electric. J. C. Field and F. Zogbaum. 1,654,928; Jan. 3.
- Railways, Shunting arrangement and arrangement for removing cars from and placing cars onto rails of suspension. F. Kruckenberg and C. Stedefeld. 1,656,589; Jan. 17.
- Railways, Track for high-speed suspension. F. Kruckenberg and C. Stedefeld. 1,659,322; Feb. 14.
- Raincoat. G. D. Mueller. 1,664,309; Mar. 27.
- Raincoat. F. Tamborello. 1,656,634; Jan. 17.
- Raincoat and jacket, Combination. J. Markin. 1,654,691; Jan. 3.
- Raising and locating submerged vessels, Apparatus for. T. T. R. W., and R. Hodges. 1,685,540; Sept. 25.
- Raising water, Apparatus for. C. Anderson. 1,683,321; Sept. 4.
- Rake: See—
- Broom rake. Horse-drawn rake.
- Cleaning rake. Side-delivery rake.
- Delivery rake. Sweep rake.
- Hayrake. Tractor sweeprake.
- Rake. A. T. Griffith. 1,681,336; Aug. 21.
- Rake. A. Morgan. 1,682,795; Sept. 4.
- Rake. N. F. B. Ostberg. 1,693,492; Nov. 27.
- Rake. K. T. Tanaka. 1,663,395; Mar. 20.
- Rake and binding apparatus, Combined. M. Jeanson. 1,685,163; Sept. 25.
- Rake and swath turner, Side-delivery. P. Randall. 1,687,310; Oct. 9.
- Raker gauge. D. D. Terrill. 1,659,475; Feb. 14.
- Rakes, Adjusting mechanism for sweep. C. Pearson. 1,695,503-4; Dec. 18.
- Rakes Cleaner attachment for. F. A. Howe and N. C. Bang. 1,677,635; July 17.
- Ram. C. B. Upton. 1,695,305; Dec. 18.
- Ram for stokers, Auxiliary. D. C. Hess. 1,687,614; Oct. 16.
- Ramming machine. S. C. Bliss. 1,675,088; June 26.
- Rand bending and molding machine. D. Parks. 1,680,431; Aug. 14.
- Range. L. A. Althoff. 1,661,647; Mar. 6.
- Range. W. L. Gregg. 1,692,650; Nov. 20.
- Range. L. T. Wilcox. 1,679,555; Aug. 7.
- Range. H. F. Zarth. Des. 74,536; Feb. 21.
- Range. H. F. Zarth. Des. 75,760; July 10.
- Range closure casing, Gas-. M. Rudic. 1,661,964; Mar. 6.
- Range, Coal and wood. J. H. Sandell. Des. 75,875; July 24.
- Range, Combination coal and electric. F. F. Forshee. 1,665,920; Apr. 10.
- Range construction. S. Harter. 1,691,762; Nov. 13.
- Range construction, Gas-. H. Hoecker, Jr., T. Thompson, and O. Hammermeister. 1,663,348; Mar. 20.
- Range converter. H. C. Ford. 1,679,936; Aug. 7.
- Range, Cooking. M. L. and J. M. Packer. 1,690,036; Oct. 30.
- Range, Domestic. L. Dana. Des. 75,014; May 1.
- Range drive. J. W. Corey. 1,696,386; Dec. 25.
- Range, Electric. C. R. Porter. 1,690,946; Nov. 6.
- Range, Electric. A. W. Walker. 1,692,065; Nov. 20.
- Range finder. G. Griffith. 1,678,062; July 24.
- Range finder. W. A. Mouton. 1,667,943; Apr. 24.
- Range, Gas. G. Hammer. Des. 75,559; June 19.
- Range, Gas. B. E. Meacham. 1,689,955; Oct. 30.
- Range, Gas. E. R. Methudy. Des. 76,317-18; Sept. 11.
- Range, Gas. M. A. Possons. Des. 76,497; Oct. 2.
- Range, Gas. T. E. Taylor. 1,681,068; Aug. 14.
- Range jet burner. A. G. Kaufman. 1,671,931; May 29.
- Range valve and operating member therefor, Gas. F. G. Nicolaus. 1,661,845; Mar. 6.
- Range vent. F. F. Forshee. 1,664,206; Mar. 27.
- Range vent. F. F. Forshee. 1,684,008; Sept. 11.
- Ranges, Control system for electric. V. G. Vaughan. 1,657,521; Jan. 31.
- Ranges, etc., Ventilating hood for. T. R. Gerdes. 1,671,524; May 29.
- Ranges, Fume guard for cooking. J. Juralewicz. 1,686,617; Oct. 9.
- Ranges, Safety jet guard for gas. L. Garretson. 1,662,640; Mar. 13.
- Rat guard, Ship. G. Hansen. 1,683,615; Sept. 11.
- Rat or mouse trap. R. W. Knapp. 1,689,529; Oct. 30.
- Rat trap. C. L. Cessna. 1,675,532; July 3.
- Rat trap. T. F. Connolly, and L. Randle. 1,680,594; Aug. 14.
- Rat trap. O. W. Gustavson. 1,674,244; June 19.
- Rat trap. E. P. Seghers. 1,671,258; May 29.
- Rat trap, Electromechanical. M. Morawiecki. 1,660,013; Feb. 21.
- Ratchet brake, Safety reverse. G. Van Brimer, H. A. Magrath, J. Klancher, and B. Soots. 1,679,281; July 31.
- Ratchet device. D. P. Weir. 1,657,186; Jan. 24.
- Ratchet mechanism for lifting jacks. F. L. Gormley. 1,680,515; Aug. 14.
- Ratchet wrench. L. M. Gibson. 1,678,903; July 31.
- Ratchet wrench, Ball-socket. S. C. North. 1,670,547; May 22.
- Rate-of-flow controller. F. N. Connet and G. T. Huxford. 1,673,041; June 12.
- Rattle. C. H. Dietze, Jr. 1,693,140; Nov. 27.
- Rayon manufacture. G. A. Richter. 1,678,354; July 24.
- Rayon, Treatment of. E. K. Gladding and T. E. Sharpe. 1,655,097; Jan. 3.
- Rays, Method of and apparatus for separating certain. W. G. Wolfe and L. Bell. 1,657,776; Jan. 31.
- Razor. P. Cook. 1,681,396; Aug. 21.
- Razor. P. Cook. 1,681,466; Aug. 21.
- Razor. H. I. Gabagan and W. P. Aron. 1,675,487; July 3.
- Razor. J. Schick. 1,655,437; Jan. 10.
- Razor. J. W. Vlazny. 1,660,281; Feb. 21.
- Razor and stropping appliance, Safety. A. E. E. Hiorns. 1,657,162; Jan. 24.
- Razor blade. A. F. Ern. Des. 77,313; Dec. 25.
- Razor-blade holder. L. W. Baker. 1,665,836; Apr. 10.
- Razor-blade holder. J. P. Colgrove. 1,666,118; Apr. 17.
- Razor-blade holder. E. F. Hardevy. 1,654,808; Jan. 3.
- Razor-blade holder. J. Havran. 1,667,859; May 1.
- Razor-blade holder. E. H. Lusher. 1,673,412; June 12.
- Razor-blade holder, Safety-. E. Bardet. 1,665,125; Apr. 3.
- Razor-blade stropper. J. H. Grayson. 1,656,276; Jan. 17.
- Razor blades, Making curved. J. E. Drew. 1,672,516; June 5.
- Razor blades to be wrapped therewith in an envelope, Underlayer for. H. Pasch. 1,654,554; Jan. 3.
- Razor cleaner, Safety-. W. Berchielli. 1,695,135; Dec. 11.
- Razor, Corn. E. H. Anshelm. 1,681,207; Aug. 21.
- Razor, Electric. J. C. Holcomb. 1,675,805; July 3.

- Razor, Electric safety. C. F. Bailey. 1,659,184; Feb. 14.
 Razor, Electric safety. S. W. Moon. 1,663,809; Mar. 27.
 Razor, Electrical safety. W. P. Aron. 1,659,905; Feb. 21.
 Razor, Flash-light safety. F. Pollifrone. 1,693,348; Nov. 27.
 Razor hanger, Safety. R. Doner. 1,663,875; Mar. 27.
 Razor, Ribbon safety. W. G. Moore. 1,682,794; Sept. 4.
 Razor, Safety. R. Aguilar. 1,664,279; Mar. 27.
 Razor, Safety. F. A. Alvarado. 1,682,462; Aug. 28.
 Razor, Safety. P. H. Berger. Des. 75,147; May 15.
 Razor, Safety. E. C. Bunnell. 1,678,933; July 31.
 Razor, Safety. G. D. del Castillo. 1,675,793; July 3.
 Razor, Safety. E. L. Edgar. 1,672,310; June 5.
 Razor, Safety. H. J. Gaisman. 1,658,435; Feb. 7.
 Razor, Safety. C. H. Hapgood. 1,672,028; June 5.
 Razor, Safety. J. L. King. 1,679,670; Aug. 7.
 Razor, Safety. L. A. McAbee. 1,670,309; May 22.
 Razor, Safety. T. R. McCreery. 1,661,129; Feb. 28.
 Razor, Safety. J. Oberheim. 1,694,337; Dec. 4.
 Razor, Safety. H. Ostrovsky. 1,675,128; June 26.
 Razor, Safety. M. J. Smith. 1,690,557; Nov. 6.
 Razor, Safety. B. F. Stewart. 1,693,532; Nov. 27.
 Razor, Safety. R. M. Valabreque. 1,687,910; Oct. 16.
 Razor, Safety. V. P. Yacoubyan. 1,690,608; Nov. 6.
 Razor, Self-sharpening safety. P. Cook. 1,674,949; June 26.
 Razor, Universal safety. E. G. Tornkvist. 1,679,551; Aug. 7.
 Razors, Attachment for. J. N. Garfinkle. 1,676,183; July 3.
 Reactance device. S. M. Lucas. 1,693,178; Nov. 27.
 Reaction resistance, Adjustable. F. J. Zamboni. 1,655,034; Jan. 3.
 Reading device, Optical. J. C. Karnes. 1,688,637; Oct. 23.
 Reading machine. B. A. Fiske. 1,669,870; May 15.
 Reading stand. A. M. Ellis. 1,686,443; Oct. 2.
 Reamer, Adjustable. H. Thomsen. 1,663,223; Mar. 20.
 Reamer, Expandable. M. I. Seiler. 1,654,610; Jan. 3.
 Reamer, Expansion. W. Aab. 1,658,180; Feb. 7.
 Reamer, Expansion. E. E. Davis. 1,674,890; June 26.
 Reamer, Rotary. A. Boynton. 1,686,403; Oct. 2.
 Reamer, Sectional abrasive. R. S. Rodgers. 1,679,269; July 31.
 Reamer, Valve-seat. W. H. Evans. 1,680,510; Aug. 14.
 Reamer, Valve-seat. M. W. Thaele. 1,677,465; July 17.
 Reamer, Valve-seat. R. C. Willis. 1,693,129; Nov. 27.
 Reaming attachment for threading machines and the like, Cutting off and. L. S. Hall. 1,673,979; June 19.
 Reaming smoking pipes, Apparatus for. H. M. Johnson. 1,685,087; Sept. 25.
 Reaping or harvesting machine for harvesting hemp or similar stalks or crops. H. I. Cromer. 1,678,134; July 24.
 Rear-quarter construction. H. C. Maise and W. Marshall. 1,657,019; Jan. 24.
 Reatomizer. W. W. Stryker. 1,660,730; Feb. 28.
 Reatomizing device. R. F. Mills. 1,683,089; Sept. 4.
 Reboring or refinishing cylinders, Machine for. B. J. Farr and M. H. Westbrook. 1,683,339; Sept. 4.
 Receipt recorder. C. H. Richter. 1,662,034; Mar. 6.
 Receiver. E. A. Bohlman. 1,657,145; Jan. 24.
 Receiver. S. Hiroseawa. 1,660,615; Feb. 28.
 Receiver. W. Knisling. 1,677,185; July 17.
 Receiver. E. J. Nielsen. 1,661,082; Feb. 28.
 Receiver. C. A. Plante. 1,679,986; Aug. 7.
 Receiver. H. G. Webster. 1,688,674; Oct. 23.
 Receiver for suspending toilet-paper rolls, Integral. A. Baruch. 1,664,392; Apr. 3.
 Receiver, Loud-speaking. S. E. Witt. 1,664,012; Mar. 27.
 Receiver separator. C. G. Hawley. 1,684,022; Sept. 11.
 Receiver, Single-control. B. Washington. 1,659,417; Feb. 14.
 Receiving device for distant-vision installation. G. Valensi. 1,664,798; Apr. 3.
 Receiving loop. P. J. Moloney. 1,660,718; Feb. 28.
 Receiving system. W. A. MacDonald. 1,660,930; Feb. 28.
 Receiving system, Electromagnetic wave. O. C. Roos. 1,683,847; Sept. 11.
 Receptacle. S. E. Allerton. 1,670,131; May 15.
 Receptacle. L. C. Ament. 1,690,046; Oct. 30.
 Receptacle. H. C. Ash. 1,692,794; Nov. 20.
 Receptacle. R. H. Banks. 1,681,210; Aug. 21.
 Receptacle. W. E. J. Crossby and J. Mellor. 1,683,166; Sept. 4.
 Receptacle. F. H. Doerr. 1,685,276; Sept. 25.
 Receptacle. F. M. Drake. 1,674,962; June 26.
 Receptacle. W. H. Fulper. 1,678,810; July 31.
 Receptacle. H. L. Haines. 1,657,572; Jan. 31.
 Receptacle. H. Leberman. 1,672,417; June 5.
 Receptacle. L. W. Luellen. 1,654,982; Jan. 3.
 Receptacle. E. J. Qvarnstrom. 1,658,496; Feb. 7.
 Receptacle. P. Strange. 1,663,618; Mar. 27.
 Receptacle. A. H. Thrower. 1,665,184; Apr. 3.
 Receptacle. W. K. White. 1,689,217; Oct. 30.
 Receptacle. C. H. Young. 1,682,928; Aug. 28.
 Receptacle. A. Zeindhofer. 1,695,477; Dec. 18.
 Receptacle and buffer, Combined. F. J. Clemenger. 1,679,603; Aug. 7.
 Receptacle and fountain-pen holder, Combined. C. Hortz. Des. 74,264; Jan. 17.
 Receptacle and handle therefor. L. Levien. 1,682,048; Aug. 28.
 Receptacle and plug, Grounding. P. F. Labre. 1,672,067; June 5.
 Receptacle and producing same, Metallic. O. T. Smith and L. A. Diller. 1,673,645; June 12.
 Receptacle, Ash. L. M. Waite. 1,660,143; Feb. 21.
 Receptacle closure. G. S. Bowman. 1,672,877; June 12.
 Receptacle closure. A. I. Cone. 1,657,662; Jan. 31.
 Receptacle closure. C. D. Harrison and P. D. Lindsey. 1,683,888; Sept. 11.
 Receptacle closure. A. Mauser. 1,673,011; June 12.
 Receptacle closure. H. Olt. 1,676,044; July 3.
 Receptacle, Closure for. A. A. Thomas. 1,675,006; June 26.
 Receptacle, Cooking, freezing, and storing. C. S. Humphrey. 1,666,012; Apr. 10.
 Receptacle, Cushioned glass. J. E. Marsden. 1,658,453; Feb. 7.
 Receptacle, Dispensing. R. A. Bernhard. 1,667,302; Apr. 24.
 Receptacle, Dispensing. B. O. Rhodes. 1,667,821; May 1.
 Receptacle, Display. A. A. Matheson. 1,663,088; Mar. 20.
 Receptacle, Double-walled vacuum. M. P. Wetmore. 1,663,032; Mar. 20.
 Receptacle, Electric. J. W. Phelps. 1,694,141; Dec. 4.
 Receptacle, Expandable and collapsible. W. M. Fulton. 1,668,895; May 8.
 Receptacle-filling machine. C. W. Stone, R. R. Bumbaugh, J. Dan. 1,664,002; Mar. 27.
 Receptacle-filling machine. D. A. Urie. 1,655,584; Jan. 10.
 Receptacle for cigar, cigarette, and match stubs, Sanitary. H. J. Miller. 1,666,215; Apr. 17.
 Receptacle for cigarettes and similar articles, Dispensing. R. S. Knapp. Des. 75,163; May 15.
 Receptacle for cosmetics or the like, Dressing-table. L. L. Millring. Des. 76,884; Nov. 13.
 Receptacle for dental use, Sanitary. F. L. Dalley. 1,659,315; Feb. 14.
 Receptacle for face powder and the like. P. C. P. Booty. 1,656,878; Jan. 17.
 Receptacle for face powder and the like. P. C. P. Booty. 1,680,317; Aug. 14.
 Receptacle for face powder and the like. P. C. P. Booty. 1,687,748; Oct. 16.
 Receptacle for golf players' accessories. E. J. McGraw. 1,665,214; Apr. 10.
 Receptacle for liquids. R. S. Cook. 1,674,638; June 26.
 Receptacle for merchandise, samples, and advertising matter relating to same, Display and service. J. H. Hengehold. 1,681,406; Aug. 21.
 Receptacle for powder or rouge. P. M. Guillaume. 1,694,818; Dec. 11.
 Receptacle for powdered and granular materials, Dispensing. G. E. Wilson. 1,691,261; Nov. 13.
 Receptacle for use by smokers for tobacco ash and the like. J. J. B. and A. C. Cole. 1,687,362; Oct. 9.
 Receptacle for used razor blades. J. Kaufman. Des. 74,229; Jan. 10.
 Receptacle for volatile liquids. C. R. Johnson. 1,690,072; Oct. 30.
 Receptacle, Hygienic shaving-soap. V. Nyeznick. 1,658,388; Feb. 7.
 Receptacle, Ice-cream-cone. C. R. Lord. 1,674,209; June 19.
 Receptacle, Knockdown. J. W. Hunter. 1,669,300; May 8.
 Receptacle-lid-fitting. H. W. Rothera. 1,671,547; May 29.
 Receptacle, Liquid. S. and V. Goldberg. 1,695,583; Dec. 18.
 Receptacle, Liquid. N. S. Hillyard. 1,654,810; Jan. 3.
 Receptacle-making machines, Tucker and folder mechanism for. C. P. Wellman. 1,672,552; June 5.
 Receptacle, Measuring and dispensing. C. B. Doolin. 1,696,079; Dec. 18.
 Receptacle, Mechanical. M. V. Samuels. 1,693,096; Nov. 27.
 Receptacle, Metal. S. Hammer. 1,692,653; Nov. 20.
 Receptacle, Metal. S. Ringer. 1,664,431; Apr. 3.
 Receptacle, Metal. S. Ringer. 1,694,487; Dec. 11.
 Receptacle, Molded-glass. J. E. Marsden. 1,684,498; Sept. 18.
 Receptacle, Newspaper. G. D. Cunningham. 1,656,426; Jan. 17.
 Receptacle or container and making the same, Paper. F. T. Nicholson. 1,682,977; Sept. 4.
 Receptacle, Paper. C. H. McGhiehan. 1,677,040; July 10.
 Receptacle, Printer's sheet. C. Korzenborn. 1,676,095; July 3.
 Receptacle, Refrigerator revolving. L. S. and R. Shauer. 1,687,149; Oct. 9.
 Receptacle, Refuse. S. D. Bundy. 1,692,287; Nov. 20.
 Receptacle, Removably-mounted. G. E. Roedding. 1,673,531; June 12.
 Receptacle, Rubber or overshoe. W. Brown. 1,671,977; June 5.
 Receptacle, Sadiron. E. E. Glass. 1,681,291; Aug. 21.
 Receptacle, Safety-deposit. E. S. Peer. 1,676,707; July 10.
 Receptacle, Sanitary. R. Henoeh. 1,655,953; Jan. 10.
 Receptacle, Sap-collecting. J. W. and C. S. Buchanan. 1,671,888; May 29.
 Receptacle, Sectional garbage and refuse. W. G. and M. A. Ives. 1,692,170; Nov. 20.

- Receptacle, Self-closing. W. R. Meuttman. 1,691,160; Nov. 13.
- Receptacle, Shaving-compact. W. L. Orme. Des. 75,445; June 5.
- Receptacle, Sheet-metal. V. P. Wendle and M. L. Hunker. 1,690,261; Nov. 6.
- Receptacle, Shipping. O. O. Brown. 1,689,068; Oct. 23.
- Receptacle, Shipping and storing. W. Peters, O. Stier, and T. Kalinowsky. 1,674,296; June 19.
- Receptacle, Sink and garbage. H. T. McCarthy. 1,654,742; Jan. 3.
- Receptacle, Smokeless. H. A. Reese. 1,695,846; Dec. 18.
- Receptacle, Smoker's. W. I. Goscener. 1,681,852; Aug. 21.
- Receptacle, Spring-operated self-closing. A. I. Cone and C. A. Darius. 1,656,509; Jan. 17.
- Receptacle, Spring-operated self-closing shaker. A. I. Cone. 1,657,661; Jan. 31.
- Receptacle, Switch. H. Hubbell. 1,672,219; June 5.
- Receptacle, Thermo fish. C. E. Soderman. 1,688,440; Oct. 23.
- Receptacle, Two-compartment. A. A. Ruttan. 1,668,979; May 8.
- Receptacle, Vegetable. W. B. Flanagan. Des. 76,535; Oct. 9.
- Receptacle, Waterproof. D. H. Strayer. 1,671,385; May 29.
- Receptacle with closure means therefor. D. H. Clark. 1,654,720; Jan. 3.
- Receptacles, Apparatus for closing and sealing. E. L. Jones. 1,688,499; Oct. 23.
- Receptacles for perfumery products, Closure for. R. T. Brewster. Des. 74,166; Jan. 3.
- Receptacles, Impermeable coating for oil. A. Dulac. 1,659,863; Feb. 21.
- Receptacles, Making. T. B. Wright. 1,689,097; Oct. 23.
- Receptacles, Method of and apparatus for forming fibrous pulp. J. B. Hawley. 1,673,047; June 12.
- Receptacles, Producing tapered expanded-metal. H. Kielberg. 1,664,629; Apr. 3.
- Reciprocating electric motor. J. D. Langdon. 1,668,278; May 1.
- Reciprocating engine. W. Nielebock. 1,690,126; Nov. 6.
- Reciprocating engine. P. M. Webb. 1,687,744; Oct. 16.
- Reciprocating motor. C. S. Weyandt. 1,680,311; Aug. 14.
- Recirculating process and apparatus for gas purification. F. W. Speer, jr. 1,690,438; Nov. 6.
- Reclaiming metals, Apparatus for. T. D. Stay and C. O. Tessier. 1,679,385; Aug. 7.
- Reclaiming suspended solids from white water of paper manufacture. A. and G. S. Backus. 1,670,874; May 22.
- Recleaner. W. H. Worthington. 1,669,686; May 15.
- Reclining chair. H. F. Doyle. 1,688,576; Oct. 23.
- Reclining mat. B. F. B. Sewell, Chula, Va. 1,696,362; Dec. 25.
- Recoil and run-out apparatus for ordnance. A. T. Dawson and G. T. Buckham. 1,685,910; Oct. 2.
- Recoil-control device. A. E. Bannister. 1,671,567; May 29.
- Recoil mechanism. C. M. Cronkhite. 1,671,410; May 29.
- Recoil or snubbing mechanism. C. M. Cronkhite. 1,673,230; June 12.
- Recompressor, Spring. N. Sulentic. 1,677,934; July 24.
- Reconditioning mineral oils, Process and apparatus for. C. J. Rodman. 1,685,681; Sept. 25.
- Record composition, Sound-. F. E. Layman and L. T. Richardson. 1,682,913; Sept. 4.
- Record-controlled machine. J. W. Bryce. 1,658,024; Jan. 31.
- Record-controlled machines, Current-inducing device for. J. W. Bryce. 1,658,023; Jan. 31.
- Record-holding marker. G. W. Eschenbach. 1,674,005; June 19.
- Record repeater, Phonograph-. M. H. Perez. 1,656,530; Jan. 17.
- Record stop. E. S. Geer. 1,675,852; July 3.
- Record strip. A. M. Bovier. 1,681,168; Aug. 21.
- Record, Talking-motion-picture. L. de Forest. 1,695,415; Dec. 18.
- Recorder: See—
- Autographic speed. Oil-change recorder.
 - Gas-analysis recorder. Telephone-call recorder.
 - Humidity recorder. Time recorder.
 - Impact recorder. Vibration recorder.
- Recorder. C. H. Au. 1,676,848; July 10.
- Recording and controlling machine, Electromechanical. P. Trojani and C. D'Ascanio. 1,694,631; Dec. 11.
- Recording and exhibiting, Method of and apparatus for. W. J. Citron. 1,664,770; Apr. 3.
- Recording and reproducing of sound waves. L. Espenschied. 1,685,913; Oct. 2.
- Recording and reproducing of sound waves. J. L. Walker. 1,680,653; Aug. 14.
- Recording and sales-check mechanism for fluid-dispensing pumps. A. R. Mason and O. C. Failing. 1,693,092; Nov. 27.
- Recording and sound-reproducing machine. Sound-. A. Remy, J. Reneaux, J. Delort, and F. Debrebant. 1,695,025; Dec. 11.
- Recording apparatus. A. N. E. Boos. 1,676,619; July 10.
- Recording apparatus for oarsmen. H. E. Seagraves. 1,679,631; Aug. 7.
- Recording apparatus for relays. E. Gasiorowski. 1,687,555; Oct. 16.
- Recording apparatus for testing machines. W. J. Tretch and F. Buckingham. 1,664,999; Apr. 3.
- Recording apparatus, Stock. W. Genest. 1,654,969; Jan. 3.
- Recording device. F. W. G. Bruhn. 1,681,460; Aug. 21.
- Recording device. H. L. Hoffmann. 1,658,846; Feb. 14.
- Recording device. M. B. Sanders. 1,689,055; Oct. 23.
- Recording device and using the same. E. H. Patchin. 1,656,227; Jan. 17.
- Recording device, Oil-change-. F. A. Cook. 1,686,369; Oct. 2.
- Recording device, Sales-. H. E. Baker. 1,669,804; May 15.
- Recording device, Sales-. L. W. Langford. 1,669,765; May 15.
- Recording instrument. E. A. Heman. 1,686,326; Oct. 2.
- Recording machine. J. L. R. Banks. 1,662,949; Mar. 20.
- Recording means. H. S. Booth and J. P. Ruhl. 1,660,472; Feb. 28.
- Recording means. H. L. Merrick. 1,693,701; Dec. 4.
- Recording means for busy telephone lines. S. V. C. Scruby, B. A. Turkhud, and F. de Fremery. 1,689,406; Oct. 30.
- Recording mechanism. J. B. Barkerville. 1,692,611; Nov. 20.
- Recording meter. P. Richert. 1,691,017; Nov. 6.
- Recording method and machine, Sales-. L. W. Langford. 1,669,766; May 15.
- Recording surfaces, Time-controlled driving mechanism for. W. C. Sutherland. 1,659,536; Feb. 14.
- Recording system. F. C. Bisbee. 1,654,633; Jan. 3.
- Recording system. G. F. Davis. 1,685,667; Sept. 25.
- Recording system. I. W. Green. 1,654,645; Jan. 3.
- Records, Making. J. L. R. Banks. 1,662,948; Mar. 20.
- Records, Making phonograph. F. E. Sincere. 1,671,788; May 29.
- Records, Making talking-machine. F. G. Mitchell. 1,671,437; May 29.
- Records, Producing and reproducing sound. E. S. Thomson. 1,665,331; Apr. 10.
- Recovering sugar values. R. C. Campbell. 1,685,118; Sept. 25.
- Recovery of waste gases in the production of sulphite pulp. G. A. Richter. 1,683,628; Sept. 11.
- Rectal, vaginal and surgical uses, Apparatus for. J. M. Fulton. 1,684,621; Sept. 18.
- Rectification of high-tension alternating current, Apparatus for. W. A. Schmidt. 1,675,057; June 26.
- Rectification, System for. F. Transom. 1,661,585; Mar. 6.
- Rectifier. W. G. Hettich. 1,674,645; June 26.
- Rectifier. A. Mavrogenis. 1,671,598; May 29.
- Rectifier and connection therefor. M. Schiesser. 1,691,447; Nov. 13.
- Rectifier apparatus. W. A. Peters, jr. 1,673,373; June 12.
- Rectifier, Electric-current. S. Ruben. 1,678,824-6; July 31.
- Rectifier, Rotary. C. M. Clay. 1,661,923; Mar. 6.
- Rectifier, Semimechanical. J. C. Schelleng. 1,673,026; June 12.
- Rectifier tube. C. Schicklerling. 1,687,898; Oct. 16.
- Rectifier tube. P. T. Weeks and C. E. Huffman. 1,675,073; June 26.
- Rectifier system. E. Kern. 1,688,189; Oct. 16.
- Rectifying and filtering system. F. H. Kroger. 1,686,974; Oct. 9.
- Rectifying apparatus. W. A. Peters, jr. 1,673,374; June 12.
- Rectifying device. N. B. Cregier. 1,685,909; Oct. 2.
- Rectifying device, Contact. W. O. Snelling. 1,686,260; Oct. 2.
- Rectifying system. H. D. Brown. 1,689,518; Oct. 30.
- Rectifying system. C. A. Sabbah. 1,689,502; Oct. 30.
- Rectifying system. H. F. Waite. 1,694,151; Dec. 4.
- Rectifying system. F. L. Walker, jr. 1,694,837; Dec. 11.
- Recuperator. E. C. Hopkins. 1,683,577; Sept. 4.
- Recuperator. J. Lundborg. 1,672,864; June 5.
- Recuperator. C. P. Mills. 1,673,122; June 12.
- Recuperator. E. W. Wescott. 1,657,704; Jan. 31.
- Reducing and smelting furnace. A. W. Waern. 1,661,742; Mar. 6.
- Reducing and supporting band. A. Locke. 1,667,989; May 1.
- Reducing materials by heat, Method of and apparatus for. W. W. Kemp. 1,677,784; July 17.
- Reduction device, Split. J. C. McCune. 1,693,652; Dec. 4.
- Reduction device, Split. T. H. Thomas. 1,693,626; Dec. 4.
- Reduction process for producing carbon binding metal or metal alloys, Direct. H. G. Flodin and E. G. T. Gustafson. 1,686,207; Oct. 2.
- Reed chair. E. R. McElligott. Des. 77,111; Dec. 4.
- Reed for looms. F. Hollstein. 1,688,495; Oct. 23.
- Reed or comb, Textile. H. Titmas. 1,662,591; Mar. 13.
- Reed structure. J. Reiser. 1,660,358; Feb. 28.
- Reefing boom, Automatic. C. Andrade, jr. 1,675,081; June 26.
- Reel: See—
- Assembly reel.
 - Binder reel.
 - Bleachery reel.
 - Cable reel.
 - Clothesline reel.
 - Clothes-line reel.
 - Cord reel.
 - Electric-iron reel.
 - Eraser reel.
 - Film reel.
 - Fish reel.
 - Fishing reel.
 - Grain reel.
 - Hose reel.
 - Knockdown reel.
 - Power reel.
 - Switching-cord reel.
 - Twine reel.
 - Wire reel.

- Reel. A. A. Bureau. 1,673,040; June 12.
 Reel. J. De Vogel. 1,658,799; Feb. 14.
 Reel. W. A. Heinrich. 1,688,582; Oct. 23.
 Reel. L. Hook. 1,696,681; Dec. 25.
 Reel. L. Johnson. 1,654,651; Jan. 3.
 Reel. L. Johnson. 1,678,472; July 24.
 Reel. F. Mossberg. 1,675,507; July 3.
 Reel. A. W. Ray. 1,672,732; June 5.
 Reel. J. Ruegg. 1,658,304; Feb. 7.
 Reel. M. Tischler. 1,674,185; June 19.
 Reel. C. A. Wickstrom. 1,672,969; June 12.
 Reel construction and length-measuring means. J. L. Burke. 1,685,904; Oct. 2.
 Reel for conducting cords. C. Blessman, jr. 1,693,884; Dec. 4.
 Reel for conductors, Spring. O. C. Kavle. 1,663,083; Mar. 20.
 Reeling apparatus, Strand-. J. N. Selvig. 1,672,784; June 5.
 Reeling apparatus, Strand-. J. N. Selvig. 1,673,887; June 19.
 Reeling device. H. E. Schnee. 1,675,429; July 3.
 Reeling device. W. G. Thomas. 1,674,709; June 26.
 Reeling machine. P. J. Thomas. 1,678,367; July 24.
 Reeling mechanism, Material. H. W. Jespersen. 1,637,308; Jan. 24.
 Reeling paper and the like. Mechanism for. A. Aldrich. 1,679,343; Aug. 7.
 Reels. Antibacklash attachment for. L. A. Haas. 1,677,631; July 17.
 Reenforce element, Structural. D. H. Bitney. 1,688,957; Oct. 23.
 Reenforced hand covering. G. A. Kurz. 1,673,517; June 12.
 Reenforcement bar for concrete steel and manufacturing the same. E. Hoffmann. 1,692,505; Nov. 20.
 Reenforcement for bee combs and comb foundations. H. C. Dadant. 1,674,501; June 19.
 Reenforcing bar. J. Sheedy. 1,689,504; Oct. 30.
 Reenforcing clip. E. D. Hallman. 1,663,909; Mar. 27.
 Reenforcing device for sides of perforations. L. A. Gale. 1,693,648; Dec. 4.
 Reenforcing metallic plates. Integral means for. A. E. Small. 1,681,442; Aug. 21.
 Reenforcing the edges of strip material. W. M. Wheildon. 1,692,236; Nov. 20.
 Refiner, Rotary. E. P. Arpin, jr. 1,689,190; Oct. 30.
 Refining apparatus. C. H. Leach. Re16,878; Feb. 14.
 Refining heavy mineral oils by means of sulphur dioxide in a continuous operation. L. Eddeanu, K. Pfeiffer, K. Gross, and P. Jodeck. 1,666,560; Apr. 17.
 Refining iron and steel products. C. W. Hill. 1,686,087; Oct. 2.
 Refining metals and alloys. A. Pacz. 1,691,207; Nov. 13.
 Refining of hydrocarbon oils. E. B. Phillips and J. G. Stafford. 1,687,992; Oct. 16.
 Refining of petroleum fractions. F. C. Axtell. 1,677,425; July 17.
 Refining of lead bullion and similar operations, Apparatus for use in. G. K. Williams. 1,687,187; Oct. 9.
 Refining of lead bullion containing other metals. G. K. Williams. 1,687,188; Oct. 9.
 Refining oil. H. F. Glair and O. E. Bransky. 1,683,289; Sept. 4.
 Refining oils and waxes. W. A. Patrick and E. B. Miller. 1,678,298; July 24.
 Refining oils, Apparatus for. J. Primrose. 1,693,156; Nov. 27.
 Refining oils, etc. W. K. Lewis. 1,686,493; Oct. 2.
 Refining wood rosin. G. E. Jenks. 1,694,179; Dec. 4.
 Reflecting device. J. C. Stimson. 1,671,086; May 22.
 Reflecting signal. R. Thompson. 1,658,265; Feb. 7.
 Reflectometer. F. A. Benford. 1,677,014; July 10.
 Reflector. P. S. Bailey. Des. 74,651; Mar. 13.
 Reflector. B. M. Lewis. 1,655,468; Jan. 10.
 Reflector. A. Loberg. 1,681,298; Aug. 21.
 Reflector. D. E. Stinson. 1,686,476; Oct. 2.
 Reflector and shade, Combined. W. J. Floyd. 1,692,892; Nov. 27.
 Reflector, Balanced modulating. J. H. Hammond, jr. 1,670,352; May 22.
 Reflector, Condensing. W. G. Wood. 1,679,108; July 31.
 Reflector, Configured. C. D. Ryder. 1,691,131; Nov. 13.
 Reflector for vehicles, Image. W. Hueller. 1,676,901; July 10.
 Reflector frame, Adjustable. L. S. Shively. 1,694,833; Dec. 11.
 Reflector, Head-lamp. L. Blackmore. 1,670,837; May 22.
 Reflector, Headlight. E. Schimpff. 1,691,307; Nov. 13.
 Reflector housing for display case lights. D. J. Biller. Des. 74,818; Apr. 3.
 Reflector-supported light-socket mounting. F. W. C. Neuner. 1,695,465; Dec. 18.
 Reflector, Myriad. L. B. Woeste. 1,662,554; Mar. 13.
 Reflector system for recording, Adjustable. N. H. Holland. 1,675,102; June 26.
 Reflector with projections, Christmas-tree. L. L. Raymond. 1,684,847; Sept. 18.
 Reflectors. Attaching light bulbs to. D. E. Riley. 1,688,598; Oct. 23.
 Reducing tower. R. Cross. 1,670,762; May 22.
 Refractory article and making same. A. F. Hottinger. 1,663,660; Mar. 27.
 Refractory article and making the same. A. J. Jackman. Re16,845; Jan. 3.
 Refractory article and material and making the same. G. S. Diamond. 1,674,961; June 26.
 Refractory, Bonded. R. E. Lowe. 1,694,924; Dec. 11.
 Refractory material. J. G. Donaldson and H. L. Coles. 1,673,106-7; June 12.
 Refractory material and producing the same. J. G. Donaldson and H. L. Coles. 1,668,306; May 1.
 Refractory material and the activation thereof. W. B. Gero. 1,663,547; Mar. 27.
 Refractory products and articles produced thereby, Making. W. A. Farish. 1,658,406; Feb. 7.
 Refractory ware. F. H. Riddle. 1,682,249; Aug. 28.
 Refreshment booth. F. N. Martin. Des. 74,515; Feb. 21.
 Refreshment mixer. G. M. Katz. 1,661,336; Mar. 6.
 Refreshment stand. T. W. Hill and E. J. Reed. Des. 76,750; Oct. 30.
 Refrigerant compressors, Driving mechanism for. C. F. Wasserfallen. 1,672,835; June 5.
 Refrigerant-control mechanism. C. C. Spreen. 1,688,896; Oct. 23.
 Refrigerating and air-circulating system. C. A. Moore. 1,678,678; July 31.
 Refrigerating and heat-interchanging apparatus. C. L. Burdick. 1,694,370; Dec. 11.
 Refrigerating and preserving comestibles. P. W. Petersen. 1,681,009; Aug. 14.
 Refrigerating apparatus. G. Bayer. 1,676,068; July 3.
 Refrigerating apparatus. C. L. Burdick. 1,694,369; Dec. 11.
 Refrigerating apparatus. C. Delaygue. 1,657,460; Jan. 31.
 Refrigerating apparatus. F. E. Dennison. 1,694,532; Dec. 11.
 Refrigerating apparatus. J. Fahrni. 1,693,373; Nov. 27.
 Refrigerating apparatus. L. Helmer. 1,667,350; Apr. 24.
 Refrigerating apparatus. N. H. Hiller. 1,691,286; Nov. 13.
 Refrigerating apparatus. F. G. Keyes. 1,665,370; Apr. 10.
 Refrigerating apparatus. J. G. King. 1,658,340-2; Feb. 7.
 Refrigerating apparatus. L. Kuhl. 1,671,531; May 29.
 Refrigerating apparatus. S. Otto. 1,684,196; Sept. 11.
 Refrigerating apparatus. R. C. Pierce. 1,670,868; May 22.
 Refrigerating apparatus. D. Powell. 1,688,596; Oct. 23.
 Refrigerating apparatus. I. H. Reindel. 1,670,379; May 22.
 Refrigerating apparatus. J. R. Replogle. 1,672,828; June 5.
 Refrigerating apparatus. W. E. Shew. 1,687,395; Oct. 9.
 Refrigerating apparatus. G. T. Smiley, and W. R. Ohse. 1,685,505; Sept. 25.
 Refrigerating apparatus. O. M. Summers. 1,696,459; Dec. 25.
 Refrigerating apparatus. M. E. Thompson. 1,693,355; Nov. 27.
 Refrigerating apparatus. A. M. Thomson. 1,670,756; May 22.
 Refrigerating apparatus. A. M. Thomson. 1,684,810; Sept. 18.
 Refrigerating apparatus. A. M. Thomson. 1,694,630; Dec. 11.
 Refrigerating apparatus. L. L. Torrey. 1,660,897; Feb. 28.
 Refrigerating apparatus. B. C. von Platen and C. G. Munters. 1,664,472; Apr. 3.
 Refrigerating apparatus. B. C. von Platen and C. G. Munters. 1,693,970; Dec. 4.
 Refrigerating apparatus. F. R. West. 1,659,581; Feb. 21.
 Refrigerating apparatus. F. E. Williams. 1,661,452; Mar. 6.
 Refrigerating apparatus. F. E. Williams. 1,662,353; Mar. 13.
 Refrigerating apparatus. Z. Wirt. 1,694,156; Dec. 4.
 Refrigerating apparatus, Absorption. J. O. Boving. 1,678,242; July 24.
 Refrigerating apparatus, Absorption. A. Richter. 1,685,340; Sept. 25.
 Refrigerating apparatus and method. T. B. Slate. 1,696,651; Dec. 25.
 Refrigerating apparatus, Artificial. J. H. Denny. 1,674,162; June 19.
 Refrigerating apparatus, Control system for. E. E. Ensign. 1,662,965; Mar. 20.
 Refrigerating apparatus, Cooling system for. T. C. Whitehead. 1,660,184; Feb. 21.
 Refrigerating apparatus, Cooling unit for mechanical. W. M. Hart. 1,658,193; Feb. 7.
 Refrigerating apparatus, Valved fitting for. J. G. King and H. B. Hull. 1,678,147; July 24.
 Refrigerating cabinet. D. C. Hooker. 1,667,114; Apr. 24.
 Refrigerating cars and a car for performing said method, Method of. R. B. Musser. 1,689,638; Oct. 30.
 Refrigerating case. R. E. Ottenheimer. Re16,941; Apr. 24.
 Refrigerating device, Fluid-operated. H. C. Kellogg. 1,668,771; May 8.
 Refrigerating machine. I. Lundgaard. 1,688,589; Oct. 23.
 Refrigerating machine. F. B. MacLaren. 1,673,153; June 12.
 Refrigerating machine. H. Nielsen. 1,694,427; Dec. 11.
 Refrigerating machine. C. Orr. 1,669,141; May 8.
 Refrigerating machine. G. Roos. 1,692,053; Nov. 20.
 Refrigerating machine. J. J. Wood. 1,665,871; Apr. 10.

- Refrigerating machine, Automatic. E. Rügger. 1,659,163; Feb. 14.
- Refrigerating machines, Regulating device for. K. Glässel. 1,665,878; Apr. 10.
- Refrigerating method and apparatus. P. W. Petersen. 1,689,965; Oct. 30.
- Refrigerating plant. I. Amundsen. Re17,045; July 24.
- Refrigerating system. H. W. Dyer. 1,658,187; Feb. 7.
- Refrigerating system. C. F. Hall and F. W. Lee. Re17,019; July 3.
- Refrigerating system. C. F. Hall and F. W. Lee. 1,669,465; May 15.
- Refrigerating system. E. Kindermann. 1,667,038; Apr. 24.
- Refrigerating system. A. S. Lewis. 1,673,082; June 12.
- Refrigerating system. F. E. Lynn. 1,679,729; Aug. 7.
- Refrigerating system. J. R. Replogle. 1,672,827; June 5.
- Refrigerating system. F. W. Schwinn. 1,676,837; July 10.
- Refrigerating system. H. W. Tohtz and K. L. Bonnell. 1,678,172; July 24.
- Refrigerating system and operating the same. L. G. Copeman. 1,693,138; Nov. 27.
- Refrigerating system with automatic control. F. R. Zumbro. 1,662,558; Mar. 13.
- Refrigerating systems, Automatic control for. F. R. Zumbro. 1,673,218; June 12.
- Refrigerating unit. F. L. Bryant. 1,693,433; Nov. 27.
- Refrigerating unit. J. R. Replogle. 1,672,825; June 5.
- Refrigerating unit. G. B. Scarlett. 1,688,023; Oct. 16.
- Refrigerating units, Shield for. R. A. Riek. 1,683,919; Sept. 11.
- Refrigeration. S. M. Bäckström. 1,673,931; June 19.
- Refrigeration. F. O. Conill. 1,679,205; July 31.
- Refrigeration. A. A. Kucher. 1,656,917; Jan. 24.
- Refrigeration. A. Lenning. 1,672,265; June 5.
- Refrigeration. A. Lenning. 1,674,830; June 26.
- Refrigeration. A. Lenning. 1,692,791; Nov. 20.
- Refrigeration. C. G. Munters. 1,679,439-40; Aug. 7.
- Refrigeration. C. G. Munters. 1,692,790; Nov. 20.
- Refrigeration. C. G. Munters. 1,693,553; Nov. 27.
- Refrigeration. O. F. Nelson. 1,661,381; Mar. 6.
- Refrigeration. J. L. Schlitt and W. Dennis. 1,678,485; July 24.
- Refrigeration. C. C. Spreen. 1,672,832; June 5.
- Refrigeration. C. C. Spreen. 1,672,834; June 5.
- Refrigeration. C. C. Spreen. 1,688,898-9; Oct. 23.
- Refrigeration. C. C. Spreen. 1,690,314; Nov. 6.
- Refrigeration. C. C. Van Nuys. 1,696,558; Dec. 25.
- Refrigeration. H. S. Vassar. 1,693,357; Nov. 27.
- Refrigeration. B. C. von Platen and C. G. Munters. 1,664,471; Apr. 3.
- Refrigeration. B. C. von Platen and C. G. Munters. 1,669,269; May 8.
- Refrigeration. B. C. von Platen and C. G. Munters. 1,678,277; July 24.
- Refrigeration. B. C. von Platen and C. G. Munters. 1,686,425; Oct. 2.
- Refrigeration. B. C. von Platen and C. G. Munters. 1,687,957; Oct. 16.
- Refrigeration and apparatus therefor. C. C. Palmer. 1,695,292; Dec. 18.
- Refrigeration apparatus. H. C. Folger. 1,693,377; Nov. 27.
- Refrigeration apparatus. W. H. Thompson. 1,655,212; Jan. 3.
- Refrigeration, Mechanical. C. C. Spreen. 1,672,831; June 5.
- Refrigeration, Mechanical. C. C. Spreen. 1,672,833; June 5.
- Refrigeration, Mechanical. C. C. Spreen. 1,688,885-8; Oct. 23.
- Refrigeration, Mechanical. C. C. Spreen. 1,688,892-5; Oct. 23.
- Refrigeration, Mechanical. C. C. Spreen. 1,688,900; Oct. 23.
- Refrigeration, Process and apparatus for. G. T. Voorhees. 1,684,423; Sept. 18.
- Refrigeration, Rectifying and condensing apparatus for. A. Lenning. 1,671,949; May 29.
- Refrigeration system. G. Hilger. 1,662,806; Mar. 13.
- Refrigeration, System of. P. E. Haynes. 1,675,455; July 3.
- Refrigerator. S. G. Brinkman. 1,667,281; Apr. 24.
- Refrigerator. J. O. Carrey. 1,657,742; Jan. 31.
- Refrigerator. J. C. Christensen. 1,686,072; Oct. 2.
- Refrigerator. M. Ellis. 1,690,060; Oct. 30.
- Refrigerator. P. W. Flint. 1,693,200; Nov. 27.
- Refrigerator. G. J. Gruendler and W. A. Melctio. 1,690,407; Nov. 6.
- Refrigerator. A. N. Hornung. 1,693,078; Nov. 27.
- Refrigerator. J. L. Jones. 1,677,454; July 17.
- Refrigerator. C. G. Juneau. 1,693,387; Nov. 27.
- Refrigerator. A. A. Kucher. 1,656,918; Jan. 24.
- Refrigerator. C. B. Longstreth. 1,686,568; Oct. 9.
- Refrigerator. C. A. Moore. 1,661,671; Mar. 6.
- Refrigerator. C. G. Munters. 1,670,632; May 22.
- Refrigerator. H. A. W. Petersen. 1,679,875; Aug. 7.
- Refrigerator. E. F. Pierce. 1,668,781; May 8.
- Refrigerator. J. R. Replogle. 1,688,831; Oct. 23.
- Refrigerator. F. T. Rodgers. 1,662,587; Mar. 13.
- Refrigerator. F. T. Rodgers. 1,674,450; June 19.
- Refrigerator. J. A. Schnur. 1,686,179; Oct. 2.
- Refrigerator. J. A. Seeger. 1,657,487; Jan. 31.
- Refrigerator. W. G. and G. R. Seeger. 1,684,716; Sept. 18.
- Refrigerator. E. Swedman. 1,684,563; Sept. 18.
- Refrigerator. H. W. Tohtz and K. L. Bonnell. 1,678,171; July 24.
- Refrigerator. J. M. Torres y Curbelo. 1,686,205; Oct. 2.
- Refrigerator. C. W. Vollmann. 1,669,637; May 15.
- Refrigerator. B. C. von Platen and C. G. Munters. 1,666,760; Apr. 17.
- Refrigerator. B. C. von Platen and C. G. Munters. 1,685,764; Sept. 25.
- Refrigerator. C. F. Wade. Des. 75,882; July 24.
- Refrigerator. W. H. Whittier. 1,688,908-9; Oct. 23.
- Refrigerator and installation construction therefor. O. Strufe. 1,685,248; Sept. 25.
- Refrigerator and waste-disposal apparatus, Combination sanitary. A. H. Allen. 1,695,133; Dec. 11.
- Refrigerator, Bottle. C. N. Miller. 1,695,256; Dec. 11.
- Refrigerator, Bottle-dispensing. C. A. Frick. 1,695,956; Dec. 18.
- Refrigerator, Bottle-dispensing. J. E. Sapp. 1,689,256; Oct. 30.
- Refrigerator cabinet. H. B. Hull. 1,668,646; May 8.
- Refrigerator cabinet and controlling and operating the same. L. G. Copeman. 1,681,399; Aug. 21.
- Refrigerator cabinet and controlling the temperature therein. L. G. Copeman. 1,681,398; Aug. 21.
- Refrigerator car. D. L. Reynolds. 1,689,081; Oct. 23.
- Refrigerator chambers, Construction of. J. G. Meynieu. 1,678,742; July 31.
- Refrigerator construction. C. E. Lucke. 1,684,549; Sept. 18.
- Refrigerator control. L. Blackmore. 1,658,323; Feb. 7.
- Refrigerator-control mechanism. W. E. Bihl. 1,654,523; Jan. 3.
- Refrigerator counter. E. J. La Fontaine. 1,668,212; May 1.
- Refrigerator, Display. A. H. Siebert. 1,694,147; Dec. 4.
- Refrigerator display case. G. Schmidt. 1,664,489; Apr. 3.
- Refrigerator display counter. A. H. Ehrlich. 1,673,621; June 12.
- Refrigerator drain trap. C. E. Kilbourne. 1,666,937; Apr. 24.
- Refrigerator, Electric. F. S. Wood and H. P. Wood. 1,673,860; June 19.
- Refrigerator for two-temperature cabinets. J. G. Peck. 1,663,481; Mar. 20.
- Refrigerator freezing device. T. J. Little, jr. 1,684,590; Sept. 18.
- Refrigerator lining and method of making. R. A. Riek. 1,684,145; Sept. 11.
- Refrigerator of the absorption type. B. C. Von Platen and C. G. Munters. 1,675,474; July 3.
- Refrigerator or cabinet. L. G. Copeman. 1,681,397; Aug. 21.
- Refrigerator or cabinet. L. G. Copeman. 1,692,159; Nov. 20.
- Refrigerator, Show-case. C. E. Klaus. 1,681,242; Aug. 21.
- Refrigerator water-cooling coil. H. L. Whittier. 1,672,837; June 5.
- Refrigerators, Attachment for household. S. G. Garrett. 1,670,959; May 22.
- Refrigerators, Cooling tank for. C. J. Berthel. 1,683,518; Sept. 4.
- Refrigerators, Cooling unit for. F. G. Slagel. 1,679,010; July 31.
- Refrigerators, Fastener for. K. G. Anderson. 1,656,159; Jan. 17.
- Refrigerators, Flue construction for. W. H. Whittier and H. C. Leonard. 1,672,836; June 5.
- Refrigerators, Forestalling leakage in concrete. E. R. Oden. 1,693,094; Nov. 27.
- Refuse and garbage, Method of and apparatus for disposing of. W. M. Duncan. 1,659,564; Feb. 21.
- Refuse can, Sanitary. M. Pfeffer. 1,677,048; July 10.
- Refuse collector. R. E. Wenzel and J. T. Griffith. 1,661,983; Mar. 6.
- Refuse for incineration, Apparatus for preparing. G. M. Wells. 1,689,002; Oct. 23.
- Refuse holder. A. Chenel. 1,659,722; Feb. 21.
- Refuse receiving and handling apparatus. S. E. Finch. 1,688,271; Oct. 16.
- Regenerative furnace. H. Bangert and G. Hühn. 1,691,913; Nov. 20.
- Regenerative furnace. D. B. Jones and F. C. Swartz. 1,667,319; Apr. 24.
- Regenerative furnace. W. Millward. 1,695,199; Dec. 11.
- Regenerative furnace, Reversible. J. S. Atkinson. 1,675,583; July 3.
- Register: See—
- | | |
|--|---------------------------|
| Air register. | Furnace register. |
| Autographic register. | Game skill register. |
| Automatic register. | Golf register. |
| Call register. | Hot-air register. |
| Cash register. | Liquid register. |
| Cash-fare register. | Moulding register. |
| Fare register. | Vacuum-operated register. |
| Register. P. Ericksson. 1,673,905; June 19. | |
| Register. J. W. Kelch and J. J. Sunday. 1,666,569; Apr. 17. | |
| Register. J. V. Petrelli. 1,696,252; Dec. 25. | |
| Register. J. S. Winer. 1,691,835; Nov. 13. | |
| Register actuator, Expense. P. H. Henderson. 1,657,828; Jan. 31. | |

- Register and cut-off for air-heating systems, Heat. H. C. Helms. 1,691,285; Nov. 13.
- Register and ventilator. S. Hart. 1,675,854; July 3.
- Register construction for heating plants. E. A. Grapp. 1,690,368; Nov. 6.
- Register for telephone systems, Call. H. M. Friendly. 1,694,169; Dec. 4.
- Register locking and resetting device, Postage-meter. A. H. Pitney. 1,658,572; Feb. 7.
- Register mechanism. W. W. Crow. 1,691,961; Nov. 20.
- Register sheet for printing presses and the like. C. Lingner. 1,684,324; Sept. 11.
- Register shield, Hot-air. E. M. Everhard. 1,668,712; May 8.
- Register wheel. C. H. H. Rodanet. 1,695,663; Dec. 18.
- Registering apparatus. C. W. Martin. 1,693,763; Dec. 4.
- Registering cylindrical forms, Method of and apparatus for. A. K. Taylor. 1,690,143; Nov. 6.
- Registering device, Double-prism. F. E. Garbutt, and R. G. Fear. 1,680,534; Aug. 14.
- Registering device, Electrical. W. Siebers. 1,695,668; Dec. 18.
- Registering mechanism. C. W. Kettelman. 1,667,121; Apr. 24.
- Registering mechanism for postage meters, etc. A. H. Pitney. 1,637,316; Jan. 24.
- Registering paper webs. L. Jensen. 1,693,035; Nov. 27.
- Registers. Selector mechanism for. G. F. Rooke. 1,655,651; Jan. 10.
- Registers, Supply pad for autographic. C. L. Johnston. 1,658,128; Feb. 7.
- Regulating alternating current. C. E. Stryker. 1,686,939; Oct. 9.
- Regulating apparatus. E. F. W. Alexanderson. 1,655,041; Jan. 3.
- Regulating apparatus. W. M. Hepburn. 1,690,819; Nov. 6.
- Regulating apparatus. G. W. Kuntney and C. W. Bristol. 1,675,359; July 3.
- Regulating apparatus. D. V. Mazzocco. 1,690,829; Nov. 6.
- Regulating apparatus. D. C. Prince. 1,672,777; June 5.
- Regulating apparatus. E. J. Serpas. 1,677,992; July 24.
- Regulating apparatus for operating from a distance devices for releasing projectiles from aircraft. R. Alkan and G. Lesourd. 1,675,835; July 3.
- Regulating combustion. E. Roučka. 1,695,470; Dec. 18.
- Regulating device. C. A. Boners. 1,655,384; Jan. 3.
- Regulating device for gas and air mixing plants, gas-delivery plants and the like. F. Wolff. 1,675,966; July 3.
- Regulating devices, Weight. J. S. Abercrombie. 1,686,945; Oct. 9.
- Regulating mechanism for full-fashioned-knitting machines, Universal loop. C. F. Meyer. 1,694,888; Dec. 11.
- Regulating system. E. F. W. Alexanderson. 1,655,035; Jan. 3.
- Regulating system. F. A. Byles. 1,683,161; Sept. 4.
- Regulating system. R. M. Carothers. 1,672,674; June 5.
- Regulating system. E. Courtin. 1,680,728; Aug. 14.
- Regulating system. J. R. Craighead. 1,681,519; Aug. 21.
- Regulating system. P. W. Forsberg. 1,694,253; Dec. 4.
- Regulating system. M. Herklotz. 1,665,852; Apr. 10.
- Regulating system. E. C. Manderfeld. 1,662,071; Mar. 13.
- Regulating system. G. R. McDonald. 1,661,841; Mar. 6.
- Regulating system. G. R. McDonald. 1,693,306-7; Nov. 27.
- Regulating system. H. M. Stoller. 1,662,085; Mar. 13.
- Regulating system for thermionic devices. W. K. Kearsley. 1,683,194; Sept. 4.
- Regulating temperature. J. L. Shroyer. 1,685,647; Sept. 25.
- Regulating the admixture of a solution to running water, Apparatus for. I. Rosenberg. 1,664,046; Mar. 27.
- Regulation by proportionate pressure and apparatus therefor. C. H. Smoot. 1,685,787; Oct. 2.
- Regulation system. L. N. Crichton. 1,669,505; May 15.
- Regulation system. C. L. Fortescue. 1,669,609; May 15.
- Regulator. *See*—
- Air-pressure regulator.
 - Antenna regulator.
 - Arc regulator.
 - Balance regulator.
 - Brake-rigging regulator.
 - Compressor regulator.
 - Concrete-strength regulator.
 - Cotton regulator.
 - Current regulator.
 - Damper regulator.
 - Draft regulator.
 - Electric regulator.
 - Engine regulator.
 - Feed regulator.
 - Feed-water regulator.
 - Flow regulator.
 - Fluid regulator.
 - Fluid-pressure regulator.
 - Frequency regulator.
 - Fuel regulator.
 - Gas regulator.
 - Headlight regulator.
 - Heat regulator.
 - Induction regulator.
 - Motor regulator.
 - Multipressure regulator.
 - Oven-heat regulator.
 - Power regulator.
 - Pressure regulator.
 - Sash regulator.
 - Speed regulator.
 - Temperature regulator.
 - Tension regulator.
 - Thermal regulator.
 - Thermostatic regulator.
 - Traffic regulator.
 - Vehicle spring regulator.
 - Vibrating regulator.
 - Voltage regulator.
 - Water-wheel regulator.
 - Wheel regulator.
 - Windmill regulator.
 - Window regulator.
 - Windshield regulator.
- Regulator. R. Carlstedt. 1,655,219; Jan. 3.
- Regulator. J. Harris. 1,659,263; Feb. 14.
- Regulator. A. W. Hull. 1,655,389; Jan. 3.
- Regulator. A. H. Mittag. 1,654,987; Jan. 3.
- Regulator. R. M. Petersime. 1,680,803; Aug. 14.
- Regulator. B. S. and L. Slagboom. 1,672,786; June 5.
- Regulator. C. H. Smoot. 1,658,577; Feb. 7.
- Regulator. C. H. Smoot. 1,680,750; Aug. 14.
- Regulator. L. W. Thompson. 1,654,948; Jan. 3.
- Regulator and coupler, Fluid-flow. O. M. Kirlin. 1,668,681; May 8.
- Regulator and temperature indicator, Combined. H. Praud. 1,671,934; May 29.
- Regulator for boilers, Automatic draft. L. W. Eggleston. 1,695,241-3; Dec. 11.
- Regulator for boilers, Automatic draft. A. M. Mertzanoff. 1,695,240; Dec. 11.
- Regulator for warm-air furnaces, Direct-draft. R. M. Judd, E. C. Taylor, and R. S. McNaney. 1,682,527; Aug. 28.
- Regulator system. J. H. Ashbaugh. 1,662,559; Mar. 13.
- Regulator system. J. H. Ashbaugh. 1,687,855; Oct. 16.
- Regulator system. C. A. Boddie. 1,657,492; Jan. 31.
- Regulator system. E. C. Cordes. 1,658,972; Feb. 14.
- Regulator system. R. D. Evans. 1,665,917; Apr. 10.
- Regulator system. W. E. Menzies. 1,657,513; Jan. 31.
- Regulator system. W. E. Menzies. 1,673,868; July 31.
- Regulator system. H. W. Rogers and E. H. Horstkotte. 1,655,663; Jan. 10.
- Regulator system. S. A. Staeger. 1,665,939; Apr. 10.
- Regulator system. F. Schiller. 1,685,960; Oct. 2.
- Regulator system. S. A. Staeger. 1,680,396; Aug. 14.
- Regulator system. S. A. Staeger. 1,687,640; Oct. 16.
- Regulator system employing electron-discharge devices. H. M. Stroller and E. R. Morton. 1,663,891; Mar. 27.
- Regulators, Manufacture of window. H. B. Haskins. 1,696,353; Dec. 25.
- Rein guide. W. I. Ballentine and P. R. Thompson. 1,671,396; May 29.
- Relasting machine. A. F. Pym. 1,678,164; July 24.
- Relasting machine. J. H. Richardson and A. E. Hudson. 1,689,600; Oct. 30.
- Relay. D. C. Bettison. 1,679,761; Aug. 7.
- Relay. T. S. Casner. 1,661,166; Mar. 6.
- Relay. C. G. Harwig. 1,682,510; Aug. 28.
- Relay. J. C. Lindner. 1,676,340; July 10.
- Relay. P. MacGahan. 1,687,624; Oct. 16.
- Relay. H. P. Sleeper. 1,677,302; July 17.
- Relay. O. C. Travel. 1,680,708; Aug. 14.
- Relay. R. J. Wensley. 1,660,900; Feb. 28.
- Relay, Accelerating. N. K. Andersen. 1,685,931; Oct. 2.
- Relay, Alternating-current. L. H. Peter. 1,683,696; Sept. 11.
- Relay, Alternating-current. E. O. Thompson. 1,691,091; Nov. 13.
- Relay, Alternating-current. E. O. Thompson. 1,692,961; Nov. 27.
- Relay and circuits therefor. J. Herman. 1,662,060; Mar. 13.
- Relay and relaying system. J. W. Milnor. 1,673,697; June 12.
- Relay, Circuit-breaking. N. R. Haas. 1,673,819; June 19.
- Relay, Circuit-interrupter. L. N. Crichton. 1,673,553; June 12.
- Relay device, Electromagnetic. A. E. Hudd. 1,689,946; Oct. 30.
- Relay, Electrical. R. M. Gilson. 1,682,749; Sept. 4.
- Relay, Electrical. H. O. Holte. 1,660,197; Feb. 21.
- Relay, Electrical. C. S. Snavely. 1,658,578; Feb. 7.
- Relay, Electrical. C. S. Snavely and W. B. Wells. 1,676,466; July 10.
- Relay, Electrical protective. L. N. Crichton. 1,686,653; Oct. 9.
- Relay, Electromagnetic. J. Erickson. 1,681,473; Aug. 21.
- Relay, Electromagnetic. G. A. E. Lundell. 1,685,953; Oct. 2.
- Relay, Electromagnetic. H. C. Pye. 1,673,884; June 19.
- Relay, Engine. R. C. Leake. 1,696,170; Dec. 18.
- Relay for induction regulators, Primary. E. Lehr. 1,686,015; Oct. 2.
- Relay for series releases, Protective. W. H. Petersén. 1,655,237; Jan. 3.
- Relay, Induction. S. L. Goldsborough. 1,677,336; July 17.
- Relay, Magnetic thermal. H. E. White. 1,675,680; July 3.
- Relay operation indicator. H. P. Sleeper. 1,664,826; Mar. 27.
- Relay, Protective. W. R. G. Baker. 1,669,154; May 8.
- Relay, Resettable. B. E. Getchell. 1,681,851; Aug. 21.
- Relay, Rotary. C. F. Jenkins. 1,662,677; Mar. 13.
- Relay, Selective overload trip. F. B. Kniskern. 1,658,926; Feb. 14.
- Relay system. W. O. Edmonds. 1,675,336; July 3.
- Relay system. A. J. A. Peterson. 1,693,402; Nov. 27.
- Relay system. H. P. Sleeper. 1,680,395; Aug. 14.
- Relay, Thermal. C. Aalborg. 1,678,841; July 31.
- Relay, Thermal. H. D. Hine. 1,669,520; May 15.
- Relay, Thermal. H. D. Matthews. 1,655,967; Jan. 10.
- Relay, Thermal. F. H. Miller. 1,675,370; July 3.
- Relay, Thermal. A. J. Mottlau. 1,680,429; Aug. 14.
- Relay, Thermal. A. J. Mottlau. 1,682,401; Aug. 28.
- Relay, Thermal. H. E. White. 1,675,396; July 3.
- Relay, Three-position. T. E. Clark. 1,655,220; Jan. 3.
- Relay-tripping system. L. N. Crichton, and L. R. Golladay. 1,680,410; Aug. 14.
- Relaying arrangement. S. P. Shackleton and A. A. Hansen. 1,692,907; Nov. 27.
- Releasable spider. J. Grant. Re16,891; Feb. 28.

- Release for the automatic brakes of winding drums. R. H. Beaumont. 1,674,586; June 19.
- Releasing device, Adjustable. O. E. Wiltsie. 1,677,009; July 10.
- Releasing hook. A. W. Lyda. 1,675,896; July 3.
- Relieving attachment. J. W. Durkee. 1,664,741; Apr. 3.
- Relining brake, Quick-. L. Harvey. 1,680,611; Aug. 14.
- Reloading clip. E. L. Nelson. 1,655,624; Jan. 10.
- Reloading mechanism. Web-roll. F. Lamatsch. 1,677,561; July 17.
- Remedies from glandular organs, Producing. G. Schröder. 1,695,612; Dec. 18.
- Remedy from dihydroxy-diamino-arseno-benzene-mono-methylene sulphonic acid. Manufacturing a new syphilis. T. Iwadare. 1,665,787; Apr. 10.
- Remedy, Pile. W. F. Brackett. 1,674,353; June 19.
- Reminder. F. Allegrezza. 1,679,193; July 31.
- Removing caps from paper cores. Device for. M. J. Malloy and E. A. Buck. 1,692,274; Nov. 20.
- Removing car brasses. M. B. Bulla. 1,686,729; Oct. 9.
- Removing grain doors. Apparatus for. A. Westling. 1,690,262; Nov. 6.
- Removing large-sized particles and aggregates from certain finely-divided powders and the like. Apparatus for. G. Gallie and B. D. Porritt. 1,688,307; Oct. 16.
- Removing loose particles from the interior of cans. Apparatus for. E. E. Taylor. 1,689,757; Oct. 30.
- Removing sheets from a pile. Apparatus for. G. Spiess. 1,696,215; Dec. 25.
- Removing static. C. W. Woodruff. 1,686,998; Oct. 9.
- Rendering apparatus. M. V. Lovett. 1,686,017; Oct. 2.
- Rendering apparatus. R. McTavish. 1,695,254; Dec. 11.
- Renovating machine. Hat-. L. Flicker. 1,695,646; Dec. 18.
- Renovator. Necktie. J. H. Jackson. 1,675,757; July 3.
- Repair device for auto skid chains. F. G. Fahrbach. 1,678,003; July 24.
- Repair link. Chain-grate stoker-. J. P. Polster. 1,670,983; May 22.
- Repair part for footwear. W. A. Owen. 1,682,707; Aug. 28.
- Repair stand for engines, transmissions, and the like. E. O. Adkins. 1,690,660; Nov. 6.
- Repairing pipe. T. De La Mare. 1,662,852; Mar. 20.
- Repairman's creeper. C. M. Mohler. 1,659,829; Feb. 21.
- Repeater. B. W. Kendall. 1,696,241; Dec. 25.
- Repeater. P. J. Walsh. 1,672,104; June 5.
- Repeater system. H. A. Affel. 1,662,876; Mar. 20.
- Repeater, Two-way. J. S. Jammer and C. W. Green. 1,658,338; Feb. 7.
- Replenishing weft in power looms. Mechanism for automatically. H. Arima. 1,695,630; Dec. 18.
- Report board. E. R. Spiegel. 1,665,568; Apr. 10.
- Reporting device, Football-game-. N. E. Holland, C. C. Harrison, and O. A. Bierbrauer. 1,679,160; July 31.
- Reproducer. H. H. Ide. 1,657,124; Jan. 24.
- Reproducer. H. M. Larson. 1,684,133; Sept. 11.
- Reproducer and transmitter. Combined mechanical and electrical. A. Hewitt. 1,672,063; June 5.
- Reproducer, Electromagnetic sound. F. A. Kolster and S. A. Sollie. Re17,086; Sept. 18.
- Reproducer, Sound. T. Graham. 1,675,343; July 3.
- Reproducing devices. Attachment for. T. N. Hansen. 1,661,286; Mar. 6.
- Reproducing position. E. M. Hewlett and W. W. Willard. 1,684,132; Sept. 11.
- Reproducing position. A. H. Mittag. 1,684,137; Sept. 11.
- Reproducing position. E. J. Murphy. 1,693,314; Nov. 27.
- Reproducing position. E. J. Murphy and L. P. Hutt. 1,694,277; Dec. 4.
- Reproducing position. S. P. Nixdorff. 1,684,138; Sept. 11.
- Rerolling block. R. W. Bryant. 1,681,281; Aug. 21.
- Reroll device. G. A. Collins. 1,689,862; Oct. 30.
- Reservoir comb. F. H. Newton. 1,693,248; Nov. 27.
- Reservoir, Dispensing. E. Crouse. 1,667,245; Apr. 24.
- Reset mechanism. J. Berge. 1,670,835; May 22.
- Resetting mechanism. E. Kassner. 1,679,905; Aug. 7.
- Reshaping annealing boxes. Apparatus for. C. V. Dodge. 1,695,142; Dec. 11.
- Resilient coupling. R. C. Wilson. 1,668,134; May 1.
- Resilient wheel. J. Allen. 1,695,629; Dec. 18.
- Resilient wheel. H. C. Baquie. 1,673,547; June 12.
- Resilient wheel. B. Cavacchioli. 1,656,141; Jan. 10.
- Resilient wheel. J. H. Fletcher. 1,682,899; Sept. 4.
- Resilient wheel. H. C. Gibson. 1,684,219; Sept. 11.
- Resilient wheel. H. M. Patch. 1,660,522; Feb. 28.
- Resilient wheel. H. M. Patch. 1,684,596; Sept. 18.
- Resilient wheel. J. L. Philips. 1,657,278; Jan. 24.
- Resilient wheel. G. J. Philippi. 1,659,156; Feb. 14.
- Resilient wheel. A. E. Stenberg. 1,692,001; Nov. 20.
- Resilient wheel. O. Waddell. 1,661,643; Mar. 6.
- Resilient wheel. J. Warner. 1,692,011; Nov. 20.
- Resin and making same. Soluble and fusible white acetone. C. Ellis. 1,683,535; Sept. 4.
- Resin and making same. Synthetic. G. E. Landt. 1,679,312; July 31.
- Resin and making same. Synthetic. J. McIntosh. 1,679,322; July 31.
- Resin and making the same. Artificial. F. Seebach. 1,683,701; Sept. 11.
- Resin and making the same. Synthetic. A. Blumfeldt and H. Kaegi. 1,654,856; Jan. 3.
- Resin and producing the same. Synthetic. L. T. Richardson. 1,682,934; Sept. 4.
- Resin by polymerization, Producing. W. R. Gerges. 1,679,214; July 31.
- Resin composition. Phenolic. V. H. Turkington. 1,695,566; Dec. 18.
- Resin in differently-colored layers. Manufacturing blocks of artificial. M. Hilfreich. 1,668,590; May 8.
- Resin, Producing artificial. C. Kulas. 1,669,331; May 15.
- Resin, Synthetic. C. E. Burke and H. H. Hopkins. 1,667,189; Apr. 24.
- Resins and preparing same. Phthalic anhydride-glycerol. J. H. Schmidt. 1,663,183; Mar. 20.
- Resins and preparing the same. R. Beutner. 1,658,281; Feb. 7.
- Resins. Apparatus for distilling crude. G. H. Dupont. 1,659,727; Feb. 21.
- Resins. Furfuralcohol. J. P. Trickey and C. S. Miner. 1,665,235; Apr. 10.
- Resins. Making furfural. J. P. Trickey and C. S. Miner. 1,665,233-4; Apr. 10.
- Resinous bodies produced from formaldehyde and colophony and producing same. A. Amann. 1,658,828; Feb. 14.
- Resinous by-products in the manufacture of wood pulp. Recovering. E. H. French. 1,693,586; Nov. 27.
- Resinous composition and making same. V. H. Turkington. 1,677,417; July 17.
- Resinous composition containing sulphur and making same. C. Ellis. 1,690,160; Nov. 6.
- Resinous composition of matter and making same. A. E. Maze. 1,683,835; Sept. 11.
- Resinous exudations by the use of a heterocyclic compound. Hardening of. E. A. Daniels and H. S. Snell. 1,673,807; June 19.
- Resinous exudations with a guanidine. Hardening. E. A. Daniels and H. S. Snell. 1,673,803; June 19.
- Resinous exudations with aminonaphthalene. Hardening. E. A. Daniels and H. S. Snell. 1,673,805; June 19.
- Resinous exudations with an aldehyde. Hardening. E. A. Daniels and H. S. Snell. 1,673,804; June 19.
- Resinous exudations with an aromatic secondary amine. Hardening. E. A. Daniels and H. S. Snell. 1,673,806; June 19.
- Resinous exudations with an organic compound. Hardening. E. A. Daniels and H. S. Snell. 1,673,808; June 19.
- Resinous material and making same. C. Ellis. 1,691,271; Nov. 13.
- Resinous material and making same. P. Knapp. 1,696,490; Dec. 25.
- Resinous reaction product of urea and formaldehyde. F. Lauter. 1,671,596; May 29.
- Resinous substance and making same. Compound. J. P. Trickey and C. S. Miner. 1,665,237; Apr. 10.
- Resins. Production of. I. H. Jones. 1,684,868; Sept. 18.
- Resins. Purifying phenol formaldehyde. F. Seebach. 1,683,702; Sept. 11.
- Resins. Purifying phenolaldehyde. F. Seebach. 1,681,368-9; Aug. 21.
- Resins. Recovery of insoluble urea formaldehyde. A. Gams and G. Widmer. 1,679,246; July 31.
- Resistance. Adjustable. A. A. Kent. 1,668,117; May 1.
- Resistance coll. N. Ashbridge. 1,666,066; Apr. 17.
- Resistance-control device. H. J. Wiegand. 1,678,892; July 31.
- Resistance device and making same. C. E. Vawter. 1,683,060; Sept. 4.
- Resistance device. Controllable. H. J. Wiegand and H. N. Packard. 1,680,189; Aug. 7.
- Resistance device. Lateral-. C. W. Todd. 1,689,261; Oct. 30.
- Resistance device. Variable-. C. E. Burgener and R. M. Harmon. 1,658,666; Feb. 7.
- Resistance devices. Making. V. K. Zworykin. 1,682,457; Aug. 28.
- Resistance element. R. F. Bucholz. 1,656,901; Jan. 24.
- Resistance for electrically-heated boilers. Electric. W. Penzold. 1,683,050; Sept. 4.
- Resistance. Grid-leak. W. Dubilier. 1,683,067; Sept. 4.
- Resistance material. T. A. F. Holmgren. 1,658,334; Feb. 7.
- Resistance of spun goods from artificial-silk waste. Increasing and improving the. J. A. Grand. 1,660,123; Feb. 21.
- Resistance switch. O. Lundberg. 1,694,330; Dec. 4.
- Resistance switch. Variable. J. L. Arthur. 1,683,280; Sept. 4.
- Resistance unit. C. Dantsizen. 1,696,596; Dec. 25.
- Resistance unit. F. S. Kochendorfer and T. A. Gill. 1,677,240; July 17.
- Resistance unit. E. R. Stockle. 1,693,825; Dec. 4.
- Resistance unit. G. H. Whittingham. 1,662,771; Mar. 13.
- Resistance unit. Adjustable. C. E. Stryker. 1,659,059; Feb. 14.
- Resistance unit and rheostat. H. G. Richter. 1,676,869; July 10.
- Resistance. Variable. W. L. Burnam. 1,660,251; Feb. 21.
- Resistor. H. R. Van Deventer. 1,683,059; Sept. 4.
- Resistor and fuse. Combined. H. P. Hollnagel. 1,696,605; Dec. 25.
- Resistor and making the same. G. M. Little. 1,687,677; Oct. 16.
- Resistor and support therefor. D. L. Summey. 1,671,794; May 29.
- Resistor for electric furnaces. Zoned. F. T. Cope. 1,670,846; May 22.

- Resistor for shunted condensers. R. E. Marbury. 1,686,022; Oct. 2.
- Resistor support. J. Schnepf. 1,686,037; Oct. 2.
- Resizer, Piston. W. C. Walker. 1,675,238; June 26.
- Resolving emulsions of tar or oil. H. W. Robinson and D. W. Parkes. 1,687,314; Oct. 9.
- Resonator. E. P. Cole. 1,696,524; Dec. 25.
- Resorcinol, Iso-butyryl. A. R. L. Dohme. 1,677,117; July 10.
- Respirator. C. L. Burdick. 1,695,170; Dec. 11.
- Respirator. E. J. King. 1,674,336; June 19.
- Respirator. W. H. Wood. 1,686,592; Oct. 9.
- Rest, Arm. W. E. and D. J. Roach. 1,691,613; Nov. 13.
- Rest attachment for saxophones. F. L. Gesford. 1,691,515; Nov. 13.
- Restraining device for lens-grinding machines. C. A. Adams. 1,694,728; Dec. 11.
- Resurfacing machine. W. C. Meyer. 1,685,784; Oct. 2.
- Resurfacing solid tires, Method and apparatus for. H. D. Stevens. 1,687,465; Oct. 9.
- Resurfacing worn or pitted surfaces, Method and apparatus for. A. O. Van Derwort. 1,688,212; Oct. 16.
- Retainer, Draft-key. G. F. Couch. 1,686,733; Oct. 9.
- Retainer for dough-mixing machines and the like, Packing. F. Notz and G. Royan. 1,678,194; July 24.
- Retainer for rock drills, Steel. L. L. Richardson. 1,694,106; Dec. 4.
- Retaining clip. F. D. Elliott. 1,680,601; Aug. 14.
- Retaining device. R. F. Krejci. 1,664,890; Apr. 3.
- Retaining margins to artificial dentures, Method of and apparatus for attaching flexible. F. W. Barbour. 1,669,732; May 15.
- Retarding device. B. L. Baker. 1,660,027; Feb. 21.
- Retarding device for tube frames, Spool. C. Lea. 1,694,881; Dec. 11.
- Retarding device, Oscillation. J. G. Frayne and F. D. Moran. 1,686,909; Oct. 9.
- Retarding mechanism. L. E. La Brie. 1,669,985; May 15.
- Retarding wagons, tubs, and the like, Apparatus for. B. Norton. 1,690,695; Nov. 6.
- Rethreader for screens. H. Dixon. 1,685,522; Sept. 25.
- Retort. F. L. Hoyt. 1,663,912; Mar. 27.
- Retort. E. P. Van Stone. 1,689,808; Oct. 30.
- Retort, Built-up vertical zinc. F. G. Breyer, and E. H. Bunce. 1,680,726; Aug. 14.
- Retort, Canning heating. O. S. Hagen and N. S. Coins. 1,670,619; May 22.
- Retort-cover clamp. D. W. Dudderar. 1,664,972; Apr. 3.
- Retort for carbonizing bituminous fuel. J. Plassmann. 1,671,448; May 29.
- Retort for the distillation of coal and similar carbonaceous substances. C. H. Parker. 1,687,989; Oct. 16.
- Rheostat. J. F. Martin. 1,687,623; Oct. 16.
- Retort for the distillation of oil shales. L. T. Fairhall. 1,656,107; Jan. 10.
- Retort furnace. C. V. McIntire. 1,681,946; Aug. 28.
- Return bend. J. P. Fisher. 1,681,933; Aug. 28.
- Retrospective effects in audio amplifier circuits, Preventing. G. A. Somersalo. 1,656,839; Jan. 17.
- Retrograde movement, Device for preventing. J. L. Gouard. 1,680,148; Aug. 7.
- Reverse brake. M. A. Mikesh. 1,691,907; Nov. 13.
- Reverse drive. T. S. Ewart. 1,670,144; May 15.
- Reversing furnace, Regenerative. J. Kennedy. 1,657,401; Jan. 24.
- Reversing mechanism. C. M. F. Friden. 1,682,901; Sept. 4.
- Reversing mechanism. C. O. Guernsey. 1,664,209; Mar. 27.
- Reversing mechanism. H. A. Tuttle. 1,694,294-5; Dec. 4.
- Reversing mechanism, Automatic. A. L. Hunt and J. L. Naujock. 1,661,756; Mar. 6.
- Reversing switch. W. R. McCathran. 1,654,986; Jan. 3.
- Reversing switch, Pneumatic. L. G. Riley. 1,680,393; Aug. 14.
- Revetment. A. W. Farney. 1,656,476; Jan. 17.
- Revetment mat. A. Johnson. 1,691,848; Nov. 13.
- Revolving furnace. J. H. Holt. 1,685,745; Sept. 25.
- Revivifying of spent decolorizing materials. O. L. Barnebey. 1,677,947; July 24.
- Revoluble cutter. J. Coibion. 1,661,789; Mar. 6.
- Revolvers, Attachment for. A. M. Villalpando. 1,695,071; Dec. 11.
- Revolving-hook machine. M. Hemle. 1,664,032; Mar. 27.
- Revolving table. W. Owens. 1,669,671; May 15.
- Rewinder, Collapsible. W. C. Fellows. 1,670,886; May 22.
- Rheostat. R. W. Augustine. 1,668,187; May 1.
- Rheostat. A. C. Brady. 1,691,916; Nov. 20.
- Rheostat. H. D. Brown. 1,682,113; Aug. 28.
- Rheostat. P. Crosley, jr. 1,673,443; June 12.
- Rheostat. J. B. Edwards. 1,668,764; May 8.
- Rheostat. C. Horton. 1,672,414; June 5.
- Rheostat. H. J. Kasch. 1,671,954; May 29.
- Rheostat. A. F. C. Lotz. 1,680,744; Aug. 14.
- Rheostat. D. E. Moore. 1,660,879; Feb. 28.
- Rheostat. T. B. Moorer. 1,685,714; Sept. 25.
- Rheostat. L. P. Neal. 1,679,539; Aug. 7.
- Rheostat. W. E. Newman. 1,677,288; July 17.
- Rheostat. G. R. Plovich. 1,670,004; May 15.
- Rheostat. T. Rhodus. 1,676,050; July 3.
- Rheostat. C. E. Warner. 1,693,009; Nov. 27.
- Rheostat. G. H. Whittingham. 1,687,357; Oct. 9.
- Rheostat-arm mount. H. E. Adams and H. L. Decker. 1,669,687; May 15.
- Rheostat, Compression. A. M. Levy. 1,658,787; Feb. 7.
- Rheostat construction. D. Wald. 1,685,579; Sept. 25.
- Rheostat, Electrolytic. E. L. Holmes. 1,663,552; Mar. 27.
- Rheostat, Float-operated. L. R. Titcomb. 1,681,268; Aug. 21.
- Rheostat, Light-dimmer. E. H. Hansen. 1,660,161; Feb. 21.
- Rheostat, Vernier. C. H. Thordarson. 1,658,866; Feb. 14.
- Ribbon-control device for time recorders, Multicolored. C. E. Larrabee. 1,684,400; Sept. 18.
- Rice, Extracting, separating, and utilizing the starch and protein contents of. O. Jaschke. 1,681,118; Aug. 14.
- Riddle. H. Prell. 1,676,285; July 10.
- Ridge smoother. M. L. Rickard. 1,657,518; Jan. 31.
- Ridger. W. L. Paul. 1,663,813; Mar. 27.
- Rifle and bullet. A. A. Cowan. 1,659,625; Feb. 21.
- Rifle and shotgun barrel, Interchangeable. L. R. Krenek. 1,661,949; Mar. 6.
- Rifle, Gallery. E. C. Fey. 1,668,675; May 8.
- Rifle, Magazine. P. R. Kramer. 1,672,534; June 5.
- Rifles, Safety mechanism for bolt-action. A. P. Curtis. 1,673,666; June 12.
- Rigging, Choker-hook. O. A. Wirkkala. 1,675,778; July 3.
- Rigging, Draft. D. S. Barrows. 1,680,657; Aug. 14.
- Rigging, Draft. P. R. Drenning. 1,676,178; July 3.
- Rigging for concrete railway cars, Draft. A. C. Griewank. 1,662,110; Mar. 13.
- Rigging plate, Three-way. W. C. Dumm. 1,655,536; Jan. 10.
- Rim and fastening same, Demountable. J. H. Wagenhorst. 1,686,301; Oct. 2.
- Rim attachment, Extension-. N. H. Saunders. 1,688,989; Oct. 23.
- Rim breaker. W. J. Farmer. 1,660,747; Feb. 28.
- Rim clamp, Tire-. J. E. Smith and J. J. Herlbauer. 1,675,869; July 3.
- Rim-contracting device. W. H. Welch. Re17,167; Dec. 18.
- Rim contractor. L. Hagner, jr. 1,694,741; Dec. 11.
- Rim contractor, spare-tire lock, and carrier, Combined portable. H. L. Swan. 1,672,918; June 12.
- Rim, Demountable. C. Esmarian. 1,655,991; Jan. 10.
- Rim, Demountable. P. M. Miller. 1,654,744; Jan. 3.
- Rim, Demountable. J. L. Murphy. 1,674,788; June 26.
- Rim, Demountable. D. J. Raymond. 1,674,701; June 26.
- Rim, Demountable tire-carrying. P. M. Miller. 1,675,371; July 3.
- Rim, Divided. E. and W. Zipper. 1,689,273; Oct. 30.
- Rim expander. J. L. Gendron. 1,670,404; May 22.
- Rim expander. J. Halbrooks. 1,670,961; May 22.
- Rim for automobiles, trucks, and the like, Traction. R. Ludowici. 1,688,051; Oct. 16.
- Rim for pneumatic tires. A. J. Michelin. 1,693,909; Dec. 4.
- Rim-frame construction. D. S. Stiles. 1,677,500; July 17.
- Rim lock. C. G. Bloom. 1,678,550; July 24.
- Rim lock. P. R. Bundy. 1,676,684; July 10.
- Rim lock. E. Patzer. 1,660,809; Feb. 28.
- Rim remover. J. B. Law. 1,675,938; July 3.
- Rim-removing device. J. C. Berry and D. S. Fleming. 1,672,388; June 12.
- Rim-removing device. F. W. Briggs. 1,686,068; Oct. 2.
- Rim spreader. P. J. McCrink. 1,666,142; Apr. 17.
- Rim structure, Demountable. F. R. Klaus. 1,688,146; Oct. 16.
- Rim, Vehicle tire. J. Smith, jr. 1,689,898; Oct. 30.
- Rim, Vehicle wheel. W. A. Jones. 1,690,981; Nov. 6.
- Rim, Vehicle wheel. W. R. Robinson. 1,696,015; Dec. 18.
- Rim with valve-stem fastener. J. H. Wagenhorst. 1,689,649; Oct. 30.
- Rims, Apparatus for stretching and shaping. H. J. Stead. 1,674,575; June 19.
- Rims for bull wheels, Making metallic. C. B. Pritchard. 1,694,689; Dec. 11.
- Rims, Making. E. A. Nelson. 1,691,491; Nov. 13.
- Rims, Securing means for demountable. P. A. White. 1,686,778; Oct. 9.
- Ring—
Collector ring. Locomotive mud ring.
Compact-plate-holding ring. Molding ring.
Curtain ring. Oil-retaining and dust-excluding ring.
Finger ring. Packing ring.
Fire-box foundation ring. Piston ring.
Globe-mounting ring. Seal ring.
Hog ring.
Lighting ring.
- Ring. E. Ciner. Des. 77,219; Dec. 18.
- Ring. M. H. Herzog. 1,687,020; Oct. 9.
- Ring. M. Klass and S. Stern. Des. 74,512; Feb. 21.
- Ring. C. H. Lee. Des. 76,691; Oct. 23.
- Ring. A. Sager. Des. 76,055; Aug. 14.
- Ring. A. Sager. Des. 77,032; Nov. 27.
- Ring. A. Sammartino. 1,667,680; Apr. 24.
- Ring. L. G. Stewart. Des. 76,209; Aug. 28.
- Ring. H. Zindel. 1,656,807; Jan. 17.
- Ring and identification tag, Key. R. H. Thayer. 1,668,833; May 8.
- Ring and the like, Hog. W. V. and J. B. Curtis. 1,678,558; July 24.
- Ring cone-shaped diaphragm device. E. H. Foley and P. J. Gunn. 1,682,611; Aug. 28.
- Ring for a shoe heel or similar article. V. de Pascal. Des. 77,226; Dec. 18.

- Ring joint. W. L. Evans. 1,672,562; June 5.
 Ring member and making same. C. Steenstrup. 1,688,762; Oct. 23.
 Ring mill. J. Molz. 1,693,247; Nov. 27.
 Ring mounting. H. A. Goeken. 1,657,354; Jan. 24.
 Ring or article of similar nature, Finger. B. Gross. Des. 74,926; Apr. 17.
 Ring or similar article. L. L. Jaffe. Des. 75,796-7; July 17.
 Ring or similar article of manufacture. J. J. White. Des. 74,904-9; Apr. 10.
 Ring-rolling machine. C. C. Venable. 1,661,024; Feb. 28.
 Ring setting. L. Bock. Des. 74,210; Jan. 10.
 Ring setting. G. A. Tomlinson. Des. 76,166; Aug. 21.
 Ring sight, Adjustable. W. G. McNeill and R. Kauch. 1,686,163; Oct. 2.
 Ring spinning and doubling frame. R. W. Edge. 1,664,066; Mar. 27.
 Ring splice for woven-wire fabrics. K. E. Peller. 1,673,527; June 12.
 Ring traveler and producing same. P. C. Wentworth. 1,663,289; Mar. 20.
 Ring-traveler support. G. H. Gilligan. 1,689,127-30; Oct. 23.
 Ring wheel, Segmental. T. Larsson. 1,677,866; July 17.
 Rings, Apparatus for the enlarging of. F. Blois. 1,662,631; Mar. 13.
 Rings, Making finger. A. Suderov. 1,695,067; Dec. 11.
 Ripping unit for metal cans. A. L. Combes and H. M. Keyser. 1,685,312; Sept. 25.
 Rivet catcher. S. Hilland. 1,671,112; May 29.
 Rivet-feeding mechanism. E. B. Stimpson. 1,667,397-400; Apr. 24.
 Rivet heater, Electric. J. E. Sederholm. 1,658,259; Feb. 7.
 Rivet holder. J. Tissler. 1,675,773; July 3.
 Rivet-spinning attachment. W. Stumpf. 1,689,460; Oct. 30.
 Riveter. R. S. Osborne. 1,660,720; Feb. 28.
 Riveter, Time-controlled. J. L. Vanclain, R. K. Wright, and H. F. Transue. 1,672,701; June 5.
 Riveting apparatus. R. S. Osborne. 1,661,194; Mar. 6.
 Riveting, Electric. F. P. Kobert. 1,691,522; Nov. 13.
 Rivets, Inserting tubular. F. Mayer. 1,692,182; Nov. 20.
 Rivets, Making hollow. L. M. Persons. 1,676,919; July 10.
 Roach trap, Electrical. S. D. Trumbo. 1,666,723; Apr. 17.
 Road. L. H. Callan. 1,693,807; Dec. 4.
 Roadbed and track construction, Railway. E. R. Edson. 1,694,811; Dec. 11.
 Road binder. M. F. Coughlin. 1,662,299; Mar. 13.
 Road-building machine. H. F. Thompson. 1,685,687; Sept. 25.
 Road composition and making same. S. S. Sadtler. 1,683,493; Sept. 4.
 Road drag and grader. R. S. Peabody and L. A. Dun-nuck. 1,657,897; Jan. 31.
 Road edgings, Method and apparatus for making. V. O. Johnston. 1,693,903; Dec. 4.
 Road-finishing machine. C. A. Gustafson. 1,676,548; July 10.
 Road form. J. N. Heltzel. 1,690,295; Nov. 6.
 Road-form connection. E. G. Carr. 1,676,477; July 10.
 Road gauge. R. L. Basich. 1,660,369; Feb. 28.
 Road grader. B. H. Mansker. 1,687,626; Oct. 16.
 Road-grading machine. E. S. McCandliss. 1,690,374; Nov. 6.
 Road impediment. T. O. McClure. 1,671,303; May 29.
 Road light. L. Edelmann. 1,680,139; Aug. 7.
 Road machine. C. C. Personett. 1,661,735; Mar. 6.
 Road machine, Concrete-. E. G. Carr. 1,677,877; July 17.
 Road machines, Shoulder-finishing attachment for. R. E. O'Connor. 1,673,298; June 12.
 Road-maintenance machine. C. A. Gustafson. 1,678,113; July 24.
 Road making. J. Radcliffe. 1,655,240; Jan. 3.
 Road making. S. S. Sadtler. 1,674,523; June 19.
 Road making and repairing machine. N. A. Watson. 1,655,980; Jan. 10.
 Road-making material. H. A. Battalhou. 1,663,824; Mar. 27.
 Road paver. R. L. Greist. 1,659,651; Feb. 21.
 Road reinforcement. W. D. Forsyth. 1,668,713; May 8.
 Road-resurfacing apparatus. R. E. Palmer. 1,670,937; May 22.
 Road roller. D. B. Cook and E. F. Cookinham. 1,672,375; June 5.
 Road scarifier. D. V. Ramazzotti. 1,665,277; Apr. 10.
 Road signal. N. E. McHenry. 1,666,862; Apr. 17.
 Road strip. L. G. Woods. 1,666,612-13; Apr. 17.
 Road-strip support. W. E. White. 1,688,906-7; Oct. 23.
 Road-subgrading machine. H. K. Lehmer. 1,664,634; Apr. 3.
 Road-surfacing material, Production of. F. W. Vallé-Jones. 1,688,511; Oct. 23.
 Road-working machine. E. A. Wheeler. 1,690,263; Nov. 6.
 Roads and the like, Constructing wearing surfaces of. S. E. Finley. 1,689,123; Oct. 23.
 Roads and the like, Forming. M. Levy. 1,681,353; Aug. 21.
 Roadway, Bituminous. J. W. Frazier. 1,672,408; June 5.
 Roadway, Reinforced-concrete. B. Briody. 1,685,562; Sept. 25.
 Roadway with traffic-control marking. B. Foster. 1,664,070; Mar. 27.
 Roadways, Constructing. S. E. Finley. 1,670,346; May 22.
 Roadways, sidewalks, and the like, Construction of sur-facings for. A. E. Schutte. 1,670,826; May 22.
 Roaster: See—
 Corn roaster, Pimento roaster.
 Electric roaster.
 Roaster. R. R. Heffner. 1,660,226; Feb. 21.
 Roaster. B. E. Miglin. 1,666,394; Apr. 17.
 Roaster and mixer, Combination. A. E. Fredrickson. 1,665,778; Apr. 10.
 Roasting sulphide minerals. J. B. Read and M. F. Cool-baugh. 1,694,794; Dec. 11.
 Robber trap. E. M. Rocha. 1,665,982; Apr. 10.
 Rock asphalt, Treatment of. W. P. Bentley. 1,664,846; Apr. 3.
 Rock bit. C. H. Bull. 1,663,332; Mar. 20.
 Rock crusher. A. Molander. 1,660,652; Feb. 28.
 Rock drill. G. Gartin. 1,689,869; Oct. 30.
 Rock drill. E. G. Gartin. 1,692,934; Nov. 27.
 Rock drill. C. C. Hansen. 1,691,570; Nov. 13.
 Rock drill. J. Köhler. 1,678,985; July 31.
 Rock drill. R. Lee. 1,660,201; Feb. 21.
 Rock drill. C. F. Osgood. 1,691,405-7; Nov. 13.
 Rock drill. F. W. Rudlin. 1,660,528; Feb. 28.
 Rock drill. F. M. Slater. 1,681,198; Aug. 21.
 Rock drill, Gasoline. J. V. Rice, Jr. 1,654,833; Jan. 3.
 Rock drill, Percussive. E. Penberthy. 1,684,638; Sept. 18.
 Rock drill, Percussive. E. Penberthy. 1,687,687; Oct. 16.
 Rock drills, Mounting for. C. C. Hansen. 1,669,466; May 15.
 Rock-gathering machine. W. E. Asplund. 1,681,457; Aug. 21.
 Rock pack, pillar, or like support for use in mine work-ings. J. Sloan. 1,661,238; Mar. 6.
 Rock-tunneling machine. A. E. Carlson. 1,659,942; Feb. 21.
 Rock wool, Method of and apparatus for producing. E. R. Powell. 1,656,828; Jan. 17.
 Rocker armchair and desk, Combined. J. S. Weeks. 1,670,603; May 22.
 Rocker, Bob. M. J. Hire. 1,689,137; Oct. 23.
 Rocker, Child's convertible. J. Rosman. 1,674,741; June 26.
 Rocker-step connection. P. R. Forman. 1,664,811; Apr. 3.
 Rocket. T. G. Hitt. 1,666,598; Apr. 17.
 Rocket, Revolving. T. G. Hitt. 1,666,534; Apr. 17.
 Rocking-chair. F. J. Liljedahl. 1,688,587; Oct. 23.
 Rocking-chair, Foldable. R. F. Vance. 1,672,437; June 5.
 Rocking-chair, Folding. L. O. Bergmann. 1,673,387; June 12.
 Rocking-chair, Folding. L. P. Walker and L. O. Berg-mann. 1,694,933; Dec. 11.
 Rocking structural brace. S. Macomber. 1,662,197; Mar. 13.
 Rod: See—
 Anchor rod.
 Brake rod.
 Clothes rod.
 Connecting rod.
 Curtain rod.
 Gauge rod.
 Grinding-mill rod.
 Gun-cleaning rod.
 Hanger rod.
 Lightning rod.
 Rod clamp. W. R. Barney. 1,668,754; May 8.
 Rod clamp. R. A. Lett. 1,659,111; Feb. 14.
 Rod clamp, Polish-. T. Severns and R. R. Hall. 1,664,709; Apr. 3.
 Rod clamp, Polished-. C. E. Gallman. 1,679,028; July 31.
 Rod connection, Pull-. P. E. Seckler. 1,679,686; Aug. 7.
 Rod coupling. A. B. Parker. 1,689,173; Oct. 23.
 Rod elevator. W. W. Wilson. 1,690,709; Nov. 6.
 Rod elevator and spider, Combination sucker-. D. H. Greenwood. 1,666,621; Apr. 17.
 Rod grip or clamp. R. R. McWilliams. 1,655,734; Jan. 10.
 Rod grip, Polish-. W. B. McMurtrie and W. B. Gover. 1,687,777; Oct. 16.
 Rod guide and protector. S. V. Dillon. 1,690,721; Nov. 6.
 Rod joint. R. A. Wilson. 1,671,458; May 29.
 Rod mill. W. H. Sommer. 1,672,917; June 12.
 Rod-operating mechanism, Push-. W. A. Seaman. 1,696,866; Dec. 25.
 Rod packing, Metallic. J. Badeker. 1,655,853; Jan. 10.
 Rod rack. J. C. Bouslog. 1,684,008; Sept. 11.
 Rod rotator, Polished-. A. Boynton. 1,667,187; Apr. 24.
 Rod rotor, Polished-. A. Boynton. 1,672,244; June 5.
 Rod rotor, Polished-. A. Boynton. 1,673,223-4; June 12.
 Rods for welding, Apparatus for producing. C. Kotchi and F. J. Rode. 1,678,148; July 24.
 Rods, Joint for. R. Plumb. 1,660,455; Feb. 28.
 Rods to plates, Securing stay. J. Petty. 1,675,727; July 3.
 Roll. L. V. Casto. 1,691,336; Nov. 13.
 Roll agitator, Antichoke. M. A. Winstead, J. D. Reid, and W. C. Moody. 1,687,964; Oct. 16.

- Roll and making same. J. R. Adams. 1,693,422; Nov. 27.
 Roll change mechanism. W. C. Scott. 1,671,685; May 29.
 Roll cleaner, Snapping-. T. H. Dillon, jr. 1,694,533; Dec. 11.
 Roll crusher, Single-. M. E. First. 1,664,877; Apr. 3.
 Roll, Cutting. C. W. Dohm. 1,679,351; Aug. 7.
 Roll for cane mills, crushers, and the like. A. de la Haba and E. Garcia. 1,666,055; Apr. 10.
 Roll for paper-making machines, Suction. E. E. Berry. 1,694,698; Dec. 11.
 Roll for revolving clearers, Driving. L. W. Penney. 1,681,875; Aug. 21.
 Roll for rolling metals and making same. F. D. Corbin. 1,694,251; Dec. 4.
 Roll holder. C. B. Higgins. 1,655,226; Jan. 3.
 Roll jack. E. D. Wright. 1,674,148; June 19.
 Roll rack. A. M. Guillet. 1,678,506; July 24.
 Roll table. T. D. Hodge. 1,659,873; Feb. 21.
 Roller: See—
 Conveyer roller. Lumber roller.
 Curtain roller. Massage roller.
 Fabric-expanding roller. Printing roller.
 Feed roller. Road roller.
 Garden roller. Shade roller.
 Heated roller. Skate roller.
 Land roller. Tubing roller.
 Roller. D. W. Bowe. 1,655,130; Jan. 3.
 Roller. P. N. Joslin. 1,673,364; June 12.
 Roller. O. Linder. 1,669,942; May 15.
 Roller and bearing support therefor. C. S. Card. 1,680,449; Aug. 14.
 Roller assembly, Spring-. H. Dixon. 1,678,590; July 24.
 Roller automatic stop, Awning-. J. T. Salesse. 1,678,790; July 31.
 Roller bit. C. H. M. Bull. 1,686,957; Oct. 9.
 Roller bit. T. H. Wobermin. 1,668,100; May 1.
 Roller bit and reamer. O. Duda. 1,660,309; Feb. 21.
 Roller cutter. C. H. M. Bull. 1,658,919; Feb. 14.
 Roller for conveyers. E. W. Zimmerman. 1,695,075; Dec. 11.
 Roller for drawn sheet glass, Bending. C. Truelove and W. T. Haight. 1,655,924; Jan. 10.
 Roller for typewriters, Platen. M. H. Alexanian. 1,666,403; Apr. 17.
 Roller mill. P. O. Diederichs. 1,671,356; May 29.
 Roller remover. S. Helfgott. 1,655,813; Jan. 10.
 Roller screen. W. H. Lenish. 1,672,647-8; June 5.
 Roller support. W. K. Liggett. 1,665,418; Apr. 10.
 Roller, Thrust. R. Bernhard. 1,666,436; Apr. 17.
 Roller vacuum extractor. G. Peebles. 1,695,974; Dec. 18.
 Rollers and the like relative to each other, Reversing. H. Gearing. 1,680,676; Aug. 14.
 Rollers, Journaling of supporting. J. Kirner. 1,658,530; Feb. 7.
 Rolling. S. G. Worton. 1,689,544; Oct. 30.
 Rolling device, Barrel-. T. E. McDaniel. 1,686,495; Oct. 2.
 Rolling machine. J. M. Barr. 1,665,522; Apr. 10.
 Rolling mill. T. V. Buckwalter. 1,664,156-7; Mar. 27.
 Rolling mill. D. A. Clark. 1,669,411; May 15.
 Rolling mill. J. R. George. 1,690,193; Nov. 6.
 Rolling mill. T. E. Holmes. 1,694,854; Dec. 11.
 Rolling mill. L. Iversen. 1,688,335; Oct. 23.
 Rolling mill. L. Lee. 1,671,769; May 29.
 Rolling mill. F. Möller. 1,656,748; Jan. 17.
 Rolling mill. J. D. Pugh. 1,662,331-2; Mar. 13.
 Rolling mill. J. H. Van Campen. 1,664,141; Mar. 27.
 Rolling mill. W. P. Witherow. 1,657,331; Jan. 24.
 Rolling mill and method of rolling. F. C. Biggett. 1,669,550; May 15.
 Rolling mill, Three-high. L. Johnson. 1,693,386; Nov. 27.
 Rolling mill, Three-high plate-. T. E. Holmes. 1,657,397; Jan. 24.
 Rolling sheets. J. B. Tytus. Re16,884; Feb. 21.
 Rolling storage-battery grids, Mechanism for. A. Van der Luft. 1,669,179; May 8.
 Rolling thin sections. J. W. Smith. 1,684,206; Sept. 11.
 Rolling wheel rims. E. G. Budd. 1,695,531; Dec. 18.
 Rolls, Making edible. F. E. Burdick. 1,696,343; Dec. 25.
 Rolls of paper to spindles, Attaching. T. Johansen and E. Kehoe. 1,671,724; May 29.
 Romper, Child's. E. L. Middleman. 1,669,834; May 15.
 Roof. H. Abraham. Des. 74,467; Feb. 14.
 Roof. H. Abraham. Des. 75,761-2; July 17.
 Roof. H. Abraham. Des. 77,213; Dec. 18.
 Roof. R. C. Neptune. 1,690,792; Nov. 6.
 Roof. W. R. Tobias. 1,685,559; Sept. 25.
 Roof. J. A. Topping. Des. 76,843; Nov. 6.
 Roof and floor construction. J. C. Lathrop. 1,688,723; Oct. 23.
 Roof and method of laying. F. C. Overbury. 1,673,585; June 12.
 Roof and sealing means therefor, Floating. C. F. H. Bohnhardt. 1,666,525; Apr. 17.
 Roof and shingle securing means. C. C. Figge. 1,678,333; July 24.
 Roof and shingle securing means. C. C. Figge. 1,681,765; Aug. 21.
 Roof and shingle therefor. W. R. Durbin. 1,672,713; June 5.
 Roof, Building. R. Dorn. 1,658,591; Feb. 7.
 Roof, Car. F. A. Jacobs. 1,677,183; July 17.
 Roof, Car. T. H. Williams. 1,679,460; Aug. 7.
 Roof, Car. W. Wright. 1,695,727; Dec. 18.
 Roof construction. C. Pantke. 1,659,471; Feb. 14.
 Roof covering. H. T. Nichols. 1,669,723; May 15.
 Roof covering. W. Thomsen. 1,670,942; May 22.
 Roof drain. W. S. Fleming. 1,690,630; Nov. 6.
 Roof flange, Adjustable. D. Weinberg. 1,680,921; Aug. 14.
 Roof flashing. A. Bloxham. 1,666,231; Apr. 17.
 Roof flashing. R. J. Stephenson. 1,678,715; July 31.
 Roof flashing. R. J. Stephenson. 1,686,881; Oct. 9.
 Roof flashing. W. B. Stephenson. 1,693,410; Nov. 27.
 Roof for cars. P. L. Rogers. 1,696,692; Dec. 25.
 Roof for closed vehicle bodies. R. W. Maudslav. 1,678,262; July 24.
 Roof for oil tanks, Floating. C. A. Glass. 1,674,038; June 19.
 Roof for railway box cars, Steel. W. E. Williams. 1,671,002; May 22.
 Roof gutters, Manufacture of Corner angles of. J. E. Wheeler. 1,657,425; Jan. 24.
 Roof, Insulated. H. S. Ashenhurst. 1,684,527; Sept. 18.
 Roof joint, Metallic-. E. J. Hayman. 1,693,274; Nov. 27.
 Roof package and binder therefor. W. H. Cady. 1,686,513; Oct. 9.
 Roof, Shingle, slate, and tile. S. B. Faison. 1,668,269; May 1.
 Roof, Shingled. A. J. Caron. Des. 77,218; Dec. 18.
 Roof structure. J. H. Goodwin. 1,689,131; Oct. 23.
 Roof, Tank. J. A. Stough. 1,654,846; Jan. 3.
 Roof ventilator. C. G. Hawley. 1,684,026; Sept. 11.
 Roofing. J. B. French. 1,691,348; Nov. 13.
 Roofing. H. L. Guy. 1,674,008; June 19.
 Roofing. O. A. Heppes. 1,666,046; Apr. 10.
 Roofing. O. A. Heppes. 1,694,418; Dec. 11.
 Roofing. C. E. Rahr and F. C. Overbury. 1,666,755; Apr. 17.
 Roofing. C. Stolp, jr. 1,666,429; Apr. 17.
 Roofing and laying the same. F. C. Overbury. 1,673,991; June 19.
 Roofing and method of making, Prepared. T. Robinson. 1,676,351; July 10.
 Roofing and siding construction. C. P. Cowan. 1,655,494; Jan. 10.
 Roofing bracket. A. P. Henderson. 1,691,478; Nov. 13.
 Roofing construction. J. F. Lietz. 1,666,939; Apr. 24.
 Roofing element. I. Davis. 1,681,975; Aug. 28.
 Roofing element. T. Robinson. Re16,983; May 29.
 Roofing element and making same. T. Robinson. 1,665,222; Apr. 10.
 Roofing elements and product thereof, Apparatus for producing. W. T. Hofmann. 1,692,210; Nov. 20.
 Roofing holder, Portable. E. M. Nelson. 1,661,192; Mar. 6.
 Roofing material. T. Robinson. 1,663,545; Mar. 27.
 Roofing material. F. W. Thomas. 1,657,979; Jan. 31.
 Roofing-paper cutter. L. W. La Clair. 1,672,416; June 5.
 Roofing plate or shingle. N. G. Olsson. 1,676,043; July 3.
 Roofing, Ready. H. R. Wardell. 1,689,985; Oct. 30.
 Roofing, Roll. A. A. Griswold. 1,684,179; Sept. 11.
 Roofing sheet, Expandible and retractable. O. P. Greenstreet. 1,686,274; Oct. 2.
 Roofing, Sheet-metal. L. Kuehn. 1,677,031; July 10.
 Roofing strip. E. L. Bell and O. M. Beebe. 1,683,016; Sept. 4.
 Roofing strip. M. L. Caton. 1,659,808; Feb. 21.
 Roofing strip. H. G. Kelly. Des. 75,433; June 5.
 Roofing strip. H. G. Kelly. 1,685,493; Sept. 25.
 Roofing strips, Process and apparatus for manufacturing prepared. H. Abraham. 1,662,655; Mar. 13.
 Roofing structure. J. F. Stuckert. 1,672,629; June 5.
 Roofing structure, Adjustable. J. F. Stuckert. 1,672,628; June 5.
 Roofing tile, Anchoring device for. J. L. Sullivan. 1,656,400; Jan. 17.
 Roofs or the like, Flashing for. A. C. Fischer. 1,664,606; Apr. 3.
 Roofs, Valley, hip, and ridge construction for. F. Dow. 1,685,524; Sept. 25.
 Roofs, walls, doors, panels, and other parts of buildings and structures, Surface of. G. W. Mullins and G. Squiers. 1,664,261; Mar. 27.
 Room heater. G. E. Barnhart. 1,695,079; Dec. 11.
 Roost. H. F. Thumann. 1,684,608; Sept. 18.
 Roost and dropping-board assembly. H. G. Brahman. 1,688,780; Oct. 23.
 Roost, Fowl. T. D. Caton. 1,685,515; Feb. 7.
 Roost, Poultry. D. W. Haynes. 1,660,265; Feb. 21.
 Roost, Poultry. I. C. White. 1,665,290; Apr. 10.
 Root eradicator. G. T. Minshall. 1,662,467; Mar. 13.
 Root-filling substance. E. G. Hedström. 1,678,940; July 31.
 Rope. E. W. Brewster. 1,660,065; Feb. 21.
 Rope. T. Gore. 1,663,589; Mar. 27.
 Rope, Attachment for wire. R. W. Scott. 1,678,961; July 31.
 Rope, Attachment for wire. R. W. Scott. 1,696,889; Dec. 25.
 Rope clamp. W. H. Stewart. 1,686,581; Oct. 9.
 Rope clamp, Wire-. G. E. Lambert. 1,692,993; Nov. 27.
 Rope climbing apparatus. O. P. E. Wolf and B. Hewitt. 1,668,182; May 1.
 Rope, Jumping. I. M. Goldstein. 1,666,201; Apr. 17.
 Rope or cord. C. A. Turner. 1,690,846; Nov. 6.
 Rope or cord and making same, Composite upholstery. R. F. Smith. 1,659,711; Feb. 21.

- Rope puller. J. O. Grenier. 1,692,728; Nov. 20.
 Rope thimble. C. C. Sunderland. 1,680,346; Aug. 14.
 Rope, Tow. E. J. Moridt. 1,672,074; June 5.
 Rope, Wire. T. Gore. 1,656,669; Jan. 17.
 Rosary case. M. Rothstein. 1,688,471; Oct. 23.
 Rose clip. H. Wisbauer. 1,683,512; Sept. 4.
 Rosette. C. A. Jameson. 1,656,792; Jan. 17.
 Rosette, Drop-cord. E. G. Smith. 1,691,675; Nov. 13.
 Rosin, Treating. R. C. Palmer. 1,660,762; Feb. 28.
 Rosser. C. E. Clowes. 1,663,794; Mar. 27.
 Rotaries, Gripping device for. W. C. Trout. 1,656,456; Jan. 17.
 Rotary agitator. E. B. Nichols. 1,658,460; Feb. 7.
 Rotary bit. A. E. Carlson. 1,661,715; Mar. 6.
 Rotary chair. O. L. Wolfe. 1,695,725; Dec. 18.
 Rotary cleanser. W. L. Deming. 1,678,850; July 31.
 Rotary cooler. S. Vermilye. 1,671,798; May 29.
 Rotary cutter. H. Everist. 1,661,692; Mar. 6.
 Rotary cutter. F. P. Miller. 1,664,983; Aug. 27.
 Rotary cutter. F. P. Miller. 1,681,675; Aug. 21.
 Rotary cutter. F. P. Miller. 1,691,983; Nov. 20.
 Rotary cutter. L. E. Parent. 1,688,296-8; Oct. 16.
 Rotary cutter. A. Zimmiewicz. 1,663,788; Mar. 27.
 Rotary cutter, Hot-tool. F. E. Frick. 1,682,900; Sept. 4.
 Rotary drier. F. A. Jones. 1,694,708; Dec. 11.
 Rotary drill. H. D. and W. A. Bartholomae, jr. 1,693,017; Nov. 27.
 Rotary drill. C. C. Hansen. 1,670,808; May 22.
 Rotary drill, Hydraulic-feed. O. B. Anderson. 1,692,431; Nov. 20.
 Rotary engine. W. Elrick. 1,694,587; Dec. 11.
 Rotary engine. E. Ericsson. 1,689,523; Oct. 30.
 Rotary engine. C. E. Kraus. 1,688,816; Oct. 23.
 Rotary engine. V. C. Mattson. 1,673,632; June 12.
 Rotary engine. R. Meyer. 1,664,987; Apr. 3.
 Rotary engine. G. P. Rascak. 1,655,738; Jan. 10.
 Rotary engine. R. C. G. Staats-Oels. 1,659,172; Feb. 14.
 Rotary furnace. E. Amme, K. Dienst and D. J. Uhle. 1,685,972; Oct. 2.
 Rotary jar. J. A. Kammerdiner. 1,672,821; June 5.
 Rotary jar. C. V. North. 1,672,464; June 5.
 Rotary jar. R. M. Pyles. 1,685,096; Sept. 4.
 Rotary line switch. B. D. Willis. 1,669,031; May 8.
 Rotary machine. J. Laverne. 1,693,302; Nov. 27.
 Rotary machine. J. J. Ring. 1,656,017; Jan. 10.
 Rotary machine. J. F. Roberts. 1,656,018; Jan. 10.
 Rotary machine. A. C. Stewart. 1,668,532; May 1.
 Rotary machine. I. H. Wiley. 1,660,464; Feb. 28.
 Rotary mill. J. Ihlefeldt. 1,671,243; May 29.
 Rotary mixer. L. H. Nelles. 1,693,935; Dec. 4.
 Rotary motor. I. Cavazos. 1,675,933; July 3.
 Rotary motor. H. D. Weed. 1,677,805; July 17.
 Rotary screen. J. A. White. 1,668,579; May 8.
 Rotary switch. R. K. Winning. 1,671,389; May 29.
 Rotary ventilator. W. F. Hirschman. 1,663,199; Mar. 20.
 Rotary ventilator. W. F. Hirschman. 1,681,843; Aug. 21.
 Rotator, Polished-rod. A. Boynton. 1,686,261; Oct. 2.
 Rotor. H. G. Reist. 1,687,512-13; Oct. 16.
 Rotor. J. J. Ring. 1,685,756; Sept. 25.
 Rotor. J. F. Roberts. 1,656,019; Jan. 10.
 Rotor and forming the same, Turbine. W. E. Richard. 1,686,840; Oct. 9.
 Rotor, Dynamo-electric-machine. H. G. Reist. 1,689,499; Oct. 30.
 Rotor for dynamo-electric machines. A. J. Brown. 1,685,739; Sept. 25.
 Rotor, Internal. M. F. Hill. 1,682,563; Aug. 28.
 Rotor, Sucker-rod. S. B. Sargent. 1,681,789; Aug. 21.
 Rotors of electric motors, Producing integral bar windings in the. C. L. Daun. 1,695,799; Dec. 18.
 Rouge blender. H. Leyne. Des. 75,501; June 12.
 Roundabout. W. E. Brown. 1,671,403; May 29.
 Roundabout. A. W. Bryngelson. 1,685,627; Sept. 25.
 Roundabout. F. H., F. F., and A. J. Dickson. 1,689,520; Oct. 30.
 Route guidance. P. M. Krantz. 1,680,998; Aug. 14.
 Route indicator for automobiles, Adjustable. J. C. Crimmins. 1,667,967; May 1.
 Router. V. Royle. 1,674,302; June 19.
 Router, Adjustable portable. O. A. Popham. 1,679,446; Aug. 7.
 Router bits, Guide for. R. L. Carter. 1,657,659; Jan. 31.
 Routing machine. J. E. Kalgren. 1,678,814; July 31.
 Routing machine. V. Royle. 1,667,394; Apr. 24.
 Routing machine. G. Schrade. 1,657,041; Jan. 24.
 Rowlock. A. H. Rollins. 1,656,534; Jan. 17.
 Rubber and making the same, Colored vulcanized. E. B. Bridgwater. 1,663,436; Mar. 20.
 Rubber and other thermoplastic substances, Producing articles from. A. T. Gustafson. 1,665,355; Apr. 10.
 Rubber and product thereof, Manufacture of vulcanized. W. Scott. 1,688,758; Oct. 23.
 Rubber and product thereof, Manufacturing vulcanized. W. Scott. 1,688,757; Oct. 23.
 Rubber and product thereof, Producing vulcanized. W. Scott. 1,688,755; Oct. 23.
 Rubber and products obtained thereby, Coloring aqueous dispersions of. M. C. Teague. 1,660,213; Feb. 21.
 Rubber and products obtained thereby, Vulcanizing. M. L. Weiss. 1,657,522; Jan. 31.
 Rubber and resin compound. S. P. Miller. 1,682,397; Aug. 28.
 Rubber and the like, Composition for use in forming. J. M. Craz. 1,662,958; Mar. 20.
 Rubber and the like, Manufacture of. P. Schidrowitz. 1,682,857; Sept. 4.
 Rubber and the product obtained thereby, Manufacturing vulcanized. W. P. Ter Horst. 1,682,723; Aug. 28.
 Rubber article. O. T. Bugz. 1,669,854; May 15.
 Rubber articles, Making. M. C. Teague. 1,673,649; June 12.
 Rubber articles, Making reenforced-. W. B. Wescott. 1,671,914; May 29.
 Rubber articles, Manufacture of. S. D. Sutton. 1,670,598; May 22.
 Rubber articles, Manufacturing. E. W. Dunbar. 1,663,587; Mar. 27.
 Rubber articles, Manufacturing. R. F. Kinsley. 1,684,100; Sept. 11.
 Rubber articles, Method of and apparatus for vulcanizing. L. A. Laursen. 1,665,312; Apr. 10.
 Rubber articles, Method of and apparatus for vulcanizing. R. W. Snyder. 1,656,874; Jan. 17.
 Rubber articles, Producing grained. T. J. Meli. 1,663,275; Mar. 20.
 Rubber articles, Vulcanizing method and apparatus for. L. A. Laursen. 1,665,311; Apr. 10.
 Rubber bladders, Making. F. T. Roberts. 1,668,782; May 8.
 Rubber cap. A. E. Anderson. 1,671,691; May 29.
 Rubber composition. C. H. Campbell. 1,683,862-3; Sept. 11.
 Rubber composition. F. C. Dyche-Teague. 1,670,599; May 22.
 Rubber composition and manufacturing same. W. Scott. 1,688,756; Oct. 23.
 Rubber composition and process relating thereto. C. H. Campbell. 1,683,864; Sept. 11.
 Rubber composition and producing the same. H. L. Fisher. 1,668,235-7; May 1.
 Rubber composition containing linseed oil, Chlorinated. C. Ellis. 1,695,640; Dec. 18.
 Rubber-cork articles, Manufacture of molded and vulcanized. R. Grimoin-Sanson and H. Danel. 1,688,491; Oct. 23.
 Rubber factories, Apparatus for use in. O. D. Hollenbeck. 1,680,171; Aug. 7.
 Rubber goods from rubber dispersions, and direct production of. P. Klein. 1,683,588; Sept. 4.
 Rubber into a colloidal substance, Method for the dispersion of. H. L. Trumbull and J. B. Dickson. 1,668,879; May 8.
 Rubber jar, Reenforced-. L. E. Klug. 1,670,158; May 15.
 Rubberlike bodies, Producing. W. B. Pratt. 1,671,314; May 29.
 Rubberlike products, Manufacturing. W. O. Herrmann and W. Haehnel. 1,672,157; June 5.
 Rubber, Making reenforced hard. W. B. Wescott. 1,689,570; Oct. 30.
 Rubber, Manufacturing vulcanized. W. P. ter Horst. 1,672,548; June 5.
 Rubber matting. W. S. Vrooman. Des. 75,536; June 12.
 Rubber, Method and apparatus for making strip. F. P. Hartung. 1,661,069; Feb. 28.
 Rubber-molding apparatus. L. W. Hottel. 1,657,398; Jan. 24.
 Rubber, Preserving vulcanized. H. W. Fiedler. 1,661,887; Mar. 6.
 Rubber, Producing vulcanized. W. Scott. 1,678,084-5; July 24.
 Rubber product and producing same, Vulcanized. W. P. Ter Horst. 1,682,729; Aug. 28.
 Rubber, Reclaiming. G. J. Miller. 1,657,171; Jan. 24.
 Rubber, Recovery of. W. H. Yeandle. 1,695,676; Dec. 18.
 Rubber, Sheet. B. A. Ruhling. 1,677,372; July 17.
 Rubber sheet material for manufacturing. G. E. Grimm. 1,667,854; May 1.
 Rubber softening and compounding ingredient. C. O. North. 1,679,000; July 31.
 Rubber, Stabilized chlorinated. C. Ellis. 1,695,641; Dec. 18.
 Rubber stock, Continuously vulcanizing. G. F. Fisher. 1,661,888; Mar. 6.
 Rubber stock, Treating. H. R. Minor. 1,675,124; June 26.
 Rubber-strip-cutting machine. C. O. Strom and H. M. Nelson, jr. 1,684,158; Sept. 11.
 Rubber to metal, Bonding. H. Gray. 1,689,628; Oct. 30.
 Rubber to the surface of india-rubber goods, Fixing a thin layer of sponge. S. Morimoto. 1,685,954; Oct. 2.
 Rubber tubes, Making. D. E. Hennessy. 1,682,125; Aug. 28.
 Rubber tubes, Manufacturing. D. E. Hennessy. 1,682,124; Aug. 28.
 Rubber vulcanization. A. C. Burrage, jr. 1,677,169; July 17.
 Rubber-vulcanization accelerator. C. O. North and W. Scott. 1,664,481; Apr. 3.
 Rubber-vulcanization accelerator and preparing same. W. Scott. 1,656,891; Jan. 17.
 Rubber vulcanization and product thereof, Accelerating. D. H. Powers. 1,674,122; June 19.
 Rubber, Vulcanization of. C. J. T. Cronshaw and W. J. S. Naunton. 1,687,861; Oct. 16.
 Rubber, Vulcanization of. R. V. Heuser. 1,681,806; Aug. 21.
 Rubber, Vulcanization of. W. Scott. 1,656,834; Jan. 17.
 Rubber, Vulcanizing. C. O. North and C. W. Christensen. 1,670,312; May 22.

- Rubber with aldehyde amine condensation products and product, Treating. S. M. Cadwell. 1,673,549; June 12.
- Rubbing and polishing device for automobiles. J. M. Moratta. 1,675,225; June 26.
- Rubbing and polishing, Mechanism for. L. L. Ross. 1,673,160; June 12.
- Rubbing machine. S. F. Anderson. 1,677,112; July 10.
- Rubbing machine. G. H. Ekstrom. 1,666,256; Apr. 17.
- Rubbing machine. C. S. Root. 1,681,648; Aug. 21.
- Rubbing plate, Adjustable. H. E. Campbell. 1,664,373; Mar. 27.
- Rudder. A. Flettner. 1,661,115; Feb. 28.
- Rudder. E. F. Wees. 1,664,957; Apr. 3.
- Rudder-bar retainer. R. E. Mitton. 1,687,732; Oct. 16.
- Rug. C. de Benedictis. Des. 75,616; June 26.
- Rug. S. Brandt. Des. 76,225-6; Sept. 4.
- Rug. S. Brandt. Des. 76,284; Sept. 11.
- Rug. A. Douglass. Des. 76,738; Oct. 30.
- Rug. M. Kline. 1,675,112; June 26.
- Rug. J. Pegel. Des. 75,285; May 22.
- Rug. D. H. Stroud. Des. 74,284-6; Jan. 17.
- Rug and strand therefor. P. C. Waite. 1,664,497; Apr. 3.
- Rug and strand therefor. P. C. Waite. 1,679,553; Aug. 7.
- Rug bag. G. V. Granger. Re17,118; Oct. 30.
- Rug, Ice. F. H. Field. 1,695,709; Dec. 18.
- Rug-making machine. J. E. Berghind. 1,693,267; Nov. 27.
- Rug or similar article. O. W. Fauser. Des. 74,485-94; Feb. 21.
- Rug or similar article. O. W. Fauser. Des. 74,829; Apr. 3.
- Rug or similar article. O. W. Fauser. Des. 74,923; Apr. 17.
- Rug or similar article. L. S. Henderson. Des. 75,686; July 3.
- Rug or similar article. L. S. Henderson. Des. 77,091; Dec. 4.
- Rug or similar article. E. P. Wyatt. Des. 76,737; Oct. 30.
- Rug, Stair. F. Orange. 1,690,991; Nov. 6.
- Rug strand and making the same. J. B. Farrell. 1,658,434; Feb. 7.
- Rule. W. F. Boast. 1,663,190; Mar. 20.
- Rule, Carpenter's. A. G. Graham. 1,685,486; Sept. 25.
- Rule, bevel and square, Combined folding. G. T. Bloomfield. 1,674,882; June 26.
- Rule, Extensible. C. K. Denman. 1,670,025; May 15.
- Rule, Folding. A. F. Pluth. 1,670,635; May 22.
- Rule, Jointed. C. W. Humphrey. 1,664,886; Apr. 3.
- Rule, Measuring. D. W. McGee. 1,673,577; June 12.
- Rule, Recording. A. L. Kuhlman. 1,659,739; Feb. 21.
- Rule, Plumb. W. J. Carpenter and F. Shanley. 1,683,065; Sept. 4.
- Rule-punching mechanism. G. E. Wallin and E. G. Masengarb. 1,682,516; Aug. 28.
- Rule, Roof-framing. G. P. Billings. 1,683,438; Sept. 4.
- Ruler. H. E. Hunt. 1,676,951; July 10.
- Ruler, Measuring. A. B. Cook. 1,663,293; Mar. 20.
- Ruling apparatus for characters. K. Castan. 1,692,149; Nov. 20.
- Ruling machine. A. Broadmeyer. 1,660,116; Feb. 21.
- Ruling machine. A. Broadmeyer. 1,666,989; Apr. 24.
- Ruling machine. C. J. Thomson. 1,666,634; Apr. 17.
- Ruling machines, Adjustable guide for. E. J. Harper. 1,662,384; Mar. 13.
- Runner opener. L. H. Kaupke. 1,681,938; Aug. 28.
- Running board. B. Bronson. 1,660,307; Feb. 21.
- Running-board foot pad and luggage carrier, Combination. N. Nielsen. 1,679,916; Aug. 7.
- Running board for automobiles, Cushioning. S. Lucke. 1,669,876; May 15.
- Running board or other tread member. B. Bronson. 1,660,308; Feb. 21.
- Running-board saddle. B. F. Rowley. 1,693,994; Dec. 4.
- Ruway, Subgrade. M. F. Bramley. 1,668,546; May 8.
- Rust or scale cleaner, Rotary. K. H. V. Gustafsson. 1,692,500; Nov. 20.
- Rust removing and preventing composition. E. J. Rogers. 1,673,951; June 19.
- Rust prevention. R. A. Sealey. 1,692,706; Nov. 20.
- Rustproofing material and making the same. H. H. Willard and M. Green. 1,660,661; Feb. 28.
- Rustproofing process. W. H. Allen. 1,654,716; Jan. 3.
- Rust-resisting can. N. Harris. 1,694,820; Dec. 11.
- Sachet device. C. W. Knapp. Des. 77,243-4; Dec. 18.
- Sack carrier. J. N. Eustace. 1,656,701; Jan. 17.
- Sack, Cotton-picker's. C. E. Manner. 1,687,577; Oct. 16.
- Sack, Cotton-picking. R. H. Malone. 1,689,399; Oct. 30.
- Sack filler. R. L. Callahan. 1,686,404; Oct. 2.
- Sack holder. S. C. Brannum. 1,676,852; July 10.
- Saddle. R. F. Warren. Des. 76,907; Nov. 13.
- Saddle. F. C. Werber. 1,671,754; May 29.
- Saddle and center joint cap. A. R. Wilson. 1,664,444; Apr. 3.
- Saddle, Cycle. J. W. Brandt. 1,670,563; May 22.
- Saddle for the tables of thread-stitching machines. U. Bischof. 1,684,342; Sept. 11.
- Saddle horn. J. P. Baldwin. 1,661,989; Mar. 6.
- Saddle mechanism, Top-roll. A. F. Fyans. 1,673,448; June 12.
- Sadiron. C. A. Brewer. 1,674,092; June 19.
- Sadiron. N. Slobotkin. Re16,847; Jan. 10.
- Sadiron. J. A. Spencer. Re17,107; Oct. 23.
- Sadiron and heater, Combined. J. Lavoie. 1,685,030; Sept. 18.
- Sadiron heater. C. M. Strickler. 1,658,399; Feb. 7.
- Sadiron holder. J. Bruckel. 1,660,474; Feb. 28.
- Sadiron stand. R. L. Crowder. 1,656,320; Jan. 17.
- Sadiron stand, Electrically-heated. R. O. Reynolds. 1,664,758; Apr. 3.
- Sadiron, Steam-heated. J. A. Revill. 1,660,396; Feb. 28.
- Sadiron support. C. Danielson. 1,657,917; Jan. 31.
- Sadiron's, Lamp attachment for. J. E. Picklesimer. 1,684,742; Sept. 18.
- Safe and vault protecting means. C. D. Browne. 1,670,134; May 15.
- Safe construction. D. H. Bellamore and C. P. Bartels. 1,688,849; Oct. 23.
- Safe construction. P. E. Pyle. 1,669,486; May 15.
- Safe lock. J. J. Mariotti. Re16,919; Apr. 3.
- Safe lock. H. Q. Martin. 1,659,299; Feb. 14.
- Safe, Wall. E. E. Glass. 1,681,290; Aug. 21.
- Safes, Bolt work for. C. P. Bartels and C. J. Bates, jr. 1,675,085; June 26.
- Safes, storerooms, and the like, Reinforcement for. H. S. Bruckshaw. 1,674,714; June 26.
- Safety appliance. F. Hymans. 1,654,650; Jan. 3.
- Safety appliance, Elevator. J. N. Anderson. 1,678,031; July 24.
- Safety appliance for brake beams. C. V. Marquardt. 1,694,100; Dec. 4.
- Safety appliance for hydraulic accumulators. M. Mack. 1,679,433; Aug. 7.
- Safety appliance for inflammable material containers. R. J. Monnett. 1,686,918; Oct. 9.
- Safety appliance. Oil-reservoir. G. L. Ticehurst. 1,678,539; July 24.
- Safety arrangement for railroad crossings. G. E. Jordan. 1,696,637; Dec. 25.
- Safety brake, Electropneumatic. C. C. Farmer and J. C. McCune. 1,668,008; May 1.
- Safety can. F. S. Blanchard. 1,687,120; Oct. 9.
- Safety clamp. G. B. Shively. 1,695,350; Dec. 18.
- Safety closet. F. F. Fonyag. 1,667,543; Apr. 24.
- Safety contrivance on permanent railway tracks. K. E. Wenzel. 1,683,709; Sept. 11.
- Safety-control apparatus for air brakes. L. G. Johnson. 1,674,249; June 19.
- Safety control for oil burners, Automatic. H. S. Rogers and R. Raddatz. 1,677,295; July 17.
- Safety control mechanism for fuel-feeding devices. W. W. Williams. 1,691,002; Nov. 6.
- Safety control mechanism, Thermal. W. W. Williams. 1,659,536; Feb. 14.
- Safety device. F. Barney. 1,655,587; Jan. 10.
- Safety device. P. J. O'Sullivan. 1,683,693; Sept. 11.
- Safety device. A. Panalle, and S. L. Needle. 1,681,130; Aug. 14.
- Safety device. J. B. Roulo. 1,691,129-30; Nov. 13.
- Safety device. E. G. Valens. 1,668,791; May 8.
- Safety device and operating mechanism therefor, Crossing. F. L. Siano. 1,661,051; Feb. 28.
- Safety device, Escalator. F. W. Blackburne. 1,695,083; Dec. 11.
- Safety device for aeroplanes. P. and J. Eller. 1,691,709; Nov. 13.
- Safety device for automatic screw machines. O. A. Russell. 1,692,314; Nov. 20.
- Safety device for automobile lifts. E. E. Hollister. 1,691,807; Nov. 13.
- Safety device for automobiles, Electric. L. O. Callister. 1,689,715; Oct. 30.
- Safety device for banks. G. W. Neely. 1,694,556; Dec. 11.
- Safety device for brake-lever spreaders. S. J. Strid. 1,679,589; Aug. 7.
- Safety device for dry-cleaning establishments or the like. H. Schlesinger. 1,654,836; Jan. 3.
- Safety device for elevators. J. A. Carlton. 1,694,731; Dec. 11.
- Safety device for elevators and the like. J. Kaspe. 1,676,443; July 10.
- Safety device for gas-firing systems. E. O. Engels. 1,686,965; Oct. 9.
- Safety device for gasoline filling stations. N. A. Carlson. 1,696,540; Dec. 25.
- Safety device for hot-air furnaces. J. M. Larson. 1,688,121; Oct. 16.
- Safety device for liquid-measuring apparatus. H. Wydler. 1,687,417; Oct. 9.
- Safety device for machine control. H. Ruegg. 1,687,107; Oct. 9.
- Safety device for motor vehicles. C. L. Beauregard. 1,677,703; July 17.
- Safety device for multiple-spindle screw machines, Crank-handle. C. W. Simpson. 1,692,315; Nov. 20.
- Safety device for overdriven extractors. C. M. Otis and F. J. Couch. 1,691,122; Nov. 13.
- Safety device for passenger coaches and other vehicles. G. W. Taylor. 1,693,412; Nov. 27.
- Safety device for preventing the escape of gas. O. Galaup. 1,673,976; June 19.
- Safety device for railroad-car brake beams. V. H. Harbert. 1,679,420; Aug. 7.
- Safety device for traction operation. A. Couwenhoven. 1,687,084; Oct. 9.
- Safety device for traction operation. P. Ferrari. 1,687,088; Oct. 9.

- Safety device, Fusible. G. A. Robertshaw. 1,671,782; May 29.
- Safety device, Gas-cock. C. Roose. 1,692,188; Nov. 20.
- Safety device, Oil-burner. H. F. Tapp and H. D. Dix. 1,688,163; Oct. 16.
- Safety device, Railroad-washout. W. R. Pool and E. W. Mealer. 1,696,209; Dec. 25.
- Safety device, Submarine. R. M. Johnson. 1,692,506; Nov. 20.
- Safety device, Thermal. I. E. McCabe. 1,681,421; Aug. 21.
- Safety device, Vault-door. J. B. Lischke. 1,692,044; Nov. 20.
- Safety elevator. L. A. Tomlin. 1,696,557; Dec. 25.
- Safety gate. C. Wright. 1,686,430; Oct. 2.
- Safety gate, Railway-crossing. M. Brown and J. Green. 1,675,447; July 3.
- Safety guard. W. D. Anderson. 1,692,972; Nov. 27.
- Safety guard. E. G. Busse. 1,681,463; Aug. 21.
- Safety guard for dangerous highways. H. C. Lookabaugh. 1,677,038; July 10.
- Safety hanger. S. S. Vineberg. 1,661,516; Mar. 6.
- Safety hanger, Brake-beam. J. Wilson. 1,685,474; Sept. 25.
- Safety hook. R. Clarke. 1,667,927; May 1.
- Safety hook. W. G. and K. R. Jensen. 1,682,617; Aug. 28.
- Safety hook. J. E. Sprain. 1,676,167; July 3.
- Safety installation for grade crossings. T. E. Clark. 1,685,480; Sept. 25.
- Safety light. F. W. Vogel. 1,655,847; Jan. 3.
- Safety lock. H. N. Carragher. 1,677,617; July 17.
- Safety lock. R. J. Ellsworth. 1,695,184; Dec. 11.
- Safety lock. S. J. Strid. 1,691,893; Nov. 13.
- Safety means for fluid-dispensing pumps. A. R. Mason and O. C. Failing. 1,694,827; Dec. 11.
- Safety mechanism for elevator-shaft doors. A. J. Rosen-treter. 1,696,328; Dec. 25.
- Safety mechanism for street-car and door operation. G. W. Meyers. 1,691,729; Nov. 13.
- Safety pin. A. Dvorak. 1,664,198; Mar. 27.
- Safety pin. E. O. Myrgren. 1,660,231; Feb. 21.
- Safety pin. A. Philipp. 1,680,693; Aug. 14.
- Safety pin, Laundry. B. Lehwahl. 1,681,122; Aug. 14.
- Safety pin, Locking. P. Riosco. 1,679,229; July 31.
- Safety razor, hair trimmer, and comb, Combined. B. Kwartin. 1,683,980; Sept. 11.
- Safety signal. M. P. Kirk. 1,663,133; Mar. 20.
- Safety signal, Motor. S. Faith. 1,657,857; Jan. 31.
- Safety stop mechanism. O. H. Ludeman. 1,691,630; Nov. 13.
- Safety switch. A. E. Griswold. 1,687,835; Oct. 16.
- Safety switch. E. G. Johansson. 1,693,952; Dec. 4.
- Safety switch. J. F. Lauper. 1,694,270; Dec. 4.
- Safety switch. W. E. McCoy. 1,656,383; Jan. 17.
- Safety switch, Electric. W. C. Davis, jr. 1,655,313; Jan. 3.
- Safety switch, Electric. E. Nazzareno. 1,686,707; Oct. 9.
- Safety tread. F. A. Bandholtz. 1,658,756; Feb. 7.
- Sagger. J. A. Jeffery. 1,677,452; July 17.
- Sagger-making machine. D. D. Irwin. 1,677,677; July 17.
- Sail attachments, Traveler slide for. P. C. Wilson. 1,695,674; Dec. 18.
- Sail-securing device, Traveling. P. C. Wilson. 1,695,673; Dec. 18.
- Sails, Snap hook for. L. J. Larsen. 1,660,927; Feb. 28.
- Sales book, Manifolding. A. H. Phillips. 1,666,506; Apr. 17.
- Sales table, Adjustable merchandise. W. J. Darby. 1,688,003; Oct. 16.
- Salinometer, test, and gauge cock. J. D. Maxwell. 1,679,485; Aug. 7.
- Saliva collector for smoking equipment. S. Rackmales. 1,657,516; Jan. 31.
- Salt and pepper shaker, Combined. A. J. Flauder. Des. 74,496; Feb. 21.
- Salt and pepper shaker, Combined. A. J. Flauder. Des. 75,101; May 8.
- Salt and pepper shaker or similar article. J. W. Jennings. Des. 76,303-9; Sept. 11.
- Salt, betain salt, and glutamic acid from the waste liquor produced in distilling alcohol from fermented beet molasses, Collecting inorganic potassium. Y. Takayama. 1,681,379; Aug. 21.
- Salt grainer. R. G. Peters. 1,656,827; Jan. 17.
- Salt in asphaltic compounds, Mixing metallic. F. L. Carson. 1,677,272; July 17.
- Salt, Manufacturing complex hydrofluoric. M. Buchner. 1,685,628; Sept. 25.
- Salt shaker. C. E. Fisher. 1,664,068; Mar. 27.
- Salt shaker and the like, Self-cleaning. J. Cayot. 1,687,155; Oct. 9.
- Salting apparatus. D. R. Bailey. 1,664,474; Apr. 3.
- Salts and by-products, Producing potassium. R. D. Pike and R. Cummings. 1,686,835; Oct. 9.
- Salts from aqueous solutions, Extraction of. D. G. Zalocostas. 1,684,935; Sept. 18.
- Salts from brines, Recovery of sodium. W. A. Kuhnert. 1,693,237; Nov. 27.
- Salts from brines and solutions, Production of. O. V. Martin. 1,657,633; Jan. 31.
- Salts from natural brines or the like, Recovery of soluble. C. E. Dolbear. 1,673,969; June 19.
- Salts of organic compounds, Manufacture of solid alkali-metal. K. Dobmaier. 1,685,191; Sept. 25.
- Salts of organic compounds possessing acid character, Production of soluble. M. Buchner. 1,683,159; Sept. 4.
- Salts of 3-acetylino-4-hydroxyphenyl arsenic acid and preparing the same. E. Fournieu. 1,677,964; July 24.
- Salute. A. Fabrizio. 1,673,938; June 19.
- Salvaging apparatus. G. G. Powell. 1,691,738; Nov. 13.
- Sample and pamphlet carrier. Combination. H. Deutschmeister. 1,677,923; July 10.
- Sample and sample container. E. M. Kinsey. 1,667,320; Apr. 24.
- Sample case. H. H. Labadie and B. B. Beers. 1,667,938; May 1.
- Sample-display device. L. R. Shope. 1,668,428; May 1.
- Sample tab. A. Spitzer. 1,682,583; Aug. 28.
- Sampling apparatus. S. E. Stephenson. 1,679,004; July 31.
- Sampling device for tank cars. S. V. Osburn. 1,669,776; May 15.
- Sampling device, Pipe-line. J. S. Watts. 1,691,687; Nov. 13.
- Samples of secretions, Instrument for taking. E. Gutt-mann. 1,669,395; May 8.
- Sand and water for concrete, Proportioning. C. S. John-son. 1,656,001; Jan. 10.
- Sand, Apparatus for the recovery of fine values from. E. A. Sperry. 1,695,614; Dec. 18.
- Sand bailer, Rotary. W. H. Lynch. 1,668,326; May 1.
- Sand-blast apparatus and process. R. H. Moore. 1,692,948; Nov. 27.
- Sand-blast machine. G. C. Fatscher and C. E. Billings. 1,661,934; Mar. 6.
- Sand-blast machine. E. A. Rich, jr., and R. H. Moore. 1,692,864; Nov. 27.
- Sand-blast machine. F. Washburn and J. R. Sheldon. 1,660,058; Feb. 21.
- Sand cleaning and reclaiming unit. H. W. Titgen. 1,696,064; Dec. 13.
- Sand collecting and treating machine. G. F. Royer. 1,694,356; Dec. 4.
- Sand cutting and conveying machine. E. A. Rich, jr. 1,655,567; Jan. 10.
- Sand cutting, screening, and piling machine. V. E. Minich. 1,678,702; July 31.
- Sand cutting, screening, and piling machine. E. A. Rich, jr. 1,685,139; Sept. 25.
- Sand from metal castings, Device for removing. D. C. Mulvihill. 1,686,629; Oct. 9.
- Sand gate. R. Hamm. 1,667,690; Apr. 24.
- Sand into molds, Method of and apparatus for deliver-ing. O. Nagel and W. Kaempfer. 1,677,726; July 17.
- Sand mixer, Foundry. J. F. Turner. 1,673,927; June 19.
- Sand-mixing machine. R. H. Cleminslaw. 1,677,619; July 17.
- Sand-mulling device. W. H. Nicholls. 1,676,663; July 10.
- Sandpaper and rubbing machine. L. Ferrara. 1,670,851; May 22.
- Sandpaper holder. G. A. Lewis. 1,656,981; Jan. 24.
- Sandpaper holder. S. J. Sloan. 1,664,950; Apr. 3.
- Sand-reel structure. R. R. Bloss, Roy C. Pfeil, and E. B. Maurer. 1,662,775; Mar. 13.
- Sand strainer. F. H. Soper. 1,658,745; Feb. 7.
- Sand-throwing machine for foundries. N. W. Warman. 1,673,276; June 12.
- Sand trap. F. Cellner. 1,670,651; May 22.
- Sand-treating machine. V. E. Minich. 1,675,721; July 3.
- Sand washer and separator. E. Garlick. 1,694,255; Dec. 4.
- Sand wedge. E. K. MacClain. 1,695,598; Dec. 18.
- Sandal. I. Koehnemann. Des. 75,261; May 22.
- Sandal. J. Marcus. 1,681,548; Aug. 21.
- Sandal case. V. Havemeyer. 1,659,264; Feb. 14.
- Sandal, Sanitary. F. O. Lawson. 1,686,975; Oct. 9.
- Sander, Track. J. H. Watters. 1,674,935; June 26.
- Sanding apparatus, Track. H. Vissering and G. S. Turner. 1,693,944; Dec. 4.
- Sanding device. C. M. Hill. 1,673,332; June 12.
- Sanding device. W. H. McClelland. 1,676,406; July 10.
- Sanding device, Automobile. F. F. F. Behrens. 1,669,408; May 15.
- Sanding machine. N. M. Heintz. 1,689,829; Oct. 30.
- Sanding machine. A. R. Landquist. 1,669,094; May 8.
- Sanding machine. J. B. Leonard. 1,682,013; Aug. 28.
- Sanding machine. E. R. Young. 1,684,464; Sept. 18.
- Sanding machine, Automatic. W. Loeffler. 1,675,183; June 26.
- Sanding machines, Feet for. E. E. Hummerich. 1,692,898; Nov. 27.
- Sanding mechanism, Vehicle. A. W. Reed. 1,678,604; July 24.
- Sanding, scouring, and buffing machine. L. L. Hartwell. 1,665,589; Apr. 10.
- Sand-reel-operating mechanism. R. W. Sage and H. R. Boughner. 1,688,599; Oct. 23.
- Sanitary belt and buckle. O. C. Stahl. 1,665,075; Apr. 3.
- Sanitary belt and napkin holder, Combination. L. Ameza. 1,667,522; Apr. 24.
- Sanitary device. W. R. Pulkinghorn. 1,691,359; Nov. 13.
- Sanitary fixture. R. E. Crane. 1,677,550; July 17.
- Sanitary hair receiver. C. R. Dickerson. 1,690,927; Nov. 6.
- Sanitary napkin. L. E. La Bombard and M. H. Sidebotham. 1,696,205; Dec. 25.
- Sanitary-napkin holder. S. Katz. 1,664,298; Mar. 27.
- Sanitary seat cover. A. Mueller. 1,678,296; July 24.

- Sash, Adjustable window. W. J. Connors. 1,689,519; Oct. 30.
- Sash balance, Spring. A. F. Mantz. 1,669,990; May 15.
- Sash construction. C. G. Nelson. 1,687,305; Oct. 9.
- Sash construction, Window-. E. F. Chaffee. 1,657,787; Jan. 31.
- Sash construction, Window-. L. Schugerl. 1,683,991; Sept. 11.
- Sash-cord holder and connector. M. Deutman. 1,658,709; Feb. 7.
- Sash counterbalance, Window-. G. C. Roedl. 1,678,444; July 24.
- Sash, door, or store-front construction. A. H. Davis. 1,694,003; Dec. 4.
- Sash fastener. C. P. Sekyer. 1,666,945; Apr. 24.
- Sash for holding glass. D. J. and D. J. Murnane, jr. 1,686,920-1; Oct. 9.
- Sash for holding glass. D. J. Murnane. 1,686,922-3; Oct. 9.
- Sash frame. C. L. Thornberry. 1,664,578; Apr. 3.
- Sash guide. J. F. Levan. 1,659,657-8; Feb. 21.
- Sash holder. D. S. Everett. 1,664,602; Apr. 3.
- Sash holder. S. Karsz. 1,660,333; Feb. 28.
- Sash holder and starter, Combined. E. F. Chaffee. 1,667,283; Apr. 24.
- Sash holder and starter, Combined. E. F. Chaffee. 1,678,243; July 24.
- Sash holder, Storm-. I. J. Ekse. 1,669,606; May 15.
- Sash holder, Window-. E. R. Draver. 1,660,071; Feb. 21.
- Sash lifter and latch. B. F. Burt. 1,689,111; Oct. 23.
- Sash, Metallic window. J. T. Winton. 1,666,839; Apr. 17.
- Sash mounting, Window. W. Bayley. 1,660,408; Feb. 28.
- Sash mounting, Window-. W. J. Behlmer. 1,660,063; Feb. 21.
- Sash mounting, Window-. H. Pallada. 1,662,619; Mar. 13.
- Sash-operating mechanism. E. L. Ackerman and A. J. Zwierzina. 1,670,332; May 22.
- Sash-operating mechanism. G. I. Barclay. 1,677,380; July 17.
- Sash-operating mechanism. E. W. Terhune. 1,681,141; Aug. 14.
- Sash or store-front construction. A. H. Davis. 1,694,002; Dec. 4.
- Sash operator for greenhouses. T. E. King. 1,688,337; Oct. 23.
- Sash-regulating device. G. A. Carlson. 1,671,571; May 29.
- Sash regulator, Lever. G. A. Carlson. 1,661,652; Mar. 6.
- Sash, Resiliently-mounted window. C. A. Lewis. 1,681,988; Aug. 28.
- Sash stop and pulley guard. J. P. Glaser, L. F. Julien, and H. W. Whitten. 1,665,697; Apr. 10.
- Sash structures, Corner cap for. F. H. Meyer. 1,667,043; Apr. 24.
- Sash support, Window-. C. A. Lewis. 1,670,417; May 22.
- Sash support, Window-. C. A. Lewis. 1,681,987; Aug. 28.
- Sash, Ventilating. C. A. Christianson. 1,685,311; Sept. 25.
- Sash, Ventilating. E. F. McHugh. Re17,090; June 19.
- Sash, Window. R. S. Kelly. 1,695,768; Dec. 18.
- Sash, Window. G. E. Mishoe. 1,669,835; May 15.
- Sash, Window. J. H. Sargent. 1,658,656; Feb. 7.
- Sash, Window. A. C. Vowell. 1,690,087; Oct. 30.
- Sashes, Counterbalancing device for window. N. A. Leren. 1,677,643; July 17.
- Sashes, Mounting for window. C. A. Lewis. 1,676,400; July 10.
- Sashes, Sentinel for window. C. A. Lewis. 1,670,415; May 22.
- Saturator. F. W. Adams. 1,685,078; Sept. 25.
- Saturator and coater, Self-threading. H. A. Cumfer. 1,673,186; June 12.
- Saucer. G. B. Wimsatt. Des. 75,597; June 19.
- Saucer, Cup supporting and covering. B. F. Smith. 1,688,992; Oct. 23.
- Sausage and other skins, Manufacture of artificial. F. Schmidt. 1,659,375; Feb. 14.
- Sausage casing. R. Ettlinger. 1,676,082; July 3.
- Sausage-casing frame. R. Ettlinger. 1,680,286; Aug. 14.
- Sausage-linking machine. J. K. Macomber. 1,674,785; June 26.
- Sausage-linking machine. H. E. Pfeiffer. 1,687,691; Oct. 16.
- Sausage mills, Grindstone attachment for. G. E. Perdue. 1,664,896; Apr. 3.
- Sausage skins, Manufacturing artificial. J. Samuel. 1,656,681; Jan. 17.
- Saving device and container. Life. P. Miller, jr. 1,670,631; May 22.
- Savings bank. A. R. Martine. 1,655,390; Jan. 3.
- Savings bank, Novelty. R. Simon and D. C. Butts. 1,655,199; Jan. 3.
- Savings clock. C. Bauknecht. 1,655,888; Jan. 10.
- Saw. W. H. Bath. 1,675,486; July 3.
- Saw. J. F. Brown. 1,689,618; Oct. 30.
- Saw. H. B. Howard. 1,673,075; June 12.
- Saw. M. S. Lee. 1,675,565; July 3.
- Saw. J. A. Luethemeyer and J. Wieberg. 1,656,490; Jan. 17.
- Saw. G. R. Vander Wee. 1,690,803; Nov. 6.
- Saw. G. C. Voss. 1,694,150; Dec. 4.
- Saw and slab kicker, Combination trimming. W. M. Eddins. 1,677,958; July 24.
- Saw and square, Combination. W. V. Dorsaneo. 1,679,933; Aug. 7.
- Saw and square, Combination. A. A. Neilson. 1,685,721; Sept. 25.
- Saw and square, Combination. A. L. Searle. 1,658,175; Feb. 7.
- Saw attachment for the ends of moldboards. J. M. Larsh. 1,668,850; May 8.
- Saw attachment for tractors. O. M. Crumly. 1,696,527; Dec. 25.
- Saw blades, Apparatus for testing. A. Swing. 1,656,452; Jan. 17.
- Saw blades, plane knives, and similar tools, Tempering. P. and K. Hudstadt. 1,662,517; Mar. 13.
- Saw-brazing clamp. J. E. Ricker, C. A. Person, and E. P. and H. W. Armstrong. 1,687,696; Oct. 16.
- Saw, Bone. W. F. Wells. 1,684,815; Sept. 18.
- Saw card. W. L. Hancock. 1,688,418; Oct. 23.
- Saw, Chain. S. J. Bens. 1,655,856; Jan. 10.
- Saw, Chain. L. C. Field. 1,667,347; Apr. 24.
- Saw, Circular. O. H. Hildreth. 1,687,448; Oct. 9.
- Saw clamp. A. Clemensen. 1,657,854; Jan. 31.
- Saw, Coping. F. P. Maxson. 1,665,317; Apr. 10.
- Saw-dressing device. J. H. Roberts. 1,692,997; Nov. 27.
- Saw, Electric hand. W. P. Casey. 1,674,003; June 19.
- Saw, Electrically-driven circular. W. S. Thomson. 1,679,103; July 31.
- Saw, Endless crosscut. R. Kirby. 1,671,295; May 29.
- Saw-filing guide. J. A. Hugus. 1,676,188; July 3.
- Saw-filing machine. F. E. Collier. 1,674,853; June 26.
- Saw-filing machine. H. B. Foley. 1,668,361; May 1.
- Saw for plaster casts, Surgeon's safety. J. W. Kahlen. 1,687,773; Oct. 16.
- Saw frame, Hack-. A. Egan. 1,695,231; Dec. 11.
- Saw frame, Hack-. C. R. Garner. 1,663,076; Mar. 20.
- Saw, Gang. E. P. Armstrong. 1,679,595; Aug. 7.
- Saw guard. H. A. Hall. 1,690,817; Nov. 6.
- Saw guard. P. E. Hussey. 1,687,670; Oct. 16.
- Saw guard. A. D. Ward. 1,662,372; Mar. 13.
- Saw guide, Tilting. F. E. Collier. 1,666,087; Apr. 17.
- Saw, Hack. D. E. Gommel. 1,665,090; Apr. 3.
- Saw handle. R. C. Charlton. 1,690,054; Oct. 30.
- Saw, Ice. D. M. King. 1,694,221; Dec. 4.
- Saw, Ice. S. E. Kurtz. 1,672,893; June 12.
- Saw jointer. O. St. Clair and B. R. Watson. 1,690,707; Nov. 6.
- Saw machine, Reciprocating. C. A. Moran. 1,685,239; Sept. 25.
- Sawmill. C. H. Turner. 1,665,001; Apr. 3.
- Sawmill carriages, Dog-operating mechanism and knee cushion for. J. M. Brophy. 1,660,118; Feb. 21.
- Sawmill edgers, Attachment for. L. R. Foreman. 1,686,966; Oct. 9.
- Saw, Portable bench. F. M. Henkel. 1,695,188; Dec. 11.
- Saw, Power. R. M. Kennedy. 1,669,941; May 15.
- Saw, Power-driven butcher. F. Farrell. 1,661,217; Mar. 6.
- Saw, Pruning. A. E. Kness. 1,674,206; June 19.
- Saw-rig attachment for tractors. T. G. Mueller, A. R. Buchholz, P. O. Dallmann, G. C. Moerschel, W. C. Dallmann, H. J. Kujawski, and W. H. Schmidt. 1,691,581; Nov. 13.
- Saw rig, Portable. J. P. Anthony. 1,656,311; Jan. 17.
- Saw, Rotary. J. A. Smith. 1,661,774; Mar. 6.
- Saw set. G. Anderson. 1,670,705; May 22.
- Saw set. G. Anderson. 1,670,949; May 22.
- Saw set. R. R. Faulconer and W. E. Faulconer. 1,676,013; July 3.
- Saw set. E. G. Hallstrom. 1,655,951; Jan. 10.
- Saw-sharpening machines, Support for circular. P. C. Shirla. 1,658,691; Feb. 7.
- Saw, Stone. O. Burkhardt. 1,662,488; Mar. 13.
- Saw swage. E. P. Armstrong. 1,657,735; Jan. 31.
- Saw tooth. P. L. Billingsley. 1,666,987; Apr. 24.
- Saw tooth. W. H. B. Perry. 1,657,481; Jan. 31.
- Saw tooth, Detachable. D. F. McGovern. 1,690,544; Nov. 6.
- Saw, Tubular. T. J. Wojnowski and J. Jachtly. 1,669,273; May 8.
- Sawing device. P. L. Billingsley. Re17,087; Sept. 25.
- Sawing device, Slug-. G. L. Curie. 1,662,638; Mar. 13.
- Sawing machine. L. R. Heston and A. L. Anderson. 1,690,111; Nov. 6.
- Sawing machine. H. C. Hilke. 1,680,331; Aug. 14.
- Sawing machine. A. C. Jacobson. 1,660,710; Feb. 28.
- Sawing machine. W. B. Stone. 1,666,632; Apr. 17.
- Sawing machine, Shake-. G. Loken. 1,673,084; June 12.
- Sawing machine, Stone-. E. A. Chase. 1,695,364; Dec. 18.
- Sawing machine, Stone-. F. R. Patch. 1,685,863-4; Oct. 2.
- Sawing mechanism adapted to operate with rotating material. K. Baumann. 1,655,588; Jan. 10.
- Sawing wire. R. D. Green. 1,687,089; Oct. 9.
- Saws, End-matcher trim gauge for. W. Fetz. 1,656,819; Jan. 17.
- Saws, Lumber-returning device for rip. E. C. Loetscher. 1,661,767; Mar. 6.
- Saws, Safety guard for rip. J. H. Wulf. 1,681,832; Aug. 21.
- Sawyer's indicator for sawmill log carriages. F. C. Mavis and G. B. Sampaio. 1,683,909; Sept. 11.
- Saxophone. A. J. Hilton. 1,685,129; Sept. 25.
- Saxophone. A. J. Johnson. 1,690,862; Nov. 6.

- Saxophone. H. J. Waters. 1,683,219; Sept. 4.
Saxophone cord. A. S. Lang. 1,665,745; Apr. 10.
Saxophone-player's stand. A. Lentaty. 1,661,805; Mar. 6.
Scaffold. P. L. Bottoms. 1,673,862; June 19.
Scaffold. S. L. Elder. 1,669,329; May 8.
Scaffold. F. Hoffmann and C. Lamour. 1,668,116; May 1.
Scaffold. F. B. Johnston. 1,663,131; Mar. 20.
Scaffold. G. W. Urmon. 1,660,693; Feb. 28.
Scaffold hanger. M. Powers. 1,655,562; Jan. 10.
Scaffold jack, Adjustable. L. Bash. 1,685,445; Sept. 25.
Scaffold, Window. B. A. Fort. 1,663,279; Mar. 20.
Scaffold, Window. N. Stramaglia. 1,665,991; Apr. 10.
Scaffold, Window. S. G. Swanlund. 1,691,678; Nov. 13.
Scaffolds, Platform support for suspended. T. Corbett. 1,658,670; Feb. 7.
Scaffolds, Safety device for. F. Jovien. 1,667,788; May 1.
Scalding poultry, Apparatus for. W. C. Barrier. 1,692,365; Nov. 20.
Scale. J. W. Bryce. 1,661,555-6; Mar. 6.
Scale. J. W. Bryce. 1,669,853; May 15.
Scale. H. M. Cameron. 1,659,389; Feb. 14.
Scale. R. Craig. 1,656,267; Jan. 17.
Scale. W. N. Gilbert. 1,655,500; Jan. 10.
Scale. N. A. Hallwood. 1,690,196; Nov. 6.
Scale. F. B. Hamblin. 1,684,957; Sept. 18.
Scale. G. Hutchinson. 1,674,971; June 26.
Scale. J. B. Kelly. 1,664,217; Mar. 27.
Scale. L. R. Lackey. 1,668,774; May 8.
Scale. J. S. Ogsbury. 1,672,277; June 5.
Scale. L. S. Shively. 1,660,820; Feb. 28.
Scale. O. Smith. 1,659,641; Feb. 21.
Scale. W. S. Smith. 1,676,295; July 10.
Scale. W. S. Smith. 1,682,355; Aug. 28.
Scale. W. F. Stimpson. 1,654,620; Jan. 3.
Scale. W. F. Stimpson. 1,659,123; Feb. 14.
Scale. W. F. Stimpson and W. E. Finch. 1,662,403; Mar. 13.
Scale. D. W. Stubbs. 1,670,597; May 22.
Scale. R. B. Wasson. 1,657,139; Jan. 24.
Scale and adjusting, Beam. J. E. Seederer. 1,672,735; June 5.
Scale and chart therefor. J. E. Rogers. 1,676,052; July 3.
Scale and corrosion detector. C. W. Rice. 1,683,489; Sept. 4.
Scale, Beam. W. F. Stimpson. 1,689,976; Oct. 30.
Scale casing. H. A. Hadley. Des. 76,300; Sept. 11.
Scale casing. B. W. King. Des. 74,179; Jan. 3.
Scale casing. N. Tatham. Des. 76,505; Oct. 2.
Scale casing and platform, Combined. H. M. and A. J. Jacobs. Des. 75,119; May 8.
Scale casing, Weighing. G. F. Hochriem. Des. 76,480; Oct. 2.
Scale, Coin-controlled ticket printing and delivering. G. F. Hochriem. 1,677,827; July 17.
Scale, Coin-controlled weighing. H. O. Hem. 1,685,779; Oct. 2.
Scale, Coin-operated weighing. H. O. Hem. 1,675,975; July 3.
Scale, Computing. W. R. Mittendorf. 1,672,951-2; June 12.
Scale, Computing. E. G. Thomas. 1,656,454; Jan. 17.
Scale, Computing. C. F. M. van Berkel. 1,695,620; Dec. 18.
Scale, Counter. H. M. Cameron. 1,683,861; Sept. 11.
Scale, Counting. W. B. Paulson. 1,660,089; Feb. 21.
Scale, Cylinder. C. H. Hapgood. 1,667,889; May 1.
Scale, Even-balance-indicating. H. C. Schaper. 1,666,314; Apr. 17.
Scale for dispensing apparatus. J. A. Loughrin. 1,671,432; May 29.
Scale frame. O. C. Reeves. Des. 76,152; Aug. 21.
Scale frame. W. S. Smith. Des. 74,331-2; Jan. 24.
Scale frame. W. S. Smith. Des. 74,456; Feb. 14.
Scale-hopper bottom. D. W. Ripley. 1,680,570; Aug. 14.
Scale indicator. O. A. Johnson. 1,694,658; Dec. 11.
Scale, Leaf-spring type, Weighing. M. J. Weber. 1,692,102; Nov. 20.
Scale mechanism. M. H. Hansen. 1,682,506; Aug. 28.
Scale mechanism, Weighing. C. O. Marshall. 1,675,944; July 3.
Scale, Method and apparatus for removing. W. B. Nelson. 1,655,020; Jan. 3.
Scale, Pendulum. W. N. Gilbert. 1,661,534; Mar. 6.
Scale, Platform. M. H. Hansen. 1,660,838; Feb. 28.
Scale, Predetermined-weight. C. H. Hapgood. 1,663,983; Mar. 27.
Scale, Predetermined-weight. H. O. Hem. 1,660,673; Feb. 28.
Scale, Predetermined-weight. E. G. Thomas. 1,671,260; May 29.
Scale, Self-registering and ticket-distributing personal-weighing. J. Nobs. 1,638,552; Oct. 23.
Scale, Station. S. Loewe. 1,685,426; Sept. 25.
Scale-testing device. H. O. Hem. 1,660,672; Feb. 28.
Scale, Track. A. Bousfield. 1,685,978; Oct. 2.
Scale, Weighing. F. H. Chapman. 1,663,973; Mar. 27.
Scale, Weighing. C. H. Hapgood. 1,656,435; Jan. 17.
Scale, Weighing. C. H. Hapgood. 1,667,891; May 1.
Scale, Weighing. C. H. Hapgood. 1,671,286; May 29.
Scale, Weighing. H. O. Hem. 1,654,648; Jan. 3.
Scale, Weighing. H. O. Hem. 1,663,985; Mar. 27.
Scale, Weighing. H. O. Hem. 1,667,893-4; May 1.
Scale, Weighing. H. O. Hem. 1,675,976; July 3.
Scale, Weighing. H. O. Hem. 1,685,780; Oct. 2.
Scale, Weighing. J. Hopkinson. 1,657,083; Jan. 24.
Scale, Weighing. J. Hopkinson. 1,680,683; Aug. 14.
Scale, Weighing. S. N. Hurt. 1,663,986; Mar. 27.
Scale, Weighing. S. N. Hurt. 1,686,750; Oct. 9.
Scale, Weighing. O. Malcher. 1,690,123; Nov. 6.
Scale, Weighing. L. A. Osgood. 1,660,681; Feb. 28.
Scale, Weighing. F. A. Schmitz. 1,686,770; Oct. 9.
Scale, Weighing. T. H. Strachan. 1,669,428; May 15.
Scale, Weighing. T. H. Strachan. 1,690,258; Nov. 6.
Scale, Weighing. C. G. Strubler. 1,664,003; Mar. 27.
Scale, Weighing. J. L. Theobald. 1,667,909; May 1.
Scale, Weighing. E. G. Thomas. 1,685,790; Oct. 2.
Scale, Weighing. F. Trott. 1,661,241; Mar. 6.
Scale, Weighing. L. C. Wetzel. 1,685,793; Oct. 2.
Scale, Weighing. L. C. Wetzel. 1,686,779; Oct. 9.
Scale, Weight-indicating. H. C. Schaper. 1,689,753; Oct. 30.
Scale with automatic hopper, Far-distant weighing. L. L. Foss. 1,659,319; Feb. 14.
Scale with micrometer mechanism, Azimuth. T. A. Conlon. 1,665,656; Apr. 10.
Scales, Attachment for weight-recording. G. F. Hochriem. 1,677,826; July 17.
Scales, Check for weighing. T. H. Strachan. 1,668,029; May 1.
Scales, Coin-slot closure for. G. F. Hochriem. 1,662,642; Mar. 13.
Scales, Indicating mechanism for weighing. C. O. Marshall. 1,660,679; Feb. 28.
Scales, Rain guard for track. M. H. Starr. 1,668,826; May 8.
Scales, Recording mechanism for weighing. A. F. K. Ygger. 1,672,141; June 5.
Scales, Weight-adjusting mechanism for weighing. G. F. Hochriem. 1,666,655; Apr. 17.
Scalp comb. O. O. Olson. 1,686,981; Oct. 9.
Scalp-treating appliance. T. S. Harris. 1,664,168; Mar. 27.
Scalper. J. J. Varusky. 1,685,512; Sept. 25.
Scalp, Reclaiming attachment for. J. J. Varusky. 1,690,513; Nov. 6.
Scaff. M. S. Wagner. 1,663,893; Mar. 27.
Scaff. Knit. A. F. Goetze. 1,666,819; Apr. 17.
Scaff or similar article, Table. J. Derk. Des. 76,459; Oct. 2.
Scaff, Table. J. Derk. Des. 74,557; Feb. 28.
Scaff, Table. J. Derk. Des. 76,342; Sept. 18.
Scarifier tooth. C. E. Gilbert. 1,685,196; Sept. 25.
Scavenging device for double-acting two-stroke internal-combustion engines. G. J. Lagt. 1,663,638; Mar. 27.
Scenic setting for store display. B. L. Stein and F. Kaplan. Des. 75,936; July 31.
Schedule indicator. J. B. Dargavel. 1,689,818; Oct. 30.
Scissors and shears. H. N. James. 1,666,968; Apr. 24.
Scissors and shears, Combined. O. Altenbach. 1,681,691; Aug. 21.
Scissors, Electrically-operated. J. F. Mings and O. W. Freeman. 1,680,627; Aug. 14.
Scissors for barbers, Power-driven. C. E. Kelliher. 1,687,212; Oct. 9.
Scissors, Pair of. A. F. Ern. Des. 77,223; Dec. 18.
Scissors, shears, and like implement. J. H. C. Boyd. 1,671,569; May 29.
Scoop. Air. S. B. Warren. 1,691,218; Nov. 13.
Scoop, Earth. P. H. Hiscock. 1,691,153; Nov. 13.
Scoop, Ice-cream. G. T. Parr. 1,688,595; Oct. 23.
Scoop, Ice-cream. E. W. Werner. 1,687,813; Oct. 16.
Scoop or shovel, Snow. G. L. Crossman and A. P. Nason. 1,678,135; July 24.
Scoop, Pie. F. Possinger. Des. 75,187; May 15.
Scoop, Tractor. T. H. Daly. 1,673,866; June 19.
Scoop, Wheeled-tractor. A. J. Bond. 1,658,629; Feb. 7.
Scooter. F. H. Headley. 1,664,858; Apr. 3.
Scooter. K. S. McFarlan. 1,666,827; Apr. 17.
Scooter. R. Rutherford. 1,664,864; Apr. 3.
Scooter or coaster. E. E. Fisher. 1,689,916; Oct. 30.
Scooter, side car, and wagon, Combined. R. J. Mandery. 1,679,045; July 31.
Scooter, Snow and ice. W. V. Lindroos. 1,681,297; Aug. 21.
Scooter, Toy seat. E. V. Babbitt. Des. 76,339; Sept. 18.
Score board, Radio football. G. D. Nelson. 1,687,033; Oct. 9.
Score card, Baseball. J. Grundy. 1,680,609; Aug. 14.
Score device. E. Deister, Jr. 1,683,242; Sept. 4.
Scoring apparatus. W. W. Spargo. 1,663,781; Mar. 27.
Scoring mechanism, Veneer-log. H. C. Breidenbach. 1,691,897; Nov. 13.
Scouring ball. R. B. Kingman. 1,689,207; Oct. 30.
Scouring device. S. Applin. 1,658,153; Feb. 7.
Scouring device. S. Applin. 1,679,392; Aug. 7.
Scouring device. J. J. Brell. 1,689,769; Oct. 30.
Scouring device. J. J. Brell. 1,692,244; Nov. 20.
Scouring device. R. B. Kingman. 1,663,132; Mar. 20.
Scouring device. R. B. Kingman. 1,686,863; Oct. 9.
Scouring device. W. H. Robbins. Des. 74,189; Jan. 3.
Scouring device. N. I. Stark and J. Sauer. 1,678,962; July 31.
Scouring implement. J. D'Albora. 1,677,174; July 17.
Scouring machine for washing fabrics of wool and their mixtures. F. C. Planell. 1,665,977; Apr. 10.
Scouring pad. R. B. Kingman. 1,659,977; Feb. 21.

- Scouring roll. R. E. O'Connor. 1,655,287; Jan. 3.
 Scouring-soap cake. R. B. Kingman. 1,686,864; Oct. 9.
 Scow. R. E. Ellis. 1,661,529; Mar. 6.
 Scrap-bunch machine. R. E. Rundell. 1,672,503; June 5.
 Scraper. S. Alexander. 1,696,561; Dec. 25.
 Scraper. F. E. Arndt. 1,679,393; Aug. 7.
 Scraper. C. E. and S. H. Ball. 1,657,602; Jan. 31.
 Scraper. P. Basmalson. 1,659,801; Feb. 21.
 Scraper. C. E. Davis. 1,686,148; Oct. 2.
 Scraper. O. Fanberg. 1,685,399; Sept. 25.
 Scraper. J. H. Hale. 1,685,487; Sept. 25.
 Scraper. C. Johnson. 1,686,816; Oct. 9.
 Scraper. C. Larson. 1,666,334; Apr. 17.
 Scraper. N. Madson. 1,680,156; Aug. 7.
 Scraper. F. C. McIntire. 1,669,480; May 15.
 Scraper. R. W. Olson. 1,689,747; Oct. 30.
 Scraper. B. E. Rose and G. Woolwine. Re17,044; July 17.
 Scraper. J. J. Stillwaggon. 1,678,488; July 24.
 Scraper. C. H. White. 1,685,385; Sept. 25.
 Scraper and dresser, Meat-block. M. M. Menzel. 1,667,329; Apr. 24.
 Scraper and joiner, Combination. R. Zinn. 1,682,545; Aug. 28.
 Scraper bowls, Extension for. J. and W. H. Adams. 1,662,732; Mar. 13.
 Scraper-control mechanism. C. P. Renaud. 1,672,541; June 5.
 Scraper, Drag. W. J. Slavin. 1,693,353; Nov. 27.
 Scraper, Floor. A. W. Abrahamsen. 1,670,646; May 22.
 Scraper, Floor. E. L. Harrington. 1,694,417; Dec. 11.
 Scraper, Flue. W. J. Baker. 1,656,465; Jan. 17.
 Scraper for harrows, Disk. W. R. Peterson. 1,669,947; May 15.
 Scraper for ice-cream dishers. C. O. Mook. 1,667,734; May 1.
 Scraper for rotary filters. A. L. Genter. 1,678,639; July 31.
 Scraper for wringers. H. L. Morin. 1,672,824; June 5.
 Scraper-loading device. C. E. Davis. 1,686,147; Oct. 2.
 Scraper or similar article, Bread-board. O. Henninger. Des. 75,495; June 12.
 Scraper, Pile. L. C. Fenn. 1,680,372; Aug. 14.
 Scraper, Road. J. B. Bartholomew. 1,663,581; Mar. 27.
 Scraper, Road. T. L. Duffield. 1,695,635; Dec. 18.
 Scraper, Road. W. Hulse. 1,681,855; Aug. 21.
 Scraper, Road. C. J. Moritz. 1,672,497; June 5.
 Scraper, Road. R. L. Nelson. 1,660,806; Feb. 28.
 Scraper, Road. W. A. Nicholson. 1,681,873; Aug. 21.
 Scraper, Road. R. E. Stewart. 1,667,173; Apr. 24.
 Scraper, Sand-green. J. W. Ferguson. 1,678,695; July 31.
 Scraper, Snow. P. A. Crombie, jr. 1,690,886; Nov. 6.
 Scraper, Tractor. W. K. McMillan. 1,682,137; Aug. 28.
 Scraper, Tractor-driven. V. P. Marran. 1,692,750; Nov. 20.
 Scraper, Wheeled. P. C. Anderson. 1,692,018; Nov. 20.
 Scrapers, Self-dumping attachment for road. H. T. Shipley. 1,680,574; Aug. 14.
 Scraping apparatus, Road-. W. A. Coad. 1,654,636; Jan. 3.
 Scraping device. M. Mernit. 1,660,134; Feb. 21.
 Scraping machine, Floor-. J. T. Simpson. 1,688,759; Oct. 23.
 Sreed and ground, Visible strip. A. Duffield and G. P. Morris. 1,668,842; May 8.
 Sreed chair. L. R. Owen and O. E. Whiteman. 1,690,993; Nov. 6.
 Screen: See—
 Automobile screen. Projecting screen.
 Filtering screen. Pulp screen.
 Fireplace screen. Roller screen.
 Fish screen. Rotary screen.
 Fly screen. Spray screen.
 Folding screen. Ventilating screen.
 Grinding-mill screen. Vibrating screen.
 Grizzly screen. Vibratory screen.
 Headlight antiglare screen. Water screen.
 Insect screen. Well screen.
 Oil-pump screen. Window screen.
 Picture screen. Windshield screen.
 Screen. A. Ashkenas. Des. 74,958; Apr. 24.
 Screen. J. Bland. Re17,173; Dec. 25.
 Screen. A. L. Felde. 1,695,371; Dec. 18.
 Screen. A. Herz. 1,694,706; Dec. 11.
 Screen. A. Mayer. 1,685,823; Oct. 2.
 Screen. P. Mueller. 1,655,474; Jan. 10.
 Screen. J. H. Park. 1,666,580; Apr. 17.
 Screen. F. J. Plym. 1,665,475; Apr. 10.
 Screen. C. A. Shogren. 1,693,822; Dec. 4.
 Screen and conveyer, Combined shaker. J. B. Whitnall. 1,661,781; Mar. 6.
 Screen and forming the metal frame thereon, Metal-framed half-tone. F. H. Hausleiter. 1,667,517; Apr. 24.
 Screen and making same, Adjustable. T. M. Vaughan. 1,656,875; Jan. 17.
 Screen apparatus, Conveyer and sifting-. F. M. Kolberg. 1,654,590; Jan. 3.
 Screen attachment for windows. A. Haftel. 1,660,225; Feb. 21.
 Screen bracket, Rolling-. J. Reuther. 1,671,545; May 29.
 Screen cleaner. L. O. Corkran. 1,687,428; Oct. 9.
 Screen construction, Rolling-window-. H. Dixon. 1,680,092; Aug. 7.
 Screen conveyer, Endless. J. W. Silver. 1,657,414; Jan. 24.
 Screen-decentering device. H. O. Berg. 1,680,585; Aug. 14.
 Screen device for casement windows. A. W. Wentzell. 1,684,121; Sept. 11.
 Screen for a room. G. S. O'Connor. Des. 74,518; Feb. 21.
 Screen for a room, Folding. H. L. Kratz. Des. 76,246; Sept. 4.
 Screen for gasoline lamps, Insectproof. J. W. Rucker. 1,670,523; May 22.
 Screen for paper making. I. L. Laird. 1,675,612-13; July 3.
 Screen for picture projection. E. R. Hewitt. 1,676,553; July 10.
 Screen for projection machines, Translucent. E. A. Troeger. 1,672,631; June 5.
 Screen for screening pulp and paper stock, Rotary. E. W. Lindquist. 1,694,622; Dec. 11.
 Screen for separating almonds and hulls. T. J. Craig and A. L. Scofield. 1,667,194; Apr. 24.
 Screen for sun cures. L. Gussalli. 1,654,874; Jan. 3.
 Screen for telephones. C. Fischer. 1,675,846; July 3.
 Screen for telephones or the like. E. L. Dunand. 1,693,709; Dec. 4.
 Screen for vehicle window frames. H. H. Hager. 1,685,587; Sept. 25.
 Screen for windows of automobiles. L. B. Hinman. 1,684,027; Sept. 11.
 Screen frame. J. E. Sodergren. 1,683,421; Sept. 4.
 Screen-frame stock, Method of and apparatus for manufacturing. A. T. Brennan. 1,661,714; Mar. 6.
 Screen guard. C. E. Kaufman. 1,668,019; May 1.
 Screen-holding clip. W. C. Anderson. 1,681,925; Aug. 28.
 Screen or plate for producing same, Rotary. W. C. Bruton. 1,694,498; Dec. 11.
 Screen pipe. R. A. Steps. 1,654,618; Jan. 3.
 Screen pipe with slots disposed in circular areas. J. H. McEvoy, jr. 1,657,130; Jan. 24.
 Screen-setting apparatus. J. D. Adams. 1,685,971; Oct. 2.
 Screen, strainer, and the like, Mechanical. S. Milne. 1,670,473; May 22.
 Screen structure. W. W. Miller. 1,661,003; Feb. 28.
 Screening apparatus. F. W. Brackett. 1,684,305; Sept. 11.
 Screening apparatus. S. D. Robins. 1,693,940; Dec. 4.
 Screening device. F. J. Becker. 1,680,243; Aug. 7.
 Screening fluids, Method and apparatus for. F. L. Allen. 1,685,621; Sept. 25.
 Screening machine. J. O. Bowmaster. 1,685,018; Sept. 18.
 Screening machine, Paper and pulp. E. B. Fritz. 1,685,809; Oct. 2.
 Screening mechanism. E. Deister. 1,685,942; Oct. 2.
 Screening pulp and the like, Apparatus for. R. E. Wagner. 1,669,029; May 8.
 Screening wet material, Method and apparatus for. J. Credo. 1,669,973; May 15.
 Screens for color photography, Apparatus for producing. J. H. Powrie. 1,682,415; Aug. 28.
 Screens for motor-propelled vehicles, Apparatus for cleaning wind-. J. F. Monnot. 1,656,921; Jan. 24.
 Screens, Guide construction for. H. Dixon. 1,665,775; Apr. 10.
 Screens, Making. S. B. Stine. 1,658,064; Feb. 7.
 Screens, Making woven-wire. A. E. Helman. 1,678,941; July 31.
 Screens, Side extension for window. H. R. Ellis. 1,696,081; Dec. 18.
 Screens, System for vibrating industrial. C. S. Weyandt. 1,655,482; Jan. 10.
 Screw-down mechanism for rolling mills. W. C. Coryell. 1,695,274; Dec. 18.
 Screw driver. B. F. Canode. 1,686,681; Oct. 9.
 Screw driver. C. F. Fink. 1,688,181; Oct. 16.
 Screw driver. G. Perrault. 1,678,124; July 24.
 Screw driver. A. S. Pinkus. 1,687,788; Oct. 16.
 Screw driver. P. F. Schaffer. 1,658,658; Feb. 7.
 Screw driver. B. W. Sweet. 1,679,185; July 31.
 Screw driver. L. V. Walkley. 1,677,572; Jan. 17.
 Screw driver. W. D. Weaver. 1,665,240; Apr. 10.
 Screw driver and the like, Revolving-grip. F. G. Post. 1,683,484; Sept. 4.
 Screw-driver attachment. N. H. Stone. 1,659,671; Feb. 21.
 Screw driver, Duplex. P. E. Borklund. 1,695,949; Dec. 18.
 Screw-driving machine. G. C. Brown and G. F. McNulty. 1,683,815; Sept. 11.
 Screw-driving machine. C. A. Johnson. 1,673,362; June 12.
 Screw expansion and method, Drive-. H. W. Pleister. 1,667,268; Apr. 24.
 Screw-feed and rapid-traverse mechanism. R. M. Galloway. 1,690,163; Nov. 6.
 Screw for center bearings for looms. W. E. Crain. 1,677,549; July 17.
 Screw-forming machine. E. Gauthier. 1,691,055; Nov. 13.
 Screw gauge. W. Schaurte. 1,674,875; June 26.
 Screw, Insulated. H. F. Obergfell and J. Erickson. 1,674,258; June 19.
 Screw machine. F. O. Andrews. 1,657,813; Jan. 31.
 Screw machines and the like, Mechanism for operating. G. J. Mayer. 1,688,197; Oct. 16.
 Screw machines, Undercutting attachment for. R. Strindberg. 1,678,924; July 31.
 Screw-making machines, Attachment for. J. E. Schuster. 1,672,783; June 5.

- Screw mechanism for adjustable and reversible pitch propellers. E. G. McCauley. 1,668,971; May 8.
- Screw or nut driving device for portable power-driven rotary tools. A. Levedahl. 1,684,633; Sept. 18.
- Screw pointing and threading machine. J. A. Arenz. 1,694,303; Dec. 4.
- Screw press. R. Craig. 1,665,202; Apr. 10.
- Screw press, Continuous. S. Hiller. 1,696,401; Dec. 25.
- Screw-spike liner. J. A. Bodkin. 1,655,808; Jan. 10.
- Screw, Temper. L. McKillop. 1,677,358; July 17.
- Screw-thread-cutting dies, Tap for forming. J. D. Merrifield. 1,656,597; Jan. 17.
- Screw-thread-cutting taps, Machine for forming. J. D. Merrifield. 1,656,598; Jan. 17.
- Screw-thread tap. H. Steinrück. 1,693,768; Dec. 4.
- Screw threads, Forming. J. D. Merrifield. 1,656,592; Jan. 17.
- Screw threads, Method of and tool for cutting. T. Petersen. 1,656,599; Jan. 17.
- Screw, Workbench-vise. B. F. Briley. 1,689,770; Oct. 30.
- Screws and the like, Apparatus for producing cap. V. Husvar. 1,682,520; Aug. 28.
- Screws, Lock and seal for. F. H. Wood. 1,677,667; July 17.
- Scroll arm for an electric-lighting fixture or similar article. G. E. McFadden. Des. 77,019; Nov. 27.
- Scroll support, Detachable. L. E. Myers. 1,665,272; Apr. 10.
- Scrubber, Tooth. J. Chandler. 1,683,866; Sept. 11.
- Scrubber, Walnut. J. J. Byberg. 1,672,445; June 5.
- Scrubbing and carpet-washing machine. W. L. Keefer. 1,670,934; May 22.
- Scrubbing and drying machine. G. C. Megling. 1,663,056; Mar. 20.
- Scrubbing and drying machine, Electrical. A. Ugolini. 1,661,979; Mar. 6.
- Scrubbing apparatus, Rug and carpet. C. A. Smith, sr. 1,668,255; May 1.
- Scrubbing board. R. L. Sherrod. 1,667,441; Apr. 24.
- Scrubbing machine. W. S. Fennell. 1,694,737; Dec. 11.
- Scrubbing machine, Floor-. W. S. Fennell. 1,685,485; Sept. 25.
- Scrubbing machine, Floor-. F. S. Floeter. 1,694,937; Dec. 11.
- Scum trap. C. C. E. Kersten. 1,695,851; Dec. 18.
- Scupper. E. Sargent. 1,663,777; Mar. 27.
- Scutching machine. J. Van Steenkiste and J. Van Maercke. 1,661,316; Mar. 6.
- Sea crane. R. M. Althouse. 1,659,647; Feb. 21.
- Sea wall and making same. R. M. Miller and H. D. Hodgson. 1,693,311; Nov. 27.
- Sea wall, jetty, and similar structure. H. V. Campbell. 1,691,335; Nov. 13.
- Seal. B. Borland. 1,675,327-8; July 3.
- Seal. J. L. Dinsmoor. 1,679,467; Aug. 7.
- Seal. R. D. Mailey. 1,660,649-50; Feb. 28.
- Seal. C. W. Moore. 1,676,276; July 10.
- Seal and apparatus, Vacuum. O. Minton. 1,683,254; Sept. 4.
- Seal and finishing the same, Bottle. J. O. Haas. 1,685,744; Sept. 25.
- Seal and method, Hermetic. M. Jaeger. 1,671,903; May 29.
- Seal, Car. A. J. Eason. 1,679,963; Aug. 7.
- Seal, Car. L. Q. Moore. 1,688,738-9; Oct. 23.
- Seal, Closure. C. W. Barbour, and L. S. Carson. 1,683,015; Sept. 4.
- Seal, Coping. T. Wight. 1,681,758; Aug. 21.
- Seal for car doors, shipping receptacles, etc. J. J. A. Miller. 1,682,396; Aug. 28.
- Seal for electric devices. A. W. Hull. 1,680,738; Aug. 14.
- Seal for hard glass. W. B. Gero. 1,691,436; Nov. 13.
- Seal for instrument cases. C. T. Wallis. 1,685,580; Sept. 25.
- Seal for metal binders. J. Mallaroni. 1,671,250; May 29.
- Seal for relatively moving parts of ovens, Gas-tight. F. Bartling. 1,679,018; July 31.
- Seal for revolvable-stem valves, Valve. R. S. Clark. 1,691,542; Nov. 13.
- Seal for waste pipe, Water. E. W. Rich. 1,686,926; Oct. 9.
- Seal, Furnace-truck. P. A. Meehan. 1,693,152; Nov. 27.
- Seal, Hermetic. E. Scofield. 1,692,189; Nov. 20.
- Seal, Lead-pipe. W. G. Wilson. 1,682,879; Sept. 4.
- Seal, Liquid. H. V. Atwell. 1,664,963; Apr. 3.
- Seal, Liquid. H. V. Atwell. 1,685,516; Sept. 25.
- Seal, Oil. H. A. Clark. 1,674,762; June 26.
- Seal, Oil-tube water. J. A. Winteroath. 1,677,262; July 17.
- Seal press. C. C. Gibson. 1,679,029; July 31.
- Seal press. A. M. Willard. 1,659,823; Feb. 14.
- Seal, Pressure-controlling liquid. A. L. Browne. 1,682,550; Aug. 28.
- Seal ring, Adjustable. E. C. Hutchinson. 1,682,339; Aug. 28.
- Seal, Well. S. White. 1,682,543; Aug. 28.
- Sealer, Envelope. O. M. Dantzier. 1,691,469; Nov. 13.
- Sealer, Jar. A. M. Holm and C. C. Russ. 1,671,585; May 29.
- Sealer, Silo. A. J. Krebsach. 1,694,016; Dec. 4.
- Sealing and printing device, Envelope. J. A. Nipchild. 1,682,578; Aug. 28.
- Sealing casing head. W. L. McLaine and W. L. Borough. 1,684,678; Sept. 18.
- Sealing construction for tanks. J. Kuhl. 1,673,983-4; June 19.
- Sealing containers. A. Daniels. 1,691,707; Nov. 13.
- Sealing device. F. Perrin. 1,667,563; Apr. 24.
- Sealing device. E. F. Weise. 1,683,640; Sept. 11.
- Sealing device, Bottle-. B. Wood. 1,664,147; Mar. 27.
- Sealing device, Cord-. F. Schaefer. 1,689,691; Oct. 30.
- Sealing device, Dust-. S. J. Maguire. 1,667,896; May 1.
- Sealing device for swinging doors. J. H. Crist. 1,671,349; May 29.
- Sealing expansion joints. E. R. Oden. 1,691,402; Nov. 13.
- Sealing jars and the like containers and improved sealing capsule therefor. J. W. Sutcliffe. 1,661,977; Mar. 6.
- Sealing machine. J. H. Huxley and W. A. Stephens. 1,696,575; Dec. 25.
- Sealing machine, Package-. C. W. Bolgiano. 1,680,009; Aug. 7.
- Sealing machine, Package-. W. A. Uttz, sr. 1,675,196; June 26.
- Sealing means. A. E. Low. 1,678,315; July 31.
- Sealing mechanism for containers. J. Van Buren. 1,677,259; July 17.
- Sealing mechanism for window frames and sashes. H. E. Campbell. 1,666,043; Apr. 10.
- Sealing mechanism for windows, Auxiliary. H. E. Campbell. 1,673,393; June 12.
- Sealing method and mechanism for containers. J. Van Buren. 1,679,591; Aug. 7.
- Sealing of shafts, Gas-tight. R. H. Wiegert. 1,681,075; Aug. 14.
- Sealing of slip-cover cans or containers. G. F. Miller. 1,691,297; Nov. 13.
- Sealing packages, Apparatus for. H. Schwarz. 1,662,341; Mar. 13.
- Sealing press. C. C. Gibson. 1,676,017; July 3.
- Sealing receptacles. G. A. Mower. 1,680,905; Aug. 14.
- Sealing shipping cases. H. R. Bliss. 1,687,747; Oct. 16.
- Seam tube, Solidified. W. K. Herbst and R. H. Stone. 1,677,523; July 17.
- Seamed tube. H. Brucker. 1,670,135; May 15.
- Seamer head. Oval-gear double-. J. O. Malmquist. 1,689,634; Oct. 30.
- Seaming head for can-closing machines. M. M. Sedwick. 1,695,210; Dec. 11.
- Seaming machine. F. E. Clift. 1,660,547; Feb. 28.
- Seaming machine. P. H. Lange. 1,687,943; Oct. 16.
- Seaming machine, Double-. F. Hunter. 1,663,842; Mar. 27.
- Seaming press, Side-. B. J. Lindgren. 1,694,862; Dec. 11.
- Sear mechanism. W. T. Gorton. 1,677,588; July 17.
- Searchlight. F. Kalkner. 1,678,861; July 31.
- Searchlight. C. B. Mills. 1,675,720; July 3.
- Searchlight and mounting therefor, Portable. V. V. Veenschoten. 1,665,803; Apr. 10.
- Searchlight for the guidance or detection of aircraft. E. A. Sperry. 1,669,882; May 15.
- Searchlight mounting. Vehicle. W. Van Guilder. 1,676,750; July 10.
- Searchlight safety mechanism. M. L. Patterson. 1,690,550; Nov. 6.
- Searchlight shutter. F. R. House. 1,686,525; Oct. 9.
- Searchlights, Safety stop for. M. L. Patterson. 1,694,039; Dec. 4.
- Seashore outfit. N. Heller. 1,696,714; Dec. 25.
- Seat: See—
- | | |
|----------------------|-----------------------|
| Adjustable seat. | Nursery seat. |
| Automobile seat. | Self-raising seat. |
| Auxiliary seat. | Swinging seat. |
| Car seat. | Toilet seat. |
| Chair seat. | Tractor seat. |
| Closet seat. | Valve seat. |
| Collapsible seat. | Vehicle seat. |
| Driving seat. | Wagon seat. |
| Emergency seat. | Wall seat. |
| Equalizing-bar seat. | Water-closet seat. |
| Foldable seat. | Window seat. |
| Folding seat. | Window-washer's seat. |
| Locomotive-cab seat. | |
- Seat. C. A. Duke. 1,662,378; Mar. 13.
- Seat. W. E. B. Hasselkus. 1,693,782-3; Dec. 4.
- Seat. A. F. Masury. 1,666,391-2; Apr. 17.
- Seat. A. F. Masury. 1,674,686; June 26.
- Seat. R. C. Wilson. 1,693,770; Dec. 4.
- Seat and bed arrangement for automobiles. C. A. McKenna. 1,673,257; June 12.
- Seat and the like, Automobile. L. Smelker. 1,682,989; Sept. 4.
- Seat back. H. A. Boies. 1,679,238; July 31.
- Seat back. F. H. Gibbs. 1,665,352; Apr. 10.
- Seat back, Auxiliary. C. E. Wheeler and E. W. Goodlett. 1,673,433; June 12.
- Seat construction. L. A. McDowell. 1,676,456; July 10.
- Seat construction. C. E. Stevens. 1,664,835; Apr. 3.
- Seat construction and seat attachment. E. J. Stahl. 1,676,672; July 10.
- Seat construction, Automobile. C. J. Walker and G. F. Trantwein. 1,695,871; Dec. 18.
- Seat construction for automobile bodies, Folding-. F. Bunevac. 1,663,827; Mar. 27.
- Seat construction for automobiles, Front-. H. R. Graham. 1,681,979; Aug. 28.
- Seat construction for baby carriages. H. F. Shaw. 1,682,714; Aug. 28.
- Seat construction for sanitary toilets. E. P. Olsen. 1,668,729; May 8.

- Seat construction, Spring-. F. P. Chesley. 1,663,001; Mar. 20.
- Seat cover. W. L. Fry. 1,681,179; Aug. 21.
- Seat cover, Sanitary. C. Engalitcheff. 1,673,622; June 12.
- Seat-cover support. W. L. Fry. 1,681,180; Aug. 21.
- Seat cushion. H. G. Wedler. 1,695,072; Dec. 11.
- Seat for automobiles, Adjustable. W. J. Rhynier. 1,693,120; Nov. 27.
- Seat for barber chairs and the like. J. L. Smith. 1,660,584; Feb. 28.
- Seat for invalid chairs, Sanitary. C. C. Wilson. 1,691,620; Nov. 13.
- Seat for motor cars and like purposes. H. Austin. 1,681,163; Aug. 21.
- Seat for toilet bowls, Ventilating. C. C. Norris. 1,666,465; Apr. 17.
- Seat for vehicles and the like, Slidable. A. W. Chapman. 1,684,944; Sept. 18.
- Seat frame. F. H. Gibbs. 1,665,351; Apr. 10.
- Seat mount, Resilient. C. Failenberg. 1,664,129; Mar. 27.
- Seat or platform for outside window cleaning. J. A. Renstrom. 1,658,942; Feb. 14.
- Seat structure. G. H. Hamilton and R. A. White. 1,689,024; Oct. 23.
- Seat support, Resilient. M. P. Hansen. 1,668,014; May 1.
- Seating machine, Barrel-head-. J. Miele. 1,679,676; Aug. 7.
- Seats and the like, Back for automobile. S. J. Leach and A. C. Eberle. 1,684,062; Sept. 11.
- Seats, Resilient support for cushion. A. Weickman and C. S. Olmsted. 1,668,473; May 1.
- Secondary battery. J. Vaughan-Sherrin. 1,663,741; Mar. 27.
- Secondary or storage battery. C. Ambruster. 1,675,321; July 3.
- Secondary or storage battery. B. Ford. 1,657,252; Jan. 24.
- Secondary rack. W. D. Kyle. 1,686,215; Oct. 2.
- Secrecy system, Plural-channel. R. A. Heising. 1,666,651; Apr. 17.
- Section liner. E. R. Inman. 1,694,385; Dec. 11.
- Sectional furnace. H. Cowies and J. K. Norris. 1,660,786; Feb. 28.
- Sectional pole. A. Cruickshanks. 1,662,884; Mar. 20.
- Sectional wheel. A. Meldrum. 1,684,552; Sept. 18.
- Securing device for fan pulleys and the like. B. D. Hays. 1,688,708; Oct. 23.
- Securing device. J. V. Sundquist. 1,690,041; Oct. 30.
- Securing means. W. A. Beauchamp and W. W. Darrow. 1,660,470; Feb. 28.
- Securing mechanism, Loose-leaf-. R. F. Power. 1,677,461; July 17.
- Securing or clamping means for lock cylinders. J. S. Lach. 1,684,230; Sept. 11.
- Securing plate glass, Device for. C. G. Nelson. 1,693,046; Nov. 27.
- Securing together pieces of material, Device for. J. B. Mattingly. 1,691,775; Nov. 13.
- Sediment remover. A. E. Jones. 1,660,336; Feb. 28.
- Sediment separator. H. Cohn. 1,658,040; Feb. 7.
- Seed and grain distributor. R. Bergerioux. 1,682,735; Sept. 4.
- Seed bag. R. Baldwin. 1,693,266; Nov. 27.
- Seed catcher, Weed-. R. D. Heller. 1,659,105; Feb. 14.
- Seed-celling apples, Method of and apparatus for. J. W. Pease. 1,683,481; Sept. 4.
- Seed cleaner. C. A. Balcorn. 1,668,448; May 1.
- Seed-corn butt and tipper. W. Wiegand. 1,658,958; Feb. 14.
- Seed-corn grader. I. C. Hoffman. 1,655,422; Jan. 10.
- Seed dropper. R. V. Barry. 1,688,067; Oct. 16.
- Seed, Removable emanation. J. Muir. 1,688,245; Oct. 16.
- Seed-sowing machine. P. J. Hase. 1,657,393; Jan. 24.
- Seed-treating machine. C. C. Calkins. 1,690,718; Nov. 6.
- Seeder. T. Richards. 1,665,042; Apr. 3.
- Seeder, Fruit. A. S. Plovman. 1,676,413; July 10.
- Seeders, Control mechanism for cotton-gin. T. Elliott. 1,688,616; Oct. 23.
- Seeding implement. C. J. Allen. 1,696,562; Dec. 25.
- Seeding machine. C. E. Brower and C. N. Hines. 1,676,130; July 3.
- Seeds and other bodies, Method and apparatus for separating. H. R. Warren. Re17,003; June 19.
- Seeds, Making emanation. J. Muir. 1,655,156; Jan. 3.
- Seeds to augment their cultural value, Treating. A. C. Bennett. 1,678,418; July 24.
- Seesaw. F. F. Buhr and J. S. Carlson. 1,656,692; Jan. 17.
- Seesaw. T. C. Molsdale. 1,695,737; Dec. 18.
- Seesaw. C. A. Pendleton. 1,681,993; Aug. 28.
- Seesaw. H. A. Young and A. T. Shakeshaft. 1,662,875; Mar. 20.
- Segregator, Spurious-coin. J. H. Mann, jr. 1,685,551; Sept. 25.
- Seine net and bottom dragnet with trapping wings, Combined. C. Hansen and P. Loth. 1,692,830; Nov. 27.
- Seine, Pot. L. Hanken. 1,667,700; Apr. 24.
- Seismo vibrometer. K. L. Kithil. 1,669,135; May 8.
- Seismo vibrometer. K. L. Kithil. 1,672,892; June 12.
- Selecting machine for dictating the punching of holes in Jacquard cards. W. W. Hodgson. 1,666,900; Apr. 24.
- Selecting mechanism. E. C. Walter. 1,668,256; May 1.
- Selector. F. F. C. Rippon. 1,683,491; Sept. 4.
- Selector switch. D. C. Crowe. 1,659,627; Feb. 21.
- Selector switch. H. W. Goff. 1,655,056; Jan. 3.
- Selector switch. J. F. Hearn. 1,689,340; Oct. 30.
- Selector switch. G. K. Hess. 1,655,059; Jan. 3.
- Selector switch. D. H. King, F. J. Dowd, and C. W. Stevens. 1,656,916; Jan. 24.
- Selector tab. R. N. Fellows. 1,659,137; Feb. 14.
- Self-aligning bearing structure and making same. C. Claus. 1,664,189; Mar. 27.
- Self-cleaning comb. G. A. Meyer. 1,670,161; May 15.
- Self-closing bag. L. F. Randolph. 1,689,453; Oct. 30.
- Self-feeding lubricator. E. Martin. 1,696,774; Dec. 25.
- Self-locking box. H. D. Morton. 1,686,338; Oct. 2.
- Self-raising seat. B. J. Dever. 1,695,800; Dec. 18.
- Selvage-opening device. H. C. Smith. 1,677,303; July 17.
- Semaphore and the like for automobiles. J. Beehy. 1,682,951; Sept. 4.
- Semaphore, Electric. E. E. Burson and L. J. Meller. 1,669,597; May 15.
- Semaphoric indicator. W. P. Dalrymple. 1,686,735; Oct. 9.
- Semiflash boiler. C. A. French, and G. W. Engstrom. 1,696,892; Dec. 25.
- Semitrailer. C. H. Land, jr. Re17,132; Nov. 13.
- Semitrailer, Vertical support for. S. B. Winn. 1,660,663; Feb. 28.
- Sensitized screen and making same. G. I. Keel. 1,675,561; July 3.
- Separating and cleaning mica, Method of and apparatus for. L. McCarthy. 1,695,383; Dec. 18.
- Separating and cotton-cleaning machine, Boll-. J. E. Mitchell. 1,658,731; Feb. 7.
- Separating and feeding means. J. Peyser. 1,670,377; May 22.
- Separating apparatus. C. Bourges. 1,695,362; Dec. 18.
- Separating apparatus. F. F. Pease. 1,694,666; Dec. 11.
- Separating associated liquids. C. W. McKibben. 1,691,578; Nov. 13.
- Separating eggs, Apparatus for. J. G. Dow. 1,692,931; Nov. 27.
- Separating intermixed divided materials, Mechanism and process for. K. Davis. 1,695,369; Dec. 18.
- Separating liquid from pulp fibers, Apparatus for. J. T. Hoyt. 1,685,084; Sept. 25.
- Separating liquids of different gravity, Apparatus for. W. Linnemann, jr. 1,655,191; Jan. 3.
- Separating liquids of different specific gravity and means therefor. W. G. P. Lumsden. 1,690,741; Nov. 6.
- Separating liquids of different specific gravities, Apparatus for. W. Linnemann, jr. 1,671,115; May 29.
- Separating machine. T. F. Morse. 1,675,572; July 3.
- Separating machine, Centrifugal. K. J. Svensson and K. A. P. Norling. 1,683,424; Sept. 4.
- Separating machine, Cotton-. R. E. Wilson. 1,680,712; Aug. 14.
- Separating machine, Dry-. R. W. Arms. 1,695,569; Dec. 18.
- Separating material. F. B. MacLaren. 1,657,405; Jan. 24.
- Separating or classifying machine. W. A. Riddell. 1,661,501; Mar. 6.
- Separating or classifying machine. W. A. Riddell. 1,683,918; Sept. 11.
- Separating sheets, Apparatus for. H. W. Kranz, W. R. Edwards, and J. Lukes. 1,670,815; May 22.
- Separating solids, Apparatus for. S. R. Puryear. 1,695,021; Dec. 11.
- Separating solids from liquids, Apparatus for. R. F. Krall. 1,695,193; Dec. 11.
- Separating substances, Process of and apparatus for. J. L. Hope. 1,693,033; Nov. 27.
- Separating the alloys of silver with other precious or base metals, Electrolytically. R. Carl. 1,687,056; Oct. 9.
- Separating various constituents from mixed materials and apparatus for accomplishing said separation. P. H. Royster and W. W. Odell. 1,663,863; Mar. 27.
- Separation and liquefaction of gases. W. S. Bowen. 1,694,308; Dec. 4.
- Separation apparatus and process. A. R. Silverston. 1,689,536; Oct. 30.
- Separation of alumina from alum. G. S. Tilley. 1,686,112; Oct. 2.
- Separation of finely-divided materials, Electrical. G. A. Overstrom. 1,679,740; Aug. 7.
- Separation of materials of different specific gravities. T. M. Chance. 1,685,521; Sept. 25.
- Separation of mono- and dialkyl derivatives of aromatic amines. W. Flemming and H. Klein. 1,695,372; Dec. 18.
- Separation of subdivided materials, Effecting the. R. F. Grant, E. B. Worthington, and W. L. Jacobus. 1,669,820; May 15.
- Separation vat. J. T. Travers. 1,672,583; June 5.
- Separator. See—
- Air separator.
- Battery separator.
- Bean separator.
- Centrifugal separator.
- Cotton separator.
- Cream separator.
- Disk separator.
- Fluid separator.
- Gas separator.
- Grain separator.
- Liquid separator.
- Magnetic separator.
- Material separator.
- Metallurgical separator.
- Milk and cream separator.
- Oil and gas separator.
- Oil separator.
- Ore separator.
- Receiver separator.
- Sediment separator.

- Separator: See—
Spiral separator. Vacuum air separator.
Storage-cell-plate separa-
tor.
- Separator. P. Amet. 1,687,603; Oct. 16.
Separator. R. C. Benner. 1,677,512; July 17.
Separator. H. E. Boyrie. 1,686,066; Dec. 2.
Separator. C. V. Fuqua and J. H. Richa. 1,661,284; Mar. 6.
Separator. C. G. Hawley. 1,684,021; Sept. 11.
Separator. H. B. Lindley. 1,673,835; June 19.
Separator. W. M. Little and J. L. Sherman. 1,663,411; Mar. 20.
Separator. C. Offenhauser. 1,682,535; Aug. 28.
Separator. C. A. Pilant. 1,695,156; Dec. 11.
Separator. A. R. Rogers. 1,694,724; Dec. 11.
Separator and extracting extraneous material from a fluid stream. J. M. Hopwood. 1,674,780; June 26.
Separator and heater. Fluid. F. E. Lammert. 1,679,090; July 31.
Separator and making the same. W. S. Gould and W. B. Osborne. 1,666,007; Apr. 10.
Separator and plate holder. F. E. Hollen. 1,668,404; May 1.
Separator and separating extraneous material from fluids. H. A. Otto. 1,674,790; June 26.
Separator attachment, Cream-. G. W. Lewis. 1,689,837; Oct. 30.
Separator bowls and the like, Apparatus for cleaning. E. A. Forsberg. 1,668,955; May 8.
Separator for corncobs and the like. C. C. Truax. 1,685,732; Sept. 25.
Separator for the electrodes of electrolytic cells. J. L. Woodbridge. 1,666,762; Apr. 17.
Separator for warp stop motions. W. H. Wakefield. 1,683,215; Sept. 4.
Separators and cleaners, One-fan combined dust-collecting and air-supply system for pneumatic. H. M. Sutton, W. L. Steele, and E. G. Steele. 1,676,969; July 10.
Separators, Control apparatus for centrifugal. F. W. McIntire. 1,675,947; July 3.
Separators, Eccentric mechanism for. T. J. Sturtevant. 1,673,342; June 12.
Separators, Resilient suspension means for screen. J. F. Isbell. 1,673,148; June 12.
Septic tank. J. Frappy. 1,677,626; July 17.
Septic tank. J. P. Thurell. 1,695,217; Dec. 11.
Septic tank. R. C. Webb. 1,660,697; Feb. 28.
Septic tank. F. E. Wilson. 1,655,639; Jan. 10.
Series switch, Multiple-. V. R. Despard. 1,669,372; May 8.
Serum and producing the same. C. Leventis. 1,676,995; July 10.
Serum and producing the same, Antitubercular. C. Leventis. 1,676,997; July 10.
Serum from blood, Device for collecting. A. de Avila. 1,653,157; Feb. 7.
Serum, Gland. C. Leventis. 1,676,996; July 10.
Server, Combination food. P. H. Bendero. Des. 76,909; Nov. 20.
Server for slices of bread and the like. W. Van Sickle. 1,677,938; July 24.
Server of household articles. J. O. Naslin. 1,677,404; July 17.
Service board, Foldable. E. W. Cummings. 1,692,930; Nov. 27.
Service indicator, Automobile. J. P. Stevens and G. A. C. Bailey. 1,693,828; Dec. 4.
Service table. J. M. Athans. 1,676,017; July 31.
Serving device. B. H. Allen. 1,695,628; Dec. 18.
Serving food and drink. M. S. Weaver. 1,665,289; Apr. 10.
Serving mechanism. J. N. Selvig. 1,672,991; June 12.
Servo-brake. H. Pieper. 1,661,624; Mar. 6.
Settee frame or similar article. C. Bauer. Des. 74,710-11; Mar. 20.
Settee frame or similar article. C. Bauer. Des. 75,711-14; July 10.
Settee frame or similar article. C. Bauer. Des. 76,175-6; Aug. 28.
Settee frame or similar article. C. Bauer. Des. 76,280-83; Sept. 11.
Settee frame or similar article. C. Bauer. Des. 76,449-50; Oct. 2.
Settee frame or similar article. C. Bauer. Des. 77,282-6; Dec. 25.
Settee frame or similar article. C. T. Graham. Des. 76,475; Oct. 2.
Settee frame or similar article. J. M. Hansen. Des. 76,749; Oct. 30.
Settee or similar article. O. A. Anderson. Des. 75,459; June 12.
Settee or similar article. O. A. Anderson. Des. 75,540; June 19.
Setting gauge. Universal. P. M. Heinz. 1,661,944; Mar. 6.
Setting structure for lumber kilns and the like. J. M. Aarons. 1,679,197; July 31.
Setting up skittle pins, Apparatus for. H. Schwarz. 1,695,209; Dec. 11.
Settling chamber. W. E. Doughty. 1,657,112; Jan. 24.
Setwork. E. C. Shaw. 1,671,049; May 22.
Severing and assembling machine, Buckle-strap. E. E. Clements. 1,687,479; Oct. 9.
Severing apparatus. G. A. Seeley. 1,656,243; Jan. 17.
Severing device, Coconut-. O. W. Brown. 1,671,887; May 29.
Sewage and analogous liquids, Purifying. A. V. De Laporte, F. A. Dallyn, and F. R. Manuel. 1,658,974; Feb. 14.
Sewage and industrial waste, Process of and material for treating. J. T. Travers. 1,672,584-5; June 5.
Sewage and industrial waste, Purifying. J. T. Travers. 1,672,587; June 5.
Sewage distributor. J. W. Hartley. 1,660,488; Feb. 28.
Sewage, System and apparatus for. G. G. Smith. 1,695,669; Dec. 18.
Sewage treatment with the aid of a screen acting like a filter. K. Imhoff. 1,696,846; Dec. 25.
Sewage treatments, Method of and apparatus for dealing with floating sludge in digestion chambers for. K. Imhoff and F. Fries. 1,690,682; Nov. 6.
Sewer catch basin. E. W. Firth. 1,664,853; Apr. 3.
Sewer construction. G. F. Egan. 1,693,977-8; Dec. 4.
Sewer construction and method therefor. R. F. Petersen. 1,673,637; June 12.
Sewer flusher, Automatic. C. R. Lion. 1,677,352; July 17.
Sewer-inlet device. G. M. Kelley. 1,659,364; Feb. 14.
Sewer inlet, Storm-. W. E. Keeble and A. Gunselmann. 1,654,886; Jan. 8.
Sewing. M. Von Halle. 1,682,362; Aug. 28.
Sewing and edging machine. K. Maier. 1,687,377; Oct. 9.
Sewing machine. F. Baker. 1,657,989; Jan. 31.
Sewing machine. W. H. Baynard. 1,658,915; Feb. 14.
Sewing machine. A. Eppler. 1,683,659-60; Sept. 11.
Sewing machine. N. E. Hanson. 1,679,357; Aug. 7.
Sewing machine. H. Jänisch. 1,656,978; Jan. 24.
Sewing machine. J. Kiewicz. 1,696,438; Dec. 25.
Sewing machine. W. B. Long and N. E. Hanson. 1,655,066; Jan. 3.
Sewing machine. E. H. Marble. 1,667,326; Apr. 24.
Sewing machine. F. W. Merrick. 1,666,177; Apr. 17.
Sewing machine. J. R. Oliver. 1,688,938; Oct. 23.
Sewing machine. W. J. Steere. 1,677,932; July 24.
Sewing machine. H. G. Tomich. 1,672,353; June 5.
Sewing machine. L. E. Topham. 1,679,753; Aug. 7.
Sewing machine. V. Turner and A. H. Lomax. 1,661,023; Feb. 28.
Sewing machine. R. B. Woodcock. 1,689,846; Oct. 30.
Sewing-machine attachment. A. G. Kay. 1,683,078; Sept. 4.
Sewing-machine attachment, Fur-. A. Schwartz. 1,680,433; Aug. 14.
Sewing machine, Automatic glove-. O. G. Schmitt. 1,669,785; May 15.
Sewing machine, Bag-. F. J. Thull. Re16,944; Apr. 24.
Sewing-machine-bobbin winder. H. M. Stephenson. 1,681,559; Aug. 21.
Sewing machine, Button-. R. L. Lyons. 1,654,593; Jan. 3.
Sewing machine, Button-. R. L. Lyons. 1,671,197; May 29.
Sewing machine, Button-. R. L. Lyons. 1,691,246; Nov. 13.
Sewing machine, Button-. R. L. Plumley. 1,671,124; May 29.
Sewing machine, Buttonhole-. A. F. Carlson. 1,694,093; Dec. 4.
Sewing machine, Buttonhole-. J. Kiewicz. 1,696,893; Dec. 25.
Sewing machine, Buttonhole-. G. Müller. 1,675,508; July 3.
Sewing machine, Chain-stitch. R. Becker. 1,684,004; Sept. 11.
Sewing machine, Filled-bag-. N. V. Christensen. 1,675,450; July 3.
Sewing machine, Hat-welt-edge-. J. T. Dowdall. 1,668,057; May 1.
Sewing machine, Inseam-. E. I. La Chapelle. 1,692,453; Nov. 20.
Sewing machine, Motor-driven. M. Hemleb. 1,661,824; Mar. 6.
Sewing-machine outfit, Electric. F. Diehl. 1,657,882-3; Jan. 31.
Sewing machine, Overedge. J. Berger. 1,663,488-9; Mar. 20.
Sewing machine, Post-type. C. H. Wilkes. 1,670,920; May 22.
Sewing machine, Shoe-. T. E. and M. C. McLaughlin. 1,685,854; Oct. 2.
Sewing machine, Shoe-. J. H. Reed. 1,688,056; Oct. 16.
Sewing-machine table. E. Geissler. 1,669,464; May 15.
Sewing machine, Two needle overedge. R. W. Redin. 1,659,443; Feb. 14.
Sewing machine, Wax-thread. A. Eppler. 1,658,190; Feb. 7.
Sewing machine, Wax-thread. A. R. Morrill. 1,683,689; Sept. 11.
Sewing machine, Welt-. J. R. Oliver. 1,667,046; Apr. 24.
Sewing machine with several needles. W. Brase. 1,676,853; July 10.
Sewing machines and the like, Stop motion for. F. A. Reece. 1,669,912; May 15.
Sewing machines, Attachment for. L. M. Rabinowitz. 1,695,607; Dec. 18.
Sewing machines, Attachment for. A. Sawers. 1,692,094; Nov. 20.

- Sewing machines, Electroliner for. A. Müller. 1,661,260; Mar. 6.
- Sewing machines, Feeding device for book-. E. B. Pierce. 1,662,897; Mar. 20.
- Sewing machines, Feeding mechanism for. J. Berger. 1,663,490; Mar. 20.
- Sewing machines, Feeding mechanism for. C. W. Mueller. 1,678,191; July 24.
- Sewing machines, Horn for. C. Burrier. 1,672,707; June 5.
- Sewing machines, Lighting attachment for. R. F. List. 1,655,850; Oct. 2.
- Sewing machines, Looper mechanism for. J. R. Moffatt. 1,681,901; Aug. 21.
- Sewing machines, Looper support for. J. M. Biddle. 1,681,458; Aug. 21.
- Sewing machines, Power table for. G. M. Eames and I. F. Webb. 1,681,896; Aug. 21.
- Sewing machines, Presser mechanism for. A. B. Clayton. 1,675,696; July 3.
- Sewing machines, Stop mechanism for. R. A. Gramse. 1,677,673; July 17.
- Sewing machines, Stopping mechanism for shoe-. J. Adrain. 1,674,234; June 19.
- Sewing machines, Thread-controlling mechanism for. R. Becker. 1,680,721; Aug. 14.
- Sewing machines, Thread-controlling mechanism for. J. R. Moffatt. 1,689,957; Oct. 30.
- Sewing machines, Thread cutter for. C. Jebb. 1,680,992; Aug. 14.
- Sewing machines, Thread-measuring mechanism for. J. H. Reed. 1,688,057; Oct. 16.
- Sewing machines to stick a cold-process tape on shoes to reinforce same, Attachment for utilizing shoe-. B. Pashigian and H. J. Gallant. 1,695,605; Dec. 18.
- Sewing machines, Trimming mechanism for. J. Berger. 1,663,491; Mar. 20.
- Sewing machines, Work support for button-. R. L. Lyons. 1,655,067; Jan. 3.
- Sewing set. M. E. Hakky. Des. 75,423; June 5.
- Shackle antirattle attachment, Spring-. H. E. Blomgren. 1,684,724; Sept. 18.
- Shackle bushing, Adjustable spring-. E. R. Gregory. 1,657,501; Jan. 31.
- Shackle construction. J. F. Wallace. 1,688,841; Oct. 23.
- Shackle dolly, Adjustable. W. R. Hodges. 1,681,854; Aug. 21.
- Shackle, Oilless spring. R. Henry. 1,692,837; Nov. 27.
- Shackle, Spring. A. C. Bally. 1,695,943; Dec. 18.
- Shackle, Spring. R. H. Chilton. 1,683,330-4; Sept. 4.
- Shackle, Spring. C. T. Dickey. 1,671,764; May 29.
- Shackle, Spring. J. W. Watson. 1,682,586; Aug. 28.
- Shackle, Vehicle spring. L. C. Cattoi. 1,671,668; May 29.
- Shackle, Vehicle spring. T. F. Ferry. 1,688,180; Oct. 16.
- Shade. E. R. Kimball. 1,687,982; Oct. 16.
- Shade. W. von Nessen. Des. 77,138; Dec. 4.
- Shade. W. S. Shaft. 1,663,819; Mar. 27.
- Shade and awning for automobile and other windows, Adjustable. J. G. Hedrick and C. H. Neusils. 1,681,585; Aug. 21.
- Shade and curtain bracket. E. M. Bailey. 1,688,223; Oct. 16.
- Shade and curtain fixture. W. H. Lamberson. 1,657,017; Jan. 24.
- Shade and curtain hanger, Window. W. W. Mullendore. 1,663,090; Mar. 20.
- Shade and drapery support, Combined window. G. F. Mallory. 1,676,403; July 10.
- Shade and globe holder. T. J. Nelson. 1,674,446; June 19.
- Shade and lace-curtain support, Window-. J. D. Hannah. 1,682,079; Aug. 28.
- Shade apparatus, Window-. T. S. Catlin. 1,666,990; Apr. 24.
- Shade bracket. A. Morin. 1,696,050; Dec. 18.
- Shade cleaner, Window. H. Schurr. 1,677,252; July 17.
- Shade, Collapsible lamp. D. C. Cruse. 1,673,665; June 12.
- Shade construction, Lamp. E. G. Patterson. 1,675,514; July 3.
- Shade-cord holder. W. J. Foster. 1,665,953; Apr. 10.
- Shade for a lighting fixture or a similar article. J. A. Boehringer. Des. 75,095; May 8.
- Shade for automobile headlights. E. Molnar. 1,687,256; Oct. 9.
- Shade for reading lights, Lamp. A. G. Carey. 1,667,623; Apr. 24.
- Shade, Glare. W. A. Simmons. 1,684,418; Sept. 18.
- Shade holder. L. H. Levinson. 1,664,516; Apr. 3.
- Shade holder. C. C. Wanbaugh. 1,660,734; Feb. 28.
- Shade holder for candles. D. M. Stewart. 1,664,001; Mar. 27.
- Shade holder or similar article. J. A. Boehringer. Des. 74,539; Feb. 28.
- Shade, Lamp. L. Albino. Des. 77,144; Dec. 11.
- Shade, Lamp. J. Chitra. 1,662,362; Mar. 13.
- Shade, Lamp. E. L. Dunand. 1,672,485; June 5.
- Shade, Lamp. H. Grobman. Des. 77,153; Dec. 11.
- Shade, Lamp. S. Sato. 1,677,660; July 17.
- Shade, Lamp. C. F. Stallbaum. Des. 77,041; Nov. 27.
- Shade, Lamp. E. B. Wilson. 1,665,617; Apr. 10.
- Shade, Lamp. M. B. Wunder. Des. 76,214; Aug. 28.
- Shade, Lamp. A. Zilincar. 1,659,420; Feb. 14.
- Shade, Lighting-fixture. A. J. D. Ohm. Des. 75,867; July 24.
- Shade, Lighting-fixture. R. Williamson. Des. 76,213; Aug. 28.
- Shade mounting. A. Bostrom. 1,655,087; Jan. 3.
- Shade mounting. C. H. Tilton. 1,662,217; Mar. 13.
- Shade operator, Window-. O. W. Bach. 1,660,701; Feb. 28.
- Shade or similar article, Light. N. Kopp. Des. 77,320; Dec. 25.
- Shade or similar article, Lighting-fixture. N. Kopp. Des. 77,319; Dec. 25.
- Shade, Ornamental wooden lamp. N. Y. Kedrow. 1,655,272; Jan. 3.
- Sewing machines, Thread cutter for. G. W. Bell. Shade pull, Window-. A. A. Pich. Des. 75,645; June 26.
- Shade raiser. G. Pagano. 1,693,457; Nov. 27.
- Shade, Reflecting lamp. P. A. Bredsvold. Des. 75,148; May 15.
- Shade roller. M. Curtis. 1,694,969; Dec. 11.
- Shade roller. J. Goodman and W. A. Somers. 1,681,767; Aug. 21.
- Shade roller. B. Kaczmariski. 1,664,627; Apr. 3.
- Shade-roller and curtain-rod support. F. Szczesny and T. Jakubowski. 1,660,212; Feb. 21.
- Shade-roller construction. J. K. Tomlinson. 1,688,563; Oct. 23.
- Shade-roller mounting. C. P. Freeston. 1,686,208; Oct. 2.
- Shade-roller support. H. F. Buchheit. 1,668,140; May 1.
- Shade-roller support, Adjustable. R. E. Pippin. 1,659,834; Feb. 21.
- Shade support for lamps. J. J. Foley. 1,692,772; Nov. 20.
- Shade-supporting adapter for lamps. P. Acker. 1,664,843; Apr. 3.
- Shade-supporting bracket. J. L. Montgomery. 1,665,929; Apr. 10.
- Shade, Ventilating sun. W. J. Tate. 1,661,709; Mar. 6.
- Shade, Window. F. A. Neveu. 1,683,844; Sept. 11.
- Shade, Window. A. D. Sears. 1,692,707; Nov. 20.
- Shades, reflectors, or the like, Holder for. L. C. Doane. 1,662,853; Mar. 20.
- Shades, Securing draw sticks in window. E. Reukaut, jr. 1,678,534; July 24.
- Shaft and bearing support for electric motors, Rotor. A. Arutunoff. 1,654,774; Jan. 3.
- Shaft bearing. W. J. Chievitz. 1,683,594; Sept. 11.
- Shaft connection, Flexible. J. Zubaty. 1,680,000; Aug. 7.
- Shaft coupling. J. F. Curtis. 1,654,680; Jan. 3.
- Shaft coupling. J. M. Dillon. 1,682,895; Sept. 4.
- Shaft coupling. C. F. Dowrie. 1,669,931; May 15.
- Shaft coupling. W. E. Ellis and H. R. Geiger. 1,658,786; Feb. 7.
- Shaft coupling. F. Fisher. 1,671,521; May 29.
- Shaft coupling. F. J. Heideman. 1,660,195; Feb. 21.
- Shaft coupling. C. A. Hirth. 1,660,792; Feb. 28.
- Shaft coupling. A. Martin. 1,661,226; Mar. 6.
- Shaft coupling. L. Rieger. 1,665,895; Apr. 10.
- Shaft coupling. M. Treschow. 1,672,398; June 5.
- Shaft coupling, Flexible. G. M. Bartlett. 1,676,242; July 10.
- Shaft coupling, Flexible. G. Fast. 1,666,445; Apr. 17.
- Shaft coupling, Flexible. W. E. Lewis. 1,682,576; Aug. 28.
- Shaft coupling, Flexible. W. E. Sykes. 1,683,999; Sept. 11.
- Shaft coupling, Flexible. C. O. Thomas. 1,675,065; June 26.
- Shaft, Flexible. R. M. Gaston. 1,678,335; July 24.
- Shaft for golf clubs and the like. H. G. Barrett. 1,690,266; Nov. 6.
- Shaft for golf clubs and the like. C. B. Sippel. 1,688,473; Oct. 23.
- Shaft furnace, Making glass in a. K. Künzel. 1,676,267; July 10.
- Shaft holdfast. G. E. Brent. 1,672,601; June 5.
- Shaft mechanism for the slay of looms, Crank-. H. Wolff. 1,678,238; July 24.
- Shaft mounting, Worm-. L. Berge. 1,672,195; June 5.
- Shaft or rod and the like and producing same, Built-up. T. Wensel. 1,688,569; Oct. 23.
- Shaft, Rewind. J. A. Cameron. 1,670,607; May 22.
- Shaft, Sectional or link. W. Schürmann. 1,678,709; July 31.
- Shaft to speedometer, Connection of flexible. J. Zubaty. 1,694,761; Dec. 11.
- Shafting, Spinning. J. J. Keyser. 1,684,919; Sept. 18.
- Shafts, connecting rods, and the like, Making. F. Faudi. 1,693,838; Dec. 4.
- Shafts in paper-feeding machines, Device for adjustably controlling the location of roller. A. L. Foster. 1,686,488; Oct. 2.
- Shafts, Reversing device for working. G. Bauer. 1,682,593; Aug. 28.
- Shaker, Combination salt and pepper. S. D. Greene. Des. 75,364; May 29.
- Shaker, Combination salt and pepper. A. J. Scott. 1,678,487; July 24.
- Shaker, Combined salt and pepper. A. J. Flauder. Des. 74,924; Apr. 17.
- Shaker for salt and pepper or similar article of manufacture. J. L. Drucklieb. Des. 76,127; Aug. 21.
- Shaker mechanism in agricultural devices. J. T. Ashton. 1,682,733; Sept. 4.
- Shaker or similar article. H. L. Budd. Des. 76,285; Sept. 11.

- Shaker or similar article, Salt and pepper. J. W. Jennings. Des. 75,915-19; July 31.
- Shaker or similar article, Salt or pepper. J. W. Jennings. Des. 76,931-9; Nov. 20.
- Shaker, Salt. J. R. Seabright. 1,682,804; Sept. 4.
- Shaker, Salt and pepper. H. N. Baney. Des. 75,998; Aug. 14.
- Shaker, Salt and pepper. A. J. Flauder. Des. 75,906-7; July 31.
- Shaker, Salt or pepper. A. F. Reilly. Des. 76,889; Nov. 13.
- Shampooing apparatus. D. N. Trickey. 1,660,107; Feb. 21.
- Shank. J. M. Ozee. 1,674,658; June 26.
- Shank for turn shoes. J. R. Bindner. 1,686,791; Oct. 9.
- Shape-retaining device for hats. S. Left. 1,695,290; Dec. 18.
- Shaper. F. W. Parker. 1,679,541; Aug. 7.
- Shaping and finishing machine, Automatically-operating paper-box. I. A. Deline. 1,677,386; July 17.
- Shaping articles out of stone. H. C. Degner. 1,658,371; Feb. 7.
- Shaping device. L. Wetmore. 1,665,870; Apr. 10.
- Shaping machine, Collar. J. Harris. 1,677,771; July 17.
- Shaping machine for irregular forms. S. E. Boynton. 1,691,429; Nov. 13.
- Shaping machine having constant power traverse. W. F. Zimmermann. 1,665,398; Apr. 10.
- Shaping machine, Shank-. L. B. Pope and M. F. Mann. 1,669,144; May 8.
- Shaping machine with variable-power traverse. W. F. Zimmermann. 1,685,659; Sept. 25.
- Shaping mechanism. J. Gouldbourn, and R. B. Woodcock. 1,658,841; Feb. 14.
- Shaping teacups or the like with integral handles. J. Bailey. 1,677,611; July 17.
- Sharpener. W. H. Swartz. 1,672,547; June 5.
- Sharpener for razor blades, Magnetic. T. G. Lovegrove. 1,683,981; Sept. 11.
- Sharpener for slicing machines. R. W. Bachman. 1,671,217; May 29.
- Sharpener, Harrow-disk. T. Fox. 1,665,954; Apr. 10.
- Sharpener, Knife. R. G. Geller. Des. 75,619; June 26.
- Sharpener, Knife. G. A. Graves. 1,678,698; July 31.
- Sharpener, Lawn-mower. J. H. Groetsch. 1,677,556; July 17.
- Sharpener, Lawn-mower. G. Kelly. 1,668,913; May 8.
- Sharpener, Pencil. B. Dougan. 1,682,169; Aug. 28.
- Sharpener, Pencil. H. P. Tevonian. 1,688,840; Oct. 23.
- Sharpener, Pencil. H. L. Wittstein. Des. 74,336; Jan. 24.
- Sharpener, Razor-blade. J. L. Hildebrand. 1,654,649; Jan. 3.
- Sharpener, Razor-blade. C. L. James. 1,694,544; Dec. 11.
- Sharpener, Razor-blade. W. W. Upington. 1,676,209; July 3.
- Sharpener, Scissors. F. Ortleib. 1,660,206; Feb. 21.
- Sharpener, Shears. G. Jarboe. 1,684,866; Sept. 18.
- Sharpener vise, Shear-. F. Eaton. 1,681,763; Aug. 21.
- Sharpening and facet-cutting machine, Graver. J. W. Lees. 1,675,981; July 3.
- Sharpening apparatus. W. T. Bradley. 1,666,678; Apr. 17.
- Sharpening block for racing skates. R. D. Corke. 1,666,993; Apr. 24.
- Sharpening device, Pencil-. G. H. Schmidt. 1,672,429; June 5.
- Sharpening machine, Lawn-mower-. W. C. Krenz. 1,657,757; Jan. 31.
- Sharpening machine, Metal-. H. J. Gaisman and C. Schumacher. 1,674,774; June 26.
- Sharpening machine, Saw-. B. Rudloff. 1,679,377; Aug. 7.
- Sharpening machines, Feed-finger-actuating device for saw-. E. C. Filstrup. 1,674,243; June 19.
- Sharpening mechanism, Drill-. F. M. Lee. 1,680,248-9; Aug. 7.
- Sharpening steels, Guard for knife-. P. D. Callum. 1,667,282; Apr. 24.
- Sharpening the points of pencils, Device for. R. M. Catá. 1,694,581; Dec. 11.
- Shaving combination. R. L. Cleary. 1,677,954; July 24.
- Shaving comport. P. A. Bailey. 1,659,800; Feb. 21.
- Shaving implement. J. Schick. 1,690,133; Nov. 6.
- Shaving pad. N. A. Hagman. 1,674,510; June 19.
- Shaving plane. F. J. Stephan. 1,681,018; Aug. 14.
- Shaving-soap cake and holder therefor. B. Ogden. 1,667,045; Apr. 24.
- Shaving stick. H. Lowenfeld. 1,681,355; Aug. 21.
- Shaving-stick holder. H. W. Ansell. Des. 75,460; June 12.
- Shaving-stick holder. R. G. Matthews. 1,654,693; Jan. 3.
- Shawl. E. Holenstein. Des. 74,671; Mar. 13.
- Shawl, Spanish. J. Tanner. Des. 75,298; May 22.
- Shear. H. C. Ralston. 1,662,473; Mar. 13.
- Shearing, Apparatus and method of. L. Iversen. 1,680,048; Aug. 7.
- Shearing device, Hand-operated. A. H. F. Perl and R. H. Carter. 1,666,832; Apr. 17.
- Shearing flange. J. J. Goodwin and R. L. Parr. 1,655,693; Jan. 10.
- Shearing fur pelts. G. J. Laemmle. 1,661,483; Mar. 6.
- Shearing machine. J. Monforts. 1,661,617; Mar. 6.
- Shearing machine. A. Parys. 1,663,092; Mar. 20.
- Shearing machine. A. Rhodes. 1,690,503; Nov. 6.
- Shearing machine, Fabric-. J. Monforts. 1,678,572; July 24.
- Shearing machine, Fur-. F. W. Horstmann. 1,681,918; Aug. 21.
- Shearing machine, Fur-. M. S. Newman. 1,665,217; Apr. 10.
- Shearing machines, Feeding mechanism for fur. F. W. Horstmann. 1,681,917; Aug. 21.
- Shearing machines, Work-feeding mechanism for. A. J. Bates, Jr. 1,691,264; Nov. 13.
- Shearing, Method and apparatus for. A. P. Bark and L. Johnson. 1,657,295; Jan. 24.
- Shears-See-
- | | |
|----------------|------------------------|
| Animal shears. | Metal shears. |
| Bloom shears. | Motor shears. |
| Cable shears. | Multiple cloth shears. |
| Flying shears. | Pruning shears. |
| Hand shears. | Sheep shears. |
- Shears. C. A. Kopp. 1,693,301; Nov. 27.
- Shears. J. J. Seme. 1,656,923; Jan. 24.
- Shears. J. Voleske. 1,689,648; Oct. 30.
- Shears. H. G. R. Vulliet and F. A. H. Deschâtres. Re17,139; Nov. 20.
- Shears. C. H. Wilkes and G. E. Calhoun. 1,660,286; Feb. 21.
- Shears. C. H. Wilkes and G. E. Calhoun. 1,662,772; Mar. 13.
- Shears for cutting blocks or bars. A. Nöhl. 1,686,392; Oct. 2.
- Shears for cutting jar rings and similar circular washers. H. A. Lonsway. 1,691,980; Nov. 20.
- Sheath for cable connection to electric-iron plugs. G. Browning. 1,669,409; May 15.
- Sheath for flexible shafts, Protective. G. Riefenstahl. 1,684,554; Sept. 18.
- Sheathing board, Apparatus for making lap-edged plaster. C. R. Birdsey. 1,676,318; July 10.
- Sheaths for cores, Joining. W. S. Yale. 1,656,258; Jan. 17.
- Sheave block. J. M. Meany and H. D. Norris. 1,681,947; Aug. 28.
- Sheave block, Safety. W. H. McKissick. 1,662,320; Mar. 13.
- Sheave block, Safety. W. H. McKissick. 1,671,435; May 29.
- Sheave support. P. K. Reed. 1,687,892; Oct. 16.
- Shed-forming machine with paper pattern cards. H. Stäubli. 1,672,434; June 5.
- Shedding mechanism. G. Hannah. 1,660,963; Feb. 28.
- Shedding mechanism. A. C. Rife. 1,676,870; July 10.
- Sheep shears. F. G. Evans. 1,691,341; Nov. 13.
- Sheep shears. F. W. Scott. 1,692,870; Nov. 27.
- Sheet and tin plate catcher, Mechanical. D. G. Davies and F. T. Rundell. 1,692,888; Nov. 27.
- Sheet conveyor and delivery mechanism. R. S. Dalton. 1,672,846; June 5.
- Sheet delivery and stacking mechanism. G. W. Swift, Jr. 1,657,595; Jan. 31.
- Sheet-delivery device. W. H. Smith. 1,662,647; Mar. 13.
- Sheet detector. S. A. Comiskey. 1,688,789; Oct. 23.
- Sheet detector and stop. A. Broadmeyer. 1,664,057; Mar. 27.
- Sheet-drawing apparatus. E. T. Ferngren. 1,684,437; Sept. 18.
- Sheet-drawing apparatus, Plurality-. E. T. Ferngren. 1,670,247; May 15.
- Sheet-edge block. J. L. Drake. 1,688,529; Oct. 23.
- Sheet feeding and driving means. C. L. Post. 1,664,640; Apr. 3.
- Sheet feeding and severing mechanism. J. P. Aldrich. 1,659,069; Feb. 14.
- Sheet-feeding apparatus. E. L. Smith. 1,656,084; Jan. 10.
- Sheet-feeding machine. C. E. Christophei. 1,666,165; Apr. 17.
- Sheet-feeding mechanism. W. M. Kelly. 1,664,929; Apr. 3.
- Sheet-feeding mechanisms, Air-control device for air-operated. C. W. Tremper. 1,665,723; Apr. 10.
- Sheet-flattening means. A. E. Fowle. 1,670,146; May 15.
- Sheet folding. H. K. King. 1,693,147; Nov. 27.
- Sheet-forming apparatus. J. L. Drake. 1,688,528; Oct. 23.
- Sheet-forming machine. C. E. Dellenbarger. 1,684,436; Sept. 18.
- Sheet glass. E. H. Hobbie. 1,669,663; May 15.
- Sheet-glass apparatus. N. Mambourg. 1,692,673; Nov. 20.
- Sheet-glass down flow apparatus. J. C. Blair. 1,692,615; Nov. 20.
- Sheet glass, Method and apparatus for forming. J. A. Reece. 1,692,702; Nov. 20.
- Sheet-handling mechanism. P. A. Gollnick. 1,666,171; Apr. 17.
- Sheet holder, Expandible loose. J. Eifel. 1,682,667; Aug. 28.
- Sheet material. E. Hopkinson. 1,660,924; Feb. 28.
- Sheet material and incorporating the same in a covering structure. T. J. Mell. 1,655,872; Jan. 10.
- Sheet material and making and mounting the same. T. J. Mell. 1,677,284; July 17.
- Sheet material, Composite. W. R. Seigle. 1,690,079; Oct. 30.
- Sheet material, Cutting. R. C. Simmons. 1,655,439; Jan. 10.
- Sheet-material drier. A. J. Vance. 1,674,349; June 19.

- Sheet material, Manipulating device for. F. J. MacDonald. 1,663,461; Mar. 20.
- Sheet material, Manufacture of. R. P. Rose. 1,675,959; July 3.
- Sheet material, Securing fibrous. T. B. Munroe and A. Elmendorf. 1,675,226; June 26.
- Sheet-metal articles, Apparatus for forming. G. Gronnel. 1,668,558; May 8.
- Sheet-metal cutter, Electrical. T. J. Kelleher. 1,694,597; Dec. 11.
- Sheet-metal drum. C. H. Rollason. 1,661,578; Mar. 6.
- Sheet metal, flat bars, and hoop iron, Apparatus for producing meshed. H. Frohnhauser. 1,677,438; July 17.
- Sheet-metal-forming machine. C. Johanson. 1,669,338; May 8.
- Sheet-metal joint. R. B. Brandl. 1,669,690; May 15.
- Sheet-metal member, Ribbed or corrugated. J. J. Mullen and F. M. Stambaugh. 1,683,841; Sept. 11.
- Sheet-metal members, Forming ribbed or corrugated. J. J. Mullen and F. M. Stambaugh. 1,683,842; Sept. 11.
- Sheet-metal press. F. J. Rode. 1,681,012; Aug. 14.
- Sheet-metal press. F. J. Rode. 1,682,937; Sept. 4.
- Sheet-metal spool. O. E. Seifert. 1,658,009; Jan. 31.
- Sheet-metal wheel. W. Barber. 1,686,509; Oct. 9.
- Sheet mill and making finished sheets, Continuous. F. C. Biggert, jr. 1,695,910; Dec. 18.
- Sheet of folded material. E. J. Hansen. 1,681,639; Aug. 21.
- Sheet-opening mechanism. F. C. Biggert, jr. 1,680,082; Aug. 7.
- Sheet or card holder. G. P. Wigginton. 1,661,519; Mar. 6.
- Sheet-packing rack. J. H. Victor. Des. 76,906; Nov. 13.
- Sheet piling. H. M. Marshall. 1,679,319; July 31.
- Sheet piling. K. Pahl. 1,681,593; Aug. 21.
- Sheet piling. J. R. Wemlinger. 1,679,800; Aug. 7.
- Sheet-rolling apparatus, Continuous. W. M. Blecker. 1,667,412; Apr. 24.
- Sheet-rolling method, Continuous. W. M. Blecker. 1,667,413; Apr. 24.
- Sheet structure. E. I. Dodds. 1,656,101; Jan. 10.
- Sheet-supporting clip. E. E. Henderson. 1,675,755; July 3.
- Sheet-surfacing apparatus. A. L. Harrington. 1,671,718; May 29.
- Sheet trimming and slitting machine. A. Slaysman, jr. 1,670,051; May 15.
- Sheets and plates, Manufacture of metallic-coated. J. McPetridge. 1,679,435; Aug. 7.
- Sheets and similar articles electrolytically, Apparatus for producing. J. C. F. A. Schütte. 1,682,426; Aug. 28.
- Sheets, Apparatus for controlling. H. E. Lindblad. 1,676,654; July 10.
- Sheets, Apparatus for surfacing. J. H. Fox. 1,660,330; Feb. 28.
- Sheets, Feeding. S. E. and A. P. Diescher. 1,662,492; Mar. 13.
- Sheets from a stack of sheets, Apparatus for withdrawing and folding. A. Winkler and M. Diinnebier. 1,674,187; June 19.
- Sheets of material, Folded. E. J. Hansen. 1,681,611; Aug. 21.
- Shelf, Adjustable mantel. R. A. Dambach. 1,683,168; Sept. 4.
- Shelf, and drop door, Combination. W. A. Noack. 1,684,193; Sept. 11.
- Shelf divider, Movable. A. H. Levene. 1,676,910; July 10.
- Shelf fixture. F. N. Carlson. 1,681,218; Aug. 21.
- Shelf for desks, Extension. J. A. Fitch. 1,691,387; Nov. 13.
- Shelf, Portable writing. W. C. Bennett. 1,662,293; Mar. 13.
- Shelf rack. W. N. Vance. 1,680,960; Aug. 14.
- Shelf strip. J. Koch. 1,685,456; Sept. 25.
- Shelf support. A. M. Woltz. 1,673,384; June 12.
- Shelf support, Adjustable. E. R. Armstrong. 1,683,228; Sept. 4.
- Shelf support and carrier. C. D. Agee. 1,655,721; Jan. 10.
- Shell and producing the same, Impigmented, exfoliated. S. Rauschenberg. 1,689,842; Oct. 30.
- Shell, Safety. J. Kowolchuk. 1,655,653; Jan. 10.
- Shellac substitutes, Preparation of a new type of. J. Scheiber and W. Noack. 1,660,094; Feb. 21.
- Sheller: See—
Corn sheller.
- Shelling crustacea, Method and apparatus for. K. D. Unrath. 1,655,582-3; Jan. 10.
- Shelling device for cracked nuts. D. B. Williams. 1,672,443; June 5.
- Shells from nuts, Removing. J. P. Kohler. 1,694,182; Dec. 4.
- Shelving. R. A. Fritz, jr. 1,685,064; Sept. 18.
- Shelving. C. E. Gerberich. 1,689,481; Oct. 30.
- Shelving. A. H. Levene. 1,676,909; July 10.
- Shelving. R. A. Ostram and C. E. Frykdahl. 1,684,410; Sept. 18.
- Shelving. C. E. Sturdavant. 1,694,520; Dec. 11.
- Shelving construction. W. E. June. 1,687,671; Oct. 16.
- Shelving, Metallic. A. Davis and A. A. Sherer. 1,656,868; Jan. 17.
- Shelving, Metallic. F. A. Schmitz. 1,676,930; July 10.
- Shelving, Sectional. J. Worley, jr. 1,660,898; Feb. 28.
- Shelving structure. A. M. Woltz. 1,671,176; May 29.
- Shield and making the same, Antiglare. R. M. Gruss. 1,678,218; July 24.
- Shield, Automobile antiglare. I. L. Worden. 1,695,357; Dec. 18.
- Shield, Dress. F. L. Hanauer. 1,691,348; Nov. 13.
- Shield, Expansion. R. E. Ogden. 1,669,014; May 8.
- Shield, Eye. G. A. Baker. 1,688,775; Oct. 23.
- Shield for automobile lamps, Antiglare. D. Reynolds and H. L. Simpson. 1,691,209; Nov. 13.
- Shield for automobiles, Combined glare, wind, rain, and insect. W. I. Clements. 1,673,664; June 12.
- Shield for diagnostic reflectors, Nose and mouth. J. J. Cantor. 1,671,342; May 29.
- Shield for hair waving, Protective. C. Neasler. 1,660,566; Feb. 28.
- Shield for headlights, Reflector. G. A. Hendey and R. A. Schatzel. 1,678,250; July 24.
- Shield for motor vehicles, Glare. S. A. Menczer. 1,694,552; Dec. 11.
- Shield for radio amplifiers or detectors. M. E. Johnson. 1,688,622; Oct. 23.
- Shield for sports, Shin-cone-protecting. J. Patten. 1,689,558; Oct. 30.
- Shield for vehicle brakes. G. R. Cunningham. 1,694,033; Dec. 4.
- Shield for vehicles, Antiglare. A. Steger. 1,684,690; Sept. 18.
- Shield for windows, Weather. E. O. Schaffert. 1,687,392; Oct. 9.
- Shield, Glare. C. G. Barron. 1,679,704; Aug. 7.
- Shield, Glare. I. R. Nathanson. 1,686,341; Oct. 2.
- Shield, Glare or light. A. Jackson. 1,666,568; Apr. 17.
- Shield, Heat-deflection. G. E. Ryan. 1,694,604; Dec. 11.
- Shield, Long-wall mining. E. Ramsay. 1,684,597; Sept. 18.
- Shield, Mirror antiglare. A. Lingner. 1,668,160; May 1.
- Shield, Oil. E. J. Grotjahn. 1,671,823; May 29.
- Shield, Pan. J. Reyther. 1,682,095; Aug. 28.
- Shield, Sun. J. D. Hies. 1,683,186; Sept. 4.
- Shielding system. H. C. Thompson. 1,659,542; Feb. 14.
- Shift bar for visible indexes. J. Schade. 1,687,108; Oct. 9.
- Shifting device for drills on bookbinding machines. N. S. Welk. 1,692,318; Nov. 20.
- Shifting mechanism, Lever-control. H. De Rodas. 1,671,815; May 29.
- Shim drift. J. D. and E. M. Tucker. 1,684,526; Sept. 18.
- Shims, Making. J. C. Yordon. 1,686,999; Oct. 9.
- Shingle. L. W. Block. 1,690,396; Nov. 6.
- Shingle. L. Busha. 1,688,917; Oct. 23.
- Shingle. L. C. Cotner. Des. 75,612; June 26.
- Shingle. N. P. Harshberger. 1,663,658; Mar. 27.
- Shingle. N. P. Harshberger. 1,666,204; Apr. 17.
- Shingle. N. P. Harshberger. 1,671,424; May 29.
- Shingle. R. P. Harshberger. 1,657,082; Jan. 24.
- Shingle. J. E. Hooker. 1,696,120; Dec. 18.
- Shingle. J. A. McCarthy. 1,658,685; Feb. 7.
- Shingle. J. A. McCarthy. 1,670,469; May 22.
- Shingle. T. D. Miller. 1,670,041; May 15.
- Shingle. G. W. Mills, jr. 1,689,290; Oct. 30.
- Shingle. W. A. Schollmeyer. 1,692,388; Nov. 30.
- Shingle and roof. J. A. Topping. 1,668,291; May 1.
- Shingle and making same, Split. F. L. Dietz. 1,663,905; Mar. 27.
- Shingle and shingle construction. G. E. Conway. 1,665,774; Apr. 10.
- Shingle, Composition. O. B. Clow. 1,688,612; Oct. 23.
- Shingle, Composition. H. A. Garber. 1,665,450; Apr. 10.
- Shingle, Composition roofing. N. Z. Butterick. 1,683,285; Sept. 4.
- Shingle construction. G. E. Conway. 1,661,562; Mar. 6.
- Shingle construction. R. J. Deans. 1,664,285; Mar. 27.
- Shingle-grouping machine. C. J. McDavitt. 1,676,911; July 10.
- Shingle, Interlocking flexible. A. Gietz. 1,656,434; Jan. 17.
- Shingle lock. F. E. Lietz. Re17,133; Nov. 13.
- Shingle machine. N. P. Harshberger. 1,666,203; Apr. 17.
- Shingle or block construction. A. C. Fischer. Re17,143; Nov. 20.
- Shingle, Reversible. W. E. Nelson. 1,657,271; Jan. 24.
- Shingle, Roof. P. C. Wolf. 1,659,903; Feb. 21.
- Shingle, Roofing. W. E. Bartels. 1,667,185; Apr. 24.
- Shingle, Roofing. W. A. Harris. 1,669,951; May 15.
- Shingle, Roofing. W. A. Harris. 1,685,999; Oct. 2.
- Shingle, Roofing. J. W. Kauffer. 1,658,806; Feb. 14.
- Shingle, Self-spacing. C. W. Mortimer. 1,665,601; Apr. 10.
- Shingle-simulating elements, Apparatus for producing individual. O. D. McFarland. 1,682,921; Sept. 4.
- Shingle, Split. G. E. Noble. 1,661,770; Mar. 6.
- Shingle, Strip. R. Adair. 1,655,885; Jan. 10.
- Shingle strip. J. R. Fife. Des. 74,669; Mar. 13.
- Shingle, Strip. G. Ritter. 1,659,575; Feb. 21.
- Shingles, Cutting. C. W. Mortimer. 1,665,600; Apr. 10.
- Shingles, Making imitation hand-rift. C. M. Abbott. 1,683,751; Sept. 11.
- Shingles, Manufacture of. A. S. Speer. 1,679,883; Aug. 7.
- Shining installation, Shoe. H. E. Schulse. 1,688,753; Oct. 23.
- Ship. J. Pasini. 1,696,053; Dec. 18.
- Ship, Air. L. W. Mammen. 1,658,452; Feb. 7.

- Ship, boat, and other vehicle provided with aerial turbines. L. Constantin and G. Daloz. 1,680,666; Aug. 14.
- Ship guidance system. J. H. Hammond, jr. 1,666,897; Apr. 24.
- Ship or similar vessel, Spiral rotary. J. C. Bechard. 1,665,012; Apr. 3.
- Ship, Pneumatically-driven. J. H. Mawby. 1,676,150; July 3.
- Ship propulsion, Electric. C. Macmillan. 1,655,470; Jan. 10.
- Ship-propulsion installation, Electric. E. D. Dickinson. 1,661,883; Mar. 6.
- Ship propulsion system. W. L. R. Emmet. 1,680,209; Aug. 7.
- Ship-propulsion system. J. F. Metten. 1,671,480; May 29.
- Ship propulsion, System of electric. E. F. W. Alexander-son. 1,676,312; July 10.
- Ship telegraph. W. R. Hornberger. 1,657,928; Jan. 31.
- Shipping and display box. J. J. Conway. 1,682,069; Aug. 28.
- Shipping and display box. W. H. Mount. 1,689,959; Oct. 30.
- Shipping and display box, Combined. G. C. Miller. 1,694,017; Dec. 4.
- Shipping apparatus. B. J. Sanford. 1,682,539; Aug. 28.
- Shipping box. J. M. Blanchard. 1,696,341; Dec. 25.
- Shipping box. S. Debus. 1,658,287; Feb. 7.
- Shipping box. D. H. Moss. 1,669,169; May 8.
- Shipping box, Collapsible. J. H. De Boer. 1,661,527; Mar. 6.
- Shipping-box construction. R. W. Chalmers. 1,670,840; May 22.
- Shipping-box structure. K. I. Miller. 1,664,808; Mar. 27.
- Shipping by parcel post. W. S. Close. 1,684,756; Sept. 18.
- Shipping case. J. B. Hunzelman. 1,664,477; Apr. 3.
- Shipping case. W. J. Winninghoff. 1,658,622; Feb. 7.
- Shipping case and belt reel, Combination. D. R. McKay. 1,659,115; Feb. 14.
- Shipping cover bag. A. Christ, jr. 1,691,379; Nov. 13.
- Shipping device. R. E. Baus. 1,661,457; Mar. 6.
- Shipping drum. H. E. McCrery. 1,671,735; May 29.
- Shipping drum. H. E. McCrery and A. E. Jesser. 1,673,256; June 12.
- Shipping drum. C. H. Rollason. 1,694,354; Dec. 4.
- Shipping drum and assembling the same. H. E. McCrery. 1,672,822; June 5.
- Shipping eggs. C. E. House. 1,674,724; June 26.
- Ships, Emergency apparatus for damaged. R. Blumberg. 1,660,114; Feb. 21.
- Ships, Gyroscopic stabilizer for. A. El. Schein. 1,655,800; Jan. 10.
- Ship's hatch. P. C. Trouwborst, J. T. Arts, and H. A. E. Schurman. 1,656,089; Jan. 10.
- Ship's log. M. E. A. Baule. 1,655,125; Jan. 3.
- Ships, Propelling device for. E. E. Tully, B. and W. Lovis. 1,666,517; Apr. 17.
- Ships, Propulsion device for. W. Fila. 1,681,108; Aug. 14.
- Ship's side scuttle. L. Schriever. 1,661,581; Mar. 6.
- Ships, Steering of. A. Flettner. 1,661,114; Feb. 28.
- Ships, System of propulsion for. M. A. L. Bidoire. 1,688,376; Oct. 23.
- Shirt. H. L. Burr. Des. 76,457; Oct. 2.
- Shirt. E. J. Quigley. 1,690,432; Nov. 6.
- Shirt and like article of wearing apparel. E. Higgins. 1,696,679; Dec. 25.
- Shirt and supporter, Combined. D. Levinson. 1,658,448; Feb. 7.
- Shirt and supporter, Combined. G. H. Tetreau. 1,656,304; Jan. 17.
- Shirt for men's wear. A. R. Benz and F. M. Ashley. 1,678,629; July 31.
- Shirt, Infant's. M. B. Tilden. 1,672,661; June 5.
- Shirt-making system. M. L. Kaplan. 1,666,291; Apr. 17.
- Shirt, Skeleton. F. Gordon. 1,671,986; June 5.
- Shirts, Manufacturing and repairing. J. S. Merenna. 1,658,135; Feb. 7.
- Shock absorber. L. Benson. 1,693,571; Nov. 27.
- Shock absorber. C. E. Bond. 1,677,949; July 24.
- Shock absorber. J. E. Christen. 1,696,429; Dec. 25.
- Shock absorber. W. P. Day. 1,672,203; June 5.
- Shock absorber. J. M. Hall. 1,661,822; Mar. 6.
- Shock-absorber. J. M. Hall. 1,696,478; Dec. 25.
- Shock absorber. R. G. Hausdorfer. 1,655,225; Jan. 3.
- Shock absorber. E. Helms. 1,662,188; Mar. 13.
- Shock absorber. H. R. Hughes, jr. 1,664,510; Apr. 3.
- Shock absorber. M. R. Jenney. 1,686,381; Oct. 2.
- Shock absorber. E. J. Kolodziej. 1,667,039; Apr. 24.
- Shock absorber. O. A. Krenke. 1,666,259; Apr. 17.
- Shock absorber. F. J. Laher. 1,655,552; Jan. 10.
- Shock absorber. E. L. Leinbach. 1,656,641; Jan. 17.
- Shock absorber. H. H. Logan. 1,687,620; Oct. 16.
- Shock absorber. H. H. Logan. 1,693,340; Nov. 27.
- Shock absorber. R. M. Lovejoy. 1,676,147; July 3.
- Shock absorber. B. L. Mallory. 1,666,261; Apr. 17.
- Shock absorber. G. C. Martin. 1,685,497; Sept. 25.
- Shock absorber. L. Mastrangel. 1,657,834; Jan. 31.
- Shock absorber. H. G. McComb. 1,689,884; Oct. 30.
- Shock absorber. T. A. Miller. 1,681,870; Aug. 21.
- Shock absorber. F. C. Mock. 1,690,692; Nov. 6.
- Shock absorber. P. S. Morgan. 1,694,788; Dec. 11.
- Shock absorber. F. Nielsen. 1,659,330; Feb. 14.
- Shock absorber. J. F. O'Connor. 1,688,649; Oct. 23.
- Shock absorber. W. J. Pavak. 1,694,949; Dec. 11.
- Shock absorber. E. L. Peacock. 1,667,011; Apr. 24.
- Shock absorber. G. A. Peacock. 1,667,047; Apr. 24.
- Shock absorber. E. W. Powell. 1,689,841; Oct. 30.
- Shock absorber. T. A. Rigney. 1,679,268; July 31.
- Shock absorber. L. Rouanet. 1,673,268; June 12.
- Shock absorber. C. W. Sherman and J. M. Hall. 1,679,921; Aug. 7.
- Shock absorber. C. W. Sherman and J. M. Hall. 1,694,987; Dec. 11.
- Shock absorber. A. B. Shultz. 1,695,933; Dec. 18.
- Shock absorber. E. R. Snook. 1,679,842; Aug. 7.
- Shock absorber. J. R. Snyder. 1,666,357; Apr. 17.
- Shock absorber. J. R. Snyder. 1,690,256-7; Nov. 6.
- Shock absorber. J. A. Stevens. 1,655,201; Jan. 3.
- Shock absorber. J. A. Stevens. 1,655,203; Jan. 3.
- Shock absorber. J. A. Stevens. 1,655,205-10; Jan. 3.
- Shock absorber. D. H. Sweet. 1,660,457; Feb. 28.
- Shock absorber. H. Tauscher. 1,654,763; Jan. 3.
- Shock absorber. A. Thomas. 1,655,443; Jan. 10.
- Shock absorber. A. Thomas. 1,683,499; Sept. 4.
- Shock absorber. C. W. Thompson. Rel. 127; Nov. 6.
- Shock absorber. C. W. Thompson. 1,687,527; Oct. 16.
- Shock absorber. R. H. Travers. 1,671,658; May 29.
- Shock absorber. H. F. Werner and C. E. Faber. 1,662,223; Mar. 13.
- Shock absorber. T. H. Williams. 1,681,205; Aug. 21.
- Shock absorber and the like. J. C. Segeler. 1,692,227; Nov. 20.
- Shock absorber for automobile and other springs. A. M. Brown. 1,688,683; Oct. 23.
- Shock absorber for drilling rigs. J. Becker. 1,683,948; Sept. 11.
- Shock absorber for motor cycles. L. Szabo. 1,692,593; Nov. 20.
- Shock absorber for motor vehicles. G. R. Pennington. 1,677,405; July 17.
- Shock absorber for motor vehicles. J. H. Taylor. 1,676,808; July 10.
- Shock absorber for oil-well pumps. C. E. Coleston. 1,656,046; Jan. 10.
- Shock absorber for vehicle seat backs. O. B. Linder. 1,669,567; May 15.
- Shock absorber for vehicles. M. E. Greenhouse. 1,678,040; July 24.
- Shock absorber for walking beams. W. Werner. 1,662,224; Mar. 13.
- Shock absorber, Hydraulic. T. N. Aikens. 1,658,962; Feb. 14.
- Shock absorber, Hydraulic. C. W. Manzel. 1,656,744; Jan. 17.
- Shock absorber, Hydraulic. C. W. Manzel. 1,675,760; July 3.
- Shock absorber, Pneumatic. M. Costello. 1,656,266; Jan. 17.
- Shock absorber, Pneumatic. J. A. Heany. 1,690,110; Nov. 6.
- Shock absorber, Tubing. S. Chase. 1,669,898; May 15.
- Shock absorber, Vehicle. R. E. Marston. 1,674,292; June 19.
- Shock absorber working with progressive compression. H. J. Weydert. 1,679,698; Aug. 7.
- Shock absorbers, Universal fitting for. J. R. Snyder. 1,656,925; Jan. 24.
- Shock-absorbing apparatus. J. W. Baird. 1,672,513; June 5.
- Shock-absorbing device. E. Kreissig. 1,656,279; Jan. 17.
- Shock-absorbing handpiece. L. E. Evslin. 1,685,670; Sept. 25.
- Shock-absorbing means. H. Junkers. 1,661,182; Mar. 6.
- Shock-absorbing mechanism. S. B. Haseltine. 1,674,826; June 26.
- Shock-absorbing mechanism. S. B. Haseltine. 1,683,822; Sept. 11.
- Shock-absorbing mechanism. S. B. Haseltine. 1,692,659; Nov. 20.
- Shock-absorbing mechanism. J. F. O'Connor. 1,604,312; Mar. 27.
- Shock-absorbing mechanism. J. F. O'Connor. 1,685,176; Sept. 25.
- Shock-absorbing mechanism, Friction. A. M. Brenne. 1,680,282; Aug. 14.
- Shock-absorbing mechanism, Friction. F. F. Erickson. 1,692,253; Nov. 20.
- Shock-absorbing mechanism, Friction. H. Fuchs. 1,696,350; Dec. 25.
- Shock-absorbing mechanism, Friction. W. A. Geiger. 1,669,813-15; May 15.
- Shock-absorbing mechanism, Friction. W. A. Geiger. 1,673,044; June 12.
- Shock-absorbing mechanism, Friction. W. A. Geiger. 1,696,351; Dec. 25.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. Rel. 911; Mar. 20.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,660,445; Feb. 28.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,661,145; Feb. 28.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,661,753; Mar. 6.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,668,899-902; May 8.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,671,582; May 29.

- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,673,507; June 12.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,674,824-5; June 26.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,676,613; July 10.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,680,292-3; Aug. 14.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,680,612; Aug. 14.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,682,042-3; Aug. 28.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,684,538-9; Sept. 18.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,693,921; Dec. 4.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,694,778; Dec. 11.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,696,302; Dec. 25.
- Shock-absorbing mechanism, Friction. G. Q. Lewis. 1,683,473; Sept. 4.
- Shock-absorbing mechanism, Friction. H. J. Lounsbury. 1,692,273; Nov. 20.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,616,846; Jan. 3.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,660,668; Feb. 28.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,660,572; Feb. 28.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,660,574; Feb. 28.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,663,992-4; Mar. 27.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,664,313-14; Mar. 27.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,667,798-9; May 1.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,670,478; May 22.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,673,371-2; June 12.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,674,872-3; June 26.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,675,660-1; July 3.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,680,337; Aug. 14.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,682,020; Aug. 28.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,683,397-9; Sept. 4.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,684,510; Sept. 18.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,689,291; Oct. 30.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,689,449; Oct. 30.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,689,451; Oct. 30.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,692,687-9; Nov. 20.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,693,816; Dec. 4.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,694,793; Dec. 11.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,695,499-500; Dec. 18.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,696,819-20; Dec. 25.
- Shock-absorbing mechanism, Friction. R. J. Olander. 1,683,480; Sept. 4.
- Shock arrester. E. Conti. 1,696,472; Dec. 25.
- Shock loader. B. C. Berry and H. S. Dickinson. 1,695,572; Dec. 18.
- Shocker. J. A. McElroy. 1,691,355; Nov. 13.
- Shocker. C. R. Raney. 1,659,002; Feb. 14.
- Shocker. G. B. West. 1,692,526; Nov. 20.
- Shocker, Grain. I. L., C. N., and R. W. Dawson. 1,693,595; Dec. 4.
- Shocker, Grain. F. Jackson. 1,686,156; Oct. 2.
- Shocker, Grain. H. E. Wunderlich. 1,692,882; Nov. 27.
- Shocker, Sheaf. E. A. Wootton. 1,689,094; Oct. 23.
- Shockers. Swinging carrier for corn. F. T. Bookmyer. 1,665,767; Apr. 10.
- Shocking machine. E. W. Broholm. 1,682,595; Aug. 28.
- Shoe. J. Aleksandrowicz. 1,660,664; Feb. 28.
- Shoe. J. Alfred. 1,662,814; Mar. 20.
- Shoe. E. Anderson. 1,679,889; Aug. 7.
- Shoe. M. B. Banks. 1,677,226; July 17.
- Shoe. W. R. Barclay. 1,681,211; Aug. 21.
- Shoe. G. W. Blair. 1,684,660; Sept. 18.
- Shoe. C. C. Blake. 1,677,612; July 17.
- Shoe. F. M. Bohr. Des. 74,655; Mar. 13.
- Shoe. W. J. Briggs. 1,679,400; Aug. 7.
- Shoe. C. H. Brown. 1,656,556; Jan. 17.
- Shoe. E. Cassano. 1,662,845; Mar. 20.
- Shoe. P. Cox and F. McPartland. 1,687,267; Oct. 9.
- Shoe. A. F. Donovan. Des. 74,299; Jan. 24.
- Shoe. T. J. Fitz Harris. Des. 74,789; Mar. 27.
- Shoe. T. J. Fitz Harris. Des. 75,681; July 3.
- Shoe. L. J. Fitz Harris. Des. 77,082; Dec. 4.
- Shoe. W. T. Horne. 1,655,397; Jan. 3.
- Shoe. W. Hughes. Des. 75,161; May 15.
- Shoe. G. A. Jones. 1,667,159; Apr. 24.
- Shoe. G. A. Jones. 1,670,811; May 22.
- Shoe. G. A. Jones. 1,675,711; July 3.
- Shoe. R. Kennett. 1,664,563; Apr. 3.
- Shoe. C. Miller. Des. 75,276; May 22.
- Shoe. C. Miller. 1,690,690; Nov. 6.
- Shoe. J. F. Montine. 1,655,326; Jan. 3.
- Shoe. T. N. Morgan. 1,660,203; Feb. 21.
- Shoe. G. E. Musebeck. 1,686,292; Oct. 2.
- Shoe. L. Pignanelli. 1,682,184; Aug. 28.
- Shoe. T. Roberts. Des. 76,355; Sept. 18.
- Shoe. T. Saraniti. 1,695,063; Dec. 11.
- Shoe. J. Schmeer. 1,693,911; Dec. 4.
- Shoe. A. D. Serino. Des. 75,390; May 29.
- Shoe. A. M. Tucker. 1,675,774; July 3.
- Shoe. H. Wilhelm. Des. 77,345; Dec. 25.
- Shoe. J. E. Williams. 1,687,915; Oct. 16.
- Shoe and arch preserver. M. Minutillo. 1,692,510; Nov. 20.
- Shoe and arch support therefor. W. M. Hurley. 1,691,974; Nov. 20.
- Shoe and forming the same. J. B. Snell. 1,663,319; Mar. 20.
- Shoe and like lace and tip therefor. A. W. Uellendahl. 1,691,451; Nov. 13.
- Shoe and locker bag. M. Levit. 1,684,232; Sept. 11.
- Shoe and making, Stitchdown. P. W. Valentine. 1,687,529; Oct. 16.
- Shoe and making same. A. E. Block. 1,693,218; Nov. 27.
- Shoe and making same. J. L. Pree. 1,655,161; Jan. 3.
- Shoe and making same, Stitch-down. R. E. Howlett. 1,677,343; July 17.
- Shoe and making the same. F. Perkins. 1,663,094; Mar. 20.
- Shoe and making the same. McKay-sewed welt. F. L. Ellison. 1,669,160; May 8.
- Shoe and making the same, Stitch-down. S. J. Pentler and O. R. Short. 1,681,623; Aug. 21.
- Shoe and method of shoemaking. P. W. Valentine. 1,687,528; Oct. 16.
- Shoe and shank stiffener therefor, Turn. W. G. Dodge. 1,695,577; Dec. 18.
- Shoe, Arch-supporting. C. O. Cristallini. 1,658,405; Feb. 7.
- Shoe, Arch-supporting. J. Jones. 1,665,741; Apr. 10.
- Shoe, Baby. L. J. Golden. Des. 76,233; Sept. 4.
- Shoe, Baby's. B. Schubart. Des. 77,187; Dec. 11.
- Shoe-blacking stand. T. C. Whitehead. 1,662,283; Mar. 13.
- Shoe bottom. E. I. La Chapelle. 1,658,170; Feb. 7.
- Shoe-bottom-filling machine. A. Thoma. 1,682,865; Sept. 4.
- Shoe box. D. A. Stevens. 1,691,533; Nov. 13.
- Shoe box. M. Wolock. Des. 75,891; July 24.
- Shoe brake, Expanding. G. Fornaca. 1,687,608; Oct. 16.
- Shoe-button cover, Ornamental. G. A. Guyot. 1,659,975; Feb. 21.
- Shoe cleaner. C. Bruderlein. 1,663,972; Mar. 27.
- Shoe construction. R. L. Marteau and G. A. Schroeter. 1,689,350; Oct. 30.
- Shoe construction. H. H. Schwartz. 1,693,122; Nov. 27.
- Shoe construction, Athletic. J. T. Riddell. 1,659,666; Feb. 21.
- Shoe creaser. G. H. Wilkins. 1,692,481; Nov. 20.
- Shoe, Double-welt. A. W. Bowers and C. N. Prouty. 1,681,279; Aug. 21.
- Shoe-dressing machine. G. Passefume. 1,656,291; Jan. 17.
- Shoe drier. W. C. Schrenkeisen. 1,688,793; Oct. 23.
- Shoe fastening. R. C. Legat. 1,687,372; Oct. 9.
- Shoe, Flexible rubber. D. H. Finberg. 1,657,075; Jan. 24.
- Shoe, Football. E. E. Roeweade. 1,677,370; July 17.
- Shoe for personal wear. R. McLaren. 1,668,120; May 1.
- Shoe for protecting pianos. J. H. Johnson. 1,669,616; May 15.
- Shoe form. E. B. Cooksey. 1,671,346; May 29.
- Shoe form. J. J. O'Connor. 1,660,426; Feb. 28.
- Shoe, Furniture glider. O. T. Larsen. 1,659,540; Feb. 14.
- Shoe having concealed eyeletting. W. B. Barkley. 1,690,188; Nov. 6.
- Shoe heater. W. H. Raynard. 1,671,142; May 29.
- Shoe heel. L. M. Oakley. Des. 76,201; Aug. 28.
- Shoehorn. M. G. Daglass. Des. 75,018; May 1.
- Shoehorn. B. C. Wickers. 1,690,516; Nov. 6.
- Shoe, Ice grouser. W. Turnbull. 1,693,831; Dec. 4.
- Shoe jack, Adjustable. J. L. Watson. 1,671,689; May 29.
- Shoe lace. A. Schaffer. 1,669,537; May 15.
- Shoe last. C. Miller and M. Feinstein. 1,693,397; Nov. 27.
- Shoe last and making same. E. M. Fullerton. 1,689,625; Oct. 30.
- Shoe-lasting machine. Stitch-down. F. P. Steil. 1,654,617; Jan. 3.
- Shoe linings or the like. Method and apparatus for forming. F. J. MacDonald. 1,663,462; Mar. 20.
- Shoe machine. A. Hadi. 1,661,662; Mar. 6.
- Shoe machine. R. H. Lawson. 1,686,821; Oct. 9.
- Shoe machine. A. R. Morrill. 1,689,594; Oct. 30.
- Shoe machinery. G. G. Perkins. 1,687,384; Oct. 9.
- Shoe-making machine. Automatic. E. J. Prindle. 1,663,097; Mar. 20.
- Shoe making or repairing apparatus. S. W. Burtchael. 1,692,623; Nov. 20.

- Shoe manufacture. H. A. Evans. 1,668,399; May 1.
 Shoe manufacture. C. B. Spalsbury. Re17,172; Dec. 25.
 Shoe materials, Apparatus for treating. F. M. Furber. 1,661,118; Feb. 28.
 Shoe materials, Method of and apparatus for softening. F. M. Furber. 1,678,139; July 24.
 Shoe, Nonskid. W. A. Johnson. 1,669,939; May 15.
 Shoe or boot. E. H. Wiel. 1,665,763; Apr. 10.
 Shoe, Orthopedic. M. Hilgert. 1,692,896; Nov. 27.
 Shoe-polishing machine. J. Hoffman. 1,692,120; Nov. 20.
 Shoe-pounding machine. E. E. Winkley. 1,672,187; June 5.
 Shoe press. J. Amico. 1,688,323; Oct. 23.
 Shoe-pressing device. V. H. Bodle. 1,657,296; Jan. 24.
 Shoe-pressing machine. A. E. Headley. 1,690,197; Nov. 6.
 Shoe-pressing machine. F. Ricks and R. B. Woodcock. 1,690,433; Nov. 6.
 Shoe-pressing machine. E. E. Winkley. 1,689,609; Oct. 30.
 Shoe-pressing machine. E. E. Winkley and F. V. Hart. 1,685,387; Sept. 25.
 Shoe, protecting and handling device. E. C. Hess. 1,694,533; Dec. 11.
 Shoe protector. A. McKinley. 1,663,381; Mar. 20.
 Shoe rack. W. E. Coombes. 1,687,930; Oct. 16.
 Shoe rack. C. P. Mitchell. 1,674,654; June 26.
 Shoe rack. C. A. Monsees. 1,692,651; Nov. 20.
 Shoe rack. C. E. Shively. 1,687,397; Oct. 9.
 Shoe-repair machine. G. Vitale. 1,687,152; Oct. 9.
 Shoe-repairing stand. T. Rendle. 1,686,467; Oct. 2.
 Shoe sample, Profile. E. K. Scudder. 1,668,609; May 8.
 Shoe shank. R. Davis and I. Tapman. 1,695,996; Dec. 18.
 Shoe-shining apparatus. F. A. Groves. 1,693,601; Dec. 4.
 Shoe-shining seat. H. E. Schulse. Des. 76,729; Oct. 23.
 Shoe-shining stand. J. Silverman. 1,685,648; Sept. 25.
 Shoe shop, Portable. J. Britton. 1,659,771; Oct. 30.
 Shoe-softening apparatus. F. Ricks and A. E. Richards. 1,667,825; May 1.
 Shoe sole. G. W. Blair. Des. 74,252; Jan. 17.
 Shoe sole. A. S. Funk and E. S. Bott. Des. 76,791; Nov. 6.
 Shoe sole. L. M. Oakley. Des. 76,411; Sept. 25.
 Shoe-sole mat. J. A. Paskal. 1,670,867; May 22.
 Shoe sole or analogous article. D. A. Cutler. Des. 74,554; Feb. 23.
 Shoe soles to the uppers, Device for attaching. F. Sahr. 1,689,157; Oct. 23.
 Shoe, Sport. A. Behr. 1,664,728; Apr. 3.
 Shoe, Spring. J. A. Sestito. 1,670,747; May 22.
 Shoe stick. C. H. Young. 1,695,702; Dec. 18.
 Shoe stiffener and making it. F. Ricks. 1,681,257; Aug. 21.
 Shoe, Stitch-down. E. B. Loewenbach. 1,690,737; Nov. 6.
 Shoe, Stitch-down weltless. E. J. Ramsey. 1,695,697; Dec. 18.
 Shoe-stitcher attachment. A. Lutschg. 1,667,427; Apr. 24.
 Shoe strap. F. A. Ballou. 1,660,215; Feb. 21.
 Shoe strap. F. A. Ballou and R. T. Stafford. Des. 75,710; July 10.
 Shoe strap. F. A. Ballou and R. T. Stafford. 1,668,481; May 1.
 Shoe stretcher. H. Brock and J. Dautch. 1,660,912; Feb. 28.
 Shoe support. E. L. Cavanna. Re16,924; Apr. 3.
 Shoe, Swimming. A. F. Fibiger. 1,691,385; Nov. 13.
 Shoe, Swimming. K. O. F. Jacobsen. 1,688,498; Oct. 23.
 Shoe-tree. A. R. Anderson. 1,681,968; Aug. 28.
 Shoe-tree. R. W. Brewer. 1,658,475; Feb. 7.
 Shoe-tree. F. Harold. 1,687,558; Oct. 16.
 Shoe-tree. H. C. Montague. 1,675,224; June 26.
 Shoe-trimming machine. B. Jorgensen. 1,680,383; Aug. 14.
 Shoe, Turn. L. V. Grover, F. Sarra, and A. A. Durkee. 1,673,785; June 12.
 Shoe, Turn. R. Kaminsky. 1,684,543; Sept. 18.
 Shoe-turning machines, Shoe locator for. D. Baum. 1,676,722; July 10.
 Shoe uppers, Apparatus for assembling stiffeners in. W. H. Baynard. 1,684,052; Sept. 11.
 Shoe uppers, Apparatus for manufacturing ornamented. H. B. Lupien. 1,689,633; Oct. 30.
 Shoe uppers, Device for softening. J. J. Vachon. 1,659,503; Feb. 14.
 Shoe, Water. P. Reinwald. 1,693,867; Dec. 4.
 Shoe, Work. A. L. Rohrbacher, jr. 1,686,399; Oct. 2.
 Shoes and analogous products, Conditioning. G. D. Harris. 1,667,315; Apr. 24.
 Shoes and parts thereof, Apparatus for heating and softening. F. M. Furber. 1,678,140; July 24.
 Shoes, Ankle strap for. F. A. Ballou and R. T. Stafford. 1,668,480; May 1.
 Shoes, Apparatus for use in making. F. E. Bertrand. 1,664,657; Apr. 3.
 Shoes, Clacking insert for. W. J. Haney. 1,668,505; May 1.
 Shoes, Cleat for sport. K. F. T. Karlson and H. V. Rau. 1,658,050; Feb. 7.
 Shoes, Creeper device for. W. Potter. 1,655,736; Jan. 10.
 Shoes, Machine for use in the manufacture of. A. F. Pym. 1,658,098; Feb. 7.
 Shoes, Making. S. Aunsaldo. 1,668,479; May 1.
 Shoes, Making. J. Cavanagh. 1,682,773; Sept. 4.
 Shoes, Making. A. L. Postman. 1,691,167; Nov. 13.
 Shoes, Making tackless McKay. W. B. White. 1,669,961; May 15.
 Shoes, Making turn. L. V. Grover, F. Sarra, and A. A. Durkee. 1,673,784; June 12.
 Shoes, Making wooden-soled. E. Pfestroff. 1,675,865; July 3.
 Shoes, Manufacture of. T. C. Erskine. 1,681,226; Aug. 21.
 Shoes, Manufacture of. J. B. Hadaway. 1,695,331; Dec. 18.
 Shoes, Manufacture of. A. F. Pym. 1,668,604; May 8.
 Shoes, Manufacture of. A. F. Pym. 1,674,059; June 19.
 Shoes, Manufacture of. A. F. Pym. 1,678,165; July 24.
 Shoes, Manufacture of. F. E. Toothaker. 1,683,636; Sept. 11.
 Shoes, Manufacture of turn. W. G. Dodge. 1,695,578; Dec. 18.
 Shoes, Manufacturing. V. Pessemier. 1,660,273; Feb. 21.
 Shoes, Manufacturing. J. S. Touché. 1,682,868; Sept. 4.
 Shoes, Mechanism for making turn. M. L. Dodge. 1,693,976; Dec. 4.
 Shoes, Method for use in the manufacture of. W. C. Baxter. 1,693,132; Nov. 27.
 Shoes, Method of and last for making turned. J. Edwards. 1,664,199; Mar. 27.
 Shoes, Method of and machine for attaching counters to turn. M. L. Dodge. 1,665,582; Apr. 10.
 Shoes, Protected seam for. C. E. Rickey. 1,670,008; May 15.
 Shoes, Single-sole. W. C. Re and B. Raso. 1,682,417; Aug. 28.
 Shoes, Strengthening device for. K. Schutz. 1,678,274; July 24.
 Shoes, Supplemental outsole for. B. Montante. 1,662,756; Mar. 13.
 Shoes, Toe plate for. H. T. Faulks. 1,659,524; Feb. 14.
 Shooting gallery, Automatic-moving-target. A. M. Rowe and C. O. Rowe. 1,683,808; Sept. 11.
 Shop-easy system. J. J. Moss. 1,659,663; Feb. 21.
 Shopping bag. J. R. Gibson and T. M. Avery. 1,696,085; Dec. 18.
 Shore bracket. G. B. Bosco. 1,678,177; July 24.
 Shore clamp. J. Kautz. 1,696,848; Dec. 25.
 Shores, Head member for. A. H. Symons. 1,660,496; Feb. 28.
 Short circuiter. E. P. Larsh. 1,685,549; Sept. 25.
 Short-circuiting device. E. C. Ballman. 1,654,776; Jan. 3.
 Short-circuiting device. F. J. Bullivant. 1,684,941; Sept. 18.
 Short-circuiting mechanism. J. J. Janca. 1,664,561; Apr. 3.
 Short-circuiting mechanism. C. H. Wolff. 1,695,789; Dec. 18.
 Short-circuiting switch. R. G. McCurdy. 1,677,193; July 17.
 Shot cartridge. H. Greener. 1,661,609; Mar. 6.
 Shot shells, Wad for. H. Ernst and A. G. Schuricht. 1,659,649; Feb. 21.
 Shotgun shells, Manufacturing. H. T. Peck. 1,657,584; Jan. 31.
 Shoulder pad. R. T. Mullins. 1,685,825; Oct. 2.
 Shoulder strap. A. Fridolph. Re17,011; June 26.
 Shoulder strap. A. Rothstein. 1,687,592; Oct. 16.
 Shovel: See—
 Coal-saving shovel. Sifter shovel.
 Controller shovel. Snow and street-cleaning
 Cultivator shovel. shovel.
 Power shovel. Snow shovel.
 Shovel. J. P. Walter. 1,686,888; Oct. 9.
 Shovel blade and sweep. G. T. Snelling. 1,660,894; Feb. 28.
 Shovel-crane boom. L. A. Russell. 1,662,902; Mar. 20.
 Shovel excavators, Boom for. H. F. Menck. 1,670,470; May 22.
 Shovel handle. L. E. Webster. 1,687,073; Oct. 9.
 Shovel, hoe, and rake, Combined. A. J. Meents. 1,689,886; Oct. 30.
 Shovel-operating mechanism. S. Carlson. 1,663,292; Mar. 20.
 Shovel or excavator, Power. B. C. Clutter. 1,693,809; Dec. 4.
 Shoveling board. Wagon-body. 1,667,438; Apr. 24.
 Shoveling machine. F. H. Armstrong. 1,669,688; May 15.
 Shoveling machine. E. C. Morgan. 1,663,917; Mar. 27.
 Shoveling machine. B. C. Stanhope. 1,696,216; Dec. 25.
 Shovels, Dipper-door control for. E. H. Lichtenberg. 1,659,824; Feb. 21.
 Shovels, Semiautomatic trip for. G. G. Morin. 1,655,623; Jan. 10.
 Shovels, Semiautomatic trip for power. G. G. Morin. 1,661,955; Mar. 6.
 Shovels, Tooth for excavating. W. T. Hulsizer. 1,687,022; Oct. 9.
 Show case. T. W. Bache. 1,674,002; June 19.
 Show case. G. H. Daugherty. 1,673,105; June 12.
 Show case. C. W. Gale. 1,693,980; Dec. 4.
 Show case. E. Morris. 1,658,932; Feb. 14.
 Show case. W. Munch. 1,683,791; Sept. 11.
 Show case. R. Sideman. 1,678,088; July 24.
 Show case. E. J. Watts. Des. 74,202; Jan. 3.
 Show case, Refrigerating. M. J. Goalstone. 1,690,485; Nov. 6.

- Showcase, Vending. E. F. Bishop. 1,691,461; Nov. 13.
 Shower, Attachable. J. C. Sheller. 1,685,180; Sept. 25.
 Shower-bath protector. W. L. Deming. 1,691,339; Nov. 13.
 Shower inclosure. L. H. Lehman. 1,693,088; Nov. 27.
 Shower receptor. G. A. Nilson. 1,684,502-3; Sept. 18.
 Shredder, Paper-pulp. F. B. Philbrick. 1,676,048; July 3.
 Shredding materials, Machine for. O. E. Lehmick. 1,673,336; June 12.
 Shrine. E. J. Wees. Des. 75,884; July 24.
 Shunt for dynamo-electric machines, Magnetic. R. C. Deale. 1,680,731; Aug. 14.
 Shut-off device, Automatic. W. E. Blair and V. D. Kauth. 1,669,280; May 8.
 Shut-off device for liquid dispensers, Automatic. F. C. Baxter. 1,689,066; Oct. 23.
 Shut-off device, Fluid. N. B. Creighton. 1,659,518; Feb. 14.
 Shut-off for gas burners and alarms, Electrically-operated. J. Helmberger. 1,686,380; Oct. 2.
 Shutter apparatus for radiators. J. F. Raleigh. 1,673,995; June 19.
 Shutter control for printing tabulators, Zero. W. W. Lasker. 1,692,215; Nov. 20.
 Shutter-control mechanism. J. H. Hammond, jr. 1,664,550; Apr. 3.
 Shutter for engine radiators, Control. D. M. Winans. 1,660,145-6; Feb. 21.
 Shutter for engine radiators, Control. D. M. Winans. 1,682,716; Aug. 28.
 Shutter hook and spring, Combined. E. J. Sibley. 1,681,261; Aug. 21.
 Shutter mechanism for photographic apparatus. J. Wolf. 1,694,113; Dec. 4.
 Shutter, Metallic rolling. J. C. Raper. 1,667,081; Apr. 24.
 Shuttle. E. Ayala. 1,675,204; June 26.
 Shuttle. W. H. Harrison. 1,676,438; July 10.
 Shuttle. J. Northrop. 1,688,204; Oct. 16.
 Shuttle. L. Pavia. 1,666,540; Apr. 17.
 Shuttle. F. C. Reinhardt. 1,675,516; July 3.
 Shuttle. E. C. Richard and H. Gill. 1,665,221; Apr. 10.
 Shuttle. M. H. Rubin. 1,661,308; Mar. 6.
 Shuttle. P. L. Spencer. 1,675,303; June 26.
 Shuttle. W. A. Tebo. 1,662,017; Mar. 6.
 Shuttle, Automatically-threading loom. W. I. Stimpson. 1,687,467; Oct. 9.
 Shuttle box. W. S. Wells. 1,665,572; Apr. 10.
 Shuttle guard. A. G. Hofmann. 1,686,662; Oct. 9.
 Shuttle guard and stop motion, Combined. L. A. Badger. 1,693,539; Nov. 27.
 Shuttle, Loom. J. C. Brooks. 1,679,647; Aug. 7.
 Shuttle, Self-threading. C. Ricard. 1,684,780-1; Sept. 18.
 Shuttle spindle. O. J. Benoit. 1,655,084; Jan. 3.
 Shuttle tension. A. F. Clements. 1,668,191; May 1.
 Shuttle threader block. A. Dion. 1,663,070; Mar. 20.
 Shuttle, Thrown pinch. M. B. Lloyd. 1,672,269; June 5.
 Shuttles, Adjustable tension guide for. C. H. Sergeson. 1,656,761; Jan. 17.
 Shuttles, Cop skewer for automatically replenishing. H. A. Davis. 1,671,067; May 22.
 Sickie. G. K. Thompson. 1,680,824; Aug. 14.
 Sickie-bar section. F. J. Bickel. 1,684,780-1; Sept. 18.
 Side-chain aromatic compounds, Manufacture of. F. Günther. 1,670,505; May 22.
 Side-delivery rake. L. R. Clausen. 1,663,793; Mar. 27.
 Side frame. D. S. Barrows. 1,684,787; Sept. 18.
 Side frame. D. S. Barrows. 1,694,577; Dec. 11.
 Side frame. B. W. Kadel. 1,660,968; Feb. 28.
 Side frame. B. W. Kadel. 1,677,347; July 17.
 Side frame. M. H. Martin. 1,673,754; June 12.
 Side frame. W. F. Richards. 1,687,735; Oct. 16.
 Side frame, Car-truck. H. E. Doerr. 1,688,856; Oct. 23.
 Side frame, Cast-steel. B. W. Kadel. 1,661,833; Mar. 6.
 Side frame, Truck. D. S. Barrows. 1,679,925; Aug. 7.
 Side light. A. J. Marshall. 1,678,261; July 24.
 Side-wall sampler. S. H. Williston. 1,683,642; Sept. 11.
 Sieve, Recleaning. S. N. Sorensen. 1,657,646; Jan. 31.
 Sifter. W. Adelman. 1,659,557; Feb. 21.
 Sifter. C. M. Ostler. 1,666,830; Apr. 17.
 Sifter. J. Sharp. 1,683,848; Sept. 11.
 Sifter. H. S. Woodward. 1,664,841; Apr. 3.
 Sifter, Ash. J. F. Hargadon. 1,662,606; Mar. 13.
 Sifter, Flour. A. Gschwindt. 1,665,454; Apr. 10.
 Sifter, shovel. G. Cipriano. 1,675,092; June 26.
 Sifter tin, Flour. A. M. Shearman. 1,674,346; June 19.
 Sifter top. J. L. McAtree. 1,656,746; Jan. 17.
 Sifter-top-closing device. N. Loesel. 1,676,615; July 10.
 Sight feed. E. M. Scoville. 1,666,918; Apr. 24.
 Sight stabilizer, Gyroscopic line of. E. A. Sperry. 1,688,559; Oct. 23.
 Sighting attachment for guns. R. W. Kelm. 1,679,221; July 31.
 Sighting device. E. A. Everett. 1,664,544; Apr. 3.
 Sighting device. J. W. Gordon. 1,672,155; June 5.
 Sighting device. J. B. Henderson. 1,683,073; Sept. 4.
 Sign. See—
 Illuminated advertising sign.
 Sign. H. F. Anderson. 1,679,462; Aug. 7.
 Sign. S. D. Baggott. 1,660,984; Feb. 28.
 Sign. J. L. Beck. 1,691,456; Nov. 13.
 Sign. S. G. Belsch. Des. 74,714; Mar. 20.
 Sign. A. H. Brackenscy. 1,668,449; May 1.
 Sign. R. S. Brenner and J. Scott. Des. 76,456; Oct. 2.
 Sign. G. P. Butler. 1,684,470; Sept. 18.
 Sign. F. Chester. Des. 76,984; Nov. 27.
 Sign. C. C. Cosner. 1,656,265; Jan. 17.
 Sign. H. Dickinson. Des. 74,665; Mar. 13.
 Sign. E. H. Diebolt. 1,689,117; Oct. 23.
 Sign. H. F. Fabian. 1,655,223; Jan. 3.
 Sign. J. F. Fisher. Des. 76,385; Sept. 25.
 Sign. H. C. Gammeter. Des. 76,295; Sept. 11.
 Sign. F. P. Gestalder. 1,679,079; July 31.
 Sign. J. E. Guy. 1,696,117; Dec. 18.
 Sign. J. Lemke, jr. 1,661,075; Feb. 28.
 Sign. T. A. Nolan. 1,679,167; July 31.
 Sign. D. W. Norton. Des. 77,254; Dec. 18.
 Sign. G. A. Peterson. 1,674,565; June 19.
 Sign. E. Pickett. 1,668,378; May 1.
 Sign. G. M. Reininger. 1,659,835; Feb. 21.
 Sign. R. E. Risser. 1,669,782; May 15.
 Sign. H. G. Russell. Des. 74,240; Jan. 10.
 Sign. H. G. Russell. Des. 74,762; Mar. 20.
 Sign. H. G. Russell. Des. 76,422; Sept. 25.
 Sign. R. W. Saverns and E. W. Tiemeyer. 1,675,580; July 3.
 Sign. C. E. Strickland. 1,687,043; Oct. 9.
 Sign. A. Swan, jr. 1,660,895; Feb. 28.
 Sign. A. J. and W. J. Zangerle. 1,680,581; Aug. 14.
 Sign, Adjustable street. W. K. Voorhees. 1,692,234; Nov. 20.
 Sign, Advertising. W. G. Browne and R. W. Olmsted. Des. 74,659-61; Mar. 13.
 Sign, Advertising. W. G. Browne and R. W. Olmsted. Des. 74,852; Apr. 3.
 Sign, Advertising. C. A. Harris and G. K. Roush. 1,671,861; May 29.
 Sign, Advertising. B. H. Kollman and E. R. Phillips. 1,675,357; July 3.
 Sign, Advertising. G. Du Priest. Des. 76,493; Oct. 2.
 Sign, Advertising. J. Huefner. Des. 76,929; Nov. 20.
 Sign, Advertising. R. H. Watkins. 1,690,149; Nov. 6.
 Sign, Advertising. J. A. Wesley. Des. 75,756; July 10.
 Sign and letter therefor, Illuminated. C. B. Ehnborn. 1,679,296; July 31.
 Sign and making same, Transparent. C. M. Rice. 1,663,386; Mar. 20.
 Sign and mounting the same. C. S. Willey. 1,687,602; Oct. 16.
 Sign and mounting the same, Display. R. G. Fishel. 1,688,139; Oct. 16.
 Sign and the like, Display. H. Kahn. 1,696,489; Dec. 25.
 Sign and traffic signal, Changeable. G. W. Stricker. 1,662,348; Mar. 13.
 Sign, Animated. S. J. Blocker. 1,678,320; July 24.
 Sign apparatus, Change. W. G. Reeder. 1,671,126; May 29.
 Signboard. A. Gordon. Des. 75,487; June 12.
 Signboard. H. L. Selle. Des. 74,764; Mar. 20.
 Signboard. C. Torregrossa. Des. 75,300; May 22.
 Signboard or similar article. H. Kanel. Des. 75,259; May 22.
 Sign, Changeable. C. A. Giroux. 1,679,520; Aug. 7.
 Sign, Changeable. G. J. Teague. 1,655,524; Jan. 10.
 Sign, Changeable. M. R. Thrower. 1,678,684; July 31.
 Sign, Changeable advertising. L. Thompson. 1,686,994; Oct. 9.
 Sign, Changeable-character. L. D. Farris. 1,671,707; May 29.
 Sign character and securing means therefor. J. D. Carney. 1,691,638; Nov. 13.
 Sign controller. M. Haase. 1,684,394; Sept. 18.
 Sign, Detachable. G. A. Elliott. 1,689,070; Oct. 23.
 Sign, Display. J. B. Auerbach. Des. 75,764; July 17.
 Sign, Display. E. J. Bliss. 1,696,878; Dec. 25.
 Sign, Display. H. E. Craft. 1,674,716; June 26.
 Sign, Display. O. C. Duryea. 1,668,636; May 8.
 Sign, Display. W. Herrschaft. 1,662,704; Mar. 13.
 Sign, Display. W. O. Prouty. 1,671,741; May 29.
 Sign, Display. P. J. Schelb. Des. 75,987; Aug. 7.
 Sign-displaying device. H. H. Snovel. 1,668,661; May 8.
 Sign, Electric. S. Gatkowski. 1,658,163; Feb. 7.
 Sign, Electric. S. Gatkowski. 1,675,851; July 3.
 Sign, Electric. L. Goldsmith. 1,695,895; Dec. 18.
 Sign, Electric. J. F. Ireland. 1,691,520; Nov. 13.
 Sign, Electric. J. E. Long. 1,681,491; Aug. 21.
 Sign, Electric. W. K. Wiley. 1,673,962; June 19.
 Sign element, Interchangeable. L. N. Moss. 1,683,570; Sept. 4.
 Sign-fastening device. L. C. Reis. 1,672,171; June 5.
 Sign flasher. E. W. Applebaum. 1,659,071; Feb. 14.
 Sign flasher. J. G. Ruckelshaus. 1,681,194; Aug. 21.
 Sign flashing mechanism, Illuminated. P. H. Schnormeier. 1,693,820; Dec. 4.
 Sign for automobiles. M. Witt. 1,666,545; Apr. 17.
 Sign for automobiles, Detachable. J. L. and H. A. Arnold. 1,690,156; Nov. 6.
 Sign for vehicles, Detachable. R. L. Sanchez. 1,691,939; Nov. 20.
 Sign, Identification. H. P. Maughlin. 1,657,089; Jan. 24.
 Sign, Illuminated. E. Lowinger. 1,685,822; Oct. 22.
 Sign, Illuminated. J. W. Whisenant. 1,678,755; July 31.
 Sign, Illuminated advertising. J. C. Smith. 1,663,392; Mar. 20.
 Sign, Illuminated display. F. B. Rae. 1,687,106; Oct. 9.

- Sign, Inlaid street directional and instruction. A. P. Sanna. 1,690,842; Nov. 6.
- Sign-letter fastening, Glass. A. H. Forger. 1,661,531; Mar. 6.
- Sign-letter plate. A. and R. Otto. 1,663,349; Mar. 20.
- Sign, Luminescent advertising. O. B. Shulhof. 1,693,059; Nov. 27.
- Sign or bulletin board, Interchangeable. C. Hansen. 1,677,919; July 24.
- Sign or signal, Road. S. E. W. Haines. 1,688,331; Oct. 23.
- Sign, Outdoor. W. C. James. 1,662,676; Mar. 13.
- Sign, Outdoor advertising. G. S. Johnson. 1,695,106; Dec. 11.
- Sign, Perforated. C. R. Cole. 1,658,883; Feb. 14.
- Sign, Photo-electric. A. Foltis. 1,656,110; Jan. 10.
- Sign plate. C. H. Orr. Des. 74,895; Apr. 10.
- Signpost. B. F. Grimshaw. Des. 74,744; Mar. 20.
- Sign-receptacle ring. M. N. Russell. Des. 74,804; Mar. 27.
- Sign, Road. D. Coffin. 1,654,961; Jan. 3.
- Sign, Road. N. S. Jewett. 1,680,545; Aug. 14.
- Sign, Road. T. H. Johns. Des. 77,006; Nov. 27.
- Sign, Road. L. L. Perdue. Des. 77,120; Dec. 4.
- Sign, Road. G. L. Pitt. Des. 75,696; July 3.
- Sign, Rotary illuminated motion. F. A. Gritt. 1,671,072; May 22.
- Sign, Rotatable. S. S. Benson. 1,680,658; Aug. 14.
- Sign, Rotatable. F. L. Hinks. 1,695,589; Dec. 18.
- Sign, Rubber stop. A. J. Stephens. 1,676,843; July 10.
- Sign, Scintillating. A. W. Sievers. 1,684,369; Sept. 11.
- Sign, Street. J. G. Ross. 1,683,921; Sept. 11.
- Sign support. M. K. Markman. Des. 75,378; May 29.
- Sign-supporting device. F. A. Oberheu. 1,676,835; July 10.
- Sign-supporting frame. H. B. Little. 1,656,150; Jan. 10.
- Sign, Transfer. J. W. Kaber. 1,678,341; July 24.
- Sign, Variegated and changeable color. P. Balnojan. 1,686,615; Oct. 9.
- Sign, Weatherproof. G. H. Allen. 1,679,288; July 31.
- Signboard, Combined display and advertising. J. B. Stockham and J. B. Hickman. Des. 76,562; Oct. 9.
- Signboard, Outdoor. W. M. James. Des. 76,616; Oct. 16.
- Signs, Character-mounting stick for changeable. P. Klimowicz. 1,686,160; Oct. 2.
- Signs, lamp shades, and other like articles, Method and apparatus for making display. W. E. Price. 1,693,817; Dec. 4.
- Signal: *See*—
- Auto signal.
 - Automatic signal.
 - Automobile alarm signal.
 - Automobile signal.
 - Automobile turn signal.
 - Auto signal.
 - Brake test signal.
 - Crossing signal.
 - Direction-indicating signal.
 - Direction signal.
 - Hand signal.
 - Hand-symbol signal.
 - Level signal.
 - Light signal.
 - Low-tire pressure signal.
 - Mail-box signal.
 - Optical signal.
 - Oscillating signal.
 - Pneumatic signal.
 - Pneumatic-tire signal.
 - Police signal.
 - Rail-crossing signal.
 - Railway-crossing signal.
 - Railway signal.
 - Reflecting signal.
 - Road signal.
 - Safety signal.
 - Sliding signal.
 - Sound signal.
 - Steam-pressure signal.
 - Stop and slow light signal.
 - Telephone signal.
 - Tire-deflation signal.
 - Tire-protecting signal.
 - Traffic signal.
 - Vehicle signal.
 - Vehicle traffic signal.
- Signal. W. D. Brettschneider. 1,676,766; July 10.
- Signal. W. A. Caldwell. 1,671,852; May 29.
- Signal. F. M. Crystler. 1,666,003; Apr. 10.
- Signal. R. S. Harter. 1,658,194; Feb. 7.
- Signal. G. A. Primrose. 1,672,085; June 5.
- Signal. C. S. Snively. 1,680,482; Aug. 14.
- Signal. W. Sparks. 1,668,343; May 1.
- Signal. J. L. Stevens. 1,683,496; Sept. 4.
- Signal. H. Werder. 1,664,871; Apr. 3.
- Signal. L. C. Woolery. 1,670,176; May 15.
- Signal apparatus. F. Klein. 1,675,713; July 3.
- Signal apparatus, Railway. W. Daya. 1,677,816; July 17.
- Signal box. J. P. Manick. 1,668,460; May 1.
- Signal box. S. A. Xippas. Des. 76,655; Oct. 16.
- Signal bracket. C. F. Haas. Des. 75,493; June 12.
- Signal clock. C. Kesses. 1,689,833; Oct. 30.
- Signal-control switch. P. Koroknay. 1,677,141; July 17.
- Signal-controlling apparatus. J. L. Reynolds. 1,655,843; Jan. 10.
- Signal device. S. J. Crew. 1,680,366; Aug. 14.
- Signal device. H. E. Fisher. 1,682,073; Aug. 28.
- Signal device. F. Hogg. 1,669,055; May 8.
- Signal device. G. Hulme. 1,678,470; July 24.
- Signal device. B. Hybarger. 1,656,822; Jan. 17.
- Signal device. E. A. Miller and C. A. James. 1,676,273; July 10.
- Signal device. H. E. Sipe. 1,695,827; Dec. 18.
- Signal device. R. G. Widmyer. 1,679,011; July 31.
- Signal device, Auto. T. B. Blevins and J. C. Phillips. 1,694,616; Dec. 11.
- Signal device, Auto. J. H. Duncan. 1,673,143; June 12.
- Signal device, Automatic railroad safety. M. Jeney and P. Orban. 1,664,297; Mar. 27.
- Signal device, Automobile. M. C. Merrill. 1,671,200; May 29.
- Signal device, Electrodynamic. C. R. Hanna. 1,691,243; Nov. 13.
- Signal device for automobiles. H. L. Le Blanc. 1,694,345; Dec. 4.
- Signal device for automobiles and controlling means for same. I. E. Gouckenour. 1,674,433; June 19.
- Signal device for oil-pump indicators, etc. E. A. Slye. 1,688,474; Oct. 23.
- Signal device, Tire-deflation. R. W. Rider. 1,694,232; Dec. 4.
- Signal devices, Vehicle. W. Hoppe. 1,661,071; Feb. 28.
- Signal-element construction. J. B. West. 1,687,961; Oct. 16.
- Signal faceplate. A. R. P. Johnson. Des. 74,928; Apr. 17.
- Signal faceplate. K. D. Lighthipe. Des. 75,128; May 8.
- Signal-flashing system. D. B. Harris. 1,655,787; Jan. 10.
- Signal for automobiles, Direction. H. A. Bailey. 1,655,402; Jan. 10.
- Signal for automobiles, Driving. W. L. Foster. 1,657,118; Jan. 24.
- Signal for automobiles, Electric. H. E. and G. D. Gordon. 1,676,948; July 10.
- Signal for motor vehicles. M. Smithey. 1,693,554; Nov. 27.
- Signal for motor vehicles, Traffic. J. T. Dailey and J. J. Jackson. 1,688,803; Oct. 23.
- Signal for pneumatic tires, Warning. W. F. Hahn. 1,687,761; Oct. 16.
- Signal for railroad tracks, Safety danger. G. F. Baker. 1,684,904; Sept. 18.
- Signal for toy railways, Danger. J. E. Cuff. Des. 75,957; Aug. 7.
- Signal for toy railways, Highway. J. E. Cuff. Des. 75,956; Aug. 7.
- Signal for vehicles, Direction. H. W. Nott. 1,654,943; Jan. 3.
- Signal for vehicles, Street stop. C. W. Klement. 1,696,277; Dec. 25.
- Signal for vehicular traffic, Street. J. A. Campbell. 1,688,409; Oct. 23.
- Signal head, Reflector. V. L. Oestnaes. 1,688,018; Oct. 16.
- Signal housing, Vehicle. C. Neilsen. Des. 74,385; Feb. 7.
- Signal instrument. G. E. King. 1,664,933; Apr. 3.
- Signal lamps, Check on light. E. C. Larry. 1,681,000; Aug. 14.
- Signal light, Automobile. J. M. Coon. 1,667,772; May 1.
- Signal-light casing. A. J. Moe. Des. 74,316; Jan. 24.
- Signal-light casing. V. Scatena. Des. 74,699; Mar. 13.
- Signal-light casing, Automobile. T. Lonet. Des. 75,633; June 26.
- Signal light, Hand. H. G. Essman. 1,688,179; Oct. 16.
- Signal means for boiling liquids. K. Zwart. 1,692,363; Nov. 20.
- Signal means for elevators, etc. W. H. Grover, C. E. Merritt, and W. S. Pooley. 1,686,693; Oct. 9.
- Signal means for typewriters. R. Seidelinger. 1,695,392; Dec. 18.
- Signal means, Motor-vehicle. H. Curnick and E. D. Specht. 1,686,267; Oct. 2.
- Signal mechanism. E. N. Winslow. 1,694,573; Dec. 11.
- Signal-monitoring system. V. H. Brown. 1,678,973; July 31.
- Signal observer, Traffic. W. C. Buttrick. 1,683,951; Sept. 11.
- Signal-operating means. G. J. Varoutsos. 1,682,643; Aug. 28.
- Signal or indicator for motor vehicles. M. Smithey. 1,693,555; Nov. 27.
- Signal or sign, Combination day and night. E. R. Boots. 1,655,091; Jan. 10.
- Signal or similar article, Casing for an elevator. K. D. Lighthipe. Des. 74,180; Jan. 3.
- Signal panel for automotive-vehicle signal device. M. Holmdahl. Des. 76,868; Nov. 13.
- Signal-post structure. H. Olsen. 1,679,623; Aug. 7.
- Signal-receiving circuits. A. H. Taylor and E. L. White. 1,669,217; May 8.
- Signal-receiving system. P. B. Murphy. 1,661,261; Mar. 6.
- Signal reception. H. T. Friis. 1,678,183; July 24.
- Signal reception, Highly-selective. R. A. Heising. 1,689,341; Oct. 30.
- Signal standard. H. C. Pfaff. Des. 76,633; Oct. 16.
- Signal switch, Automobile. H. J. Buckner. 1,680,854; Aug. 14.
- Signal switch, Automobile. S. M. Golombowski. 1,656,704; Jan. 17.
- Signal switch, Automobile. O. A. Hoeller. 1,690,370; Nov. 6.
- Signal switch for tanks. S. Antonelli. 1,693,131; Nov. 27.
- Signal switch for vehicles. S. P. Wiegner, C. W. Davidson, and H. R. Gordon. 1,683,852; Sept. 11.
- Signal switch, Hospital. J. O. Cadieux. 1,666,639; Apr. 17.
- Signal switch, Railway-crossing. R. L. Gray and J. F. Furman. 1,670,854; May 22.
- Signal switch, Speed. P. Ruegg. 1,663,098; Mar. 20.
- Signal system. R. A. Heising. 1,664,860; Apr. 3.
- Signal system. R. Hill. 1,655,370; Jan. 3.
- Signal system. H. Hubbell. 1,688,631; Oct. 23.
- Signal system. A. S. Mazzur. 1,685,853; Oct. 2.
- Signal system. J. Nelson. 1,659,890; Feb. 21.

- Signal system and device. G. A. Jackson. 1,685,848; Oct. 2.
- Signal system, Automatic block-. H. Arndt. 1,695,313; Dec. 18.
- Signal system, Electrical. C. V. Logwood. 1,688,820; Oct. 23.
- Signal system, Elevator. M. J. Finnegan. 1,686,606; Oct. 9.
- Signal system for railroads, Block-. W. S. Henry. 1,664,108; Mar. 27.
- Signal system for railroads, Block-. A. J. Vallée. 1,690,387; Nov. 6.
- Signal system, Railway-crossing. J. Otterman. 1,673,633; June 12.
- Signal system, Seat. W. C. Burrell. 1,689,227; Oct. 30.
- Signal system, Train-. W. E. Benn and G. E. Davies. 1,656,689; Jan. 17.
- Signal tab. H. J. Lindsay. 1,654,545; Jan. 3.
- Signal-transmission system. R. B. Meyer and L. C. Young. 1,663,717; Mar. 27.
- Signal transmitter, Multispeed variable-. N. H. Suren. 1,687,045; Oct. 9.
- Signal-transmitting switch, Electric. D. L. Harrison. 1,695,148; Dec. 11.
- Signal-valve device. C. C. Farmer. 1,679,024; July 31.
- Signaling apparatus. J. C. Gabriel and G. M. Thurston. 1,663,880; Mar. 27.
- Signaling apparatus. R. Gross. 1,655,364; Jan. 3.
- Signaling apparatus. N. H. Suren. 1,664,952; Apr. 3.
- Signaling apparatus. L. S. Thèremin. 1,658,953; Feb. 14.
- Signaling apparatus, Discriminating. J. E. Ostline. 1,671,778; May 29.
- Signaling apparatus, Electric. F. Favarger. 1,685,776; Oct. 2.
- Signaling apparatus for vehicles. F. A. E. Goodroad. 1,686,691; Oct. 9.
- Signaling apparatus for vehicles, more particularly motor cars. J. Parcq. 1,661,343; Mar. 6.
- Signaling apparatus for waiters. K. Schmidt. 1,674,223; June 19.
- Signaling apparatus, Railway. R. M. Gilson. 1,687,124; Oct. 9.
- Signaling apparatus, Railway. R. M. Gilson. 1,692,647; Nov. 20.
- Signaling apparatus, Railway. L. H. Peter and C. H. W. Edmonds. 1,673,339; June 12.
- Signaling apparatus, Railway. A. A. Skene. 1,687,111; Oct. 9.
- Signaling apparatus, System of synchronizing. A. L. Matte. 1,660,388-9; Feb. 28.
- Signaling apparatus, Wireless. S. E. Leonard, jr. 1,685,923; Oct. 2.
- Signaling by high-frequency currents. A. J. Kloneck. 1,680,554; Aug. 14.
- Signaling device. F. W. Avers. 1,673,794; June 19.
- Signaling device. A. O. Beckman. 1,684,659; Sept. 18.
- Signaling device. F. W. Billig. 1,684,906; Sept. 18.
- Signaling device. H. A. Cahill and H. H. Dennis. 1,661,875; Mar. 6.
- Signaling device. B. A. Crenshaw. 1,692,333; Nov. 20.
- Signaling device. M. B. Halliday. 1,686,283; Oct. 2.
- Signaling device. C. A. B. Halvorson, jr., and R. B. Hussey. 1,670,682; May 22.
- Signaling device. H. W. Henry. 1,694,010; Dec. 4.
- Signaling device. O. Kersten. 1,667,206; Apr. 24.
- Signaling device. M. A. Maynard. 1,662,711; Mar. 13.
- Signaling device. A. L. Mettler. 1,693,309; Nov. 27.
- Signaling device. M. E. Mitchell. 1,691,400; Nov. 13.
- Signaling device. W. J. Morse. 1,656,385; Jan. 17.
- Signaling device. W. Sparks. 1,667,172; Apr. 24.
- Signaling device. W. Sparks. 1,691,363; Nov. 13.
- Signaling device. W. Sparks, T. J. Scofield, L. E. Johnson, and F. W. Billig. 1,684,895; Sept. 18.
- Signaling device. W. Sparks, T. J. Scofield, L. E. Johnson, and F. W. Billig. 1,691,215; Nov. 13.
- Signaling device. E. F. Steblay. 1,669,679; May 15.
- Signaling device. G. A. White. Des. 74,584-5; Feb. 28.
- Signaling device. G. A. White and W. Sparks. 1,691,321; Nov. 13.
- Signaling device, Acoustic. R. O. Hood. 1,669,827; May 15.
- Signaling device, Automobile. I. G. Krieger. 1,677,351; July 17.
- Signaling device, Automobile. D. B. O'Kelly. 1,670,548; May 22.
- Signaling device, Automobile speed-warning. W. J. Craft and O. M. Clinton. 1,666,441; Apr. 17.
- Signaling device for automobiles. W. J. Burt. 1,679,810; Aug. 7.
- Signaling device for automobiles. C. L. White. 1,675,203; June 26.
- Signaling device for cross-feed mechanisms. H. A. Silven. 1,687,398; Oct. 9.
- Signaling device for motor cars and the like. G. Frenkel. 1,682,497; Aug. 28.
- Signaling device for vehicles, Electric. D. F. Murphy and L. Cotter. 1,676,571; July 10.
- Signaling, Electric. H. J. J. M. de R. de Bellescize. 1,687,063; Oct. 9.
- Signaling, Electrical. W. F. Friedman. 1,694,874; Dec. 11.
- Signaling, High-frequency. B. W. Kendall. 1,694,473; Dec. 11.
- Signaling, High-frequency. E. Peterson. 1,695,058; Dec. 11.
- Signaling means for toy tracks, Automatic. H. S. Becker. 1,692,285; Nov. 20.
- Signaling means, Vehicle. J. P. Carter. 1,638,818; Sept. 11.
- Signaling mechanism, Automatically operable. R. A. Stallings. 1,669,310; May 8.
- Signaling mechanism, Automobile. F. E. and F. H. Van ness. 1,675,070; June 26.
- Signaling, Method of and system for electrical. J. H. Hammond. 1,694,654; Dec. 11.
- Signaling, Multiplex carrier-current. H. Nyquist. 1,684,455; Sept. 18.
- Signaling or broadcasting device, Ship's. C. B. Mills. 1,673,269; June 12.
- Signaling, Pedal apparatus for railway. J. E. Colas. 1,668,267; May 1.
- Signaling, Power-line. W. V. Wolfe. 1,678,133; July 24.
- Signaling, Railway. G. W. Baughman. 1,688,173; Oct. 16.
- Signaling, Railway. R. S. Blair. 1,684,386; Sept. 18.
- Signaling, Railway. S. M. Lucas. 1,676,788; July 10.
- Signaling, Secret. J. F. Farrington. 1,687,932; Oct. 16.
- Signaling, Submarine. J. J. Gilbert. 1,678,184; July 24.
- Signaling, Submarine. J. J. Gilbert. 1,689,020; Oct. 23.
- Signaling system. L. F. Bird. 1,696,590; Dec. 25.
- Signaling system. O. E. Buckley. 1,668,888; May 8.
- Signaling system. A. M. Curtis. 1,673,042; June 12.
- Signaling system. A. M. Curtis. 1,675,096; June 26.
- Signaling system. R. D. Evans. 1,689,867; Oct. 30.
- Signaling system. J. F. Farrington. 1,692,437; Nov. 20.
- Signaling system. W. S. Gorton. 1,695,844; Dec. 18.
- Signaling system. L. A. Hazeltine. 1,656,888; Jan. 17.
- Signaling system. R. A. Heising. 1,687,244; Oct. 9.
- Signaling system. R. K. Honaman. 1,684,445; Sept. 18.
- Signaling system. M. B. Kerr. 1,680,550; Aug. 14.
- Signaling system. L. R. Krumm. 1,689,835; Oct. 30.
- Signaling system. G. A. Locke. 1,670,461; May 22.
- Signaling system. G. A. Locke and H. H. Haglund. 1,681,489; Aug. 21.
- Signaling system. J. Mills. 1,661,004; Feb. 28.
- Signaling system. A. A. Oswald. 1,689,293; Oct. 30.
- Signaling system. K. C. Randall. 1,660,886; Feb. 28.
- Signaling system. A. Raynsford. 1,673,124; June 12.
- Signaling system. N. A. Robinson. 1,661,962; Mar. 6.
- Signaling system. S. P. Shackleton. 1,672,957; June 12.
- Signaling system. F. J. Singer. 1,665,283; Apr. 10.
- Signaling system. C. A. Sprague. 1,688,997; Oct. 23.
- Signaling system. O. C. Traver. 1,658,660; Feb. 7.
- Signaling system and mechanism. L. E. Oneal. 1,693,663; Dec. 4.
- Signaling system, Carrier. E. I. Green. 1,677,966; July 24.
- Signaling system, Composite. H. W. Drake. 1,687,432; Oct. 9.
- Signaling system, Electric wave. L. M. Clement. 1,695,039; Dec. 11.
- Signaling system, Electric wave. A. W. Kishpaugh. 1,675,889; July 3.
- Signaling system, Electric-wave. F. M. Ryan. 1,658,210; Feb. 7.
- Signaling system, Electrical. J. F. Farrington. 1,687,933; Oct. 16.
- Signaling system for elevators. R. H. Gaylord. 1,696,842; Dec. 25.
- Signaling system for railway yards, Cab. C. W. Failor. 1,681,977; Aug. 28.
- Signaling, System for secret. L. J. Sivian. 1,654,900; Jan. 8.
- Signaling system, High-frequency. W. R. G. Baker. 1,683,230; Sept. 4.
- Signaling system, High-frequency. W. J. Brown. 1,677,268; July 17.
- Signaling system, High-frequency. E. F. Carter. 1,696,593; Dec. 25.
- Signaling system, High-frequency. R. K. Potter. 1,691,990; Nov. 20.
- Signaling system, High-frequency duplex. E. F. Carter. 1,696,566; Dec. 25.
- Signaling system, High-frequency duplex. E. F. Carter. 1,696,595; Dec. 25.
- Signaling system, Multiplex. S. Brand. 1,669,448-9; May 15.
- Signaling system or the like. N. H. Holland. 1,696,544; Dec. 25.
- Signaling system, Power-line. H. H. Buttner. 1,669,589; May 15.
- Signaling system, Radio. L. de Forest and C. V. Logwood. 1,680,207; Aug. 7.
- Signaling system, Secrecy. A. Carpe. 1,676,321; July 10.
- Signaling system, Selective. T. M. Davis. 1,683,127; Sept. 4.
- Signaling system, Selective. C. S. Demarest. 1,691,962; Nov. 20.
- Signaling system, Two-way radio. R. C. Mathes. 1,691,076; Nov. 13.
- Signaling system, Wave. E. H. Armstrong. 1,675,323; July 3.
- Signaling system, Wave. L. A. Hazeltine. 1,692,257; Nov. 20.
- Signaling system, Wave. H. W. Houck. 1,686,005; Oct. 2.

- Signaling systems, Arrangement of carrier channels in multiplex. W. B. Nottingham. 1,665,673; Apr. 10.
- Signaling systems, Reducing cross talk in carrier-current. H. S. Black. 1,676,627; July 10.
- Signals, Apparatus for the control of highway-crossing. H. S. Young and R. M. Gilson. 1,688,912; Oct. 23.
- Signals between moving vehicles and roadbeds, Method and arrangement for transferring. W. Wurst. 1,661,744; Mar. 6.
- Signals, Electric controller device for. S. J. Eyrse. 1,669,509; May 15.
- Signals, Indication for color light. S. M. Day. 1,680,971; Aug. 14.
- Signals, System of. S. J. Vassallo y Valladares. 1,672,589; June 5.
- Signature gatherer. C. A. Juengst. 1,655,423; Jan. 10.
- Silencer. H. P. Maxim. 1,695,435; Dec. 18.
- Silencer for internal combustion or other engines, Exhaust. F. Heather. 1,695,375; Dec. 18.
- Silencing device for rattling sash windows. M. O. Winkler. 1,674,079; June 19.
- Silica gel, Making. M. Yablick. 1,687,919; Oct. 16.
- Silica gels and making the same. H. N. Holmes and J. A. Anderson. 1,665,264; Apr. 10.
- Silica product and fabrication, Cellular. H. L. Watson. 1,669,363; May 8.
- Silicate and making same, Base exchange. E. Nordell. 1,687,036; Oct. 9.
- Silicate and producing same, Water-softening. E. W. Shawen and A. C. Arnett. 1,693,873; Dec. 4.
- Silicon carbide and calcium carbide, Production of. H. E. White. 1,660,144; Feb. 21.
- Silk and other artificial textile products from cellulose solutions by the dry or evaporative method, Process and apparatus for the manufacture of artificial. S. I. Vies and M. P. A. Bouman. 1,672,665; June 5.
- Silk, Apparatus for the manufacture of artificial. N. B. Grillet. 1,695,094; Dec. 11.
- Silk, Apparatus for the manufacture of artificial. J. E. G. Labousse. 1,695,111; Dec. 11.
- Silk, Apparatus for the manufacture of artificial. F. W. Schubert. 1,662,478; Mar. 13.
- Silk, artificial horsehair, and the like, Manufacture of artificial. H. Dreyfus. 1,688,531; Oct. 23.
- Silk cleaner. F. Bauman. 1,690,522; Nov. 6.
- Silk filaments by drawing, Producing artificial. K. Grunert. 1,665,453; Apr. 10.
- Silk, Manufacture and production of artificial. C. M. Whittaker. 1,670,919; May 22.
- Silk, Manufacture of artificial. H. P. Bassett. 1,676,003; July 3.
- Silk, Manufacture of artificial. F. W. Schubert. 1,657,697; Jan. 31.
- Silk, Method, and apparatus for making artificial. J. M. Leaver. 1,685,640; Sept. 25.
- Silk or the like, Manufacture of artificial. J. L. Rush-ton. 1,671,785; May 29.
- Silk, Process for the after treatment of freshly-spun artificial. F. J. Gahlert. 1,666,090; Apr. 17.
- Silk, Production of artificial. W. H. Glover and C. F. Topham. 1,665,958; Apr. 10.
- Silk, Treating. J. C. Mackey and J. S. Kaufman. 1,666,501; Apr. 17.
- Silk, Treating natural. S. S. Sadtler and E. C. Lathrop. 1,671,786; May 29.
- Sill and bolster clamp. J. Piegras. 1,669,627; May 15.
- Sill, Bus-body. M. L. Wiener. 1,675,074; June 26.
- Silo. E. Barthelmeß. 1,692,610; Nov. 20.
- Silo fillers, Adjustable deflector for. W. C. Faber. 1,663,161; Mar. 20.
- Silo or tank lug. H. C. Rassmann. 1,680,913; Aug. 14.
- Silo, Portable. S. D. Ruth. 1,656,954; Jan. 24.
- Silo seal. F. Günther. 1,663,478; Mar. 20.
- Silos, Cap for. W. A. Parsons. 1,695,502; Dec. 18.
- Silos, Discharge funnel for. E. Sobek. 1,668,825; May 8.
- Silvering and beveling small mirrors. B. F. Kelly. 1,664,300; Mar. 27.
- Singeing device for yarns of all kinds, Gas. R. Müller-Zöllinger. 1,669,033; May 8.
- Singer. H. C. Vollmer and G. H. Repke. 1,670,998; May 22.
- Singer, Hog. T. Olsen and J. W. May. 1,667,946; May 1.
- Sink attachment. R. Panunzi. 1,684,805; Sept. 18.
- Sink cleaner. H. Bamberger. 1,681,082; Aug. 14.
- Sink faucet, Combination. R. H. Mueller. Des. 77,022-4; Nov. 27.
- Sink-head top. M. P. Trembour. 1,665,515; Apr. 10.
- Sink unit, Combination. W. H. Woodin, jr. 1,676,717; July 10.
- Sinker and bait fastener. L. B. Lemaire. 1,656,440; Jan. 17.
- Sinker, Floating. J. W. Bond. 1,670,184; May 15.
- Sinking down bridge piers, Apparatus for. S. Hara. 1,672,936; June 12.
- Sintering machine. B. G. Klugh. 1,690,231; Nov. 6.
- Sintering machines, Pallet and grate for. J. C. Devick. 1,669,458; May 15.
- Sintering, Method of and apparatus for. H. J. Stehli. 1,680,345; Aug. 14.
- Siphon. F. J. Havelick. 1,663,840; Mar. 27.
- Siphon. P. Magnin. 1,661,699; Mar. 6.
- Siphon. J. Riley. 1,668,419; May 1.
- Siphon attachment. A. L. Armbruster and C. W. Madison. 1,691,695; Nov. 13.
- Siphon for locomotives, Thermic. J. L. Nicholson. 1,679,051; July 31.
- Siphon, Pressure. C. A. Davis. 1,675,534; July 3.
- Siphon, Suprapubic. C. E. Hare. 1,696,763; Dec. 25.
- Siren-control system. H. S. Campbell. 1,672,302; June 5.
- Siren squawker. G. B. Keplinger. 1,682,341; Aug. 28.
- Sirups, Making. F. B. Lomax. 1,681,490; Aug. 21.
- 6n-pole windings, Arrangement of. H. Weinert. 1,676,123; July 3.
- Size marker for hats. J. P. Kuhns. 1,667,162; Apr. 24.
- Size or dressing, Making a. A. Boidin and J. Effront. 1,677,614; July 17.
- Sizers, Up-edging means for fruit. E. M. Wayland. 1,696,066; Dec. 18.
- Sizing apparatus. E. A. White. 1,668,665; May 8.
- Sizing apparatus. E. A. White. 1,685,207; Sept. 25.
- Sizing apparatus for coke or the like. A. G. Molin. 1,677,838; July 17.
- Sizing apparatus for fruit, melons, vegetables, and the like. A. W. Phelps. 1,696,554; Dec. 25.
- Sizing device for grinding machines, Automatic. A. P. Steiner. 1,677,307; July 17.
- Sizing fibers. H. L. Becher. 1,678,720; July 31.
- Sizing frame. Rug. A. L. Stewart. 1,685,689; Sept. 25.
- Sizing machine, Peach. W. H. Taylor. 1,682,054; Aug. 28.
- Skate. C. B. Drevitson. 1,666,690; Apr. 17.
- Skate. P. Vincent. 1,678,579; July 24.
- Skate and ski, Combined. O. O. Nygaard. 1,658,093; Feb. 7.
- Skate blades with thickened edges, Manufacture of. H. Dornseif. 1,684,950; Sept. 18.
- Skate brake, Motor roller. M. Rodelli. 1,694,671; Dec. 11.
- Skate, Ice. A. R. Fergusson. 1,696,597; Dec. 25.
- Skate, Roller. J. Cohen. 1,681,841; Aug. 21.
- Skate, Roller. B. E. Colwell. 1,694,374; Dec. 11.
- Skate roller. E. A. Copeland. 1,666,168; Apr. 17.
- Skate, Roller. L. V. Davis. 1,673,405; June 12.
- Skate, Roller. W. A. Slusher. 1,687,739; Oct. 16.
- Skate, Roller. G. Vass. 1,672,700; June 5.
- Skate scabbard. H. H. Kaskey. 1,686,667; Oct. 9.
- Skate, Tracklaying. F. Buitenkamp. 1,694,162; Dec. 4.
- Skate, Water. J. W. Keene. 1,695,191; Dec. 11.
- Skate wheel. H. Casler. 1,665,874; Apr. 10.
- Skates, Runner attachment for. N. B. Anderson. 1,670,226; May 15.
- Skein with the thread crossed in the form of a figure eight for the examination of the yarn and an apparatus for the production of the skein. A. Zanchi. 1,672,144; June 5.
- Skeining apparatus. C. S. Thompson. 1,662,686; Mar. 13.
- Skeining device. F. Gegauf. 1,657,254; Jan. 24.
- Skeleton structure such as aircraft fuselages. F. Sigrist and S. Camm. 1,691,362; Nov. 13.
- Ski attachment. C. Dumais. 1,665,537; Apr. 10.
- Ski handle. A. E. Martinson. 1,684,326; Sept. 11.
- Skis, Power-driven. H. E. Pearson. 1,684,846; Sept. 18.
- Skid, Automatic. J. B. Ladd. 1,682,133; Aug. 28.
- Skidder, Tractor-driven. J. V. L. Peacock. 1,688,984; Oct. 23.
- Skidding and loading equipment, Overhead cableway. M. H. Dickinson and J. H. Dickinson. 1,685,911; Oct. 2.
- Skillet. C. A. Massing. 1,665,037; Apr. 3.
- Skim gate. S. Zoda. 1,657,952; Jan. 31.
- Skin cleansing and massaging device. W. J. Rancourt. 1,683,410; Sept. 4.
- Skirt marker. O. V. Tolbert. 1,662,407; Mar. 13.
- Skiving machine. J. I. Haase. 1,679,569; Aug. 7.
- Skiving machine. E. E. Lane. 1,670,514; May 22.
- Skiving machine. E. J. Ray. 1,688,434; Oct. 23.
- Skiving machine. A. R. Ridderstrom. 1,690,595; Nov. 6.
- Skylight. W. Schwartz. 1,684,641; Sept. 18.
- Skylight and floor-light construction, Shield for. L. W. Mulford. 1,681,741; Aug. 21.
- Skylight and ventilator, Combination. L. S. Rysdon. 1,668,421; May 1.
- Skylight construction. S. E. Cibulas. 1,656,044; Jan. 10.
- Skylight-operating device, Ventilating. A. H. Nesheim. 1,664,894; Apr. 3.
- Slack puller and jack. I. B. Hart. 1,686,501; Oct. 2.
- Slab and wall constructed therefrom, Compound. G. R. Meyer cord. 1,659,326; Feb. 14.
- Slab, Concrete crossing. F. D. Coppock. 1,672,752; June 5.
- Slabs, Device for forming. G. C. Martin. 1,663,805; Mar. 27.
- Slack adjuster. J. W. Clark. 1,663,623; Mar. 27.
- Slate blocks, Method of and apparatus for automatically splitting or cleaving. H. G. Williams. 1,564,770; Jan. 3.
- Slate picker. F. R. Smith. 1,659,899; Feb. 21.
- Slate-surfacing machine and process. C. L. Keller. 1,669,166; May 8.
- Slaughtering device. E. Kreft. 1,675,856; July 3.
- Sled. J. A. Glacken. 1,686,745; Oct. 9.
- Sled. A. Johnson. 1,655,223; Jan. 3.
- Sled. J. Juliano. 1,679,975; Aug. 7.
- Sled. W. Lorusso. 1,658,490; Feb. 7.
- Sled. R. Rossi. 1,681,686; Aug. 21.
- Sled. J. W. Roth. 1,676,159; July 3.
- Sled. A. B. Scoville. 1,655,713; Jan. 10.

- Sled attachment for motor vehicles. A. Otto. 1,693,862; Dec. 4.
- Sled runner for automobiles. B. Golembiewski. 1,694,215; Dec. 4.
- Sled, Scooter. A. E. Rainey. 1,667,436; Apr. 24.
- Sled, Scooter. S. G. Richards. 1,659,048; Sept. 14.
- Sleeper and rail fastening. Railroad. J. A. Silver. 1,659,616; Feb. 21.
- Sleeping bag. J. G. Leibold. 1,670,460; May 22.
- Sleeping bag. M. Petrescu. 1,678,125; July 24.
- Sleeve remover. L. P. Lynch. 1,658,384; Feb. 7.
- Sleeve, Adjustable shirt. M. Weiner. 1,670,644; May 22.
- Sleeve adjuster, Shirt. G. H. Hesse. 1,658,897; Feb. 14.
- Sleeve, Anatomical. D. R. Barr. 1,667,409; Apr. 24.
- Sleeve assembly for valve stems, piston rods, spindles, plungers, and the like. C. V. Foulds. 1,685,418; Sept. 25.
- Sleeve holder. A. L. Black. 1,667,583; Apr. 24.
- Sleeve-like articles. Process of and apparatus for making. H. N. Anderson. 1,668,996; May 8.
- Sleeve-valve engine. S. J. Blumenthal. 1,671,271; May 29.
- Sleeve-valve engine. K. W. Najder. 1,688,741; Oct. 23.
- Sleeve-valve engine, Segmental. P. H. Conklin. 1,677,582; July 17.
- Sleigh. W. J. Robertson. 1,683,846; Sept. 11.
- Sleigh, Automobile. F. J. Steffler. 1,661,511; Mar. 6.
- Sleigh, Motor. J. Löfström and O. Löfström. 1,682,622; Aug. 28.
- Sleigh, Motor-driven. W. A. Olson. 1,694,829; Dec. 11.
- Slicer. W. H. Harman. 1,680,988; Aug. 14.
- Slicer, Bread. T. R. Smith. 1,667,994; May 1.
- Slicer, Cheese. C. F. Frank. 1,658,675; Feb. 7.
- Slicer, Cheese. C. H. Von Glahn. 1,659,340; Feb. 14.
- Slicer, Cheese. C. H. von Glahn. Re17,175; Dec. 25.
- Slicer, Vegetable. C. H. Ayars. 1,676,241; July 10.
- Sliding machine. P. Abalsamo. 1,685,184; Sept. 25.
- Sliding machine. A. Boisvert. 1,670,233; May 15.
- Sliding machine. J. W. Buck. 1,663,543; Mar. 27.
- Sliding machine. W. J. Campbell. 1,685,271-2; Sept. 25.
- Sliding machine. W. J. Campbell. 1,685,906; Oct. 2.
- Sliding machine. J. Folk. 1,677,437; July 17.
- Sliding machine. P. J. Lucey. 1,687,729; Oct. 16.
- Sliding machine. E. M. Stiles. 1,662,214-5; Mar. 13.
- Sliding machine. H. Stukart. 1,667,958; May 1.
- Sliding machine. J. C. Trouvalis. 1,687,809; Oct. 16.
- Sliding machine. C. F. M. van Borkel. 1,687,072; Oct. 9.
- Sliding machine. L. E. Wackerle. 1,675,287; June 26.
- Sliding machine. W. E. Wolff. 1,674,385; June 19.
- Sliding machine, Bread. E. C. Brock. 1,683,445; Sept. 4.
- Sliding machine, Meat. L. L. Bloch. 1,688,573; Oct. 23.
- Sliding machine, Meat. J. A. Nordin. 1,675,659; July 3.
- Sliding machine. Sanitary butter. J. S. Donnellan. 1,690,480; Nov. 6.
- Sliding machine, Self-reversing. H. Rossow. 1,663,776; Mar. 27.
- Sliding machine, Vegetable. J. H. Kintzele. 1,667,321; Apr. 24.
- Sliding machines. Driving mechanism for. R. Bachman. 1,692,918; Nov. 27.
- Sliding machines. Gripping device for. J. Folk. 1,692,336; Nov. 20.
- Sliding machines. Slice deflector for. H. Thomas. 1,663,634; Mar. 27.
- Sliding machines. Slice deflector for. H. Thomas. 1,663,782; Mar. 27.
- Sliding, toasting, and buttering machine, Automatic. R. Lentz. 1,666,335; Apr. 17.
- Slide, Belt-adjusting. E. S. Mix. 1,675,040; June 26.
- Slide carrier. E. S. Porter. 1,657,034; Jan. 24.
- Slide, Child's. C. A. Zeman. 1,660,737; Feb. 28.
- Slide construction. G. E. Prentice. 1,679,783; Aug. 7.
- Slide for automatic fasteners. J. C. Anderegg. 1,669,923; May 15.
- Slide for extension tables. C. E. Bowers. 1,692,618; Nov. 20.
- Slide holder. W. T. Birdsall. 1,679,928; Aug. 7.
- Slide rules, Magnifying device for. F. Wömpner. 1,667,449; Apr. 24.
- Slide structure, Adjustable. A. Rubin. 1,671,784; May 29.
- Slider for fasteners and making the same. G. E. Prentice. 1,679,784; Aug. 7.
- Sliding-jaw wrench. E. Lindquist. 1,683,201; Sept. 4.
- Sliding signal. J. C. Rorison. 1,692,313; Nov. 20.
- Sling, Rope. C. D. Meals. 1,686,288; Oct. 2.
- Slip for drilling rigs, etc. J. H. Smith. 1,659,639; Feb. 21.
- Slip indicator. R. T. Pierce. 1,686,638; Oct. 9.
- Slip joint. E. I. Braddock. 1,690,714; Nov. 6.
- Slip-regulator control. G. H. Jump. 1,669,132; May 8.
- Slip-ring assembly with short-circuiting contact. H. Richter. 1,695,859; Dec. 18.
- Slip sheeting and practicing the same. H. and E. Caton and L. C. Howard. 1,693,886; Dec. 4.
- Slipper. J. Emanuel. Des. 75,031; May 1.
- Slipper. H. Friedman. 1,667,629; Apr. 24.
- Slipper. J. Koller. 1,663,376; Mar. 20.
- Slipper and making the same. Ballet. S. Capezio. 1,693,174; Nov. 27.
- Slipper, Ballet. M. I. Rovick. 1,689,535; Oct. 30.
- Slipper, Roudoir. H. Wilhelm. Des. 75,757; July 10.
- Slipper, Boudoir. S. Wrobel. Des. 77,346; Dec. 25.
- Slipper, Dancng. J. Selva. 1,655,198; Jan. 3.
- Slipper, House. P. S. B. Jensen. 1,661,726; Mar. 6.
- Slippers, Making. M. Caspler. 1,662,917; Mar. 20.
- Slipping drive. C. O. Thomas. 1,669,359; May 8.
- Slips and the like, Shoulder-ribbon device for ladies'. L. B. Andrew. 1,660,778; Feb. 28.
- Slit block. R. Halpenny. 1,692,256; Nov. 20.
- Slit construction, Fine. J. Kaufmann. 1,683,621; Sept. 11.
- Slitting machine. A. E. Collins. 1,687,607; Oct. 16.
- Slitting machine. F. G. Crane. 1,677,915; July 24.
- Slitting machine. R. M. Johnstone. 1,678,340; July 24.
- Slitting machine. F. W. Merrick. 1,695,715; Dec. 18.
- Slitting machine, Edge. L. Meylach. 1,669,481; May 15.
- Slitting machine, Pipe. B. C. Travis. 1,695,513; Dec. 18.
- Slitting means. J. A. Cameron. 1,692,815; Nov. 27.
- Slitting roll of machines for forming expanded metal. H. M. Gersman and W. H. Klocke. 1,665,349; Apr. 10.
- Sliver and analogous can. J. A. and J. H. A. Sutcliffe. 1,672,581; June 5.
- Slope sheet and making the same. W. E. Wine. 1,691,793; Nov. 13.
- Slot machine. F. L. Williams and G. F. Kraft. 1,679,458; Aug. 7.
- Slotting machine. C. B. Pearsall. 1,670,314; May 22.
- Slotting machine. C. R. Seymour. 1,670,317; May 22.
- Slotting machines, Attachment for paper. E. G. Staudé. 1,687,522; Oct. 16.
- Slotting metal plates. E. A. Johnson. 1,662,115; Mar. 13.
- Slots with rotating tip, Cutting. C. J. Coberly. 1,670,495; May 22.
- Slub catcher. D. Gravel. 1,695,236; Dec. 11.
- Slub catcher. A. Seeley. 1,664,794; Apr. 3.
- Slub catcher or yarn cleaner. E. R. Swanson. 1,665,287; Apr. 10.
- Sludge, Apparatus for mixing. R. Beattie. 1,667,235; Apr. 24.
- Sludge from boilers, Removing. C. A. Kothé. 1,696,005; Dec. 18.
- Sludge, Mixing. R. Beattie. 1,660,248; Feb. 21.
- Sludge treatment. L. B. Smith and G. W. Jamison. 1,676,294; July 10.
- Slug-casting machine. A. J. Stouges. 1,674,706; June 26.
- Slug-casting machines, Quad block for. A. Archer. 1,665,248; Apr. 10.
- Slug for cleaning castings. C. M. Read. 1,682,246; Aug. 28.
- Slug or bunch catcher. T. J. Sands. 1,677,110; July 10.
- Slug-trimming mechanism. G. P. Kingsbury. 1,656,639; Jan. 17.
- Slug-trimming mechanism. S. Smith. 1,655,075; Jan. 3.
- Sluice-box trap. F. S. Morgan. 1,670,206; May 15.
- Sluice gate. H. W. Holmes and E. B. Philips. 1,663,406; Mar. 20.
- Smash preventer. E. E. Lambert. 1,669,340; May 8.
- Smelting apparatus. C. E. Glessner. 1,686,912; Oct. 9.
- Smelting, Apparatus for. H. W. Hall. 1,681,535; Aug. 21.
- Smelting furnace. J. A. Lanigan. 1,682,343; Aug. 28.
- Smoke box. J. E. Covey. 1,694,163; Dec. 4.
- Smoke box, Locomotive. W. L. Lentz. 1,656,380; Jan. 17.
- Smoke-chamber lining. J. D. Covert. 1,677,914; July 24.
- Smoke consumer. G. Dinardo. 1,657,375; Jan. 24.
- Smoke consumer. G. and H. Michael. 1,679,909; Aug. 7.
- Smoke consumer and soot blower. W. D. Boyce. 1,678,764; July 31.
- Smoke consuming or cleaning device. W. C. Mitchell. 1,630,804; Feb. 28.
- Smoke jack. S. A. Williams. 1,664,473; Apr. 3.
- Smoke jack, Ventilating sectional. J. W. Orrock. Re-16,958; May 8.
- Smoke-generating furnace. U. Nardone. 1,658,136; Feb. 7.
- Smoke pipe. C. H. Lyon. 1,658,728; Feb. 7.
- Smoke protector. W. D. Mitchell. 1,679,839; Aug. 7.
- Smoked joint meats, Preparing. A. W. Cushman. 1,678,809; July 31.
- Smoker's appliance. D. W. Causey. 1,661,215; Mar. 6.
- Smoker's appliance. S. F. Maloney. 1,664,937; Apr. 3.
- Smoker's article. A. A. Badler. 1,677,946; July 24.
- Smoker's combination stand. A. W. Jurado and C. J. Santori. Des. 74,177; Jan. 3.
- Smoker's mouthpiece. A. Ganzfried and W. B. Clary. 1,665,023; Apr. 3.
- Smoker's outfit and receptacle for game accessories, Combined. H. L. Long. Des. 77,107; Dec. 4.
- Smoker's pipe. J. J. Papson. 1,686,419; Oct. 2.
- Smoker's pipe. A. Schock and K. Singer. 1,671,908; May 29.
- Smoker's receptacle. B. Putterman. Des. 76,417; Sept. 25.
- Smoker's set. W. B. Campbell. Des. 75,610; June 26.
- Smoker's set. B. R. Hendrickson. Des. 75,243; May 22.
- Smoker's stand. J. H. Bradnack. Des. 76,518; Oct. 9.
- Smoker's stand. J. H. Bradnack. 1,681,025; Aug. 14.
- Smoker's stand. A. Kappenberg. 1,663,601; Mar. 27.
- Smoker's stand. S. C. Kyle. Des. 74,837; Apr. 3.
- Smoker's stand. J. K. Richie. Des. 75,587; June 19.
- Smoker's stand. E. Savery. 1,670,525; May 22.
- Smoker's stand. J. W. Savery. 1,662,171; Mar. 13.
- Smoker's stand. A. C. Schaff. Des. 74,523; Feb. 21.
- Smoker's stand. A. C. Schaff. Des. 76,205-6; Aug. 28.
- Smoker's stand. P. Silberhartz. 1,679,791; Aug. 7.
- Smoker's stand. R. J. Stevenson and H. T. Colby. 1,660,771; Feb. 28.
- Smoker's stand. G. A. Wendt. Des. 75,708; July 3.
- Smoker's stand. C. Wilmanns. Des. 75,995; Apr. 24.

- Smoking device. O. E. Tate, sr. 1.662.762; Mar. 13.
 Smoking pipe. L. G. Darling. 1.658.286; Feb. 7.
 Smoking pipe. T. C. De Vore. 1.672.807; June 5.
 Smoking pipe. N. Friedmann. 1.669.045; May 8.
 Smoking pipe. G. Iilshansky. 1.671.899; May 29.
 Smoking pipe. H. C. Reese. 1.666.914; Apr. 24.
 Smoking pipe. A. J. Sorbello. Des. 74,334; Jan. 24.
 Smoking pipe. A. J. Sorbello. 1.669.853; May 8.
 Smoking pipe. M. Unger. 1.659,643; Feb. 21.
 Smoking pipe. F. S. Whitney. 1.659.287; Feb. 14.
 Smoking pipe, Sectional. D. Barker. 1.669.369; May 8.
 Smoking set. S. Young. Des. 76,110; Aug. 14.
 Smoking stand. J. M. Colucci. Des. 76,006; Aug. 14.
 Smoking stand. O. C. Kirts. 1.684.589; Sept. 18.
 Smoking stand. J. Koster. Des. 76,401; Sept. 25.
 Smoking stand. W. C. McLaughlin. Des. 75,505; June 12.
 Smoking stand. P. C. Shapiro. 1.670.384; May 22.
 Smoking stand. A. A. Smallhouse. Des. 74,807; Mar. 27.
 Smoking stand. A. Von Frankenberg. Des. 75,990; Aug. 7.
 Smoking stand. A. von Frankenberg. Des. 77,205; Dec. 11.
 Smoking stand. S. Young. Des. 75,948-9; July 31.
 Smoking stand and lamp, Combination. C. T. Brady. Des. 74,165; Jan. 3.
 Smoothing iron. H. S. Woodruff. 1.678,310; July 24.
 Smoothing iron, Electric. C. T. Johnson-Vea. Des. 75,732; July 10.
 Snap gauge. F. O. Hoagland. 1.669.873; May 15.
 Snap gauge. E. O. Wheelock. 1.664.583; Apr. 3.
 Snap gauge, Adjustable. F. O. Hoagland. 1.678.290; July 24.
 Snap guide. W. M. Kelly. 1.664.928; Apr. 3.
 Snap hook. J. B. Baxter. 1.660.028; Feb. 21.
 Snap hook. J. M. Glaser. 1.691,111; Nov. 13.
 Snap hook. R. C. Johnston. J. Soucy. J. J. McEwen. and J. Larue. 1.657,087; Jan. 24.
 Snap hook. M. Ifjen. 1.684,322; Sept. 11.
 Snap hook. R. B. Lloyd. 1.677,592; July 17.
 Snap hook. H. St. Pierre. 1.685,201; Sept. 25.
 Snap hook, Safety. O. R. and R. N. Close. 1.677,814; July 17.
 Snap switch. H. Hertzberg. 1.663.081; Mar. 20.
 Snap switch. S. A. Meyers. 1.664.380; Mar. 27.
 Snap switch. A. J. Mottlau. 1.668.974; May 8.
 Snap switch. T. L. Parker. 1.674.917; June 26.
 Snap switch, Electric. W. Wurdack, jr. 1.694,899; Dec. 11.
 Snap switch, Motor. H. G. Baxter. 1.685.935; Oct. 2.
 Snap switch, Rotary. V. R. Despard. 1.669,374; May 8.
 Snap switch, Rotary. L. A. Kempton. 1.670,073; May 15.
 Snap thread gauge. C. G. Johnson. 1.660.335; Feb. 28.
 Snappers for snap rings, Manufacturing of. B. Förster. 1.682,074; Aug. 28.
 Snare for wolves, Self-locking. J. Durand. 1.671.414; May 29.
 Snatch block, Fiddle. T. A. McMillan. 1.672,823; June 5.
 Snow and ice from windshields, Removing. L. M. Spencer. 1.694,757; Dec. 11.
 Snow and street-cleaning shovel. C. H. Selin. 1.683,732; Sept. 11.
 Snow, Apparatus for the removal of. R. P. and S. W. McClave. 1.665.503; Apr. 10.
 Snow cleaner. P. J. Herchert. 1.672.490; June 5.
 Snowplow. C. W. Clark. 1.665.733; Apr. 10.
 Snowplow. W. W. Criley. 1.655.136; Jan. 3.
 Snowplow. A. E. Delaney. 1.679,409; Aug. 7.
 Snowplow. E. H. Fahrney. 1.655.945-6; Jan. 10.
 Snowplow. E. H. Fahrney. 1.671.358; May 29.
 Snowplow. E. H. Fahrney. 1.690.000; Oct. 30.
 Snowplow. H. F. Flowers. 1.684.439; Sept. 18.
 Snow plow. S. B. Gillis. 1.688.009; Oct. 16.
 Snow plow. R. C. Greenwood. 1.694.174; Dec. 4.
 Snowplow. D. I. Munson. 1.671.836; May 29.
 Snowplow. V. P. Marran. 1.687,169; Oct. 9.
 Snowplow. E. B. Meyer. 1.686.243; Oct. 2.
 Snowplow. J. Musil and D. H. Gilchrist. 1.695,775; Dec. 18.
 Snowplow. F. M. Redmer. 1.689.683; Oct. 30.
 Snowplow. J. N. Smith. 1.667.445; Apr. 24.
 Snowplow. M. Veenstra. 1.681,022; Aug. 14.
 Snowplow. C. L. Walling. 1.693.187; Nov. 27.
 Snowplow. M. Walter. 1.656,613; Jan. 17.
 Snowplow, Hand. W. H. Batty. 1.693,472; Nov. 27.
 Snowplow, High-speed traction. T. J. Ball. 1.661,158; Mar. 6.
 Snowplow, Railroad. J. S. Payne. 1.657,766; Jan. 31.
 Snowplow, Street or road. L. H. Altgibers. 1.662,809; Mar. 20.
 Snow removal apparatus. E. B. Cadwell. 1.665.685; Apr. 10.
 Snow remover. E. G. Earnhardt. 1.681,104; Aug. 14.
 Snow remover. J. S. Gault. 1.676,823; July 10.
 Snow remover. C. C. A. Jensen. 1.673,457; June 12.
 Snow-removing apparatus. F. Gettelman. 1.654,685; Jan. 3.
 Snow-removing machine. T. Carless. 1.696,592; Dec. 25.
 Snow-removing machine. M. Souhigian. 1.666,358; Apr. 17.
 Snow shovel. E. H. Eden. 1.667,591; Apr. 24.
 Snubber. E. P. Brandt. 1.657,953; Jan. 31.
 Snubber. C. S. Hansen. 1.671,675; May 29.
 Snubber. I. E. Litten. 1.693,281; Nov. 27.
 Snubber. M. H. Squires. 1.655,776; Jan. 10.
 Snubber. S. Wise. 1.689,903; Oct. 30.
 Snubber, Automobile spring. C. H. Hughes. 1.683,075; Sept. 4.
 Snubbing device. E. K. Whitener. 1.669,920; May 15.
 Soaking apparatus. J. L. Herold. 1.657,955; Jan. 10.
 Soaking machine employed in making paper. C. T. Crocker. 1.676,636; July 10.
 Soaking pit. T. F. Bailly. 1.671,337; May 29.
 Soap and making an insoluble soap from aldehyde fatty acid mixtures of mineral oil, Insoluble. J. H. James. 1.681,237; Aug. 21.
 Soap and the like in portions. Apparatus for the delivering of. E. Weidner. 1.670,643; May 22.
 Soap and water gun. F. Y. McKenney. 1.656,334; Jan. 17.
 Soap box. I. P. Creamer and F. Joseph. 1.664,736; Apr. 3.
 Soap cake. J. C. Haney. 1.657,391; Jan. 24.
 Soap dish and escutcheon, Combined. W. G. Newton. Des. 75,382; May 29.
 Soap dish, Recessed. R. E. Jordan. Des. 74,374; Feb. 7.
 Soap dispenser, Liquid. J. W. Bloodhart. Des. 75,205; May 22.
 Soap dispenser, Liquid. J. W. Bloodhart. Des. 76,117; Aug. 21.
 Soap-dispensing device. F. J. Cantrell. 1.673,228; June 12.
 Soap, Hand. A. E. Lindy. 1.659,980; Feb. 21.
 Soap, Making rosin. C. C. Kesler. 1.663,764; Mar. 27.
 Soap, Medicinal. H. H. von Kornatzki. 1.684,336; Sept. 11.
 Soap, Scrubber. C. Field. 1.682,120; Aug. 28.
 Soap set. L. Cohn. Des. 74,214; Jan. 10.
 Soap, Shaving. R. F. Smith. 1.667,993; May 1.
 Soap stabilization. J. R. Powell. 1.672,657; June 5.
 Soap stick and holder. W. W. Harris. 1.673,328; June 12.
 Soaping and cleaning device. C. Field. 1.682,117; Aug. 28.
 Socket. P. Arbon. 1.658,472; Feb. 7.
 Socket. E. A. Bohlman and J. D. Shannon. 1.671,760; May 29.
 Socket. E. T. Flewelling. 1.681,330; Aug. 21.
 Socket, Adjustable candelabrum. E. H. Freeman. 1.665,779; Apr. 10.
 Socket, Adjustable candle. H. Hubbell. 1.678,144; July 24.
 Socket and bulb base, Electric-light. P. S. Hall. 1.692,732; Nov. 20.
 Socket and cover, Combined electric-light. G. Ainsworth. 1.679,110; July 31.
 Socket and fuse plug. H. W. Benoit. 1.683,598; Sept. 11.
 Socket and friction band stem, Ball-bearing. W. H. Noelting. 1.693,657; Dec. 4.
 Socket and plug device, Multiple. B. P. McKinley. 1.660,422; Feb. 28.
 Socket and reflector construction. P. A. Powers. 1.664,262; Mar. 27.
 Socket and slide, Combination plate-caster. W. H. Noelting. 1.693,658; Dec. 4.
 Socket and switch plug. E. Sjolin. 1.694,400; Dec. 11.
 Socket and vacuum tube. A. B. Mallins. 1.672,033; June 5.
 Socket box. T. O'Donnell. 1.681,678; Aug. 21.
 Socket, Bracket. V. R. Despard. 1.690,283; Nov. 6.
 Socket, Candle. K. K. Nielsen. 1.690,693; Nov. 6.
 Socket, Connector. O. A. Colby. 1.660,863; Feb. 28.
 Socket connection, Auxiliary. C. E. Godley. 1.658,237; Feb. 7.
 Socket construction. J. Hohl. 1.658,598; Feb. 7.
 Socket, Drapery-pole. R. H. Vermillon. Des. 76,439; Sept. 25.
 Socket, Electric. C. J. Alpaugh. 1.675,016; June 26.
 Socket, Electric. J. B. Downing. 1.669,122; May 8.
 Socket, Electric. E. H. Freeman. 1.665,495; Apr. 10.
 Socket, Electric. E. Moxter. 1.681,425; Aug. 21.
 Socket, Electrical. W. Huppert. Des. 76,871; Nov. 13.
 Socket, Electric candle. T. A. Both. 1.661,689; Mar. 6.
 Socket, Electric connector. H. D'Olier, jr. 1.666,411; Apr. 17.
 Socket, Electric-lamp. E. E. Falbe and Q. Rohrer. 1.687,718; Oct. 16.
 Socket, Electric-light. J. Figueira. 1.674,324; June 19.
 Socket, Electric-lamp. L. Mayer. 1.684,356; Sept. 11.
 Socket, Electric-light. E. G. Oakley. 1.686,248; Oct. 2.
 Socket, Electric swivel. P. S. Black. 1.665,018; Apr. 3.
 Socket, Electrical wall. H. F. Laub. 1.669,666; May 15.
 Socket flasher. N. Abramson. 1.685,514; Sept. 25.
 Socket for accumulators, Cable. E. Kromann. 1.678,733; July 31.
 Socket for curtain fasteners. J. Vodicka. Re17,134; Nov. 13.
 Socket for electric lamps. F. J. Miles and D. C. Thompson. 1.666,974; Apr. 24.
 Socket for electric lamps, Double-contact. F. J. Miles and D. C. Thompson. 1.666,973; Apr. 24.
 Socket for expansion-bolt shields. A. S. Fishel and E. I. Goulder. 1.670,443; May 22.
 Socket for luminescent-tube signs, Adjustable. W. F. Henry. 1.693,145; Nov. 27.
 Socket for radio instruments. R. W. Seabury. 1.696,649; Dec. 25.

- Socket for vacuum tubes. W. M. Doran. 1,670,849; May 22.
- Socket for wire cables or strands. C. C. Sunderland. 1,680,347; Aug. 14.
- Socket, Incandescent lamp. D. Hays. 1,684,268; Sept. 11.
- Socket, Lamp. L. Caruso. 1,671,226; May 29.
- Socket, Lamp. J. V. Parent. 1,682,930; Sept. 4.
- Socket, Lamp. J. Ribaysen. 1,669,209; May 8.
- Socket, Lamp. H. Rothenberg and O. C. Britsch. 1,679,338; July 31.
- Socket, Lamp. A. Sandberg. 1,686,257; Oct. 2.
- Socket, Lamp. L. Van Gale. 1,682,944; Sept. 4.
- Socket, Light. O. S. Field. 1,677,114; July 10.
- Socket, Packer slip. G. A. Scott and J. M. Cochran. 1,678,829; July 31.
- Socket pull-chain guide, Lamp-. C. M. Weeks. 1,690,350; Nov. 6.
- Socket, Radio tube. J. E. Hanly. 1,671,284; May 29.
- Socket receptacle. F. F. Forshoe. 1,689,820; Oct. 20.
- Socket-securing means for electric fixtures, Lamp-. H. E. Nickerson. 1,690,940-1; Nov. 6.
- Socket shell. H. Hubbell. 1,686,813; Oct. 9.
- Socket, Slip-ring. F. J. Hinderlich. 1,686,134; Oct. 2.
- Socket support, Yieldable bulb-. J. M. Pettus. 1,696,504; Dec. 25.
- Socket, Switch. G. M. Condit. 1,676,079; July 3.
- Socket, Switch. G. M. Condit. 1,682,599; Aug. 28.
- Socket, Switch. G. F. Niemann. 1,676,280; July 10.
- Socket, Swivel rope. A. H. Neilson. 1,678,706; July 31.
- Socket terminal, Spring. L. Reichold. 1,662,335; Mar. 13.
- Socket, Three-way lamp. C. Schuldt. 1,666,248; Apr. 17.
- Socket, Tube. L. D. Burgesser. 1,693,544; Mar. 27.
- Socket unit, Two-way-. W. He. 1,687,569; Oct. 16.
- Socket, Vacuum-tube. M. Alden. 1,691,877; Nov. 13.
- Socket with shade holder, Electric. D. N. Thompson. 1,668,703; May 8.
- Socket wrench. A. Dickey. 1,658,886; Feb. 14.
- Socket wrench. J. F. Grasley. 1,667,661; Apr. 24.
- Socket wrench. E. M. Pfauter. 1,685,503; Sept. 25.
- Socket wrench, Adjustable. J. H. Dowd. 1,673,761; June 12.
- Socket wrench set. C. E. Wakefield. 1,662,409; Mar. 13.
- Socket-wrench sets, Holder for. H. G. Rice. 1,654,703; Jan. 3.
- Sockets, Making tubular end. F. C. Crawford. 1,670,532; May 22.
- Soda fountain. F. Sohn. L. G. Marmion, and E. H. Gibian. Des. 75,934; July 31.
- Soda fountains, Draft arm for. T. De Stefani. Des. 74,419; Feb. 14.
- Soda fountains, Draft arm for. T. De Stefani. 1,668,635; May 8.
- Soda or other suitable material, Method of and apparatus for the concentration or purification of caustic. C. F. Hammond. 1,668,504; May 1.
- Sodium acetate, Producing. F. G. Rawling. 1,695,742; Dec. 18.
- Sodium bicarbonate from brines, Recovery of. W. A. Kuhert. 1,674,474; June 19.
- Sodium bisulphate, Production of. J. N. Carothers and C. F. Booth. 1,693,947; Dec. 4.
- Sodium carbonate sulphate, Obtaining. A. W. Gauger and H. H. Storch. 1,689,526; Oct. 30.
- Sodium hydrosulphide, Making. H. Howard. 1,675,491; July 3.
- Sodium monosulphite, Making. V. Drewsen. 1,659,193; Feb. 14.
- Sodium nitrate, Production of. R. Griessbach and K. Röhr. 1,696,197; Dec. 25.
- Sodium phosphate, Preparation of. H. Howard. 1,676,556; July 10.
- Sodium stannate solution, Purifying. C. L. Read and B. M. O'Hara. 1,681,497; Aug. 21.
- Sodium sulphate, Purification of. M. A. Purdy. 1,673,471; June 12.
- Sofa. L. Braus. Des. 74,657; Mar. 13.
- Sofa. H. P. Paris. Des. 76,861-2; Nov. 13.
- Softener for silk and making same. R. E. Rose. 1,691,994; Nov. 20.
- Softening apparatus, Water-. E. T. Turner. 1,694,804; Dec. 11.
- Softening or purifying of water or for carrying out processes based upon exchange reactions, Apparatus for the. R. H. Thomson and H. S. Lawrence. 1,691,862; Nov. 13.
- Softening silk, yarn, and the like, Apparatus for. H. Mayer. 1,684,923; Sept. 18.
- Softening water, Apparatus for. A. Neumann. 1,675,860; July 3.
- Soil irrigator. J. C. Searle. 1,660,891; Feb. 28.
- Soil pulverizer. C. A. Stoltz. Re17,013; June 26.
- Soil-pulverizing implement. H. D. Guy. 1,670,537; May 22.
- Soil-pulverizing machine. H. Ariens. 1,688,914; Oct. 23.
- Soil-working implement. H. Olsen. 1,684,594; Sept. 18.
- Solar heater. W. Christiansen. 1,672,750; June 5.
- Solar heater. H. Metzsch and F. C. Werner. 1,658,455; Feb. 7.
- Solder and making same, Self-fluxing. J. P. Erlich. 1,690,534; Nov. 6.
- Solder for aluminum. O. Spengler. 1,691,532; Nov. 13.
- Solder for aluminum and aluminum alloys. G. Schuldt. 1,661,052; Feb. 28.
- Soldering. H. C. P. Weber. 1,689,899; Oct. 30.
- Soldering apparatus, Can-cap-. A. E. Roe. 1,663,062; Mar. 20.
- Soldering cable-bonding devices, Method of and apparatus for. A. Z. Mample. 1,687,378; Oct. 9.
- Soldering device. R. Reinhold. 1,677,248; July 17.
- Soldering device. M. F. Wielage. 1,662,945; Mar. 20.
- Soldering device, Automatic. W. Koning. 1,655,960; Jan. 10.
- Soldering device, Electric. S. Clayton. 1,663,113; Mar. 20.
- Soldering device, Type-. A. G. F. Kurowski. 1,688,722; Oct. 23.
- Soldering furnace. E. D. Fahlberg. 1,680,776; Aug. 14.
- Soldering implement. C. M. Chapman. 1,671,344; May 29.
- Soldering iron. C. C. Abbott. 1,667,618; Apr. 24.
- Soldering iron. H. J. Baker. 1,662,734; Mar. 13.
- Soldering iron. H. J. Fanger. 1,660,920; Feb. 28.
- Soldering iron. R. Magriasso. 1,664,367; Mar. 27.
- Soldering iron. W. Siebert. 1,658,947; Feb. 14.
- Soldering iron, Electric. L. S. Brach. 1,669,039; May 8.
- Soldering iron, Electric. W. Emsdorf and J. Sandberg. 1,667,250; Apr. 24.
- Soldering iron, Electric. B. Kalmar and M. Kollin. 1,686,328; Oct. 2.
- Soldering iron, Electric. N. E. Mann and A. M. Young. 1,674,653; June 26.
- Soldering iron, Torch. J. Gysels. 1,686,747; Oct. 9.
- Soldering irons, Combined holder and automatic circuit breaker for electric. W. Alferink. 1,675,401; July 3.
- Soldering leading-in wires to lamp bases. J. J. Higgins. 1,676,949; July 10.
- Soldering machine. A. L. Kronquest. 1,666,707; Apr. 17.
- Soldering machine. J. Wenz. J. Alvera, and G. Brunnhübner. 1,669,846; May 15.
- Soldering material. S. Ruben. 1,663,141; Mar. 20.
- Soldering, Method of and apparatus for. C. W. Owston. 1,660,576; Feb. 28.
- Soldering operations, Apparatus for performing. J. W. Fay. 1,659,911; Feb. 21.
- Soldering radiators. G. W. Christoph. 1,692,818; Nov. 27.
- Soldering units comprising solder and fluxing material, Apparatus for producing. J. W. Fay. 1,696,268; Dec. 25.
- Solderless pin. W. A. Shawcross. 1,670,385; Mar. 22.
- Sole and heel, Combined. E. F. Greene. Des. 77,152; Dec. 11.
- Sole and heel, Combined. H. H. Wydom. Des. 75,457; June 5.
- Sole and heel, Combined shoe. W. B. Hopwood. Des. 76,541; Oct. 9.
- Sole and making the same, Inner. H. A. Ballard. 1,695,408; Dec. 18.
- Sole-cementing machine. F. E. Williams. 1,680,924; Aug. 14.
- Sole clamp. A. Yosgatt. 1,684,427; Sept. 18.
- Sole construction for rubber boots. L. Lorenzi and A. Colombo. 1,684,676; Sept. 18.
- Sole, Fabricated shoe. L. E. Montgomery. 1,674,560; June 19.
- Sole-fitting machine. W. C. Meyer. 1,658,347; Feb. 7.
- Sole-fitting machine. W. C. Meyer. 1,668,081; Mar. 1.
- Sole for a shoe. J. Richter and R. Jezek. Des. 77,029; Nov. 27.
- Sole for boots and shoes. C. W. Frey. Des. 76,528; Oct. 9.
- Sole for boots and shoes. A. A. Glidden and T. M. Knowland. 1,685,538; Sept. 25.
- Sole for sport shoes. G. L. Pierce. 1,659,215; Feb. 14.
- Sole-forming machine. J. H. Richardson and A. E. Hudson. 1,689,601; Oct. 30.
- Sole-molding machine. H. S. Mirandette. 1,655,432; Jan. 10.
- Sole, Nonslip. W. B. Hopwood. 1,687,294; Oct. 9.
- Sole pattern. R. G. Anderson, and J. Gaines. 1,682,880; Sept. 4.
- Sole-pressing machine. E. E. Winkley. 1,690,186; Nov. 6.
- Sole-pressing machine, Multiple. W. Sturm. 1,675,233; June 26.
- Sole-rounding machine. E. E. Sabin. 1,680,342; Aug. 14.
- Sole, Shoe. L. M. Oakley. Des. 77,183; Dec. 11.
- Sole, Shoe. L. M. Oakley. 1,672,653; June 5.
- Sole, Shoe inner. B. J. Silver. 1,677,105; July 10.
- Sole to shoe, Attachment of. J. W. Meloon. 1,694,446; Dec. 11.
- Sole, Tap. B. Glowitz. 1,680,147; Aug. 7.
- Soles, Making rubber. R. E. Drake. 1,674,503; June 19.
- Soles, Making shoe. T. B. Huestis. 1,690,115; Nov. 6.
- Soles to fabric or other uppers, Vulcanizing rubber. F. Nielsen. 1,660,881; Feb. 28.
- Solenoid brake. G. J. Lexa. 1,689,442; Oct. 30.
- Solid finely-divided material, Production of. L. Schertol and W. Lüty. 1,670,049; Mar. 15.
- Solid-fuel burner. C. H. Hall and W. Lloyd. 1,675,548; July 3.
- Solids. Colloidally dispersing. S. Cabot. 1,662,999; Mar. 20.
- Solids of various sizes, Process of and apparatus for controlling the movement of masses of. L. E. W. Ploda. 1,663,173; Mar. 20.
- Solutions, Apparatus for standardizing. H. H. Wermine. 1,664,840; Apr. 3.
- Solutions, Process and device for concentrating incrusting or corrosive. P. Bringhenti. 1,682,265; Aug. 28.

- Solvent, Organic. R. Adams and J. F. Hyde. 1,689,762; Oct. 30.
- Solvents from coated fabrics, Apparatus for the recovery of. H. S. Thompson. 1,678,886; July 31.
- Solvents, Recovery of volatile. J. H. Brégeat. 1,663,155; Mar. 20.
- Soot blower. W. A. Cook and E. P. Stroup. 1,676,479; July 10.
- Soot blower. J. Petty. 1,675,725-6; July 3.
- Soot blower, Automatically-operated. F. Bowers. 1,680,125; Aug. 7.
- Soot blower for steam boilers. C. A. Clafin. 1,677,383; July 17.
- Soot blower, Portable. J. J. Dolan. 1,661,931; Mar. 6.
- Soot-removing device. A. Girtanner and J. J. McNulta. 1,676,019; July 3.
- Soothe, Infant's. F. Schutze. 1,656,833; Jan. 17.
- Soporifics containing at least one alkynyl group, New. M. Bockmühl, R. Schwabe, and G. Ehrhart. 1,682,062; Aug. 28.
- Sorting and stacking biscuits and other articles, Apparatus for. J. C. Paterson and G. R. Baker. 1,685,335; Sept. 25.
- Sorting apparatus, Centrifugal. F. M. Soyes. 1,682,099; Aug. 28.
- Sorting device. J. E. Kreiling. 1,672,764; June 5.
- Sorting device for machines for the manufacture of wafers and like articles. G. J. C. Rimeur. 1,657,036; Jan. 24.
- Sorting machine. J. W. Bryce. 1,667,837; May 1.
- Sorting machine, Ceramic. R. P. Herold. 1,677,862; July 17.
- Sorting machine. E. A. Ford. 1,657,654; Jan. 31.
- Sorting machine. A. F. Hanney. 1,683,249; Sept. 4.
- Sorting machine. K. C. and O. B. Harttrampf. 1,680,880; Aug. 14.
- Sorting machine. W. W. Lasker and J. Mueller. 1,665,595; Apr. 10.
- Sorting machine. G. Neuhaus. 1,677,247; July 17.
- Sorting machine. J. R. Peirce. 1,674,660; June 26.
- Sorting machine. W. C. Stewart. 1,682,809; Sept. 4.
- Sorting machine, Adjustable. R. V. Judson. 1,668,061; Apr. 8.
- Sorting machine for perforated cards, Electric. F. R. Bull. 1,656,999; Jan. 24.
- Sorting table. F. B. Roberts and W. G. Huntington. 1,677,656; July 17.
- Sound-absorbing surface and producing same. L. B. Rymarczick. 1,682,986; Sept. 4.
- Sound amplifier. N. A. Clark. 1,696,624; Dec. 25.
- Sound amplifier. J. Kersten. 1,692,841; Nov. 27.
- Sound amplifier. F. Kuch. 1,688,817; Oct. 23.
- Sound amplifier. O. R. Platter and J. T. Ball. 1,671,543; May 29.
- Sound amplifier. T. Young. 1,693,771; Dec. 4.
- Sound-amplifier casing. J. S. Bach. Des. 74,646; Mar. 13.
- Sound-amplifying construction. J. Kersten. 1,666,570; Apr. 17.
- Sound-amplifying devices, Operating unit for. G. C. Lindsey. 1,654,741; Jan. 3.
- Sound-amplifying horn. G. W. Bulley. 1,655,385; Jan. 3.
- Sound-amplifying horn for gramophones, loud speakers, and other like sound-reproducing apparatus. H. J. Culum. 1,687,714; Oct. 16.
- Sound and electrical energy, Intertransposition of. N. E. Lindenblad. 1,685,075; Sept. 18.
- Sound, Apparatus for producing. F. W. Falck. 1,663,831; Mar. 27.
- Sound, Apparatus for producing. E. C. Guedon. 1,694,319; Dec. 4.
- Sound apparatus for producing and receiving sound waves. W. Hahnemann and H. Hecht. 1,655,267; Jan. 3.
- Sound, Apparatus for recording and reproducing. C. Blieberger. 1,681,721; Aug. 21.
- Sound, Apparatus for reproducing. W. H. Perkins. 1,656,446; Jan. 17.
- Sound box and radiophone, Adjustable combined. C. J. Del Marmol. 1,679,932; Aug. 7.
- Sound-box casing. M. Nystrom. Des. 75,385; May 29.
- Sound box for sound-reproducing machines. A. Clot. 1,664,591; Apr. 3.
- Sound box, Telephone electrically-driven. H. Robeck. 1,654,835; Jan. 3.
- Sound by or into electric currents, Production or conversion of. W. F. Dunn. 1,656,781; Jan. 17.
- Sound conduit for sound-recording and sound-reproducing instrument. E. Finking. 1,663,906; Mar. 27.
- Sound-control construction. L. Hunt. 1,687,566; Oct. 16.
- Sound-conveying apparatus. O. R. Grass. 1,676,493; July 10.
- Sound-deadening construction. H. A. Gorman. 1,672,255; June 5.
- Sound-detection training device. L. H. Richmond. 1,656,533; Jan. 17.
- Sound detector and amplifier apparatus, Shielding. L. de Forest. 1,693,072; Nov. 27.
- Sound device. L. V. Aronson. 1,667,094-6; Apr. 24.
- Sound energy, System for producing and transmitting high-frequency. I. B. Crandell. 1,675,879; July 3.
- Sound-generating device. J. Sieplan. 1,684,975; Sept. 18.
- Sound-generating apparatus. H. B. Ely. 1,686,904; Oct. 9.
- Sound measuring. D. G. Blattner. 1,673,037; June 12.
- Sound, Method and apparatus for recording and reproducing. C. D. Lindridge. 1,675,894; July 3.
- Sound muffler. J. F. Newsom. 1,655,194; Jan. 3.
- Sound-neutralizing ventilator. A. M. Kennedy. 1,665,211; Apr. 10.
- Sound post for violins. R. W. Stephenson. 1,695,783; Dec. 18.
- Sound producer. A. F. Peterson. 1,690,177; Nov. 6.
- Sound-producing apparatus. R. E. J. Daley. 1,688,804; Oct. 23.
- Sound-producing device. M. De Cesare. 1,667,104; Apr. 24.
- Sound-producing device. T. Hutnikow. 1,678,223; July 24.
- Sound-producing device. A. Weinstein. 1,679,106; July 31.
- Sound-producing instrument. W. Brandegger. 1,678,553; July 24.
- Sound-producing instrument. J. C. Deagan. 1,686,602; Oct. 9.
- Sound-producing instrument. A. Herschel. 1,671,863; May 29.
- Sound producing, Method and apparatus for. R. L. Williams. 1,689,574; Oct. 30.
- Sound-production apparatus. C. J. Morton. 1,655,283; Jan. 3.
- Sound-projecting apparatus. E. Grissinger. 1,666,057; Apr. 10.
- Sound projector. E. Grissinger. 1,665,058-9; Apr. 10.
- Sound propagation. M. R. Hutchison. 1,696,303; Dec. 25.
- Sound-radiating device. R. D. Fay and R. E. Brewer. 1,656,514; Jan. 17.
- Sound-radiating device. R. D. Fay and R. E. Brewer. 1,667,251; Apr. 24.
- Sound reception, Submarine. R. L. Williams. 1,671,262; May 29.
- Sound record. O. A. Cherry. 1,671,228; May 29.
- Sound-record tablets, Producing. T. A. Edison. 1,690,159; Nov. 6.
- Sound-recording and sound-reproducing instrument. F. Kay and W. E. Clifton. 1,657,627; Jan. 31.
- Sound recording and reproducing. L. Espenschied. 1,661,793; Mar. 6.
- Sound recording and reproducing apparatus. L. de Forest. 1,683,451; Sept. 4.
- Sound recording and reproducing device. J. L. Walker. 1,673,217; June 12.
- Sound recording and reproduction. H. C. Snook. 1,681,376; Aug. 21.
- Sound-recording attachment for motion-picture cameras. L. de Forest. 1,693,071; Nov. 27.
- Sound reproducer. H. I. Danziger and C. L. Wachter. 1,693,223; Nov. 27.
- Sound reproducer. F. D. Lewis. 1,657,216; Jan. 24.
- Sound reproducer. G. C. Lindsey. 1,663,256; Mar. 20.
- Sound reproducer. J. A. Mears. 1,688,730; Oct. 23.
- Sound reproducer. I. E. Mobley. 1,664,988; Apr. 3.
- Sound reproducer. G. Strobino. 1,677,605; July 17.
- Sound reproducer. G. Strobino. 1,680,822; Aug. 14.
- Sound reproducer. W. B. Whitmore. 1,672,796; June 5.
- Sound reproducer and amplifier, Electromechanical. C. K. Cregier. 1,658,798; Feb. 14.
- Sound reproducer. Electromagnetic. W. H. Gerns. 1,685,050; Sept. 18.
- Sound-reproducing apparatus. C. M. Boudette. 1,670,234; May 15.
- Sound-reproducing apparatus. B. E. Brown. 1,667,531; Apr. 24.
- Sound-reproducing apparatus. G. W. Lyons. Des. 74,615; Mar. 6.
- Sound-reproducing apparatus. A. A. Thomas. 1,656,712; Jan. 17.
- Sound-reproducing apparatus. M. Weil. 1,696,872; Dec. 25.
- Sound-reproducing apparatus, Electromagnetic. C. E. Brigham. 1,673,661; June 12.
- Sound-reproducing device. M. De Cesare. 1,667,103; Apr. 24.
- Sound-reproducing device. T. A. Harris. 1,691,059; Nov. 13.
- Sound-reproducing device. E. F. Holinger. 1,690,726; Nov. 6.
- Sound-reproducing device. H. Koch. 1,668,509; May 1.
- Sound-reproducing device. A. G. Zimmerman. 1,689,513; Oct. 30.
- Sound-reproducing device and adjusting means therefor. S. R. Swenson. 1,665,044; Apr. 3.
- Sound-reproducing device, Magnetic. Z. Jeffries. 1,665,740; Apr. 10.
- Sound-reproducing instrument. H. J. Küchenmeister. 1,689,880; Oct. 30.
- Sound-reproducing instrument. L. G. Larsen. 1,689,788; Oct. 30.
- Sound-reproducing instruments, Tone arm for. F. W. Reed. 1,674,797; June 26.
- Sound-reproducing machine. W. H. Thommen. 1,661,396-7; Mar. 6.
- Sound-reproducing machine, Attachment for. A. Humphrey. 1,678,568; July 24.
- Sound-reproducing machines for record cleaning, Attachment to. T. Watson. 1,654,713; Jan. 3.
- Sound-reproducing means. G. W. Smith, jr. 1,662,135; Mar. 13.
- Sound-reproducing mechanism. E. U. Iwwerks. 1,684,098; Sept. 11.
- Sound-reproducing method and apparatus. G. Ramsey. 1,680,694; Aug. 14.

- Sound-reproducing system, Electromagnetic. C. R. Rowe. 1,672,173; June 5.
- Sound-reproducing unit. P. G. Andres. 1,655,403; Jan. 10.
- Sound reproduction, Apparatus for electrical. J. J. Jakosky. 1,671,292; May 29.
- Sound-responsive device. H. F. Dodge. 1,660,990; Feb. 28.
- Sound signal. R. M. Critchfield. 1,676,528; July 10.
- Sound signal. R. M. Critchfield. 1,696,625; Dec. 25.
- Sound-signaling apparatus, Subaqueous. W. Hahnemann and A. du Bois-Reymond. 1,667,418; Apr. 24.
- Sound transmission, Arrangement for uniform electrical. W. Hahnemann. 1,674,683; June 26.
- Sound transmission, Directive. H. C. Hayes. 1,681,982; Aug. 28.
- Sound transmission, Method and apparatus for. R. L. Williams. 1,677,945; July 24.
- Sound transmitter. H. A. Mills and W. D. Pyle. 1,666,262; Apr. 17.
- Sound transmitter. W. L. Walker. 1,676,625; July 10.
- Sound transmitting and receiving apparatus. A. M. Kennedy. 1,687,940; Oct. 16.
- Sound transmitting and receiving diaphragm. H. Fischer. 1,657,570; Jan. 31.
- Sound-wave transmitting and amplifying device. W. Harden. 1,677,632; July 17.
- Sound waves into electrical waves, System for converting. H. C. Snook. 1,690,255; Nov. 6.
- Sound waves, Method of and apparatus for radiating. R. D. Fay and R. E. Brewer. 1,674,895; June 26.
- Sound waves, Radiotranslation of phonographically-recorded. F. Thorington. 1,689,564; Oct. 30.
- Sounding-board actuator, Electromagnetic. M. R. Hutchison. 1,696,305; Dec. 25.
- Sounding board for pianos. W. H. M. Siegel. 1,680,180; Aug. 7.
- Sounding device for dolls and other toys. A. Konoff. 1,675,358; July 3.
- Sounding device for liquid levels. L. Steiner and V. Gutmann. 1,695,701; Dec. 18.
- Sounding device, Well-. E. P. Halliburton. 1,692,037; Nov. 20.
- Sounding reeds for criers, voices, and other sound-producing devices. L. J. Grubman. 1,658,982; Feb. 14.
- Sounds, Method of and apparatus for the generation of. L. S. Theremin. 1,661,058; Feb. 28.
- Sounds, Production of. M. Maag. 1,681,546; Aug. 21.
- Souvenir, Memento novelty. J. A. Snellgrove. 1,655,341; Jan. 3.
- Space band. W. C. Looney. 1,657,629; Jan. 31.
- Spacer. F. W. Anderson. 1,684,051; Sept. 11.
- Spacer and holder, Fence-wire. R. Huston. 1,695,149; Dec. 11.
- Spacer for concrete reinforcement. T. H. Kane. 1,683,829; Sept. 11.
- Spacer or chair bar for concrete-reinforcing bars. C. P. and L. B. Schumacher. 1,672,176; June 5.
- Spacing device for loom dobby fingers. E. R. Holmes. 1,674,010; June 19.
- Spacing device, Head-. J. H. Bauschard. 1,689,223; Oct. 30.
- Spades or the like, Foot-plate attachment for. O. F. Bergquist. 1,658,963; Feb. 14.
- Spanish moss, Treating. R. Stinson. 1,656,842; Jan. 17.
- Spanner or nut wrench. P. Roche. 1,670,214; May 15.
- Spar, Purifying and bleaching heavy. K. Ebers. 1,663,159; Mar. 20.
- Spar splice. F. Trainor. 1,688,063; Oct. 16.
- Spark arrester. J. O. Anderson. 1,681,456; Aug. 21.
- Spark arrester. R. E. Martin. 1,665,036; Apr. 3.
- Spark arrester for cupolas or the like. P. Pritchard. 1,665,754; Apr. 10.
- Spark control, Automatic. A. O. Andrew. 1,674,152; June 19.
- Spark-control mechanism. C. E. Furgason. 1,670,802; May 22.
- Spark-control mechanism for internal-combustion engines. C. E. Furgason. 1,670,803; May 22.
- Spark gap. E. S. Flarsheim. 1,696,157; Dec. 18.
- Spark intensifier. W. F. Lautenschlager. 1,684,496; Sept. 18.
- Spark plug. P. P. Alexander. 1,683,596; Sept. 11.
- Spark plug. J. R. Baldwin, Jr., and R. W. Schaefer. 1,671,268; May 29.
- Spark plug. G. N. Barcus. 1,662,878; Mar. 20.
- Spark plug. F. Bizzarro. 1,660,591; Feb. 28.
- Spark plug. A. B. Brulaska. 1,661,405; Mar. 6.
- Spark plug. C. C. Campbell. 1,695,632; Dec. 18.
- Spark plug. J. G. Dickson. 1,664,064; Mar. 27.
- Spark plug. E. H. Eiler. 1,655,990; Jan. 10.
- Spark plug. I. W. Farquharson. 1,677,516; July 17.
- Spark plug. F. L. Fox. 1,691,760; Nov. 13.
- Spark plug. I. Harris. 1,666,853; Apr. 17.
- Spark plug. W. L. Hartzell. 1,660,364; Feb. 28.
- Spark plug. C. J. E. Isaksson. 1,696,634; Dec. 25.
- Spark plug. M. F. Macdonald. 1,659,037; Feb. 14.
- Spark plug. W. McElroy. 1,657,863; Jan. 31.
- Spark plug. W. McElroy. 1,674,977; June 26.
- Spark plug. P. Miller. 1,692,754; Nov. 20.
- Spark plug. A. R. Mosler. 1,669,992; May 15.
- Spark plug. H. Munroe. 1,681,997; Aug. 28.
- Spark plug. W. L. Phillips. 1,671,740; May 29.
- Spark plug. H. Rabezzana. 1,679,987-8; Aug. 7.
- Spark plug. G. H. Ricke. 1,686,395; Oct. 2.
- Spark plug. Louis Rotella. 1,690,702; Nov. 6.
- Spark plug. M. Sanders. 1,673,592; June 12.
- Spark plug. C. A. Schreiber. 1,672,956; June 12.
- Spark plug. A. S. Simsack. 1,691,997; Nov. 20.
- Spark plug. C. M. Tansill. 1,662,724; Mar. 13.
- Spark plug. G. E. Theis. 1,667,960; May 1.
- Spark plug. G. L. Thompson. 1,660,635; Feb. 28.
- Spark-plug cleaner. J. H. Scott. 1,671,843; May 29.
- Spark plug, Electrically-heated. H. D. Seekamp. 1,690,135; Nov. 6.
- Spark plug, Self-cleaning. O. T. Yeker. 1,657,599; Jan. 31.
- Spark-plug short-circuiting device. M. J. Gebhardt. 1,675,024-5; June 26.
- Spark plug, Valved. J. G. Bowman. 1,685,017; Sept. 18.
- Spark-plugs, Attachment for. A. L. Sandin. 1,689,690; Oct. 30.
- Spark plugs, Attachment for. D. L. Winters. 1,689,707; Oct. 30.
- Spark plug. N. M. Martin. 1,669,487; May 15.
- Spark plug for explosion and other engines. M. Bailly. 1,675,242; June 26.
- Spat, Wooden. A. L. Friedenthal. 1,664,617; Apr. 3.
- Speaker, Plane-surface piezo-electric loud. A. M. Nicolson. 1,688,743; Oct. 23.
- Speaker unit. O. S. Drake. 1,676,890; July 10.
- Speaking device. D. F. Youngblood. 1,672,595; June 5.
- Speaking panel. R. Dunbar. 1,656,910; Jan. 24.
- Speaking panel for jails or the like. B. W. Brockett. 1,687,280; Oct. 9.
- Speaking tube. J. Levy. 1,661,485; Mar. 6.
- Specific-gravity indicator. W. J. Albersheim. 1,689,659; Oct. 30.
- Specific-gravity register. W. J. Albersheim. 1,689,658; Oct. 30.
- Spectacle, Double sun. J. Karasiewicz. 1,680,995; Aug. 14.
- Spectacle frame. E. J. R. Beatty. Des. 75,351; May 29.
- Spectacle frame. S. E. Bouchard. Des. 76,661; Oct. 23.
- Spectacle frame. J. Gaspari. Des. 76,529; Oct. 9.
- Spectacle mounting. R. H. Uhlemann. 1,656,403; Jan. 17.
- Spectacle temple. L. Bunkelsberg. Des. 76,739; Oct. 30.
- Spectacle temple. G. H. Chase and O. H. Flodin. 1,686,797; Oct. 9.
- Spectacle temple. J. A. Sweeney. 1,665,940; Apr. 10.
- Spectacle temple. J. W. Welsh. 1,690,604; Nov. 6.
- Spectacle temple and making the same. F. A. Stevens. 1,664,094; Mar. 27.
- Spectacle temples, Making. J. W. Welsh. 1,668,097; May 1.
- Spectacle with lighting device. B. Lerdén. 1,679,482; Aug. 7.
- Spectacles. E. E. Emons. 1,685,192; Sept. 25.
- Spectacles. L. C. King. 1,681,735; Aug. 21.
- Spectacles. F. A. Rowe. 1,685,725; Sept. 25.
- Spectacles. C. H. A. Teiber. 1,691,789; Nov. 13.
- Spectacles, Attachment for. R. Young. 1,681,964; Aug. 28.
- Spectacles, Auxiliary lens attachment for. J. Savole. 1,661,967; Mar. 6.
- Speed accelerator for traveling containers or bodies. J. Peyser. 1,696,360; Dec. 25.
- Speed-changing mechanism. R. B. Beauchamp. 1,684,167; Sept. 11.
- Speed-changing mechanism. F. P. Glosch. 1,687,721; Oct. 16.
- Speed-changing mechanism. A. S. Mackenzie. 1,673,838; June 19.
- Speed-control and frequency-converter set. J. I. Hull. 1,693,296; Nov. 27.
- Speed control, Critical-. C. R. Sessions. 1,677,496; July 17.
- Speed-control device for motor vehicles. J. H. Spangler. 1,671,823; May 29.
- Speed control for paper-making machines, Variable-. H. F. Dunbar. 1,694,704; Dec. 11.
- Speed-control means for high-frequency generators. O. Böhm. 1,691,222; Nov. 13.
- Speed-control mechanism. F. M. Rosenweig. 1,690,132; Nov. 6.
- Speed control, Oil-well band-wheel. D. G. Taylor. 1,686,883; Oct. 9.
- Speed-control system. E. F. W. Alexanderson. 1,655,039; Jan. 3.
- Speed-control system. E. F. W. Alexanderson. 1,655,042; Jan. 3.
- Speed-control system. J. I. Hull. 1,694,321-2; Dec. 4.
- Speed-control system. L. Schombourger and H. K. Schrage. 1,664,134; Mar. 27.
- Speed-control system for electric elevators. J. D. Lewis and G. W. Laturap. 1,681,351; Aug. 21.
- Speed control, Vehicle. C. Gore. 1,681,664; Aug. 21.
- Speed control, Vehicle. J. V. Martin. 1,682,297; Aug. 28.
- Speed controller. A. G. Shaver. 1,674,267; June 19.
- Speed-controlling device, Automatic. D. E. Lewellen. 1,687,339; Oct. 9.
- Speed-controlling device, Automatic. D. E. Lewellen. 1,691,294; Nov. 13.
- Speed-controlling device for continuous-strip-feeding means. H. E. Waner. 1,683,318; Sept. 4.
- Speed-controlling device for motor vehicles. F. L. Ohmer. 1,691,668; Nov. 13.
- Speed device for automotive vehicles, Change-. R. A. Bartholomew. 1,671,339; May 29.

- Speed device, Variable-. E. S. Hight. 1,695,099; Dec. 11.
 Speed driving mechanism, Variable-. A. W. Barton and E. M. Ferguson. 1,658,279; Feb. 7.
 Speed driving mechanism, Variable-. B. P. Graves. 1,678,384; July 24.
 Speed fluid transmission, Variable-. E. G. Staude. 1,671,750; May 29.
 Speed-governing mechanism. W. A. Browne. 1,655,009; Jan. 3.
 Speed-indicating device. P. Gambarotta. 1,675,974; July 3.
 Speed indicator. M. Reswick. 1,673,423; June 12.
 Speed indicator, Aircraft ground-. F. L. Hunt and R. C. Sylvander. 1,664,454; Apr. 3.
 Speed indicator, Audible. K. G. Magni. 1,678,402; July 24.
 Speed indicator, Ground-. R. Kauch and C. L. Paulus. 1,693,510; Nov. 27.
 Speed indicator, Ground-. H. O. Russell. 1,676,965; July 10.
 Speed indicator, Gyroscopic. L. R. Koenig. 1,692,412; Nov. 20.
 Speed mechanism, Cam-controlled twenty-four-. D. C. Klausmeyer. 1,686,353; Oct. 2.
 Speed mechanism, Change-. O. A. Dietsche. 1,693,139; Nov. 27.
 Speed mechanism, Change-. I. V. Gironés. 1,661,892; Mar. 6.
 Speed mechanism, Control for variable-. H. C. Clay. 1,663,493; Mar. 20.
 Speed mechanism, Variable-. W. G. Humphreys. 1,684,705; Sept. 18.
 Speed mechanism with two reverse gears, Selective change. G. Wirrer. 1,678,029; July 24.
 Speed meter, Ground-. S. H. Anderson. 1,664,395; Apr. 3.
 Speed reducer. D. E. Washington. 1,685,256; Sept. 25.
 Speed-regulating mechanism. H. L. Tanner. 1,685,440; Sept. 25.
 Speed regulation of synchronous motors. L. A. Umansky. 1,669,150; May 8.
 Speed regulator. J. Bethenod. 1,694,637; Dec. 11.
 Speed-regulator system. J. H. Ashbaugh. 1,665,901; Apr. 10.
 Speed-regulator system. S. A. Staeger. 1,684,077; Sept. 11.
 Speed regulators for self-acting inclined planes, Automatic drive for. E. Kellenberger. 1,672,323; June 5.
 Speed-responsive system. C. R. Beall. 1,667,410; Apr. 24.
 Speed set, Variable-. E. Kloss. 1,680,419; Aug. 14.
 Speed signaling system, High-. H. Nyquist. 1,670,376; May 22.
 Speed transmission device, Variable-. L. Salves. 1,672,232; June 5.
 Speed-transmission mechanism, Variable-. A. A. Wiedmaier. 1,687,075; Oct. 9.
 Speed transmission, Variable-. G. Krell and G. M. Martinet. 1,696,203; Dec. 25.
 Speed transmission, Variable-. R. S. Olson. 1,674,698; June 26.
 Speed transmission, Variable-. H. M. Passmore. 1,683,258; Sept. 4.
 Speed transmitting mechanism, Fluid. T. Walsh, H. S. Coover, and J. V. Abronski. 1,667,274; Apr. 24.
 Speed-transmitting mechanism, Variable. T. Walsh and H. S. Coover. 1,675,438; July 3.
 Speed variations in power engines exposed to varying load, Apparatus for regulating. J. E. Eriksen. 1,682,270; Aug. 28.
 Speedometer. J. Berge. 1,670,836; May 22.
 Speedometer. G. W. Blackburn. 1,679,203; July 31.
 Speedometer. C. H. Gill. 1,674,776; June 26.
 Speedometer. J. Kruschitzki. 1,690,788; Nov. 6.
 Speedometer. P. A. Robbins. 1,677,990; July 24.
 Speedometer. J. Zubaty. 1,690,355; Nov. 6.
 Speedometer and indicator. W. J. Radke. 1,684,683; Sept. 18.
 Speedometer and motometer, Combined. J. M. Curlee. 1,680,503; Aug. 14.
 Speedometer construction. A. H. Joseph. 1,687,251; Oct. 9.
 Speedometer drive. E. A. Gustafson. 1,672,210; June 5.
 Speedometer drive. V. Hughes. 1,683,036; Sept. 4.
 Speedometer drive. F. N. Nutt. 1,662,536; Mar. 13.
 Speedometer-drive adapter. R. O. Helgeby. 1,683,033; Sept. 4.
 Speedometer drive, Drum-type. F. W. West. 1,654,714; Jan. 3.
 Speedometer drive on propeller shaft. J. Zubaty. 1,662,557; Mar. 13.
 Speedometer drive shaft. A. Champion. 1,658,552; Feb. 7.
 Speedometer, Electric. H. J. Murray. 1,662,433; Mar. 13.
 Speedometer mounting for vehicles. W. H. Wheeler. 1,692,601; Nov. 20.
 Speedometer of the eddy-current type. W. Erfurth. 1,664,406; Apr. 3.
 Speedometer-testing device. J. Lillyquist. 1,658,055; Feb. 7.
 Speedometers, Indicating attachment for. J. H. Frier, Jr. 1,693,075; Nov. 27.
 Spelling block. J. Rutherford. 1,682,686; Aug. 28.
 Sphygmomanometer. G. L. Jacquot. 1,673,513; June 12.
 Spice can, Dredge-top. L. Michael. 1,658,348; Feb. 7.
 Spicing machine, Tube. H. D. Stevens. 1,694,238; Dec. 4.
 Spider and elevator, Combined casing. G. A. Montgomery. 1,676,275; July 10.
 Spider for sucker rods and the like. E. J. Shaffer. 1,684,974; Sept. 18.
 Spider having mechanically-operated pipe slips. J. A. Harding. 1,685,284; Sept. 25.
 Spigot and socket pipe joint. P. G. Johnson, and H. R. Morgan. 1,683,076; Sept. 4.
 Spigot, Barrel. M. Ford. 1,663,195; Mar. 20.
 Spike base for athletic shoes. G. W. Bell. 1,696,619; Dec. 25.
 Spike, Nonclogging baseball-shoe. R. E. French. 1,675,885; July 3.
 Spike, Railroad. O. H. Warne. 1,680,351; Aug. 14.
 Spike, Railway. E. B. Griffin. 1,676,022; July 3.
 Spinach cleaner. M. Rein. 1,659,473; Feb. 14.
 Spindle; See—
 Mill driving spindle.
 Spindle. E. B. Feaster and C. B. Almy. 1,681,764; Aug. 21.
 Spindle. E. B. Feaster and C. B. Almy. 1,681,801; Aug. 21.
 Spindle. E. B. Feaster and A. W. Arnold. 1,681,800; Aug. 21.
 Spindle and bobbin. W. Beswick. 1,656,553; Jan. 17.
 Spindle and drill bushing plate, Combined. H. W. Bockhoff. 1,660,372; Feb. 28.
 Spindle bushing plate. R. E. Sterling, H. W. Bockhoff, and E. C. Hopkins. 1,660,363; Feb. 28.
 Spindle-carriage guide and adjustment. W. F. Zimmermann. 1,689,614; Oct. 30.
 Spindle drill head, Multiple-. J. F. Buhr. 1,696,468; Dec. 25.
 Spindle drill, Multiple-. W. P. Hunt. 1,672,812; June 5.
 Spindle drill, Radial multiple-. J. J. Boax and B. S. Robinoff. 1,677,999; July 24.
 Spindle drive, Variable. S. Einstein. 1,688,534; Oct. 23.
 Spindle for furniture pieces. O. B. Bach. 74,959; Apr. 24.
 Spindle for gelatin rolls. W. E. Williams. 1,667,916; May 1.
 Spindle for textile-spinning apparatus and driving it. F. Newton. 1,661,262; Mar. 6.
 Spindle, Gelatin-roll. W. E. Williams. 1,672,510; June 5.
 Spindle machine, Multiple-. L. G. Daniels. 1,664,374; Mar. 27.
 Spindle machines, Positive tapping mechanism for multiple-. R. M. Galloway. 1,681,288; Aug. 21.
 Spindle section. O. B. Bach. Des. 75,464; June 12.
 Spindle stop. W. F. Groene. 1,661,474; Mar. 6.
 Spindle tester. W. E. Thayer and F. W. West. 1,674,417; June 19.
 Spindles, Bobbin clutching means for rotatable. J. A. Miller. 1,662,780-1; Mar. 13.
 Spindles for creels, Arrangement of. R. C. Longvall. 1,676,864; July 10.
 Spindles in spinning machines and the like, Supporting means for. J. J. Keyser. 1,691,199; Nov. 13.
 Spindles, Mechanism for producing intermittent rotation of jigger. W. J. Miller. 1,655,431; Jan. 10.
 Spine support. M. Epstein. 1,667,626; Apr. 24.
 Spinner. C. T. Pfueger. 1,682,710; Aug. 28.
 Spinner. C. P. Schilpp. 1,666,072; Apr. 17.
 Spinner, Propeller-hub. E. G. McCauley. 1,668,972; May 8.
 Spinnerets, Making. H. J. Jones. 1,654,936; Jan. 3.
 Spinning. E. Gminder. 1,666,894; Apr. 24.
 Spinning and analogous machines, Spindle and bearing assembly for. G. P. McLaughlin. 1,668,375; May 1.
 Spinning and doubling frames, Pressing-off device for tubes and yarn bodies of. E. Toennissen. 1,682,156; Aug. 28.
 Spinning and twisting frame. J. Zvorikin. 1,664,959; Apr. 3.
 Spinning and twisting frames, Device relating to ring. R. Setzer. 1,665,422; Apr. 10.
 Spinning and twisting machine. J. J. Keyser. 1,676,093; July 3.
 Spinning and twisting machines, Actuating mechanism for. J. J. Keyser. 1,661,146; Feb. 28.
 Spinning and twisting machine, Thread. F. C. Werber. 1,662,649; Mar. 13.
 Spinning and twisting machines, Thread guide for. G. H. Magrath. 1,665,063; Apr. 3.
 Spinning apparatus. H. Kempf. 1,676,334; July 10.
 Spinning artificial filaments. R. Sajitz and F. Pospiech. 1,689,894; Oct. 30.
 Spinning artificial silk. H. Schmidt and E. Hubert. 1,689,895; Oct. 30.
 Spinning artificial silk, Apparatus for. G. Otto, A. Hartmann and G. Bauriedel. 1,682,797; Sept. 4.
 Spinning device and method. G. Bettini. 1,662,442; May 15.
 Spinning, doubling, and like machines, Doubling mechanism for cap. A. and J. Stell and H. Welch. 1,665,720; Apr. 10.
 Spinning frame. J. P. Garey. 1,678,039; July 24.
 Spinning frame, Flyer. S. Walker. 1,661,061; Feb. 28.
 Spinning frames, Wind-down mechanism for. J. H. Lalliberte. 1,695,713; Dec. 18.
 Spinning machine. R. Barbour. 1,683,436; Sept. 4.
 Spinning machine, Artificial-silk and like. J. L. Rushton. 1,672,691; June 5.

- Spinning machine for spinning artificial silk. A. Wagner. 1,677,940; July 24.
- Spinning machines. Bunch builder for. A. F. Coulter. 1,671,855; May 29.
- Spinning machines. Drawing roller for. U. Dittmar. 1,670,064; May 15.
- Spinning machines. Spindle-driving arrangement for. J. Berlinerblau. 1,658,701; Feb. 7.
- Spinning machines. Tension flyer for. E. Babcock and W. P. Watson. 1,655,352; Jan. 3.
- Spinning mule. Bunch-building. S. F. Rockwell and J. W. Randall. 1,692,866; Nov. 27.
- Spinning mules and the like. Producing cross-wound cops in. H. S. Golland. 1,672,024; June 5.
- Spinning or twisting frame. O. Lambert. 1,656,860; Jan. 17.
- Spinning pot. C. C. Jessen. 1,663,555; Mar. 27.
- Spinning-ring traveler. C. F. Merrill. 1,666,714; Apr. 17.
- Spinning-ring travelers. Constructing. C. F. Merrill. 1,676,205; July 3.
- Spinning-top holder. A. H. Pfaff. 1,668,695; May 8.
- Spinning, twisting, and like machines. Doffing mechanism for. J. P. Mackie. 1,695,659; Dec. 18.
- Spinning yarn. Machine for. F. Ferrand. 1,671,820; May 29.
- Spinning yarn. Method of and apparatus for. D. S. Seaman. 1,678,919; July 31.
- Spiral conveyer. Endless. J. O. Bailey. 1,684,254; Sept. 11.
- Spiral separator. F. Pardee. 1,659,153; Feb. 14.
- Spiral wrappings. Apparatus for applying. J. Carroll. 1,670,061; May 15.
- Spirit level. J. Mayes. 1,691,776; Nov. 13.
- Spits used in preparing salmon for barbecue. S. B. Mayhew. 1,683,834; Sept. 11.
- Splice bar. C. W. Breed. 1,690,471; Nov. 6.
- Splice bar. G. Langford. 1,659,775; Feb. 21.
- Splice for woven-wire fabrics. Bar. K. E. Peiler. 1,675,276; June 26.
- Splice-laminating glass. L. Bartelstone. 1,666,252; Apr. 17.
- Splicing fabric. Apparatus for. W. W. Benner and E. A. Hoener. 1,677,857; July 17.
- Splicing machine. Cable. D. T. May and C. G. McCormick. 1,681,245; Aug. 21.
- Splicing multiply thread. Apparatus for and method of. R. L. Young. 1,675,400; July 3.
- Splicing-sleeve wrench. Wire. F. D. Harr and J. Fallon. 1,683,887; Sept. 11.
- Splint catcher. A. Hansen and L. Gaarder. 1,663,699; Mar. 27.
- Splint. Femur. J. H. Nicholson and W. D. Cavin. 1,662,758; Mar. 13.
- Splint-forming machine. A. Bussy. 1,669,737; May 15.
- Split fabric. A. Gagné. 1,673,766; June 12.
- Split fabric. Making. A. Gagné. 1,673,765; June 12.
- Split reduction device. T. H. Thomas. 1,690,315; Nov. 6.
- Split-sleeve frictional reverser. O. E. Schauer and R. L. Rickwood. 1,659,304; Feb. 14.
- Splitter. Bale. P. W. Lehman. 1,680,222; Aug. 7.
- Splitting machine. J. Gouldbourn, B. P. Cooper, and H. E. Elliott. 1,694,441; Dec. 11.
- Splitting machine. Wood. G. S. Witham, sr. 1,691,102; Nov. 13.
- Spoke and making it. Tubular. H. P. Arnt and E. J. Arnold. 1,687,487; Oct. 16.
- Spoke and the like. Wire. C. S. Ash. 1,660,319; Feb. 28.
- Spoke end connection. Hollow. H. P. Arnt. 1,666,615; Apr. 17.
- Spoke-forming machine. T. F. Rainsford. 1,672,087; June 5.
- Spoke tightener. H. Coffey. 1,669,899; May 15.
- Spoke tightener. G. C. Hill. 1,672,643; June 5.
- Spoked articles. Manufacturing. H. H. Williams. 1,674,537; June 19.
- Spokes, Filling. A. S. Van Halteren. 1,660,535; Feb. 28.
- Spokes. Making reinforced tubular. H. P. Arnt. 1,685,832; Oct. 2.
- Sponge holder. A. Pataki. 1,660,351; Feb. 28.
- Sponge. Menstrual. A. Hallenberg. 1,669,295; May 8.
- Sponge rubber. Manufacture of. T. W. Miller. 1,674,053; June 19.
- Sponge-rubber structure and making the same. A. B. Merrill. 1,659,371; Feb. 14.
- Sponging and shrinking machine. Tape. J. Saltzman and F. H. Lange. 1,687,639; Oct. 16.
- Spool. H. Brucker. 1,666,404; Apr. 17.
- Spool. H. Brucker. 1,677,951; July 24.
- Spool. P. J. Farley. 1,684,019; Sept. 11.
- Spool. P. Mossberg. 1,672,167; June 5.
- Spool. M. Schoenfeld. 1,682,309; Aug. 28.
- Spool and bobbin. H. D. Clinton. 1,681,096; Aug. 14.
- Spool and method of manufacturing spools. G. L. Rock. 1,696,256; Dec. 25.
- Spool and the like. H. H. Danders. 1,683,273; Sept. 4.
- Spool. Braider. H. Janssen. 1,657,755; Jan. 31.
- Spool carrier for plaiting. Knotwork, bobbin, and lace-making machines. A. Hombrecht. 1,665,783; Apr. 10.
- Spool for tube frames. Yarn. E. F. Hathaway and W. Bixby. 1,681,898; Aug. 21.
- Spool head. F. C. Birkholtz. 1,656,032; Jan. 10.
- Spool holder. F. A. Matland. 1,656,008; Jan. 10.
- Spool-holding device. J. T. Dowdall. 1,684,951; Sept. 18.
- Spool-holding guard. A. Omsk. 1,675,193; June 26.
- Spool. Jack. C. P. Park. 1,675,907; July 3.
- Spool or bobbin. H. D. Clinton. 1,670,022; May 15.
- Spool or bobbin. H. J. Davis. 1,662,238; Mar. 13.
- Spool. Ribbon. J. S. Duncan and H. E. Hubbard. 1,679,713; Aug. 7.
- Spool. Yarn. E. F. Hathaway. 1,663,498; Mar. 20.
- Spooler's knottor. B. E. Byrd. 1,655,011; Jan. 3.
- Spooling device. Cable. E. N. Unruh, jr. 1,698,876; Dec. 4.
- Spooling mechanism. W. D. Pierson. Re16,859; Jan. 24.
- Spooling mechanism. Material. J. N. Selvig. 1,678,710; July 31.
- Spools. Attachment for thread. B. A. Smith. 1,681,263; Aug. 21.
- Spoon. C. Cassidy. Des. 75,211; May 22.
- Spoon. M. Norman. 1,666,106; Apr. 17.
- Spoon and fork or similar article. Combined. A. A. Gordon. Des. 76,013; Aug. 14.
- Spoon, Dipping. J. Evans. Des. 76,293; Sept. 11.
- Spoon-holding attachment. N. Linsemeyer. 1,657,968; Jan. 31.
- Spoon or analogous article. A. L. Barney. Des. 75,203; May 22.
- Spoon or analogous article. H. E. Nock. Des. 77,182; Dec. 11.
- Spoon or analogous article. A. Prinz. Des. 76,499; Oct. 2.
- Spoon or like article. H. A. Malinowski. Des. 76,946; Nov. 20.
- Spoon or similar article. G. N. Allen. Des. 74,860; Apr. 10.
- Spoon or similar article. G. N. Allen. Des. 76,111-2; Aug. 21.
- Spoon or similar article. G. N. Allen. Des. 76,174; Aug. 21.
- Spoon or similar article. E. T. Beck. Des. 74,250; Jan. 17.
- Spoon or similar article. E. N. Cornell. Des. 74,863; Apr. 10.
- Spoon or similar article. E. W. Hall. Des. 75,911; July 31.
- Spoon or similar article. H. Hebbard. Des. 74,884; Apr. 10.
- Spoon or similar article. H. Hillbom. Des. 74,263; Jan. 17.
- Spoon or similar article. H. Hillbom. Des. 75,975; Aug. 7.
- Spoon or similar article. A. K. Hobson. Des. 76,394; Sept. 25.
- Spoon or similar article. S. V. James. Des. 74,887; Apr. 10.
- Spoon or similar article. S. V. James. Des. 75,033; May 1.
- Spoon or similar article. A. G. Kintz. Des. 76,193; Aug. 28.
- Spoon or similar article. T. B. Lashar. Des. 74,612; Mar. 6.
- Spoon or similar article. T. B. Lashar. Des. 74,678; Mar. 13.
- Spoon or similar article. W. S. Warren. Des. 76,333-4; Sept. 11.
- Spoon or similar article. W. S. Warren. Des. 77,340; Dec. 25.
- Spoon or similar article. S. G. Wilkes. Des. 74,245; Jan. 10.
- Spoon. Stirring. A. L. Daniels and F. H. Booge. 1,654,965; Jan. 3.
- Spoon. Trolling. G. Mapel. 1,692,674; Nov. 20.
- Spoons. Making wooden. F. E. Libbey. 1,673,519; June 12.
- Sport ball. W. W. MacDonald. 1,662,527; Mar. 13.
- Sport rider. H. N. Hulander. 1,695,689; Dec. 18.
- Sporting apparatus. O. Feick. 1,676,015; July 3.
- Sporting implement. J. H. Victor. 1,696,462; Dec. 25.
- Spot and turn light. E. B. Gibson. 1,655,900; Jan. 10.
- Spotlamp with extension cord. Demountable. E. G. K. Anderson. 1,687,651; Oct. 16.
- Spotlight. G. W. Aldeen. 1,668,184; May 1.
- Spotlight. G. W. Aldeen. 1,687,321; Oct. 16.
- Spotlight. G. E. Blake and J. H. Bruninga. 1,661,784; Mar. 6.
- Spotlight. R. G. Dexter and S. S. Auchincloss, jr. 1,655,359; Jan. 3.
- Spotlight. J. H. Kliegl. 1,679,361; Aug. 7.
- Spotlight. L. M. Walden. 1,673,783; June 12.
- Spotlight. C. A. Whitsett. 1,657,141; Jan. 24.
- Spotlight and mounting therefor. H. P. Thompson. 1,675,519; July 3.
- Spotlight and supporting bracket. Combined. W. W. Gehersky. Des. 75,011; May 1.
- Spotlight assembling. B. Vale. 1,654,766; Jan. 3.
- Spotlight control. E. L. Larson. 1,681,486; Aug. 21.
- Spotlight. Dirigible. B. F. Miller. 1,687,173; Oct. 9.
- Spotlight for automobiles. E. Johnson. 1,655,612; Jan. 10.
- Spotlight for automobiles. Dirigible. W. V. Van Etten. 1,686,996; Oct. 9.
- Spotlight for vehicles. Dirigible. L. H. Miles. 1,680,903; Aug. 14.
- Spotlight. Limited-range. A. C. Wood. 1,691,420; Nov. 13.
- Spotlight-mounting device. J. E. Prince and J. E. Schooley. 1,683,915; Sept. 11.
- Spotlight mounting. Dirigible. W. V. Van Etten. 1,692,101; Nov. 20.

- Spotlight switch. G. Aldeen. 1,683,320; Sept. 4.
Spotlight, Vehicle. H. E. Vanderveer. 1,656,457; Jan. 17.
Spotlight, Wide-range. G. W. Aldeen. 1,671,264; May 29.
Spotlights, Adjustable range stop for. G. W. Aldeen. 1,657,653; Jan. 31.
Spotlights, Adjusting means for. C. M. Chamberlain. 1,656,419; Jan. 17.
Spot-setting machine, Automatic. W. Scheuer. 1,685,504; Sept. 25.
Spout, Distributing. W. de Back. 1,668,804; May 8.
Spout for coffeepots and the like. I. C. Richheimer. 1,663,317; Mar. 20.
Spout for containers, Pouring. C. H. Rollason. 1,687,316; Oct. 9.
Spray. E. S. Danielson. 1,675,257; June 26.
Spray appliance, Flat-. M. J. Binks. 1,655,254; Jan. 3.
Spray attachment for retorts. R. A. Sindall. 1,685,884; Oct. 2.
Spray device, Variable. I. W. P. Buchanan. 1,670,235; May 15.
Spray, Gang. H. D. Binks. 1,658,220; Feb. 7.
Spray gun. S. F. Anderson. 1,689,848; Oct. 30.
Spray gun. A. M. Craig. 1,682,037; Aug. 28.
Spray gun and operating the same. E. Stephan. 1,661,239; Mar. 6.
Spray-gun head. M. J. Binks. 1,655,253; Jan. 3.
Spray-gun head. M. J. Binks. 1,655,257; Jan. 3.
Spray-gun-head construction. M. J. Binks. 1,655,255; Jan. 3.
Spray heads, Determining the area and angle of openings in perforated. K. K. Ledig. 1,688,427; Oct. 23.
Spray, Oil. C. E. Sims. 1,680,645; Aug. 14.
Spray rooms, Coating-material separator and draft equalizer for. M. J. Binks. 1,655,256; Jan. 3.
Spray screen. E. Spelta. 1,662,545; Mar. 13.
Spray washer. F. W. Cutler. 1,694,734; Dec. 11.
Sprayer. J. S. Johnson. 1,674,515; June 19.
Sprayer. A. W. Kegler. Re1,696,1; May 15.
Sprayer, Dust. F. E. Greene. 1,688,706; Oct. 23.
Spraying and treating liquids, Apparatus for. C. O. Lavett. 1,667,291; Apr. 24.
Spraying apparatus. A. M. Dow. 1,687,085; Oct. 9.
Spraying apparatus. C. G. Shields. 1,665,224; Apr. 10.
Spraying apparatus. G. C. Waters, jr. 1,691,097; Nov. 13.
Spraying apparatus, Sugar-. J. R. Peterson. 1,687,178; Oct. 9.
Spraying device. H. C. Baumgardner. 1,663,676; Mar. 27.
Spraying device. C. Brown. 1,684,661; Sept. 18.
Spraying device. H. Bryan, W. H. Ross, and J. R. Adams. 1,670,711; May 22.
Spraying device. I. W. P. Buchanan. 1,669,282; May 8.
Spraying device. J. Dormoy. 1,689,279; Oct. 30.
Spraying device. W. J. Clements. 1,687,545; Oct. 16.
Spraying device. A. H. Hottinger. 1,686,003-4; Oct. 2.
Spraying device. G. T. Pearsons. 1,671,779; May 29.
Spraying device. T. B. Turley, W. H. Ross, and A. R. Merz. 1,670,831; May 22.
Spraying device. L. Wittenberg. 1,658,320; Feb. 7.
Spraying device, Poultry-. P. and A. Teyen. 1,696,460; Dec. 25.
Spraying hydrocarbon fuel, Device for. H. E. Davis. 1,694,209; Dec. 4.
Spraying machine. F. H. Yale. 1,694,806; Dec. 11.
Spraying machines, Dispensing mechanism for. A. W. Walker. 1,664,802; Apr. 3.
Spraying plastic or comminuted materials, Apparatus for. J. R. Mack. 1,668,080; May 1.
Spreader. S. Brininger and R. H. Gilbert. 1,655,780; Jan. 10.
Spreader. N. V. Hendricks. 1,690,090; Oct. 30.
Spreader, Asphalt. A. T. Newell. 1,695,201-3; Dec. 11.
Spreader, Check-fold. P. A. Getz. 1,687,438; Oct. 9.
Spreader for distancing spaced pipes and the like. G. A. Furneaux. 1,676,434; July 10.
Spreader for wood forms, Metallic. E. G. Brown. 1,683,446; Sept. 4.
Spreaders, Lime-spreading attachment for manure. H. Claar. 1,669,693; May 15.
Spreading the riser bars of commutators, Apparatus for. L. E. Poole. 1,683,261; Sept. 4.
Spring: See—
Air spring. Rail-joint spring.
Bending spring. Stabilizing spring.
Door spring. Temperature-compensating spring.
Leaf spring. Valve spring.
Oscillator spring. Vehicle spring.
Piston-ring spring.
Pneumatic spring.
Spring. M. P. Delory. 1,679,410; Aug. 7.
Spring. C. F. Ross. 1,688,749; Oct. 23.
Spring. F. C. Shepley. 1,660,892; Feb. 28.
Spring-actuated lubricator. K. E. Lyman. 1,664,936; Apr. 3.
Spring and making same. W. Wuerfel. 1,668,297; May 1.
Spring arrangement for foundation brake rigging, Release. H. J. Lounsbury. 1,674,831; June 26.
Spring assemblies, Apparatus and process for fabricating. C. D. Karr. 1,656,204; Jan. 17.
Spring assembly, Antifriction air-. J. A. Heany. 1,693,603; Dec. 4.
Spring bolt. J. C. Griffin. 1,678,982; July 31.
Spring clamp. R. J. Keays and E. I. Coffey. 1,668,912; May 8.
Spring clip. L. Mallette. 1,656,982; Jan. 24.
Spring clip for holding leather. W. L. Van Valkenburg. 1,675,286; June 26.
Spring clip, Shock-absorbing. R. J. Slodla. 1,654,812; Jan. 3.
Spring-coiling machine. L. E. Des Combes. 1,673,185; June 12.
Spring collet chuck. E. F. Atkins. 1,665,250; Apr. 10.
Spring compressor. J. R. Drolet. 1,674,196; June 19.
Spring connection, Vehicle. G. C. Goode. 1,691,185; Nov. 13.
Spring construction. V. Hughes. 1,668,719; May 8.
Spring construction for furniture. J. R. Thomas. 1,694,995; Dec. 11.
Spring construction for seats, Back-. F. A. Pettingell and A. Carlson. 1,664,526; Apr. 3.
Spring construction, Vehicle. J. E. Wood. 1,659,798; Feb. 21.
Spring-containing strip. F. A. Kellar. 1,663,272; Mar. 20.
Spring control. K. O. Schauman, S. R. Yancey, and J. L. Mifsud. 1,679,181; July 31.
Spring control, Vehicle. P. T. Stoughton. 1,693,097; Nov. 27.
Spring cushion. W. Lewis. 1,678,400; July 24.
Spring cushion and the like. C. P. Trimble. 1,694,359; Dec. 4.
Spring-cushion construction. M. Lipps. 1,684,234; Sept. 11.
Spring-cushion structure. P. Krakauer. 1,655,551; Jan. 10.
Spring forming and tempering machine. J. F. Beans and B. L. Le Roy. 1,682,734; Sept. 4.
Spring-forming machine. W. H. Bleuel. 1,676,598; July 10.
Spring-forming machine. T. F. Buckley. 1,685,415; Sept. 25.
Spring-handling apparatus. D. E. Odom. 1,676,704; July 10.
Spring holding and positioning clip. H. W. Kulp and M. C. Dellinger. 1,690,731; Nov. 6.
Spring hook. E. R. Chittenden. 1,672,710; June 5.
Spring-inserting mechanism. J. E. Gail. 1,685,566; Sept. 25.
Spring jack. R. C. Schlorf. 1,660,819; Feb. 28.
Spring lubricator. H. I. Brooks and M. D. Norman. 1,691,223; Nov. 13.
Spring-making machine, Wire-. C. H. Ziller. 1,682,949; Sept. 4.
Spring mat for upholstered articles. J. L. MacInerney. 1,683,684-5; Sept. 11.
Spring motor. I. F. Burton. 1,681,393; Aug. 21.
Spring motor. C. B. Collins. Re1,710,6; Oct. 23.
Spring motor. H. Kollmann. 1,673,197; June 12.
Spring motor. D. E. Odom. 1,677,045; July 10.
Spring motor. O. Wittel. 1,676,596; July 10.
Spring mounting, Rear. E. W. Seaholm. 1,668,736; May 8.
Spring pad. A. B. Clisson. 1,691,643; Nov. 13.
Spring pad and making the same, Welded. C. E. Waream. 1,665,762; Apr. 10.
Spring-pad construction. L. S. Hollowell. 1,679,030; July 31.
Spring pad construction. H. A. Steele. 1,690,652; Nov. 6.
Spring pad for pressing machines. H. A. Steele. 1,696,653; Dec. 25.
Spring plank. B. W. Kadel. 1,686,564; Oct. 9.
Spring remover, Hair-. S. Helfgott. 1,674,644; June 26.
Spring resistance, Controlling. A. F. Hegenberger and G. P. Luckey. 1,674,548; June 19.
Spring shackle. L. P. Christman. 1,687,057; Oct. 9.
Spring shackle. H. D. Geyer. 1,661,220; Mar. 6.
Spring shackle. H. D. Geyer. 1,676,489-90; July 10.
Spring-shackle connection, Automobile. W. D. Root. 1,658,303; Feb. 7.
Spring-shackle construction. H. D. Church. 1,656,726; Jan. 17.
Spring shoe. T. W. Thackery. 1,672,506; June 5.
Spring snubber for automobiles. G. B. Hooton. 1,690,113; Nov. 6.
Spring structure. W. A. Falls. 1,665,539; Apr. 10.
Spring support. S. P. Bush. 1,656,166; Jan. 17.
Spring support for chairs, couches, and the like. A. H. Salmon. 1,696,126; Dec. 18.
Spring suspension. C. A. Erickson. 1,686,230; Oct. 2.
Spring suspension. J. A. Wright. 1,686,195; Oct. 2.
Spring suspension for automobile chassis frames. R. C. Bicknell. 1,677,948; July 24.
Spring suspension for lorries. M. Leytens. 1,694,422; Dec. 11.
Spring suspension for motor vehicles. J. F. Adye. 1,684,692; Sept. 18.
Spring suspension for vehicles. H. W. Hyde. 1,655,227; Jan. 3.
Spring suspension for vehicles. H. W. Hyde. 1,686,561; Oct. 9.
Spring suspension for vehicles. G. A. Lunz. 1,689,038; Oct. 23.
Spring suspension or shock absorber for vehicles. J. Robinson. 1,681,050; Aug. 14.
Spring suspension system, Complementary. F. L. O. Wadsworth. 1,671,332; May 29.

- Spring-trap for trapping fur-bearing animals, Projecting. W. Biederman. 1,666,728; Apr. 17.
- Spring washer, Compression-. C. H. Loutrel. 1,655,018; Jan. 3.
- Spring washer, Compression. C. H. Loutrel. 1,691,444; Nov. 13.
- Spring wheel. L. C. Anderson. 1,659,938; Feb. 21.
- Spring wheel. J. R. Eaid. 1,678,693; July 31.
- Spring wheel. F. W. Montgomery. 1,665,558; Apr. 10.
- Spring wheel. A. B. Nihros. 1,686,168; Oct. 2.
- Spring wheel. L. F. Nording. 1,656,986; Jan. 24.
- Spring wheel. S. Ringstod. 1,672,090; June 5.
- Spring wheel. J. D. Short. 1,662,542; Mar. 13.
- Spring-wire connector coupling. R. A. Smith. 1,657,844; Jan. 31.
- Springs, Attaching coiled. O. J. Sundstrand. 1,664,647; Apr. 3.
- Springs, Attachment of motor-vehicle road. D. Robertson. 1,685,005; Sept. 18.
- Springs, Connecting means for. L. E. Pittoni and G. F. Sisbower. 1,663,315; Mar. 20.
- Springs, Manufacture of. J. M. Schoonmaker, jr., and D. T. Gleason. 1,691,211; Nov. 13.
- Sprinkler: See—
- Centrifugal sprinkler. Lawn sprinkler.
- Irrigation sprinkler. Track sprinkler.
- Sprinkler. C. R. Flisk. 1,668,271; May 1.
- Sprinkler. J. H. Keys. 1,665,371; Apr. 10.
- Sprinkler. J. H. Keys. 1,685,165; Sept. 25.
- Sprinkler. L. R. Nelson. 1,677,485; July 17.
- Sprinkler. S. Owen and W. F. Roberts. 1,659,470; Feb. 14.
- Sprinkler head. H. Beddoes. 1,667,964; May 1.
- Sprinkler head. H. E. Meng. 1,693,245; Nov. 27.
- Sprinkler heads, Slow-speed rotation facilitator for. W. A. Buckner. 1,668,582; May 8.
- Sprinkler system. C. Adams, jr. 1,686,221; Oct. 2.
- Sprinkler systems, Accelerator for dry pipe. E. Tyden. 1,662,256; Mar. 13.
- Sprinkler systems, Exhaust connection for dry-pipe. E. Tyden. 1,669,433; May 15.
- Sprinkler systems, Retarding chamber for automatic. J. E. Evans and F. H. Griffith. 1,680,142; Aug. 7.
- Sprinkler systems, Signal-alarm device for. J. G. Nolen. 1,665,561; Apr. 10.
- Sprinklers, Strut for automatic. W. Grimshaw. 1,679,568; Aug. 7.
- Sprinkling system. L. Spencer. 1,693,556; Nov. 27.
- Sprinkling systems, Alarm valve for automatic. H. M. Nacey. 1,661,442; Mar. 6.
- Sprocket, Automatic compensating. F. C. Thompson. 1,686,672; Oct. 9.
- Sprocket wheel. E. L. Firth. 1,670,718; May 22.
- Sprouter, Oat. J. Wastak. 1,688,407; Oct. 23.
- Spudding shoe. G. E. Watson. 1,673,960; June 19.
- Sputum cup, Pocket. J. Kauffman. 1,680,151; Aug. 7.
- Square for designing garment patterns. A. Zingali. 1,667,646; Apr. 24.
- Square, Leveling. W. Midgley. 1,665,504; Apr. 10.
- Square, Miter. W. Lissy. 1,691,118; Nov. 13.
- Square, Multiplane bevel. G. W. Fothergill. 1,691,801; Nov. 13.
- Square pie. J. C. Hutchison. Des. 75,498; June 12.
- Squeegee and the mounting thereof. J. Demand. 1,684,477; Sept. 18.
- Squeezer, Foundry jolt. E. J. Byerlein. 1,696,669; Dec. 25.
- Squeezer, Lemon. T. L. Lynam. 1,676,102; July 3.
- Stabilization of transmission lines. C. J. Fechheimer. 1,685,993; Oct. 2.
- Stabilizer. A. F. Deuel. 1,669,232; May 8.
- Stabilizer. A. F. Deuel. 1,671,704; May 29.
- Stabilizer. E. Maddy. 1,672,820; June 5.
- Stabilizer-adjusting mechanism. D. J. Brimm, jr. 1,691,376; Nov. 13.
- Stabilizer and plaster composition containing the same. A. H. Gallagher. 1,683,539; Sept. 4.
- Stabilizer, Automatic air. J. H. Harley. 1,669,828; May 15.
- Stabilizer for bedsprings. J. T. Atkinson. 1,696,291; Dec. 25.
- Stabilizer for flying machines. E. F. Santo. 1,679,379; Aug. 7.
- Stabilizer for rotatable gear-driven shafts, Angular velocity. A. J. Holman. 1,686,857; Oct. 9.
- Stabilizing device. H. O. Hem. 1,689,722; Oct. 30.
- Stabilizing means for radio receiving systems. P. E. Edelman. 1,676,256; July 10.
- Stabilizing spring. J. W. Fry. 1,664,618; Apr. 3.
- Stack or fuel control. Automatic. P. E. Haynes. 1,669,707; May 15.
- Stack shaper. F. W. Horstkotte. 1,666,451; Apr. 17.
- Stacker. C. Pearson. 1,677,488; July 17.
- Stacker, Slice. C. F. M. van Berkel. 1,674,381; June 19.
- Stackers, Extension hood for wind. C. McNabb. 1,681,777; Aug. 21.
- Stacking brace. E. W. Systrom and J. F. Warren. 1,687,907; Oct. 16.
- Stacking machine. W. K. Liggett. 1,680,223; Aug. 7.
- Stacking machine, Pig-. W. E. Newnam. 1,691,552; Nov. 13.
- Stacking mechanism for paper-box machines. E. G. Staudel. 1,671,790; May 29.
- Staff and mounting therefor. W. A. Davis. 1,665,535; Apr. 10.
- Stage heater, Plural. C. W. Stancliffe. 1,658,063; Feb. 7.
- Staircase of the ascending and descending type, Moving. E. Hocquart and E. Hugoniot. 1,668,644; May 8.
- Stair construction. E. Hedeon. 1,684,764-5; Sept. 18.
- Stair-covering apparatus. C. M. Molinelli. 1,684,328; Sept. 11.
- Stair, ladder, and the like. W. W. Smith, V. B. Trevellyan, and N. J. Jewett. 1,688,210; Oct. 16.
- Stair-landing construction. A. L. Smith. 1,666,222; Apr. 17.
- Stair, Metallic. E. Hedeon. 1,684,766; Sept. 18.
- Stair nosing. H. A. Welcome. 1,681,073; Aug. 14.
- Stair nosing. H. A. Welcome. 1,687,600; Oct. 16.
- Stair-rail structure, Ornamental iron. R. L. Mapson. 1,664,080; Mar. 27.
- Stair-riser protector. E. Hyman. 1,662,611; Mar. 13.
- Stair rod. C. Muentener. 1,685,679; Sept. 25.
- Stair structure. N. Bois. 1,673,178; June 12.
- Stair structure. A. J. Hall. 1,679,570; Aug. 7.
- Stair structure. M. Lerner. 1,655,769; Jan. 10.
- Stairs. G. F. Zaun. 1,664,724; Apr. 3.
- Stair treads, thresholds, and the like, Nonskid metal covering for. G. W. Brooks. 1,674,713; June 26.
- Stairway construction. L. W. Norberg. 1,660,392; Feb. 28.
- Stairway, Metallic. G. L. Bennett. 1,676,317; July 10.
- Stake for vehicle sideboards. F. J. Charlebois and A. H. Martin. 1,691,639; Nov. 13.
- Stake retainer or the like. M. E. Moore. Des. 74,892; Apr. 10.
- Stalk breaker. W. H. Keune. 1,680,218; Aug. 7.
- Stalk cutter. J. F. A. and R. A. Michalka. 1,676,105-6; July 3.
- Stalk cutter, Double-row. P. Blakely. 1,696,186; Dec. 25.
- Stall bar, Cattle-. L. E. Sederberk. 1,692,470; Nov. 20.
- Stall for buildings. C. B. Lawton. 1,669,203; May 8.
- Stall, Horseshoeing. F. J. Steff. 1,668,384; May 1.
- Stamp-affixing apparatus. R. S. Murphy. 1,669,946; May 15.
- Stamp-affixing machine. H. F. Lessmann. 1,681,984; Aug. 28.
- Stamp-affixing machine. J. D. Smith and C. R. Phillips. 1,693,965; Dec. 4.
- Stamp and ticket delivering machine. H. Leopold. 1,682,084; Aug. 28.
- Stamp box. C. C. Harris. 1,684,318; Sept. 11.
- Stamp carrier. A. R. Tallman. 1,661,395; Mar. 6.
- Stamp holder. A. R. Tallman. 1,661,394; Mar. 6.
- Stamp mounting and label. A. K. Smith, jr. 1,680,699; Aug. 14.
- Stamp presses, Feeding mechanism for. C. E. McManus. 1,662,012; Mar. 6.
- Stamp, Rotary box. G. Differ. 1,678,589; July 24.
- Stamp, Rubber. C. L. Smith. 1,681,999; Aug. 28.
- Stamp, Time. J. W. Adlon. 1,683,319; Sept. 4.
- Stamp, Time. C. B. Corcoran. 1,654,532; Jan. 3.
- Stamper, Package. P. M. Nejedly. 1,682,406; Aug. 28.
- Stamping and embossing press attachment. R. Lange. 1,669,477; May 15.
- Stamping apparatus. T. A. Gorman. 1,675,801; July 3.
- Stamping device. A. J. Marks. 1,665,597; Apr. 10.
- Stamping device. D. B. Miller. 1,665,467; Apr. 10.
- Stamping machine. S. Anthony. Re16,977; May 29.
- Stamping machine, Cigar-box-. G. W. Gwinn. 1,682,503; Aug. 28.
- Stamping machine, Pocket-space. J. F. Silverman. 1,681,882; Aug. 21.
- Stamping mill, Bronze-. A. Lebrecht. 1,688,548; Oct. 23.
- Stamping or embossing machine. C. Jobst. 1,661,178; Mar. 6.
- Stamping press. A. A. Byerlein. 1,686,844; Oct. 9.
- Stamps on mail matter, Method and apparatus for affixing. R. Adams. 1,658,218; Feb. 7.
- Stamps to package-wrapping material to prepare it for use in packaging machines, Device for applying revenue. W. B. Bronander. 1,672,514; June 5.
- Stanchion. H. W. McCandless. 1,676,563; July 10.
- Stanchion bracket. A. Mendez. 1,685,135; Sept. 25.
- Stanchion, Marine rail. J. R. Schalk. Des. 77,128; Dec. 4.
- Stand: See—
- Adjustable stand. Piston stand.
- Advertising stand. Radiator stand.
- Air stand. Railway-switch stand.
- Banjo stand. Reading stand.
- Boiler stand. Sadiron stand.
- Calendar stand. Saxophone-player's stand.
- Camera-holding stand. Shoe-blacking stand.
- Candy menu stand. Shoe-repairing stand.
- Christmas-tree stand. Shoe-shining stand.
- Convertible stand. Smoker's stand.
- Display stand. Smoking stand.
- Fire-hose stand. Supporting stand.
- Fire-monitor stand. Switch stand.
- Iron stand. Telephone stand.
- Lamp stand. Testing stand.
- Motor stand. Tool stand.
- Musical-instrument stand. Transmission stand.
- Napkin stand. Tree stand.
- News stand. Tub stand.
- Pen desk stand. Tube-deflating stand.
- Pipe-vise stand.

- Stand. N. R. Inglis. 1,684,446; Sept. 18.
 Stand. A. B. Montgomery. Des. 74,693; Mar. 13.
 Stand and control switch for electric irons, Supporting. M. A. Reynolds. 1,681,132; Aug. 14.
 Stand construction for posters. A. S. Burke. 1,671,058; May 22.
 Stand for aquarium or the like. B. Tauman. Des. 74,902; Apr. 10.
 Stand for cinematographic and photograph view taking apparatus. A. L. V. C. Debie. 1,666,848; Apr. 17.
 Stand for heating electric sadirons. R. E. Allen. 1,679,756; Aug. 7.
 Stand for smokers' sets. J. H. Bradnack. 1,681,026; Aug. 14.
 Standpipe for feeding locomotives. L. B. Graham. 1,669,196; May 8.
 Stand with water-cooled drum, Paper-unwinding. E. E. Berry. 1,685,117; Sept. 25.
 Stands, Base for display. W. E. Kehoe. Des. 74,997; Apr. 24.
 Standard for electric wiring and supports therefor. G. Herrmann. 1,667,970; May 1.
 Staple. J. B. Crofoot. 1,684,728; Sept. 18.
 Staple. J. Fritz. 1,671,895; May 29.
 Staple. G. A. Parker. 1,695,155; Dec. 11.
 Staple-making machine. C. C. Blake. 1,660,952; Feb. 28.
 Staple or the like. J. V. Sundquist. 1,669,312; May 8.
 Stapling machine. H. G. Allen. 1,675,080; June 26.
 Stapling machine. J. B. Crofoot. 1,663,242. Mar. 20.
 Stapling machine. B. Jahn. 1,679,662; Aug. 7.
 Stapling machine. D. R. La Place. 1,655,275; Jan. 3.
 Stapling machine. F. Polzer. 1,688,879; Oct. 23.
 Stapling machine or tacker. A. H. Maynard. 1,671,733; May 29.
 Stapling machine or tacker. A. H. Maynard. 1,687,871; Oct. 16.
 Stapling mechanism. W. F. Newhouse. 1,657,133; Jan. 24.
 Stapling mechanism. E. P. Sheldon. 1,662,442; Mar. 13.
 Stapling mechanism. E. P. Sheldon. 1,664,434; Apr. 3.
 Starch and glucose, Manufacturing. C. R. Brown and H. E. Nelson. 1,690,360; Nov. 6.
 Starch and manufacturing same, Laundry. L. O. Gill. 1,656,190; Jan. 17.
 Starch, Making cold swelling. E. Wulkan. 1,677,314; July 17.
 Starch, Manufacture of. G. M. Moffett. 1,655,395; Jan. 3.
 Starch material and making it, Prepared. A. Boidin and J. Effront. 1,677,615; July 17.
 Starch products, Making. E. Stern. 1,661,201; Mar. 6.
 Starch, Treating. J. Kantorowicz. 1,677,348; July 17.
 Starching apparatus, Centrifugal. A. J. Dreher and F. J. Couch. 1,686,313; Oct. 2.
 Starter, Automatic. F. R. Zumbro and F. Shenton. 1,690,187; Nov. 6.
 Starter, Automatic motor. L. C. Hardesty. 1,685,671; Sept. 25.
 Starter, Automobile. T. Ward. 1,691,417; Nov. 13.
 Starter, Engine. J. A. Charter. 1,682,368; Aug. 28.
 Starter for automobiles and the like, Vaporized gas and air. J. H. Weller. 1,676,591; July 10.
 Starter for electric motors. W. C. O'Brien. 1,665,562; Apr. 10.
 Starter for electric motors, Centrifugal. M. Schiesser. 1,682,424; Aug. 28.
 Starter mechanism. R. Chilton. 1,679,602; Aug. 7.
 Starter, Motor. C. T. Evans. 1,676,388; July 10.
 Starter, Motor. E. W. Seeger. 1,686,772; Oct. 9.
 Starter, Synchronous motor. C. W. Drake. 1,685,944; Oct. 2.
 Starting and controlling device for internal-combustion motors. B. A. De Waern. 1,684,299; Sept. 11.
 Starting and stopping device for motor-propelled vehicles, Automatic. L. L. Custer. 1,675,165; June 26.
 Starting and synchronizing of alternating-current dynamo-electric machines. W. A. A. Burgess. 1,683,284; Sept. 4.
 Starting apparatus, Engine-. W. A. Chryst. 1,679,405; Aug. 7.
 Starting arrangement for internal-combustion engines. P. Viet. 1,695,218; Dec. 11.
 Starting connection for alternating motors. E. Mayer. 1,672,897; June 12.
 Starting device for heat engines, Electromechanical. G. Dolne-Dehan. 1,692,546; Nov. 20.
 Starting device for starting combustion engines. G. Pielstick. 1,679,492; Aug. 7.
 Starting gate. P. McGinnis. 1,686,832; Oct. 9.
 Static current and for tuning radio receiving sets, Device for eliminating. J. S. Palmer. 1,669,171; May 8.
 Static-discharge device for rotary stencil duplicating machines. E. J. Brasseur. 1,696,750; Dec. 25.
 Static dissipator. M. Morrison. 1,678,869; July 31.
 Static disturbances, System for reducing. F. Schröter. 1,678,653; July 31.
 Static eliminator. A. L. Betts. 1,683,592; Sept. 11.
 Static eliminator. H. H. Ruckel. 1,681,788; Aug. 21.
 Static frequency changer. M. Osnos. 1,669,142; May 8.
 Static frequency multiplier and modulator. M. Latour. 1,663,135; Mar. 20.
 Static-reducing system. J. Slepian. 1,664,227; Mar. 27.
 Station, Automatic. C. A. Butcher. 1,691,377; Nov. 13.
 Station indicator. F. Stump and A. A. Johnston. 1,679,066; July 31.
 Station indicator for radio sets. N. P. Fuchs, jr. 1,693,892; Dec. 4.
 Stationery holder. B. Suvan. 1,656,683; Jan. 17.
 Stationery, Package for. J. F. Lee, jr. 1,656,879; Jan. 17.
 Statistical, calculating, and like machine controlled by mechanical records. A. Thomas. 1,661,684; Mar. 6.
 Statistical machine, Record-card-controlled. C. Campbell. 1,658,022; Jan. 31.
 Stator construction. M. A. Savage. 1,689,503; Oct. 30.
 Stator for electric motors, Removable. C. L. Daun and P. E. Keller. Re17,128; Nov. 6.
 Statescope and rate-of-climb indicator, Combined. F. L. Hunt and A. H. Mears. 1,664,417; Apr. 3.
 Statue. A. B. N. Moss. Des. 77,114; Dec. 4.
 Statuette. S. I. Berger. Des. 76,769; Nov. 6.
 Statuette. S. I. Berger. Des. 77,050; Dec. 4.
 Statuette. H. C. Green. Des. 76,928; Nov. 20.
 Statuette. A. Jenness-Miller. Des. 75,369; May 29.
 Statuette. C. M. Van Hoozer. Des. 76,332; Sept. 11.
 Statuette or similar article. A. Saint Ogan. Des. 76,159; Aug. 21.
 Stave for barrels and casks, Dove-tailed. E. A. Bolinder. 1,676,319; July 10.
 Stay bolt and means for mounting, Flexible. J. Kindervater. 1,657,756; Jan. 31.
 Stay bolt and method of making, Flexible. G. R. Greenslade. 1,660,960; Feb. 28.
 Stay bolt, Articulated. J. Kindervater. 1,669,253; May 8.
 Stay-bolt construction. F. W. Shupert. 1,691,828; Nov. 13.
 Stay bolt, Flexible. J. Kindervater. 1,679,161; July 31.
 Stay bolt, Flexible. W. Pollock. 1,680,229; Aug. 7.
 Stay bolt, Hollow flexible. J. Kindervater. 1,669,252; May 8.
 Stay-bolt manufacturing, Hollow-. G. H. Mansfield. 1,693,487; Nov. 27.
 Stay-bolt-threading machine, Automatic. J. P. Brophy. 1,666,732; Apr. 17.
 Stay bolts, Heading hollow. C. G. Hawley. 1,672,567; June 5.
 Steadying device for rotatable flag standards or poles. R. B. Peters. 1,678,529; July 24.
 Steam accumulator. C. H. Smoot. 1,669,215; May 8.
 Steam-accumulator control. H. Smoot. 1,689,061; Oct. 23.
 Steam-accumulator plant. F. Wettstein. 1,654,955; Jan. 3.
 Steam and hot-air generator. B. A. Phillips. 1,676,046; July 3.
 Steam applicator for wall-paper-removing apparatus. R. G. Pieters. 1,679,172; July 31.
 Steam board. H. Betke. 1,659,454; Feb. 14.
 Steamboat and like toy construction and printed blank therefor. F. E. Prince. 1,681,878; Aug. 21.
 Steam boiler. E. S. and C. Z. Alexander. 1,679,344; Aug. 7.
 Steam boiler. C. De Novo. 1,668,193; May 1.
 Steam boiler. L. Glasgow. Re16,968; May 15.
 Steam boiler. K. Hamm. 1,666,202; Apr. 17.
 Steam boiler. I. Harter. 1,693,602; Dec. 4.
 Steam boiler. O. H. Hartmann. 1,656,559; Jan. 17.
 Steam boiler. O. H. Hartmann and E. Bleitner. 1,675,892; July 3.
 Steam boiler. C. H. Hass and L. J. Mitchell. 1,677,630; July 17.
 Steam boiler. C. G. Hawley. 1,655,058; Jan. 3.
 Steam boiler. D. S. Jacobus. 1,677,960; July 24.
 Steam boiler. D. S. Jacobus. 1,692,171; Nov. 20.
 Steam boiler. U. Pisi. 1,689,966; Oct. 30.
 Steam boiler. W. Stender. 1,678,235; July 24.
 Steam boiler and setting, Radiant-heat. C. G. Hawley. 1,666,567; Apr. 17.
 Steam boiler, Automatic electric. O. A. Sandborgh. 1,665,793; Apr. 10.
 Steam boiler, Electric. S. Schneider. 1,677,299; July 17.
 Steam boiler, Electric. H. V. Stransky. 1,680,397; Aug. 14.
 Steam boiler, Electrically-heated. C. W. Campbell. 1,670,437; May 22.
 Steam-boiler furnace. W. A. Gilchrist. 1,665,923; Apr. 10.
 Steam-boiler furnace. R. Kimmick. 1,694,014; Dec. 4.
 Steam-boiler header. C. G. Hawley. 1,666,566; Apr. 17.
 Steam boiler, High-pressure. C. G. Hawley. 1,692,442; Nov. 20.
 Steam boiler, Horizontal waste-gas. G. Jahn and A. Runkwitz. 1,680,380; Aug. 14.
 Steam boiler, Marine-type. C. G. Hawley. 1,654,809; Jan. 3.
 Steam-boiler safety device. J. H. Stockholder and W. A. Giles. 1,657,594; Jan. 31.
 Steam boiler, Steeped radiant-heat. C. G. Hawley. 1,666,532; Apr. 17.
 Steam boiler, Steeped radiant-heat. C. G. Hawley. 1,683,972; Sept. 11.
 Steam-cleaning method and apparatus. S. A. Wier. Re17,021; July 3.
 Steam control and differential for paper machines, Automatic. C. Stickle. 1,674,845; June 26.
 Steam ejector with cooled diffuser. A. Delas. 1,662,260; Mar. 13.
 Steam engine. F. J. Powell. 1,661,957; Mar. 6.
 Steam engine. E. W. Swartwout. 1,678,309; July 24.

- Steam engine, Noncondensing. J. Stumpf. 1,668,927; May 8.
- Steam engine, Reciprocating. H. G. Mueller. 1,686,245; Oct. 2.
- Steam engine, Rotary. L. George. 1,689,777; Oct. 30.
- Steam engine, Rotary. E. Groesbeck. 1,673,504; June 12.
- Steam engine, Rotary. W. H. Newell. 1,660,519; Feb. 28.
- Steam envelope for hair waving. E. O. Schnell. 1,674,068; June 19.
- Steam fitting. A. Aldrich and E. E. Berry. 1,666,637; Apr. 17.
- Steam fitting, Double-wall. Venturi. J. O. Woodsome. 1,662,095; Mar. 13.
- Steam gauge. W. H. Kuhn. 1,679,476; Aug. 7.
- Steam-generating apparatus. J. S. Seabolt. 1,681,061; Aug. 14.
- Steam-generating organization for heating plants. W. H. Heagerty and J. J. Mays. 1,673,508; June 12.
- Steam-generating plant. J. H. Hume. 1,692,660; Nov. 20.
- Steam-generating system. C. Klesselbach. 1,690,120; Nov. 6.
- Steam-generating unit, Marine. J. J. Nelis. 1,677,901; July 24.
- Steam generation, Apparatus for controlling. T. A. Peebles. 1,675,818; July 3.
- Steam generation, Electrical. T. H. Noll. Re16,935; Apr. 17.
- Steam generator. G. A. Bryan. 1,672,480; June 5.
- Steam generator. B. P. Cooper. 1,687,332; Oct. 16.
- Steam generator. F. I. du Pont. 1,660,437; Feb. 28.
- Steam generator. A. Franco. 1,666,128; Apr. 17.
- Steam generator. M. C. Gillett. 1,677,763; July 17.
- Steam generator. A. M. Hubbard. 1,687,615; Oct. 16.
- Steam generator. R. M. Jones. 1,687,568; Oct. 16.
- Steam generator. W. D. La Mont. Re16,895; Mar. 6.
- Steam generator. L. N. Moss and J. S. Weston. 1,680,166; Aug. 7.
- Steam generator. H. Nelson. 1,659,609; Feb. 21.
- Steam generator. M. L. Nichols. 1,689,745; Oct. 30.
- Steam generator. H. A. Nicholson. 1,661,542-6; Mar. 6.
- Steam generator. E. P. Oswald. 1,674,412; June 19.
- Steam generator. C. Uebelmesser. 1,658,819; Feb. 14.
- Steam generator, Downflow. F. W. Kronenberg. 1,690,642; Nov. 6.
- Steam generator, Electric. A. N. Armstrong. 1,657,144; Jan. 24.
- Steam generator, Electric. C. A. Brewer. 1,682,320; Aug. 28.
- Steam generator, Electrical. C. B. Baughn. 1,659,513; Feb. 14.
- Steam heating system. E. Shultz. Re16,985; June 5.
- Steam hot plate. W. H. Appleby. Re17,123; Nov. 6.
- Steam in heat power plants, Device for regulating the generation of. M. Eule. 1,658,375; Feb. 7.
- Steam injector, Exhaust. R. D. and J. C. Metcalfe. 1,674,443; June 19.
- Steam injector, Exhaust. E. Rawson. 1,654,896; Jan. 3.
- Steam plant. W. T. Hedlund. 1,682,674; Aug. 28.
- Steam plant. J. Ruths. 1,666,426; Apr. 17.
- Steam plant. J. Ruths. 1,677,798; July 17.
- Steam plant. F. Weissstein. 1,668,098; May 1.
- Steam plant. F. H. Wilcox. 1,690,389; Nov. 6.
- Steam plant in connection with turbines. F. Lösel. 1,674,049; June 19.
- Steam press, Ironing. P. Diebold. 1,678,464-5; July 24.
- Steam-pressure signal, Excess-. J. Backstatter. 1,683,148; Sept. 4.
- Steam purifier, Locomotive. C. G. Hawley. 1,668,905; May 8.
- Steam spotter, Flexible. E. E. La Turner. 1,682,619; Aug. 28.
- Steam superheater. H. Cruse and T. F. Gray. 1,673,231; June 12.
- Steam superheater. J. Kemnal and J. Henry. 1,660,926; Feb. 28.
- Steam table, Electric. R. E. Medearis. 1,693,522; Nov. 27.
- Steam trap. B. B. Beach. 1,668,667; May 8.
- Steam trap. J. A. Clark. 1,660,705; Feb. 28.
- Steam trap. F. L. Hutchinson. 1,667,935; May 1.
- Steam trap. H. W. Justus. 1,679,309; July 31.
- Steam trap. M. Knudstrup. 1,657,679; Jan. 31.
- Steam trap. W. H. Kuhn. 1,684,961; Sept. 18.
- Steam trap. E. A. Russell and P. B. Parks. 1,656,392; Jan. 17.
- Steam trap. H. G. Shortt. 1,660,428; Feb. 28.
- Steamer. E. Silen. 1,673,164; June 12.
- Steaming and drying apparatus. C. Gygi. 1,659,097; Feb. 14.
- Steaming iron. R. Leprestre. 1,676,098; July 3.
- Steel, Alloy. W. R. Shimer and R. H. Christ. 1,659,055; Feb. 14.
- Steel alloy and making the same. T. A. Moormann. 1,659,661; Feb. 21.
- Steel and alloys from iron sand, Manufacture of. D. Croese. 1,662,302; Mar. 13.
- Steel and its manufacture. J. R. C. Marsh. 1,684,841; Sept. 18.
- Steel and making the same. F. C. Langenberg and M. A. Grossman. 1,695,594; Dec. 18.
- Steel, bearing. H. T. Chandler. 1,676,384; July 10.
- Steel end for railway cars, Corrugated. V. E. Sisson. 1,696,650; Dec. 25.
- Steel fabrication, Structural. R. L. McIntyre. 1,678,013; July 24.
- Steel fence post. A. Weland. 1,674,459; June 19.
- Steel for guitars and similar stringed instruments, Fingering. J. Timm. 1,691,945; Nov. 20.
- Steel grid for floors and pavements. E. W. Burgess. Des. 76,179; Aug. 28.
- Steel, Increasing the permeability of silicon. J. C. Karcher. 1,677,139; July 17.
- Steel ingots, Apparatus for treatment of. J. V. Ellis. 1,657,350; Jan. 24.
- Steel ingots. Production of rimmed. A. T. Cape. 1,672,446; June 5.
- Steel, Manufacture of. R. A. Hadfield. 1,683,886; Sept. 11.
- Steel or iron pillar particularly adapted for mounting electric wires. I. Nozawa. 1,674,120; June 19.
- Steel pitman. B. Boykin, jr. 1,657,146; Jan. 24.
- Steel plates, sections, and the like, Manufacture of mild-. F. G. Martin. 1,675,190; June 26.
- Steel printing body and producing the same. H. S. Sadtler. 1,678,231; July 24.
- Steel, Pouring. F. H. Moyer. 1,690,750; Nov. 6.
- Steel-pouring device. F. H. Moyer. 1,690,749; Nov. 6.
- Steel rail. H. Gink. 1,661,176; Mar. 6.
- Steel rails, Rolling. L. Smith. 1,667,875; May 1.
- Steel retainer. J. F. Mock. 1,666,425; Apr. 17.
- Steel retainer. W. Prellwitz. 1,665,071; Apr. 3.
- Steel retainer. W. Prellwitz. 1,677,530; July 17.
- Steel retainer. F. M. Slater. 1,671,133; May 29.
- Steel sheave and the like, Bushed manganese. J. C. Taylor, jr. 1,681,906; Aug. 21.
- Steel, Slag and gas eliminator for molten. F. H. Moyer. 1,690,748; Nov. 6.
- Steel, Treating manganese. V. Mekeel. 1,671,870; May 29.
- Steel, Welding high-carbon. J. H. Deppeler. 1,686,603; Oct. 9.
- Steel, Zirconium-manganese. F. M. Becket. 1,660,409; Feb. 28.
- Steels, Making alloy. C. McKnight, jr. 1,689,043; Oct. 23.
- Steering and controlling mechanism, Vehicle. H. M. Denyes. 1,658,554; Feb. 7.
- Steering and propelling ships. J. Tutin. 1,670,997; May 22.
- Steering apparatus for motor-driven vehicles. E. J. Armstrong. 1,685,306; Sept. 25.
- Steering-column support. S. DeOrlo. 1,655,138; Jan. 3.
- Steering control for boats. G. C. Bailey. 1,679,395; Aug. 7.
- Steering control for revolving excavators or cranes, Tractor. L. A. Krupp. 1,696,168; Dec. 18.
- Steering device. J. O. Bolt. 1,662,560; Mar. 13.
- Steering device. C. A. Ernst. 1,680,603; Aug. 14.
- Steering device. R. J. Winsor. 1,695,219; Dec. 11.
- Steering device, Aeroplane. A. Kolody. 1,675,935; July 3.
- Steering device for motor vehicles. E. Herds. 1,668,368; May 1.
- Steering for dirigible craft, Automatic. C. B. Mills. 1,695,601; Dec. 18.
- Steering for dirigible craft, Automatic. E. A. Sperry, jr. 1,695,615; Dec. 18.
- Steering gear. H. M. Denyes. 1,675,645; July 3.
- Steering gear. A. G. Henricks and H. L. Mitchell. 1,691,062; Nov. 13.
- Steering gear. A. E. Weingartner and G. E. Smith. 1,656,028; Jan. 10.
- Steering-gear-actuating members having spiral grooves, Making. D. E. Ross. 1,687,258; Oct. 9.
- Steering gear, Automobile. I. J. Watkins. 1,675,520; July 3.
- Steering-gear control. W. C. Gee. 1,690,289; Nov. 6.
- Steering gear, Foot-operated. W. J. McCarty. 1,685,332; Sept. 25.
- Steering gear for automobiles. G. W. Bird. 1,690,049; Oct. 30.
- Steering gear for motor vehicles. J. F. McMurtrie. 1,666,104; Apr. 17.
- Steering gear, Ship's. A. M. Butterfield. 1,684,307; Sept. 11.
- Steering gear, Vehicle. A. Monsen. 1,672,334; June 5.
- Steering gears, Cutting. R. Bishop. 1,673,488; June 12.
- Steering gears, Machine for making helically-grooved actuating members for. D. E. Ross. 1,687,260; Oct. 9.
- Steering gears, Worm-gear adjustment for motor-vehicle. H. Marles. 1,686,704; Oct. 9.
- Steering-mast bushing. C. Claus. 1,674,623; June 19.
- Steering means for cycles, motor cycles, and other vehicles. A. Niederberger. 1,668,571; May 8.
- Steering mechanism. S. R. W. M. Bager. 1,687,653; Oct. 16.
- Steering mechanism. S. R. W. M. Bager. 1,688,572; Oct. 23.
- Steering mechanism. H. M. Denyes. 1,670,848; May 22.
- Steering mechanism. M. L. Fykse. 1,686,372; Oct. 2.
- Steering mechanism. H. H. Green. 1,696,300; Dec. 25.
- Steering mechanism. R. Lair. 1,680,556; Aug. 14.
- Steering mechanism. E. J. Maloney. 1,689,924; Oct. 30.
- Steering mechanism. C. R. Short. 1,665,282; Apr. 10.
- Steering mechanism for automobiles, Safety. G. E. Beal. 1,684,657; Sept. 18.
- Steering mechanism for cranes. G. A. Murfey and A. S. Meyer. 1,688,643; Oct. 23.
- Steering mechanism for mechanically-driven road vehicles. F. H. Royce. 1,695,664; Dec. 18.

- Steering mechanism for motor vehicles. G. M. Bacon. 1,692,535; Nov. 20.
- Steering mechanism for tractors. J. L. Opitz. 1,690,548; Nov. 6.
- Steering mechanism for tractors, Detachable. J. L. Opitz. 1,686,170; Oct. 2.
- Steering mechanism for vessels. G. E. Barrett. 1,665,011; Apr. 3.
- Steering mechanism, Hydraulic. F. Garner. 1,687,720; Oct. 16.
- Steering mechanism, Tractor. G. C. Jett. 1,666,210; Apr. 17.
- Steering-post mounting. R. B. Bukolt. 1,659,852; Feb. 21.
- Steering, propelling, and braking mechanism for vehicles. R. E. Mitton. 1,688,591; Oct. 23.
- Steering rods, Attachment for. W. E. Coleman. 1,670,954; May 22.
- Steering wheel. A. E. Bronson. 1,677,616; July 17.
- Steering wheel. R. H. Chilton. 1,683,329; Sept. 4.
- Steering wheel. H. D. Geyer. 1,676,488; July 10.
- Steering wheel. H. D. Geyer. 1,683,344; Sept. 4.
- Steering wheel. E. L. Heckman. 1,677,082; July 10.
- Steering wheel. C. H. Kenrick. 1,661,481; Mar. 6.
- Steering wheel. W. L. Morrison. 1,667,942; May 1.
- Steering wheel. E. W. Seaholm and H. M. Denyes. Des. 74,392; Feb. 7.
- Steering wheel. W. P. Seng. 1,672,137; June 5.
- Steering wheel. A. L. Warrington. 1,665,337; Apr. 10.
- Steering wheel and ignition lock. W. P. Seng. 1,661,447; Mar. 6.
- Steering wheel and ignition lock, Combined. F. W. Stewart. 1,676,416; July 10.
- Steering-wheel brake. I. Koechlin. 1,681,348; Aug. 21.
- Steering-wheel-control assembly. E. W. Seaholm and H. M. Denyes. 1,691,139; Nov. 13.
- Steering wheel for automobiles. F. Oughton. 1,687,783; Oct. 16.
- Steering wheel, Vehicle. A. C. McBride. 1,679,164; July 31.
- Steering wheel with spark and throttle control. H. D. Geyer. 1,673,870; June 19.
- Steering wheels, Horn button mounting for. H. D. Geyer. 1,676,487; July 10.
- Stem-making machine. J. T. Fagan. 1,655,140; Jan. 3.
- Stem-making machine. J. T. Fagan and L. Staudenmeir. 1,655,141; Jan. 3.
- Stems, Method and apparatus for making. R. G. Phelps and A. Raus. 1,659,613; Feb. 21.
- Stencil. J. C. Buttner. 1,674,680; June 26.
- Stencil blank and manufacturing the same. P. R. Smith. 1,655,249; Jan. 3.
- Stencil-cutting machines, Feed mechanism for. N. C. Heaton. 1,676,551; July 10.
- Stencil-duplicating machine. E. J. Brasseur. 1,666,193; Apr. 17.
- Stencil-feeding mechanism. R. Oliver. 1,669,015; May 8.
- Stencil sheet. S. Horii. 1,664,033; Mar. 27.
- Stencil sheet. S. Horii. 1,664,777; Apr. 3.
- Stencil sheet. S. Horii. 1,679,034; July 31.
- Stencil sheet. H. L. Shallcross. 1,674,611; June 19.
- Stencil sheets, Manufacture of. A. B. Davis. 1,665,580; Apr. 10.
- Stenciled indicating means. A. R. P. Johnson. 1,685,952; Oct. 2.
- Stenciling and dyeing fabrics and the like. F. Adler. 1,656,932; Jan. 24.
- Stenciling machine. L. A. Thatcher. 1,683,635; Sept. 11.
- Stenciling machine. L. A. Thatcher. 1,683,741; Sept. 11.
- Stenciling method. V. Rosato. 1,681,133; Aug. 14.
- Stenciling, Method and apparatus for. D. M. Goetschius. 1,679,770; Aug. 7.
- Stenciling, Method of and apparatus for. R. C. Beck. 1,687,080; Oct. 9.
- Stencils, Cutting. G. E. Minor. 1,671,906; May 29.
- Stenogauge. R. G. Datson. 1,687,429; Oct. 9.
- Stenographic machine. M. Grandjean. 1,689,283; Oct. 30.
- Step and extension ladder, Combination. F. Brugner. 1,672,020; June 5.
- Step and repeat machine. O. Chouinard. 1,688,786; Oct. 23.
- Step attachment for stools. C. E. Beard. 1,682,732; Sept. 4.
- Step, Extension. J. B. Stroud. 1,663,321; Mar. 20.
- Step for cars. Extension. W. W. and L. R. Fullerton. 1,655,996; Jan. 10.
- Step jack. C. R. Krans. 1,659,632; Feb. 21.
- Stepladder. C. F. Cummins. 1,670,653; May 22.
- Stepladder. A. T. Haywood. 1,664,073; Mar. 27.
- Stepladder. W. E. Putnam. 1,681,879; Aug. 21.
- Stepladder. N. Varker, J. T. Kempes, and C. H. Bartlett. 1,661,587; Mar. 6.
- Step plate. O. C. Ritz Woller. 1,675,665; July 3.
- Step plate. O. C. Ritz Woller. 1,675,682; July 3.
- Step plate, Automobile. O. C. Ritz Woller. 1,684,613; Sept. 18.
- Step protector. D. F. Larkin. 1,667,040; Apr. 24.
- Stereoscopes, Reflecting and refracting device for. W. P. Reeves. 1,666,145-6; Apr. 17.
- Stereoscopic cinematography. L. F. Savage. 1,695,744; Dec. 18.
- Stereoscopic device. E. E. Duval. 1,655,939; Jan. 10.
- Stereotype plate. J. J. Halliwell. 1,691,548; Nov. 13.
- Stereotype-plate-molding apparatus. H. F. Bechman. 1,666,616; Apr. 17.
- Stereotype plates without risers, Apparatus for casting. H. A. W. Wood. 1,673,858; June 19.
- Stereotyping plant. H. A. W. Wood. 1,682,161; Aug. 28.
- Sterilization of clear and turbid liquids by means of ultra-violet rays produced in vacuum tubes by high-voltage electric current. E. O. Scheidt. 1,670,217; May 15.
- Sterilizer. M. W. Heilman. 1,688,144; Oct. 16.
- Sterilizer. G. H. Hollenback. 1,663,841; Mar. 27.
- Sterilizer. E. D. King, jr. 1,666,825; Apr. 17.
- Sterilizer, Bulb. J. H. Rogers. 1,686,928; Oct. 9.
- Sterilizer for nursing nipples, Pocket. K. Walter. 1,657,050; Jan. 24.
- Sterilizers, Electric control for. F. Cedergren. 1,657,660; Jan. 31.
- Sterilizing and cleansing apparatus, Bottle. T. F. Seitz. 1,695,212; Dec. 11.
- Sterilizing and drying milk cans and covers, Apparatus for. L. G. Ford and W. H. Van Dine. 1,655,538; Jan. 10.
- Sterilizing and incubating apparatus. V. Christensen. 1,695,008; Dec. 11.
- Sterilizing apparatus. H. A. Foster. 1,692,983; Nov. 27.
- Sterilizing apparatus. J. Greenberg. 1,660,789; Feb. 28.
- Sterilizing apparatus. D. G. Will. 1,672,592; June 5.
- Sterilizing bearings for shafting. W. H. Jackson. 1,666,013; Apr. 10.
- Sterilizing ligature tubes. R. W. Johnson. 1,676,090; July 3.
- Sterilizing outfit, Nurse's portable. J. L. Adams. 1,668,443; May 1.
- Sterilizing vegetable products. P. J. G. Nell and D. J. Schouten. 1,661,140; Feb. 28.
- Sterilizing water or other liquids or gases, Apparatus for purifying and simultaneously. J. N. A. Saurer. 1,667,439; Apr. 24.
- Stethoscope. O. P. Rieger. 1,671,936; May 29.
- Stethoscopic apparatus. H. F. Dodge and H. A. Frederick. 1,686,504; Oct. 2.
- Stethoscopic apparatus. H. P. Dodge. 1,658,327; Feb. 7.
- Stethoscopes, Acoustic. H. A. Frederick and D. G. Blattner. 1,657,078; Jan. 24.
- Stick and tripod, Combined walking. C. Rieger. 1,679,267; July 31.
- Stick-turning mechanism. L. B. Case. 1,656,041; Jan. 10.
- Still. F. Puening. 1,664,863; Apr. 3.
- Still. P. B. Taylor. 1,658,541; Feb. 7.
- Still and pump therefor, Circulatory cracking. E. W. Isom and J. E. Bell. 1,676,202; July 3.
- Still, Counter-flow. F. E. Gilmore. 1,655,998; Jan. 10.
- Still, Mineral-oil. A. E. Pew, jr. 1,674,918; June 26.
- Still, Oil. E. W. Isom and A. C. Vobach. 1,676,204; July 3.
- Still, Oil-cracking. W. T. Hancock and J. W. Hancock. 1,680,541; Aug. 14.
- Still, Oil-refining. O. E. Andrus and S. Hermanson. 1,680,276; Aug. 14.
- Still, Pressure. A. J. Sloan. 1,667,055; Apr. 24.
- Still, Steam turpentine. J. O. Reed. 1,667,168; Apr. 24.
- Still, Water. E. V. Oliver. 1,686,418; Oct. 2.
- Stills and making the same, Cast return bend for oil. F. E. Key. 1,668,680; May 8.
- Stills and the like, Electric cut-out for. L. F. Boss. 1,672,800; June 5.
- Stills, Operation of pressure. J. E. Bell. 1,693,946; Dec. 4.
- Stills, Operation of pressure. E. W. Isom and J. E. Bell. 1,676,203; July 3.
- Still, Adjustable. J. F. O'Brien. 1,679,168; July 31.
- Stirrups for reinforced concrete structures. F. M. Barton. 1,674,086; June 19.
- Stitching mechanism. J. T. Lawrence. 1,689,733; Oct. 30.
- Stitch and forming the same. A. F. Goetze. 1,693,439; Nov. 27.
- Stitching device. W. F. Irrgang. 1,696,847; Dec. 25.
- Stitching machine. E. Leschhorn. 1,692,015; Nov. 20.
- Stitching machine. J. Wolf and E. Leschhorn. 1,692,016; Nov. 20.
- Stitching machine. J. Wolf. 1,692,017; Nov. 20.
- Stock and dies with oiling device. R. Ferro. 1,679,820; Aug. 7.
- Stock-control system. G. R. Guild. 1,671,929; May 29.
- Stock-feed stop, Positive. J. Karmazin. 1,665,813; Apr. 10.
- Stock feeds, Apparatus for producing live. C. R. Mabee. 1,671,118; May 29.
- Stock-fitting machine. W. C. Baxter. 1,672,147; June 5.
- Stock-fitting machine. F. E. Bertrand. 1,681,971; Aug. 28.
- Stock pusher. F. L. Cone. 1,657,615; Jan. 31.
- Stock pusher. F. L. Cone. 1,664,062; Mar. 27.
- Stock rack. L. M. Wallace and C. Baxter. 1,671,848; May 29.
- Stock-storage apparatus. A. A. Steinhilber. 1,666,074; Apr. 17.
- Stock waterer. O. O. Anderson. 1,663,789; Mar. 27.
- Stocking. J. M. Allen. 1,674,627; June 26.
- Stocking. L. D. Barish. Des. 76,448; Oct. 2.
- Stocking. O. F. Boehme. 1,665,946; Apr. 10.
- Stocking. G. L. Briggs. Des. 77,055; Dec. 4.
- Stocking. P. Caparelli. 1,680,859; Aug. 14.
- Stocking. H. L. Cooper. Des. 75,150; May 15.
- Stocking. J. E. Flimbres. Des. 74,495; Feb. 21.
- Stocking. G. W. Goetsch. Des. 77,086; Dec. 4.
- Stocking. G. W. Goetsch. Des. 77,143; Dec. 4.
- Stocking. B. D. Gordon. Des. 76,343; Sept. 18.

- Stocking. J. Haines, jr., and H. F. Paget. Des. 76,748; Oct. 30.
- Stocking. A. Hiller. Des. 76,751; Oct. 30.
- Stocking. A. M. A. Hoffman. Des. 75,846; July 24.
- Stocking. N. Judson. Des. 76,690; Oct. 23.
- Stocking. W. Lauber. Des. 75,737; July 10.
- Stocking. R. Leß. Des. 74,680; Mar. 13.
- Stocking. R. Leß. Des. 76,025; Aug. 14.
- Stocking. E. Leß. Des. 76,756-7; Oct. 30.
- Stocking. E. O. Nebel. Des. 75,805; July 17.
- Stocking. E. O. Nebel. Des. 76,701; Oct. 23.
- Stocking. E. O. Nebel. Des. 76,885; Nov. 13.
- Stocking. E. O. Nebel. Des. 77,117; Dec. 4.
- Stocking. J. P. Nissen. Des. 74,387; Feb. 7.
- Stocking. J. A. Phillips. Des. 76,495-6; Oct. 2.
- Stocking. A. Staudte. Des. 77,133; Dec. 4.
- Stocking. J. A. Struthers. Des. 76,828; Nov. 6.
- Stocking. J. A. Struthers. Des. 76,905; Nov. 13.
- Stocking. C. H. Taubel. Des. 74,991; Apr. 24.
- Stocking. C. H. Taubel. Des. 75,299; May 22.
- Stocking. C. H. Taubel. Des. 75,394; May 29.
- Stocking. C. W. Tobin. Des. 74,847; Apr. 3.
- Stocking. H. S. Wolff. Des. 76,171; Aug. 21.
- Stocking. N. Wolff. Des. 75,397; May 29.
- Stocking. W. E. Zander. Des. 75,143; May 8.
- Stocking. W. E. Zander. Des. 76,730; Oct. 23.
- Stocking frame. H. Sussmann. 1,677,219; July 17.
- Stocking marker. C. T. La Mont. 1,660,077; Feb. 21.
- Stocking protector. B. B. Lininger. 1,666,017; Apr. 10.
- Stocking protector. F. B. Sheridan and W. A. Jacobson. 1,669,790; May 15.
- Stocking sole, inner. J. A. Spafford. 1,659,171; Feb. 14.
- Stocking top. H. Lichten. 1,667,352; Apr. 24.
- Stockings, Woman's. J. C. J. Strahan. 1,686,478; Oct. 2.
- Stockings, Making. H. C. Langer. 1,690,734; Nov. 6.
- Stockings on forms, Device for holding. E. J. Ziocik. 1,666,840; Apr. 17.
- Stoker. R. L. Beers. 1,656,937; Jan. 24.
- Stoker. R. L. Beers. 1,688,608; Oct. 23.
- Stoker. L. L. Close. 1,658,969; Feb. 14.
- Stoker. L. L. Close. 1,673,618; June 12.
- Stoker. R. A. Foresman and J. E. Larrabee. 1,683,341; Sept. 4.
- Stoker. A. M. Hunt. 1,690,582; Nov. 6.
- Stoker. N. M. Lower. 1,663,637; Mar. 27.
- Stoker. N. M. Lower and P. A. Ketchpel. 1,658,246; Feb. 7.
- Stoker. N. M. Lower and P. A. Ketchpel. 1,663,636; Mar. 27.
- Stoker. O. P. Luetscher. 1,688,338; Oct. 23.
- Stoker. F. P. Roesch. 1,674,994; June 26.
- Stoker. M. J. Wightman. 1,691,619; Nov. 13.
- Stoker. W. A. Woodward. 1,696,587; Dec. 25.
- Stoker-adjusting mechanism. C. E. Harrison. 1,675,268; June 26.
- Stoker air control. O. O. Nygaard. 1,696,144; Dec. 18.
- Stoker and burner, Combined coal. J. C. St. Clair. 1,694,290; Dec. 4.
- Stoker and the like. W. Ward. 1,667,230; Apr. 24.
- Stoker, Automatic. J. S. Skelly. 1,664,903; Apr. 3.
- Stoker, Automatic. W. A. Woodward. 1,682,002; Aug. 28.
- Stoker-blower control mechanism. H. F. Schmidt. 1,666,510; Apr. 17.
- Stoker, Chain-grate. A. G. Fox. 1,672,563; June 5.
- Stoker, Cone-grate. O. L. Erion and L. A. Pick. 1,673,668; June 12.
- Stoker construction. M. Alpern. 1,656,767; Jan. 17.
- Stoker control, Automatic. L. Garrison. 1,679,418; Aug. 7.
- Stoker, Furnace. W. A. Hare. 1,689,202; Oct. 30.
- Stoker, Locomotive. D. F. Crawford. 1,683,960; Sept. 11.
- Stoker, Locomotive. N. M. Lower. 1,684,874; Sept. 18.
- Stoker, Mechanical. P. W. Brown. 1,660,542; Feb. 28.
- Stoker, Mechanical. W. M. Duncan. 1,659,563; Feb. 21.
- Stoker, Mechanical. S. Imamura. 1,670,358; May 22.
- Stoker mechanism. A. E. Weingartner. 1,665,943; Apr. 10.
- Stoker-operating system. C. L. Howse. 1,658,049; Feb. 7.
- Stoker, plunger. C. E. Harrison. 1,696,088; Dec. 18.
- Stoker-ram drive. D. F. Grahame. 1,669,705; May 15.
- Stoker, Traveling-grate. L. W. Klein. 1,690,863; Nov. 6.
- Stoker, Underfeed. O. Aram. 1,680,779; Feb. 28.
- Stoker, Underfeed. R. L. Beers. 1,691,373; Nov. 13.
- Stoker, Underfeed. A. F. Schwendner. 1,666,512; Apr. 17.
- Stoker, Underfeed. S. J. A. Wiebe. 1,691,949; Nov. 20.
- Stoker construction. A. M. Hunt. 1,690,116; Nov. 6.
- Stokers. Ash-discharge mechanism for mechanical. F. H. Daniels. 1,662,237; Mar. 13.
- Stokers, Ram drive for underfeed. C. L. Howse. 1,663,513; Mar. 20.
- Stokers, Safety device for. M. Alpern. 1,662,657; Mar. 13.
- Stokers, Side ram motion for. C. F. Miller. 1,657,224; Jan. 24.
- Stokers. Sifting dump for. A. E. Weingartner. 1,662,690; Mar. 13.
- Stokers, Siftings preventer for. A. E. Weingartner. 1,689,092; Oct. 23.
- Stokers, Variable feed for. C. J. Parker. 1,670,518; May 22.
- Stoking. H. C. Seaman. Des. 74,578; Feb. 28.
- Stone and artificial wood, Production of artificial. F. Trachsel, J. Wiedmer, and P. Zigerli. 1,665,148; Apr. 3.
- Stone and producing the same, Artificial cast. F. M. Emerson. 1,681,727; Aug. 21.
- Stone, Apparatus for molding artificial. A. Galante. 1,656,886; Jan. 17.
- Stone castings, Method and apparatus for accelerating setting of. L. G. Copeman. 1,656,423; Jan. 17.
- Stone-channeling machine. C. W. Jones. 1,696,576; Dec. 25.
- Stonecutting device. R. Frenette. 1,656,855; Jan. 17.
- Stonecutting machine. E. R. Plaisted. 1,671,872; May 29.
- Stone gatherer. F. J. Boushon. 1,672,746; June 5.
- Stone gatherer. E. V. Santee. 1,666,836; Apr. 17.
- Stone, Magnesitic artificial. R. H. Allison. 1,672,293; June 5.
- Stone mold. L. G. Copeman. 1,667,721; May 1.
- Stone mounting, Universal. N. M. Baker and G. L. Lunglof. 1,679,201; July 31.
- Stone, Ornamenting. E. A. Chase. 1,667,309; Apr. 24.
- Stone roll. J. W. Vedder. 1,693,358; Nov. 27.
- Stone-sawing machine. S. S. Patterson. 1,674,519; June 19.
- Stoneworking machine. G. D. Pitkin. 1,683,298; Sept. 4.
- Stoneworking machine. J. Wegner. 1,693,212; Nov. 27.
- Stoning machine, Reed. G. Bastian. 1,668,303; May 1.
- Stool. J. J. Connors. 1,671,013; May 22.
- Stool. W. Maude. 1,663,603; Mar. 27.
- Stool. G. Van Daam. 1,679,696; Aug. 7.
- Stool, Adjustable. M. Fox. 1,688,415; Oct. 23.
- Stool and bucket, Combined milking. J. M. Johansen. 1,694,545; Dec. 11.
- Stool and pail holder, Milking. R. A. Poehls. 1,696,689; Dec. 25.
- Stool and stepladder, Combination. J. H. Asselin. 1,677,610; July 17.
- Stool, chair, and table, Combination. F. C. Hall. 1,687,128; Oct. 9.
- Stool, Craftsman's. J. L. Perry. 1,686,464; Oct. 2.
- Stool, Cushion. H. H. Metzgar. Des. 75,979; Aug. 7.
- Stool for service counters. J. S. Walton. 1,680,828; Aug. 14.
- Stool, Pocket folding. T. N. Hansen. 1,677,339; July 17.
- Stop and slow light signal, Automatic. G. E. Hoglund. 1,680,944; Aug. 14.
- Stop mechanism. G. F. Bahr. 1,658,182; Feb. 7.
- Stop mechanism. L. J. Bazzoni. 1,675,590; July 3.
- Stop mechanism. S. A. Neidich. 1,660,086; Feb. 21.
- Stop mechanism, Automatic. V. G. Ross. 1,675,426; July 3.
- Stop mechanism, Automatic train-. P. J. Clifford. 1,675,251; June 26.
- Stop mechanism for sheet-feeding apparatus. A. Broadmeyer. 1,675,246; June 26.
- Stop-motion device. W. C. Campbell. 1,674,388; June 19.
- Stop motion, Electrically-operated warp. J. Regan. 1,692,952; Nov. 27.
- Stop-motion mechanism. G. F. Matteson. 1,689,287; Oct. 30.
- Stop-signal switch, Motor-vehicle. E. E. Safely. 1,673,206; June 12.
- Stopper. See—
Bottle stopper. Ladle stopper.
Cinder-notch stopper.
- Stopper. H. J. Bragdon. 1,658,917; Feb. 14.
- Stopper. F. S. Hyatt. 1,662,189; Mar. 13.
- Stopper for acid bottles and making the same. D. Estes. 1,661,416; Mar. 6.
- Stopper for bottles or other receptacles, Safety. L. Medveczky. 1,671,119; May 29.
- Stopper for india-ink bottles and the like. A. Langsner. 1,696,006; Dec. 18.
- Stopper, Gas-main. P. Goodman. 1,695,187; Dec. 11.
- Stopping device for stretching machines, Electric. W. Dewhurst. 1,696,109; Dec. 18.
- Stopping high-powered vehicles, Device for. J. B. Strauss. 1,692,425; Nov. 20.
- Stopping means, Automatic. S. Halvorsen. 1,689,242; Oct. 30.
- Stopping mechanism for knitting machines. J. Regan. 1,695,387; Dec. 18.
- Stopping railroad vehicles independently of the driver, Device for. P. Friedel. 1,680,215; Aug. 7.
- Stopping system for railroad cars, Automatic. J. Farenc. 1,681,106; Aug. 14.
- Storage and carrying case. M. W. McArdle. Des. 76,198; Aug. 28.
- Storage and handling system, Material. R. H. Beaumont. 1,680,242; Aug. 7.
- Storage apparatus, Motion. E. A. White. 1,684,853; Sept. 18.
- Storage battery. F. P. Danna. 1,663,193; Mar. 20.
- Storage battery. C. J. Dunzweiler. 1,680,038; Aug. 7.
- Storage battery. B. Ford. 1,691,800; Nov. 13.
- Storage battery. J. G. Jackson. 1,694,856; Dec. 11.
- Storage battery. R. A. Klock and T. B. Entz. 1,675,978; July 3.
- Storage battery. T. E. McCarty and H. E. Salisbury. 1,692,217; Nov. 20.
- Storage battery. P. Mallon. 1,660,229; Feb. 21.
- Storage battery. P. E. Norris. 1,656,753; Jan. 17.
- Storage battery. P. E. Norris. 1,665,603; Apr. 10.
- Storage battery. C. E. Schlossnager. 1,654,705; Jan. 3.
- Storage battery. E. W. Smith. 1,692,316; Nov. 20.
- Storage battery. G. K. Thompson. 1,662,349; Mar. 13.
- Storage battery. A. P. Wood. 1,687,416; Oct. 9.

- Storage battery. J. L. Woodbridge. 1,691,794; Nov. 13.
 Storage-battery case. P. O. Gunkel. 1,696,001; Dec. 18.
 Storage battery, Catalytic agent in. D. W. Davis. 1,694,530; Dec. 11.
 Storage-battery container. A. R. Lukens. 1,656,072; Jan. 10.
 Storage-battery device. F. C. Ridgely. 1,661,854; Mar. 6.
 Storage battery, Lead. A. Kastelic. 1,678,224; July 24.
 Storage-battery plates, Spacing and supporting bridge for. W. E. Gossling. 1,663,698; Mar. 27.
 Storage bin. K. Zacharias. 1,659,230; Feb. 14.
 Storage-cell connector. T. S. Cole. 1,688,002; Oct. 16.
 Storage-cell-plate separator. W. L. Gill, J. O. Mudgett, and A. B. Bennett. 1,674,284; June 19.
 Storage rack, Elevating-transfer. C. F. Hanlen. 1,682,078; Aug. 28.
 Storage system for aircraft, Gas-. C. S. Hall. 1,687,204; Oct. 9.
 Storage tank, Oil-. B. K. Appleman. 1,695,358; Dec. 18.
 Storage tank. J. A. Stough. 1,674,073; June 19.
 Storage tank, Liquid-. J. H. Wiggins. 1,660,021; Feb. 21.
 Storage tank, Liquid-. J. H. Wiggins. 1,668,792; May 8.
 Storage tank, Oil-. M. O. Clark. 1,681,098; Aug. 14.
 Storage tank, Water-. P. Gray. 1,661,659; Mar. 6.
 Storage tank, Pressure-resistance. G. W. Russell. 1,686,931; Oct. 9.
 Storage unit, Energy-. A. P. Brush. 1,663,647; Mar. 27.
 Store equipment, Self-service. A. C. Roberts. 1,664,945; Apr. 3.
 Store fixtures for vending merchandise, Self-service. J. T. Myers and J. H. Carroll. 1,684,637; Sept. 18.
 Store front. J. B. Berland. Des. 76,598; Oct. 16.
 Store front. J. B. Berland. Des. 76,910; Nov. 20.
 Store front. W. Melville. Des. 77,250-1; Dec. 18.
 Store front. W. Melville and R. H. Smythe. Des. 77,252; Dec. 18.
 Store front. B. F. Schulte. Des. 77,261; Dec. 18.
 Store-front construction. F. and I. Himmel. 1,659,430; Feb. 14.
 Store-front construction. F. and I. Himmel. 1,670,151; May 15.
 Store-front construction. F. E. Hoffman. 1,656,636; Jan. 17.
 Store-front construction. C. B. Young. 1,689,611; Oct. 30.
 Store front or similar article. C. La Hatte. Des. 76,024; Aug. 14.
 Store, Self-service. T. C. Nix and M. D. Miller. 1,688,551; Oct. 23.
 Store-service apparatus. P. R. Goss. 1,675,545; July 3.
 Store-shelving front unit. J. B. Murdoch. 1,678,522; July 24.
 Storing alkali metals, Method and apparatus for. D. H. Brophy and W. A. Ruggles. 1,685,666; Sept. 25.
 Storing and handling material, System for. F. T. Kern. 1,685,675; Sept. 25.
 Storing dishes, Apparatus for. F. M. Butler. 1,682,885; Sept. 4.
 Storing motor vehicles, Method and construction for. E. H. White. 1,683,937; Sept. 11.
 Stove. C. C. Armstrong. 1,663,151; Mar. 20.
 Stove. C. C. Armstrong. 1,669,803; May 15.
 Stove. I. V. Brumbaugh. 1,663,438; Mar. 20.
 Stove. R. F. Clark. Des. 75,611; June 26.
 Stove. H. B. De Can. 1,687,972; Oct. 16.
 Stove. C. M. Dibble. Des. 77,305; Dec. 25.
 Stove. E. Germer. 1,656,055; Jan. 10.
 Stove. E. G. Germer. 1,656,516; Jan. 17.
 Stove. E. G. Germer. 1,681,476; Aug. 21.
 Stove. A. F. Glass. 1,655,055; Jan. 3.
 Stove. H. Herrenbruck. 1,694,176; Dec. 4.
 Stove. U. N. Howell. Des. 76,930; Nov. 20.
 Stove. S. V. Reeves. 1,664,045; Mar. 27.
 Stove. M. Resek. Des. 76,154-5; Aug. 21.
 Stove. A. A. Roesch. Des. 75,986; Aug. 7.
 Stove. E. W. Rogers. Des. 77,258; Dec. 18.
 Stove. E. W. Rogers. 1,689,084; Oct. 23.
 Stove. R. W. Rogers. 1,661,306; Mar. 6.
 Stove. E. A. Sattler. Des. 75,074; May 1.
 Stove. C. G. Terry. 1,655,211; Jan. 3.
 Stove. C. G. Terry. 1,660,688; Feb. 28.
 Stove. A. H. Tinnerman. Des. 76,435; Sept. 25.
 Stove. L. T. Wilcox. 1,679,556; Aug. 7.
 Stove. Z. C. Wilkinson. 1,691,692; Nov. 13.
 Stove and assembling the same, Electric. E. A. Ruttenber. 1,674,995; June 26.
 Stove and heater, Oil. A. M. Grayson. 1,661,939; Mar. 6.
 Stove and range, Combined gas. S. H. Hobson. Des. 75,245; May 22.
 Stove and toaster, Combined electrical. E. V. Coulston. 1,675,924; July 3.
 Stove cabinet, Portable. H. B. Chalmers. 1,670,020; May 15.
 Stove, Camp. J. F. Britton. 1,669,852; May 15.
 Stove, Camp. L. B. N., W., and J. M. Goldberg. 1,656,480; Jan. 17.
 Stove, Camp. S. Majewski. Des. 76,697; Oct. 23.
 Stove, Camp. E. J. Nielsen and O. Horsrud. 1,654,662; Jan. 3.
 Stove casing or similar article. H. J. Rupp. Des. 75,290; May 22.
 Stove, Combination cooking and heating. A. J. Reedy. 1,654,665; Jan. 3.
 Stove, Combined cooking and heating. A. J. Reedy. 1,657,136; Jan. 24.
 Stove construction. C. M. Dibble. 1,677,585; July 17.
 Stove construction. A. H. Tinnerman. 1,665,757; Apr. 10.
 Stove construction, Gas-. J. C. Schenk. 1,656,447; Jan. 17.
 Stove, Cook. G. E. Pickup. 1,678,269; July 24.
 Stove, Cook. G. E. Pickup. 1,688,019; Oct. 16.
 Stove, Cooking. B. B. Kahn. 1,671,192; May 29.
 Stove, Cooking. F. S. Lang. 1,681,773; Aug. 21.
 Stove, Cooking. G. E. Pickup. 1,687,993; Oct. 16.
 Stove, Electric. C. C. Armstrong. 1,669,802; May 15.
 Stove, Electric. O. F. Baughman and L. W. Cady. 1,659,986; Feb. 21.
 Stove, Electric cooking. J. C. Hollands. 1,693,784; Dec. 4.
 Stove, Electrical. H. Frank. 1,662,805; Mar. 13.
 Stove, Electrically-heated tile. F. Graf. 1,694,539; Dec. 11.
 Stove elements, Detachable terminal connection for electric. J. M. Gunn. 1,660,556; Feb. 28.
 Stove for burning coke. Open-front fireplace. J. S. Owens. 1,688,430; Oct. 23.
 Stove frame, Folding portable. W. C. Lindemann and A. W. Benson. 1,686,620; Oct. 9.
 Stove, Gas. W. L. Brooks. 1,694,839; Dec. 11.
 Stove, Gas. A. J. Reedy. Des. 74,897; Apr. 10.
 Stove, Gas-burning. A. E. Thatcher. 1,671,618; May 29.
 Stove, Gas heating. W. F. Zick. 1,664,277; Mar. 27.
 Stove head. R. T. Williams. 1,671,916; May 29.
 Stove, Heating. A. Clarke. 1,669,078; May 8.
 Stove, Heating. E. F. Diekmann. 1,687,430; Oct. 9.
 Stove, Heating. W. H. Hill. Des. 75,244; May 22.
 Stove, Heating. H. Lange. Des. 74,839; Apr. 3.
 Stove, Heating. C. E. Pedersen. 1,691,208; Nov. 13.
 Stove, Heating. C. H. Rasmussen. 1,656,500; Jan. 17.
 Stove, Heating. J. T. Templeton. Des. 75,665; June 26.
 Stove, High-duty petroleum. A. Carpinetti. 1,692,075; Nov. 20.
 Stove, Hot-blast. F. R. McGee. 1,689,042; Oct. 23.
 Stove, Hydrocarbon heating. H. B. Reppetto. 1,685,095; Sept. 25.
 Stove leg. L. T. Wilcox. Des. 76,170; Aug. 21.
 Stove-leg connection. E. A. Ruttenber. 1,685,096; Sept. 25.
 Stove-leg support. N. Jensen. 1,655,611; Jan. 10.
 Stove, Liquid-fuel. L. S. Chadwick. 1,682,701; Aug. 28.
 Stove, Liquid-fuel heating. A. C. and J. Sladky. 1,676,805; July 10.
 Stove, Oil. W. K. Kise. Re17,053; July 31.
 Stove, Oil. W. K. Kise. 1,669,090; May 8.
 Stove, Oil. M. Resek. 1,677,597; July 17.
 Stove, Oil. L. T. Wilcox. 1,657,652; Jan. 31.
 Stove, Oil and water burner. A. O. Sletager. 1,663,284; Mar. 20.
 Stove or range. J. J. Toomey. 1,655,115; Jan. 3.
 Stovepipe. A. R. Atteberger and I. J. Blalock. 1,693,428; Nov. 27.
 Stovepipe. W. E. Huenefeld. 1,664,885; Apr. 3.
 Stovepipe attachment. M. Osborn. 1,661,674; Mar. 6.
 Stovepipe blank, Interlocking. E. O. Simpson. 1,687,738; Oct. 16.
 Stovepipe-casing coupling. O. C. Trout. 1,690,562; Nov. 6.
 Stovepipe casing, Making. M. R. Shipley and W. A. and O. C. Trout. 1,670,639; May 22.
 Stovepipe casings, Method of and apparatus for making. W. E. Rupley. 1,679,499; Aug. 7.
 Stovepipe lock. E. Corcoran. 1,695,634; Dec. 18.
 Stovepipe ventilator. W. J. Hull. 1,693,507; Nov. 27.
 Stove, Portable camp. C. W. Mummery. Des. 76,199; Aug. 28.
 Stove, Reversible. L. Moore and C. M. Dibble. 1,689,447; Oct. 30.
 Stove shield. F. A. Tagliabue. 1,656,248; Jan. 17.
 Stove-top construction. A. H. Tinnerman. 1,664,004; Mar. 27.
 Stove with float-operated shut-off valve. H. C. Hanson. 1,663,700; Mar. 27.
 Stoves, Element support for electric. C. M. Dibble. 1,695,801; Dec. 18.
 Stoves, Temperature indicator for heating. J. M. Bell. 1,659,347; Feb. 14.
 Straightedge. H. E. Benway. 1,691,459; Nov. 13.
 Straightedge. A. P. Jacob. 1,658,683; Feb. 7.
 Straightedge, Adjustable. B. E. McLaughlin. 1,666,244; Apr. 17.
 Straightedge for wall-paper trimmers. C. E. Galvin. 1,694,850; Dec. 11.
 Straightener, Automobile frame. P. O. Hawkins. 1,676,263; July 10.
 Straightener, Fork-tine. J. T. Pedersen. 1,676,918; July 10.
 Straightener, Rail-bond. O. W. Bricker. 1,675,785; July 3.
 Straightening machine. R. C. Glover. 1,672,208; June 5.
 Straightening machine. F. Huff. 1,656,376; Jan. 17.
 Straightening machine. J. C. Malone. 1,657,311; Jan. 24.
 Straightening machine. G. A. Wise. 1,688,480; Oct. 23.
 Straightening machine, Disk-wheel. R. Furbush. 1,690,006; Oct. 30.
 Straightening rugs. J. S. Nakashian. 1,688,088; Oct. 16.
 Straightening web in fabrics, Apparatus for. G. Durrant. 1,690,334; Nov. 6.
 Strain equalizer. G. J. Renle. 1,684,687; Sept. 18.
 Strainer. W. S. Brubaker. 1,673,391; June 12.

- Strainer. E. Chetham. 1,669,284; May 8.
 Strainer. W. M. Dillon. 1,665,494; Apr. 10.
 Strainer. G. L. Hinman. 1,694,743; Dec. 11.
 Strainer. F. M. Holmes. 1,679,033; July 31.
 Strainer. D. R. McNeal. 1,675,505; July 3.
 Strainer. A. W. Morse and W. E. Wohlheim. 1,681,620; Aug. 21.
 Strainer. W. B. Murden. 1,688,429; Oct. 23.
 Strainer. F. G. Slagel. 1,688,401; Oct. 23.
 Strainer. I. E. Smith. 1,654,615; Jan. 3.
 Strainer. N. Wolkowich. 1,694,088; Dec. 4.
 Strainer and check valve. A. M. Morrison. 1,657,173; Jan. 24.
 Strainer and container. Combination. E. S. and A. P. Kogler. 1,675,855; July 3.
 Strainer and lint catcher. Gasoline. F. C. Reed. 1,690,207; Nov. 6.
 Strainer. Concrete well. T. W. Thorpe and G. E. Thorpe. 1,682,697; Aug. 28.
 Strainer. Culinary. A. Lipner. 1,664,564; Apr. 3.
 Strainer. Duplex oil. J. T. Voorheis. 1,685,303; Sept. 25.
 Strainer for dope systems. Terminal. E. Weinheim. 1,666,725; Apr. 17.
 Strainer for fluids. F. A. Quiroz and E. H. Peabody. 1,671,487; May 29.
 Strainer head for tubing machines. V. Royle. 1,684,203; Sept. 11.
 Strainer holder. F. B. Masuoka. 1,658,002; Jan. 31.
 Strainer holder. E. R. Schnitger. 1,688,751; Oct. 23.
 Strainer. Liquid. I. J. Wenzka. 1,685,655; Sept. 25.
 Strainer. Milk. H. S. Fries. 1,679,122; July 31.
 Strainer. Milk. L. F. Wiemer. 1,695,306; Dec. 18.
 Strainer. Oil. J. S. Armour. 1,682,655; Aug. 28.
 Strainer. Oil. A. E. Grant. 1,687,292; Oct. 9.
 Strainer. Oil-tube. J. G. Gillespie. 1,680,146; Aug. 7.
 Strainer. Paper-stock. J. D. Haskell and M. R. Rust. 1,693,560; Nov. 27.
 Strainer. Roof. S. Silverman. 1,674,347; June 19.
 Strainer screen and making same. P. Mueller. 1,688,630; Oct. 23.
 Strainer. Sink. G. J. Lemm. 1,660,010; Feb. 21.
 Strainer. Sink. S. G. Settles. 1,696,505; Dec. 25.
 Straining or filtering apparatus. F. C. Fulcher and W. R. Beldam. 1,673,743; June 12.
 Straining press. K. Sohler. 1,672,659; June 5.
 Straining system for sugar-cane mills. Juice-. W. G. Hall. 1,669,086; May 8.
 Strainers, cushion for sink. A. D. Mayette. 1,664,521; Apr. 3.
 Strainers. Forming well. J. H. McEvoy, jr. 1,685,287; Sept. 25.
 Strand detector and detainer. W. P. Williamson. 1,675,010; June 26.
 Strand-severing mechanism. E. F. Baldwin. 1,678,100; July 24.
 Strand twisting and coiling mechanism. R. C. Angell. 1,671,951; May 29.
 Strand-twisting apparatus. G. A. Bouvier. 1,684,533; Sept. 18.
 Strand-twisting apparatus. T. E. O'Donnell. 1,684,511; Sept. 18.
 Strand-working mechanism. C. O. Haase. 1,677,135; July 17.
 Strand-working mechanism. F. S. Kochendorfer. 1,677,186; July 17.
 Stranded articles. Method of and apparatus for forming. G. A. Bouvier. 1,684,532; Sept. 18.
 Stranded sector-shaped conductor. N. C. Davis. 1,691,921; Nov. 20.
 Stranding machine. E. A. Conner. 1,691,337; Nov. 13.
 Stranding machine for the rapid manufacturing of strands of textile fibers or wires either alone or coupled together. S. Riva and M. Pron. 1,660,049; Feb. 21.
 Strands, ropes, or cables. Attachment for. G. W. Ewins. 1,681,285; Aug. 21.
 Strap: See—
 Belt strap. Pipe strap.
 Book strap. Shoe strap.
 Doorcheck strap. Shoulder strap.
 Fixture strap. Wrist-watch strap.
 Harness strap.
 Strap attachment. Head-block. C. L. Snyder. 1,694,287; Dec. 4.
 Strap connection. E. S. Mix. 1,692,511; Nov. 20.
 Strap connection. Adjustable. F. Dieterle. 1,683,657; Sept. 11.
 Strap fastener member. Shoe-. E. E. Weller. Des. 77,140; Dec. 4.
 Strap for garments. Supporting. J. Leonard. 1,672,069; June 5.
 Strap protector. J. M. Walsh. 1,676,065; July 3.
 Strap stay. Adjustable shoulder-. I. Korper. 1,677,109; July 10.
 Strap tightener. Automatic. J. D'Alo. 1,692,079; Nov. 20.
 Strap-type clamp. W. H. Vibber. 1,675,007; June 26.
 Straps. Guard for hand. W. H. Buckingham. 1,667,307; Apr. 24.
 Strata in wells. Plugging or packing off. H. M. Ryder and L. J. Bailey. 1,661,270; Mar. 6.
 Strawberry top and runner cutter. J. Bechthold. 1,665,998; Apr. 10.
 Straw or like cutting machine. J. Stokes. 1,690,508; Nov. 6.
 Straw pulp and paper. Manufacturing. C. H. Dedrick. 1,682,834; Sept. 4.
 Streak-ribbed product and making same. C. Ellis. 1,685,355; Sept. 25.
 Stream motor. P. Buda. 1,684,469; Sept. 18.
 Street and station indicator. K. O'Brien. 1,683,575; Sept. 4.
 Street crossing. E. Mihaliak. 1,661,490; Mar. 6.
 Street indicator. E. L. Butler. 1,666,550; Apr. 17.
 Street lighting standard. H. S. Clark. Des. 75,413-14; June 5.
 Street marker. L. F. N. Baldwin. 1,661,870; Mar. 6.
 Streets. System and means for marking. J. W. De Ford. 1,662,960; Mar. 20.
 Stress breaker. N. A. Oscher. 1,665,975; Apr. 10.
 Stress meter. Thermoelectric. W. Bock. 1,680,589; Aug. 14.
 Stretcher. Adjustable wheel. G. A. Gallowitz. 1,694,172; Dec. 4.
 Stretcher. Curtain. E. J. Quiggle. 1,686,253; Oct. 2.
 Stretcher. Curtain. J. J. Simmons. 1,678,921; July 31.
 Stretcher. Necktie. W. Lyjak. 1,695,927; Dec. 18.
 Stretcher. Necktie. J. T. McGrath. 1,693,205; Nov. 27.
 Stretcher. Pelt. J. J. Smith. 1,695,613; Dec. 18.
 Stretcher. Shoe. R. Lavoano, J. Alessio and S. Campagna. 1,677,591; July 17.
 Stretcher. sleeping or sick frame. G. L. Mesman. 1,661,139; Feb. 28.
 Stretcher. Spring belt. H. Benit. 1,695,945; Dec. 18.
 Stretcher. Wire. J. T. Jensen. 1,659,602; Feb. 21.
 Stretching device. W. S. Freeburg. 1,668,555; May 8.
 Stretching device for hides and skins of animals and the like. F. E. Bourcier. 1,660,292; Feb. 21.
 Stretching sheets of material. Mechanism for. C. J. Solomon. 1,682,356; Aug. 28.
 Striker attachment for animal traps. A. N. Armstrong. 1,678,898; July 31.
 Striker plate. S. H. Halper. 1,663,300; Mar. 20.
 Striker plate. Adjustable. F. Kiehler. 1,670,510; May 22.
 Striker plate. Adjustable. E. E. Lundberg. Re17,083; Sept. 11.
 Striker plate. Adjustable. W. Marshall. 1,655,556; Jan. 10.
 Striker plate. Door-lock. G. C. Whiteford. 1,660,825; Feb. 28.
 Striker spoon. C. T. Pfueger. 1,682,711; Aug. 28.
 Striking and boring mechanism. G. Maehren. 1,661,666; Mar. 6.
 Stringed-instrument player. N. S. Brody. 1,667,925; May 1.
 Stringed instruments. Attachment for. J. E. Larsen. 1,694,786; Dec. 11.
 Stringing machine. E. B. Carter. 1,695,796; Dec. 18.
 Strip-applying machine. E. E. Clements. 1,674,192; June 19.
 Strip-coating apparatus. R. R. Ambler. 1,663,232; Mar. 20.
 Strip-covering machine. E. D. Putt. 1,673,530; June 12.
 Strip-feeding device. E. M. and F. M. Brackett. 1,670,337; May 22.
 Strip-forming machine. Composite-. E. S. Mix and J. R. Whitehouse. 1,671,042; May 22.
 Strip material to annular articles. Method and apparatus for applying. W. F. Rennie. 1,661,090; Feb. 28.
 Strip mill. F. C. Biggert, jr. 1,676,176; July 3.
 Strip-recording apparatus. Chart drive roll for. H. Koester. 1,667,479; Apr. 24.
 Strip stock. Apparatus for making multiply. H. W. Bundy. 1,687,605; Oct. 16.
 Stripper. Mechanical. A. Cynova. 1,661,599; Mar. 6.
 Stripping apparatus for circular-hosiery machines. F. Neveux. 1,679,680; Aug. 7.
 Stripper appliance. Removable. M. E. Tobeler. 1,683,501; Sept. 4.
 Stripping. W. C. Roberts. 1,684,147; Sept. 11.
 Stripping for windows and doors. Weather. A. F. Thompson. 1,695,161; Dec. 11.
 Stripping machine. I. W. Ross. 1,682,255; Aug. 28.
 Stripping machine. Leaf-. W. B. Story. 1,670,484; May 22.
 Stripping machines. Cut-off mechanism for. E. M. and F. M. Brackett. 1,678,667; July 31.
 Stripping machines. Expandable box-band holder for. I. A. Deline. 1,664,738; Apr. 3.
 Stripping. Weather. W. J. Dennis. 1,675,844; July 3.
 Strop. Razor. M. W. McArdle. 1,694,389; Dec. 11.
 Stropper. Razor-blade. G. G. Floyd. 1,670,500; May 22.
 Stropper. Razor-blade. J. Mosley. 1,667,867; May 1.
 Stropper. Razor-blade. J. V. Petrelli. 1,667,819; May 1.
 Stropping device. Razor-. C. L. Van Amburgh. 1,685,470; Sept. 25.
 Structural blocks. D. M. Colwell. 1,676,385; July 10.
 Structural column. G. L. Bennett. 1,655,407; Jan. 10.
 Structural element. S. Macomber. 1,678,738; July 31.
 Structural-form tie. L. O. Gates. 1,692,166-7; Nov. 20.
 Structural members. apparatus for fabricating. M. A. Baker. 1,673,965; June 19.
 Structural section. F. T. Llewellyn. 1,657,623; Jan. 31.
 Structural shapes. Method of and apparatus for the manufacture of. C. W. Koelbeck. 1,693,987; Dec. 4.
 Structural unit. D. M. Bitney. 1,658,758; Feb. 7.
 Structural unit. D. H. Bitney. 1,667,834; May 1.
 Structural unit. D. H. Bitney. 1,680,444; Aug. 14.

- Structural unit. D. H. Bitney. 1,683,439; Sept. 4.
 Structural unit. D. H. Bitney. 1,688,958; Oct. 23.
 Structural unit. S. Macomber. 1,669,095; May 8.
 Structural unit. R. B. Mitchell. 1,680,427; Aug. 14.
 Structure, Fabric. E. L. Benedict. 1,665,433; Apr. 10.
 Structure having coincidence of normally eccentric axes of force and mass. H. F. Roach. 1,663,281; Mar. 20.
 Stud driver. A. Levedahl. 1,684,231; Sept. 11.
 Studding for building structures. E. B. Selway. 1,685,247; Sept. 25.
 Studying geologic contours, Method and apparatus for. B. McCollum. 1,676,619; July 10.
 Stuffing box. H. F. Lawrence. 1,673,751; June 12.
 Stuffing box. C. L. Pruiett. 1,677,848; July 17.
 Stuffing box and bearing structure. W. G. Kirchhoff. 1,696,094; Dec. 18.
 Stuffing box and shaft bearing, Combined. J. C. Smith. 1,685,381; Sept. 25.
 Stuffing box for propeller shafts. H. H. Blache. 1,683,756; Sept. 11.
 Stuffing machine. O. C. Schmidt. 1,666,631; Apr. 17.
 Stuffing, Manufacturing. G. J. Miller. 1,663,852; Mar. 27.
 Stuffing material. H. O. Lange. 1,687,867; Oct. 16.
 Stuffing plait, Apparatus for. A. S. Mitchell. 1,683,296; Sept. 4.
 Stump-pulling engine. E. Easthope. 1,680,939; Aug. 14.
 Stump-pulling machine. G. L. Luebbers. 1,682,973; Sept. 4.
 Stumps, Apparatus for harvesting. J. T. Murry and C. B. Patterson. 1,663,277; Mar. 20.
 Styrol and its homologues and the polymerization of styrol and its homologues, Polymerized. I. Ostromislensky. 1,683,402-4; Sept. 4.
 Styrol from a nonhomogeneous mass of polymerized styrol, Making substantially homogeneous masses of polymerized. I. Ostromislensky and M. G. Shepard. 1,683,401; Sept. 4.
 Styrol from chlor ethyl benzol, Production of. O. H. Smith. 1,687,903; Oct. 16.
 Styrols and products obtained thereby, Making vitreous polymerized. I. Ostromislensky. 1,683,405; Sept. 4.
 Subframe for windows, doors, and the like. H. S. Sterner and R. J. Dietrich. 1,672,435; June 5.
 Sublimation. C. Field. 1,662,056; Mar. 13.
 Sublimation apparatus. C. A. Lyford. 1,661,070; Mar. 13.
 Sublimator. F. A. Pearl. 1,678,442; July 24.
 Subliming apparatus. H. G. Stone. 1,683,931; Sept. 11.
 Submarine. G. F. Myers. 1,690,547; Nov. 6.
 Submarine cable. O. E. Buckley. 1,681,515; Aug. 21.
 Submarine direction finder. W. Rudolph and G. Wolff. 1,684,848; Sept. 18.
 Submarine drill. L. Giliasso. 1,681,533; Aug. 21.
 Submarine drills, Steel guide for. C. C. Hansen. 1,668,569; May 8.
 Submarine mine. H. B. Pratt. 1,679,978-80; May 15.
 Submarine safety device. G. Boyron. 1,673,791; June 19.
 Submarine sound receiver. W. Hahnemann. 1,670,888; May 22.
 Submarine sound receiver. J. H. Hammond, jr. 1,690,578; Nov. 6.
 Submarine vessels and the like, Apparatus for facilitating the salvaging of sunken. R. P. Nielsen. 1,667,797; May 1.
 Submarines, Mine recess of mine-planting. F. Fenaux. 1,683,177; Sept. 4.
 Submarines, Testing dock for. P. Matthiessen and A. D. Möller. 1,663,346; Mar. 20.
 Subsoil, Determining the nature of. M. Mason. 1,692,849; Nov. 27.
 Subsoil packer. S. W. Cady. 1,673,184; June 12.
 Substances into solutions and withdrawing them therefrom and for analogous purposes, Apparatus for intermittently introducing. K. S. Mills. 1,664,127; Mar. 27.
 Substation, Automatic. R. J. Wensley. 1,682,452; Aug. 28.
 Sucker and pull rods, Guide bearing for. J. L. Boicourt. 1,659,940; Feb. 21.
 Sucker-rod coupling. W. A. Sutton and F. M. Kelso. 1,658,264; Feb. 7.
 Sucker-rod elevator. D. D. Brant. 1,657,780; Jan. 31.
 Sucker-rod elevator. E. E. Greve. 1,665,259; Apr. 10.
 Sucker rod guide, Detachable. J. C. Garrett. 1,696,543; Dec. 25.
 Sucker-rod hook. J. D. Lemex. 1,669,418; May 15.
 Sucker-rod wrench. T. A. Reynolds. 1,675,729; July 3.
 Sucker rods, Elevator link for. F. W. Grady. 1,667,779; May 1.
 Sucker rods, Making. F. E. Anderson and F. H. Thorpe. 1,690,612; Nov. 6.
 Sucrose from mixtures containing reducing sugars, Recovering. H. W. Dahlberg. 1,686,440; Oct. 2.
 Suction apparatus. G. Bühler. 1,678,932; July 31.
 Suction box. R. H. Taylor, jr. 1,680,486; Aug. 14.
 Suction box. J. W. Vedder. 1,664,801; Apr. 3.
 Suction box, Oscillating. A. Aldrich. 1,677,128; July 17.
 Suction cleaner. W. A. Frantz. 1,660,331; Feb. 28.
 Suction cleaner. W. A. Frantz. 1,678,111; July 24.
 Suction cleaner. H. E. Hoover. Re16,893; Mar. 6.
 Suction cleaner. W. V. Orr. 1,655,875; Jan. 10.
 Suction cleaner. W. E. Sherbondy. 1,695,984; Dec. 18.
 Suction cleaner. H. B. White. 1,671,562; May 29.
 Suction elevator. A. C. Ludlum. 1,668,855; May 8.
 Suction roll. E. Berry. 1,679,598; Aug. 7.
 Suction roll. A. N. Russell and B. A. Malkin. 1,678,083; July 24.
 Suds-producing means. T. A. Luthander. 1,677,645; July 17.
 Sugar and paper pulp from cane, Apparatus for simultaneously making. E. A. Vazquez. 1,688,905; Oct. 23.
 Sugar and paper pulp from cane, Simultaneously making. E. A. Vazquez. 1,688,904; Oct. 23.
 Sugar bowl or similar article. L. W. Rice. Des. 75,650; June 26.
 Sugar cane for extracting juice from cane stalk, Preparing. W. H. Morgan, sr. 1,655,327; Jan. 3.
 Sugar-cane mill. K. W. Sharp. 1,673,921; June 19.
 Sugar dispenser. H. Kronke. 1,656,980; Jan. 24.
 Sugar juice, Clarification of cane-. J. V. N. Dorr. 1,655,049; Jan. 3.
 Sugar, Manufacturing corn. C. R. Brown and H. E. Nelson. 1,690,359; Nov. 6.
 Sugar, Making grape. W. B. Newkirk. 1,658,998; Feb. 14.
 Sugar, Producing refined. M. R. J. Schmid. 1,668,470; May 1.
 Sugar-serving device. M. E. Kenney. 1,668,848; May 8.
 Sugar-serving device. M. E. Kenney. 1,669,712; May 15.
 Suit box. H. R. Bliss. 1,680,932; Aug. 14.
 Suitcase. F. De Luca. 1,668,358; May 1.
 Suitcase. H. L. Moore. 1,657,269; Jan. 24.
 Suitcase lock. E. B. Stone. Des. 77,265; Dec. 18.
 Sulky. H. W. Hanan. 1,691,390; Nov. 13.
 Sulphate of aluminum, Manufacture of. L. G. Patrouilleau. 1,692,692; Nov. 20.
 Sulphide, Making antimony. H. Nuhn and L. H. Blood. 1,671,203; May 29.
 Sulphides, Treating metalliferous. H. E. Wetherbee. 1,674,491; June 19.
 Sulphite pulp, Cooking. G. H. Tomlinson. 1,657,048; Jan. 24.
 Sulphonated-cellulose derivatives and preparing same. G. Kränzlein, A. Voss, and F. Brunträger. 1,682,382; Aug. 28.
 Sulphonated compounds, Purification of petroleum oils for removal of. R. C. Moran. 1,659,782; Feb. 21.
 Sulphonation. H. B. Faber. 1,679,211; July 31.
 Sulphonic compounds, Fusion of aromatic. C. R. Downs. 1,658,230; Feb. 7.
 Sulphonic derivatives of unsaturated fatty acids, Manufacture of new. A. Thauss, G. Mauthe, and A. Günther. 1,667,225; Apr. 24.
 Sulphoxylates for stripping dyes, Use of. C. S. Hollander. 1,696,164; Dec. 18.
 Sulphur and sulphur compounds from hydrocarbon oil, Removal of. G. L. Wendt. 1,658,505; Feb. 7.
 Sulphur and sulphur compounds from hydrocarbon oils, Removal of. G. L. Wendt. 1,668,225; May 1.
 Sulphur-bearing article. H. A. Noyes. 1,675,376; July 3.
 Sulphur, Burning or subliming. H. F. Merriam. 1,657,545; Jan. 31.
 Sulphur, Colored. W. H. Kobbé. 1,655,504; Jan. 10.
 Sulphur compound and producing it, Alkyl mercuric. M. S. Kharasch. 1,672,615; June 5.
 Sulphur-containing plastics, Making. C. Ellis. 1,665,186; Apr. 3.
 Sulphur dioxide and hydrogen, Production of. C. H. MacDowell and H. H. Meyers. 1,693,244; Nov. 27.
 Sulphur dioxide, Catalytic oxidation of. A. O. Jaeger and J. A. Bertsch. 1,657,753-4; Jan. 31.
 Sulphur dioxide, Catalytic oxidation of. A. O. Jaeger and J. A. Bertsch. 1,696,546; Dec. 25.
 Sulphur dioxide from waste gases, Recovering. G. A. Richter. 1,685,754; Sept. 25.
 Sulphur from ammonium polysulphide, Recovery of. P. Koppe. 1,656,563; Jan. 17.
 Sulphur from iron sulphides, Recovery of. R. F. Bacon. 1,672,924; June 12.
 Sulphur from other materials, Separating. K. M. Baum. 1,689,545; Oct. 30.
 Sulphur fungicides and insecticides. C. D. Vreeland. 1,662,550; Mar. 13.
 Sulphur machine. C. G. and P. G. Songy. 1,671,844; May 29.
 Sulphur, Manufacture of pure. W. H. Bentley. 1,680,079; Aug. 7.
 Sulphur, Mining. W. T. Lundy and H. S. Burns. 1,673,879; June 19.
 Sulphur of a high degree of dispersion and preparing same. H. Schrader, and H. Schoeller. 1,688,357; Oct. 23.
 Sulphur, Producing elemental. A. P. Thompson. 1,695,068; Dec. 11.
 Sulphur product and making same. C. Ellis. 1,690,335; Nov. 6.
 Sulphur, Quality of. C. Ellis. 1,676,604; July 10.
 Sulphur, Recovery of. W. H. Howard. 1,685,231; Sept. 25.
 Sulphur-silica composition. W. H. Kobbé. 1,693,714; Dec. 4.
 Sulphur, Treating. J. W. Schwab. 1,656,504; Jan. 17.
 Sulphydrates, Making alkali-metal. H. P. Bassett. 1,662,735; Mar. 13.
 Sun and wind shielding device, Portable. C. O. Peterson. 1,674,990; June 26.
 Sundial. G. A. Moore. 1,670,205; May 15.
 Sun-ray heater. P. L. Vinson. 1,673,429; June 12.

- Sunshade for automobile windows. J. J. Killip. 1,688,719; Oct. 23.
- Sun shield. J. De W. Hires. 1,670,966; May 22.
- Supercharger, Explosion-engine. R. J. P. E. Cozette. 1,663,936; Mar. 27.
- Superheater. J. A. Barnes. 1,689,317; Oct. 30.
- Superheater. C. W. Crowell. 1,656,973; Jan. 24.
- Superheater. H. R. Stevens, W. S. Parker, F. W. Shupert, and J. C. Benson. 1,685,726; Sept. 25.
- Superheater and boiler combination. J. R. Hannan and W. E. English. 1,677,081; July 10.
- Superheater boiler. A. Cotton. 1,654,533; Jan. 3.
- Superheater boiler. W. F. Keenan, jr. 1,671,114; May 29.
- Superheater boiler. W. F. Keenan, jr. 1,677,894; July 24.
- Superheater boiler. R. L. Spencer. 1,688,669; Oct. 23.
- Superheater boiler. Return tubular. J. Primrose. 1,681,952; Aug. 28.
- Superheater, Electric. E. Howe. 1,662,746; Mar. 13.
- Superheater, Flue. P. Thomsen. 1,680,232; Aug. 7.
- Superheater for Scotch boilers. J. J. Neils. 1,685,930; Oct. 2.
- Superheater for steam boilers. J. Jenkins. 1,674,552; June 19.
- Superheater header. B. Broido and R. M. Swartz. 1,692,154; Nov. 20.
- Superheater, Separately-fired. B. N. Broido. 1,674,424; June 19.
- Superheater, Separately-fired. B. N. Broide. 1,691,698; Nov. 13.
- Superheater, Steam. F. S. Anderton. 1,673,345; June 12.
- Superheating steam, Apparatus for. O. H. Hartmann. 1,660,612; Feb. 28.
- Superheaters, Apparatus for draining and cleaning. B. Broido. 1,662,953; Mar. 20.
- Superheaters, Controlling flow through. B. Broido. 1,661,106; Feb. 28.
- Superheterodyne receiver. F. B. Falknor. 1,682,495; Aug. 28.
- Superpressure lubricator. F. W. Parker. 1,677,595; July 17.
- Supervisory system. A. W. Steinke. 1,672,006; June 5.
- Supply pipe. E. G. Oakley. 1,656,222; Jan. 17.
- Supply system, Liquid-. C. H. Braselton. 1,686,891; Oct. 9.
- Supply tank, Abrasive. L. D. Peik. 1,686,877; Oct. 9.
- Supplying apparatus. A. Latham. 1,693,650; Dec. 4.
- Supplying molten glass to molds, Apparatus for. L. D. Souhier. 1,690,998; Nov. 6.
- Support. W. R. Barclay. 1,679,346; Aug. 7.
- Support. H. P. Chandler. 1,663,334; Mar. 20.
- Support. R. G. Hamaker. 1,692,209; Nov. 20.
- Support. P. J. Simon. 1,668,429; May 1.
- Support. M. J. Williams. 1,676,372; July 10.
- Support. Adjustable machine table. G. H. Knight. 1,681,412; Aug. 21.
- Support. Adjustable mail-box. J. A. Sluss. 1,691,531; Nov. 13.
- Support and bearing for gyrating shafts. A. R. Curtis. 1,695,230; Dec. 11.
- Support and container. E. G. Dexter. 1,657,664; Jan. 31.
- Support and spacer, Bar. H. H. Lampert. 1,694,066; Dec. 4.
- Support and using the same, Game-piece. W. L. M. Clark. 1,682,485; Aug. 28.
- Support arm. H. S. Jandus and J. R. Morgan. Des. 74,748; Mar. 20.
- Support attachment for flatirons. J. Pandolfo. 1,694,688; Dec. 11.
- Support, Bar. H. H. Lampert. 1,682,012; Aug. 28.
- Support, Bobbin. J. V. Mann and L. B. Hasbrouck. 1,692,458-9; Nov. 20.
- Support, Book. F. J. Rush. 1,682,053; Aug. 28.
- Support, Brake-beam. R. D. J. B. Webber. 1,682,647; Aug. 28.
- Support, Bumper. H. S. Jandus. 1,696,884; Dec. 25.
- Support, Cloth-roll. C. P. Bergstrom and V. A. Foisy. 1,691,145; Nov. 13.
- Support, Conductor. E. B. Snyder. 1,683,109; Sept. 4.
- Support construction for electrical appliances. D. N. Thompson. 1,679,799; Aug. 7.
- Support, Division-board. A. M. Woltz. 1,676,373; July 10.
- Support, Drawer. A. H. Andersson. 1,692,805; Nov. 27.
- Support, Electric outlet-box. L. Barnett. 1,692,806; Nov. 27.
- Support, Extension garment. C. T. Batts. 1,674,758; June 26.
- Support fixture for hangings or for clothes hangers. L. A. Smith. 1,693,408; Nov. 27.
- Support, Foldable. R. V. Proctor. 1,680,065; Aug. 7.
- Support, Foot. P. G. H. Hinder. 1,693,482; Nov. 27.
- Support, Foot. G. Krause. 1,687,070; Oct. 9.
- Support, Foot-arch. H. Sochor. 1,678,608; July 24.
- Support for articles. J. T. Jennens. 1,671,293; May 29.
- Support for automobile doors, Curtain. J. Ledwinka. 1,694,824; Dec. 11.
- Support for bobbin, Resilient. R. G. Turner. 1,692,967; Nov. 27.
- Support for built-in bathtubs, Adjustable. J. E. McHugh and A. G. Fields. 1,679,838; Aug. 7.
- Support for computing machines. D. D. Gray. 1,681,732; Aug. 21.
- Support for diffusion-battery-cell chains, Collapsible. E. H. Crofoot. 1,669,288; May 8.
- Support for double shades, Combined shield and bracket. E. F. Pidgeon. 1,692,694; Nov. 20.
- Support for electric light, gas, and other purposes, Movable. J. Dugdill. 1,678,422; July 24.
- Support for electric pick-up. F. L. Capps. Des. 75,412; June 5.
- Support for electric pick-up. C. F. Goudy. Des. 76,864; Nov. 13.
- Support for electric resistance elements. E. R. Case. 1,686,796; Oct. 9.
- Support for electrical apparatus. L. Larsen. 1,686,674; Oct. 9.
- Support for implement retainers. W. F. Zimmermann. 1,691,694; Nov. 13.
- Support for inkstands and the like. W. H. Gibson. Des. 76,531; Oct. 9.
- Support for internal-combustion engines with rubber cushions. C. R. Short. 1,694,756; Dec. 11.
- Support for knives of mowing machines. L. Eisele. 1,692,494; Nov. 20.
- Support for light signals. S. M. Day. 1,682,693; Aug. 28.
- Support for nailing strips and the like. F. I. Grimm. 1,693,949; Dec. 4.
- Support for polishing shoes. H. Hill. 1,686,133; Oct. 2.
- Support for reamer cutters. F. L. Scott. 1,694,870; Dec. 11.
- Support for removable seat covers. H. C. Burkhard. 1,687,826; Oct. 16.
- Support for spare wheels, Fixed. L. Rouanet. 1,677,212; July 17.
- Support for stationary shafts, Adjustable. S. B. Redfield. 1,689,750; Oct. 30.
- Support for the cleaning of floor coverings. C. A. Smith. 1,668,220; May 1.
- Support for the pylons of staging and the like. C. P. Mason. 1,679,254; July 31.
- Support for vacuum tubes. J. H. Mosher. 1,685,766; Sept. 25.
- Support for wash trays or the like. W. U. Griffiths. 1,674,823; June 26.
- Support for yieldable dentures. R. M. Withycombe. 1,665,154; Apr. 3.
- Support, Garment. G. Greenberg. 1,693,030; Nov. 27.
- Support, Garment. U. G. Mason. 1,686,830; Oct. 9.
- Support, Garment. W. H. Rose. 1,682,855; Sept. 4.
- Support, Garment-hanger continuous. W. E. Miller. 1,696,579; Dec. 25.
- Support, Golf-bag. T. M. Dick. 1,693,889; Dec. 4.
- Support, Hollow-shaft collector-lead. T. S. Scott. 1,683,706; Sept. 11.
- Support, Instep-arch. J. T. Wood. 1,696,786; Dec. 25.
- Support, Insulator. B. M. Smalley. 1,685,684; Sept. 25.
- Support, Knockdown. H. F. Maynes. 1,674,734; June 26.
- Support, Mail-box. J. E. Duncan. 1,696,530; Dec. 25.
- Support, Merchandise. C. La Hatte. 1,684,707; Sept. 18.
- Support, Motor. A. F. Sawyer. 1,694,868; Dec. 11.
- Support or easel, Adjustable. C. Uschmann. 1,681,070; Aug. 14.
- Support or holder for cut flowers and the like. L. Marx. 1,689,954; Oct. 30.
- Support, or similar article. J. Bouy. Des. 74,822; Apr. 3.
- Support, Overhead. C. M. Goodrich. 1,678,431; July 24.
- Support, Pole. W. Rawley. 1,689,050; Oct. 23.
- Support, Portable. L. M. Fulton. 1,677,439; July 17.
- Support, Progressive pile-driver. J. B. Templeton. 1,696,320; Dec. 25.
- Support, Resilient. F. J. Heideman. 1,685,778; Oct. 2.
- Support, Rod. F. M. Barton. 1,691,331; Nov. 13.
- Support, Scribed. V. G. H. Grothe. 1,683,247; Sept. 4.
- Support, Sliding-window-glass. E. W. M. Bailey. 1,696,588; Dec. 25.
- Support, Spring. F. M. Vogan. 1,695,129; Dec. 11.
- Support, Spring hanger and bumper. J. Dykstra. 1,694,774; Dec. 11.
- Support, Switch and signal-rod-carrier. O. S. Flath. 1,684,954; Sept. 18.
- Support, Switch and signal rod or pipe carrier. B. F. Lollis. 1,681,617; Aug. 21.
- Support, Resilient. R. W. Davis. 1,678,034; July 24.
- Support, Tubing. E. Green. 1,695,093; Dec. 11.
- Support, Telephone. G. W. Smith. 1,691,213; Nov. 13.
- Support, Vehicle body. W. D. Harper. 1,695,373; Dec. 18.
- Support, Work. W. J. Baumberger. 1,662,024; Mar. 6.
- Support, Work. W. J. Baumberger. 1,682,471; Aug. 28.
- Support, Work. H. H. Yerck and W. J. Baumberger. 1,682,456; Aug. 28.
- Support, Yieldable. R. D. Parks. 1,677,796; July 17.
- Supporter for wearing apparel. J. T. Eskridge. 1,694,735; Dec. 11.
- Supporter, Garment. D. M. Stirton. 1,689,977; Oct. 30.
- Supporter, Garment. M. R. Tarlton. 1,675,234; June 26.
- Supporter, Hose. A. D. Borenstein. 1,695,573; Dec. 18.
- Supporter or bracket, Adjustable. J. R. Oishe. 1,654,751; Jan. 3.
- Supporter, Shirt-sleeve. E. D. Bostick. 1,691,958; Nov. 20.
- Supporter, Shirt-sleeve. C. R. Martineau. 1,671,251; May 29.
- Supporting and display rack. Roll. A. E. Holmes. 1,658,794; Feb. 14.

- Supporting and inclosing structure for ground-working implements. J. E. Funk. 1,676,646; July 10.
- Supporting and sealing means for cyanide pots. F. J. Peterson. 1,695,467; Dec. 18.
- Supporting cores in molds in the manufacture of tubular castings. J. R. McWane. 1,688,728; Oct. 23.
- Supporting device. H. Horsfall. 1,672,720; June 5.
- Supporting device. H. Newman. 1,679,259; July 31.
- Supporting device, Flexible. D. S. S. Steuart. 1,675,672; July 3.
- Supporting device for socks and the like. O. R. Podestá. 1,691,082; Nov. 13.
- Supporting frame for screens, Foldable. H. Newman. 1,662,586; Mar. 13.
- Supporting means for golf bags. E. A. Sperry. 1,686,774; Oct. 9.
- Supporting member, Reenforced. P. H. Sereff. 1,675,768; July 3.
- Supporting pole, Wash-line. J. Rauhofer. 1,690,947; Nov. 6.
- Supporting stand, Detachable. H. C. Coleman. 1,675,794; July 3.
- Supporting structure for power tables. G. M. Eames. 1,695,419; Dec. 18.
- Supporting the side walls of excavations, Method of and apparatus for. S. H. Showell. 1,696,421; Dec. 25.
- Surface block. C. A. Cutler. 1,664,737; Apr. 3.
- Surface cleaner. L. F. M. Lea. 1,672,818; June 5.
- Surface-ornamenting process and apparatus. M. C. Beebe. 1,658,509; Feb. 7.
- Surface sander, Motor-vehicle. A. W. Reed. 1,684,806; Sept. 18.
- Surface transportation on city streets, Coordinating. H. R. Miller. 1,659,608; Feb. 21.
- Surfaces, Making antique. R. J. Greene. 1,677,716; July 17.
- Surfacing apparatus. H. R. Stratford. 1,686,938; Oct. 9.
- Surfacing element and manufacturing the same. H. C. Flohr and L. Ornstein. 1,695,276; Dec. 18.
- Surfacing machine. A. E. Maynard. 1,672,574; June 5.
- Surfacing machine. E. H. Reiber. 1,676,111; July 3.
- Surfacing machine, Electrically-actuated. G. Staehle. 1,677,533; July 17.
- Surfacing mechanism. A. E. Paige. 1,675,862; July 3.
- Surfacing plate glass, Apparatus for. J. H. Fox. 1,683,342; Sept. 4.
- Surfacing plate glass, Method and apparatus for. J. H. Fox. 1,686,742; Oct. 9.
- Surgical apparatus. B. T. Daggy. 1,682,266; Aug. 28.
- Surgical appliance. K. Epstein. 1,687,717; Oct. 16.
- Surgical appliance. E. McDonnell. 1,664,938; Apr. 3.
- Surgical baker. W. S. Edmonds. 1,667,775; May 1.
- Surgical headlight. M. Bornkessel. 1,688,113; Oct. 16.
- Surgical instrument. W. N. Allyn. 1,662,227; Mar. 13.
- Surgical instrument. G. A. Johnson. 1,663,761; Mar. 27.
- Surgical instrument. D. K. Rose. 1,677,209; July 17.
- Surgical instrument for implanting capillary seeds containing radium emanation. J. Muir. 1,655,157; Jan. 3.
- Surgical instrument for making ligatures. B. Fisher. 1,691,386; Nov. 13.
- Surgical instruments, Illuminating attachment for. C. C. Boehm. 1,654,634; Jan. 3.
- Surgical motor. A. Pfeiffer. 1,683,206; Sept. 4.
- Surgical needle. C. G. Shearon. 1,678,361; July 24.
- Surgical resection, Method and apparatus for. M. Stern. 1,679,950; Aug. 7.
- Surgical suturing instrument. J. A. Blake. 1,656,467; Jan. 17.
- Surgical telescope, Rearward-vision. R. H. Wappler. 1,695,672; Dec. 18.
- Surgical uses, Apparatus for. P. F. McMurdo. 1,696,496; Dec. 25.
- Surveying bore holes, Instrument for. L. B. Wright, A. B. Yates, and A. A. Lease. 1,684,337; Sept. 11.
- Surveying instrument. D. M. Burmister. 1,682,034; Aug. 28.
- Surveying instrument. T. Mariotti. 1,667,599; Apr. 24.
- Surveyor's device. R. McCormick. 1,675,946; July 3.
- Suspender attachment for overalls. C. A. Burgess. 1,673,662; June 12.
- Suspender-end loop. J. R. La Vigne. 1,687,370; Oct. 9.
- Suspenders. W. V. McNamara. 1,672,535; June 5.
- Suspenders. E. R. Norwood. 1,680,629; Aug. 14.
- Suspenders. A. Thies. 1,694,835; Dec. 11.
- Suspension bracket, Joist and rafter. E. S. Daniels. 1,657,243; Jan. 24.
- Suspension clip. J. H. Murphy. 1,687,581; Oct. 16.
- Suspension device. O. L. Bartlett. 1,571,006; May 22.
- Suspension device for maps, etc. J. W. Fontaine. 1,687,859; Oct. 16.
- Suspension device for maps and the like. C. Pedersen. 1,675,515; July 3.
- Suspension device for punching bags. J. T. Taudvin. 1,695,829; Dec. 18.
- Suspension device for wall charts. R. Harm. 1,692,502; Nov. 20.
- Suspension for motor vehicles, Spring. L. Newman. 1,679,050; July 31.
- Suspension hook, Foldable. J. W. Little. 1,661,837; Mar. 6.
- Suspension mechanism. J. C. Hanna. 1,662,856; Mar. 20.
- Suspensions, Method and apparatus for producing. F. J. E. China. 1,690,669; Nov. 6.
- Suspensory. A. Lewis. 1,686,869; Oct. 9.
- Suspensory. A. Tritsch. 1,686,943; Oct. 9.
- Swab. G. A. Humason. 1,695,494; Dec. 18.
- Swab. H. J. Quintrell. 1,656,290; Jan. 17.
- Swab assembly. C. S. Crickmer. 1,669,812; May 15.
- Swab cup. B. F. Zeigler, jr. 1,659,066; Feb. 14.
- Swab for deep wells. R. P. Watson. 1,674,812; June 26.
- Swage shaper. J. F. Fribnow. 1,680,256; Aug. 7.
- Swaging machine for artificial dentures. L. E. Eaton. 1,695,684; Dec. 18.
- Swash plate or slant-type reciproco-rotary mechanism. A. G. M. Michell. 1,666,539; Apr. 17.
- Swatter, Fly. W. H. A. Emanuel. 1,685,990; Oct. 2.
- Swatter, Fly. A. Olson. 1,677,046; July 10.
- Sweatband for head coverings. H. T. Blum. 1,683,234; Sept. 4.
- Sweatband for head coverings. H. T. Blum. 1,683,326; Sept. 4.
- Sweatbands, Making. H. Rappaport. 1,694,230; Dec. 4.
- Sweater. J. Zimmerman. 1,662,731; Mar. 13.
- Sweater garment. H. Moss. 1,681,809; Aug. 21.
- Sweep rake. J. H. Cope. 1,654,722; Jan. 3.
- Sweep rakes, Push off for. J. H. Cope. 1,684,264; Sept. 11.
- Sweeper and vacuum cleaner, Combined carpet. W. E. Sherbondy. 1,688,156; Oct. 16.
- Sweeper, Green. Q. A. Shaw. 1,674,306; June 19.
- Sweeper, Street. C. E. Sargent. 1,673,780; June 12.
- Sweeper, Vacuum. C. Aalborg. 1,656,031; Jan. 10.
- Sweeper, Vacuum. C. Aalborg. 1,668,035; May 1.
- Sweeper wheel, Wood-center. F. C. Mason. 1,680,950; Aug. 14.
- Sweepers and the like, Catcher attachment for lawn. A. J. Breedren. 1,664,659; Apr. 3.
- Swift. C. H. Cowan, jr. 1,668,492; May 1.
- Swimming apparatus. G. P. Hoppmann. 1,685,083; Sept. 25.
- Swimming apparatus. I. D. Perry. 1,684,714; Sept. 18.
- Swimming appliance. A. J. Schwalge. 1,674,801; June 26.
- Swimming attitude in the water, Apparatus for onward movement in. R. P. Van Alphen. 1,664,799; Apr. 3.
- Swimming bladder. F. Franke. 1,693,779; Dec. 4.
- Swimming circle. J. D. Tucker. 1,664,140; Mar. 27.
- Swimming device. F. Arnold. 1,663,328; Mar. 20.
- Swimming device. T. C. Englehart. 1,655,762; Jan. 10.
- Swimming device. S. Gates. 1,657,467; Jan. 31.
- Swimming device. W. Maxwell. 1,673,292; June 12.
- Swimming device. C. Meyer. 1,692,753; Nov. 20.
- Swimming device. H. Mohr. 1,675,372; July 3.
- Swimming device. M. Moránsky. 1,654,894; Jan. 3.
- Swimming device. T. Rensink. 1,695,125; Dec. 11.
- Swimming device. V. Speziale. 1,671,324; May 29.
- Swimming device. C. Spurges. 1,677,254; July 17.
- Swimming pool and amphitheater, Combined. J. F. Whitman. 1,657,598; Jan. 31.
- Swimming pool, Portable outdoor. P. Kirkham and G. A. Scheel. 1,664,887; Apr. 3.
- Swimming ring. A. J. Eldon. 1,659,248; Feb. 14.
- Swing. C. G. Haberman. 1,674,899; June 26.
- Swing. A. B. Newson. 1,674,517; June 19.
- Swing. G. A. Swanson. 1,659,223; Feb. 14.
- Swing, Aeroplane. H. J. Ferris. Dec. 76,611; Oct. 16.
- Swing, Amusement. C. Dahl. 1,680,970; Aug. 14.
- Swing attachment, Porch-. C. W. Lee. 1,689,397; Oct. 30.
- Swing, Convertible. C. Massey. 1,658,729; Feb. 7.
- Swing hook, Self-ohing. A. Speidel. 1,687,698; Oct. 16.
- Swing, Lawn. C. H. Brown. 1,683,237; Sept. 4.
- Swing, Playground. W. O. T. Watkins. 1,687,408; Oct. 9.
- Swing, Porch and lawn. L. G. Cook. 1,686,145; Oct. 2.
- Swing, Rotary. F. W. Oltersdorf. 1,663,278; Mar. 20.
- Swinging joint. J. A. Albertoni. 1,657,987; Jan. 31.
- Swinging seat. O. L. Lethander. 1,696,312; Dec. 25.
- Swings, Stand or support for. W. H. Patton. 1,677,844; July 17.
- Switch: See—
- Automatic switch. Fluid-break switch.
- Auxiliary switch. Fuse-controlled switch.
- Battery switch. Fused switch.
- Centrifugal switch. Fusible switch.
- Clock-controlled switch. Governor-operated switch.
- Combination switch. High-voltage switch.
- Contact switch. Ignition and lighting switch.
- Control switch. Ignition switch.
- Controlled switch. Indicator switch.
- Controlling switch. Intermittent thermal switch.
- Current switch. Latch switch.
- Dash switch. Light-dimmer switch.
- Dimmer wall switch. Lighting and ignition switch.
- Discharge switch. Liquid-flow switch.
- Disconnecting switch. Liquid switch.
- Door-operated switch. Lock switch.
- Double-throw switch. Magnet switch.
- Electric rain switch. Magnetic switch.
- Electric snap switch. Mail-box switch.
- Electric switch. Mercury switch.
- Electric track switch. Motor-control switch.
- Electrical switch. Electrothermostatic switch. Motor-starting switch.
- Elevator-control switch. Filament switch. Oil switch.
- Fixture-body switch. Floor switch. Plane switch.

Switch: See—

Progress switch.
Pull switch.
Push-button switch.
Quick-make and quick-break switch.
Radio wave switch.
Railroad switch.
Railway switch.
Resistance switch.
Reversing switch.
Rotary line switch.
Rotary switch.
Safety switch.
Selector switch.
Series switch.
Short-circuiting switch.
Signal-control switch.
Signal switch.
Snap switch.
Speed signal switch.
Spotlight switch.
Stop-signal switch.
Switch. C. Aalborg. 1,669,545; May 15.
Switch. A. W. Albers. 1,665,156; Apr. 3.
Switch. L. C. Alexander. 1,658,545; Feb. 7.
Switch. A. H. Bayne. 1,683,231; Sept. 4.
Switch. E. T. Bennington. 1,694,578; Dec. 11.
Switch. J. W. Bishop. 1,682,211; Aug. 28.
Switch. C. Bruynis. 1,658,511; Feb. 7.
Switch. E. H. Freeman. 1,682,007; Aug. 28.
Switch. H. Gernsback. 1,695,957; Dec. 18.
Switch. M. Guett. 1,680,100; Aug. 7.
Switch. W. A. Heinrich. 1,689,527; Oct. 30.
Switch. H. D. James. 1,686,851; Jan. 17.
Switch. M. E. Johnson. 1,656,588; Jan. 17.
Switch. D. N. Jones. 1,656,582; Jan. 17.
Switch. H. L. Joyce. 1,675,352; July 3.
Switch. J. K. Kahaleolu. 1,691,291; Nov. 13.
Switch. L. Kellner. 1,671,294; May 29.
Switch. J. B. Milano. 1,686,289; Oct. 2.
Switch. E. M. Soreng. 1,663,770; Mar. 27.
Switch. J. Templeton. 1,658,952; Feb. 14.
Switch. A. E. Walsh. 1,694,569; Dec. 11.
Switch. C. E. Wilson. 1,678,893; July 31.
Switch. H. A. Woofter. 1,675,683; July 3.
Switch. G. A. Yanochowski. 1,666,763; Apr. 17.
Switch and coupler for electrical and auxiliary air lines, Combined cross-connecting. H. E. Van Dorn. 1,660,180; Feb. 21.
Switch and lock mechanism, Railway. J. R. McKinnis. 1,689,288; Oct. 30.
Switch and plug receptacle, Combined. F. C. De Reamer. 1,669,120; May 8.
Switch and signaling device. T. Davis and L. E. Gardt. 1,655,759; Jan. 10.
Switch apparatus. J. H. Dilks. 1,685,070; Sept. 18.
Switch apparatus, Remote-control. C. W. Bates. 1,674,757; June 26.
Switch arrangement for electric-light installations and the like. R. Hürlimann. 1,692,124; Nov. 20.
Switch attachment, Electric. C. G. Fisher. 1,674,966; June 26.
Switch bar. J. D. Turner. 1,689,699; Oct. 30.
Switchboard and template structure, Electric. J. W. Hooley. 1,671,824; May 29.
Switchboard mounting of circuit-breaker units. W. M. Scott. 1,694,398; Dec. 11.
Switchboard, Safety. J. F. Burns. 1,665,126; Apr. 3.
Switchboards, Fitting for tubular. H. A. Selah. 1,678,879; July 31.
Switch box. G. R. Hebden. 1,686,969; Oct. 9.
Switch box. J. L. Lane. 1,662,275; Mar. 13.
Switch box. G. E. Palmer and E. G. Johansson. 1,685,462; Sept. 25.
Switch box. O. S. Schairer. 1,674,023; June 19.
Switch box. H. R. Van Deventer and R. M. Warren. 1,674,028; June 19.
Switch box and support for a hand telephone, Combined. H. F. Obergfell. Des. 74,985; Apr. 24.
Switch box, Electric. H. E. Leppert. 1,687,165; Oct. 9.
Switch box, Sectional. E. H. Kruse. 1,672,263; June 5.
Switch circuit, Connector. H. M. Bascom. 1,674,677; June 26.
Switch connection for railroads, Adjustable trailing. N. D. Preston. 1,678,618; July 24.
Switch construction. R. B. Benjamin and C. E. Warner. 1,666,925; Apr. 24.
Switch construction. C. E. Warner. 1,679,846; Aug. 7.
Switch construction, Push-button. F. Staedel. 1,696,151; Dec. 18.
Switch contact. C. T. Hanna. 1,673,746; June 12.
Switch control, Thermostatic. J. C. Goosmann. 1,671,985; June 5.
Switch-controlling device. G. H. Middlemiss. 1,694,448; Dec. 11.
Switch-controlling device. R. F. Stehlik. 1,662,041; Mar. 6.
Switch device. E. W. Powell. 1,687,994; Oct. 16.
Switch extension attachment, Engine-starting. E. F. Bennett. 1,692,883; Nov. 27.
Switch for automobile stop lights. B. V. Ogden. 1,658,207; Feb. 7.
Switch for cable-carrying drums, Automatic electric. J. H. Cohen. 1,665,021; Apr. 3.

Tap switch.
Temperature-control switch.
Theft signal switch.
Thermal control switch.
Thermoelectric switch.
Thermostatic overload switch.
Thermostatic switch.
Thermostatically-actuated switch.
Thermostatically-operated switch.
Time-controlled switch.
Time switch.
Timing switch.
Toggle break switch.
Toy electric railroad switch.
Track switch.
Vehicle-operated switch.
Vehicle signal switch.

Switch for electric lights, Clock and time controlled. F. Grossl. 1,692,729; Nov. 20.
Switch for induction motors, Automatic safety. G. Speiser. 1,695,866; Dec. 18.
Switch for motor control, Snap. R. M. Galloway and P. C. Burton. 1,678,725; July 31.
Switch for oil-well motors, Automatic. W. Werner. 1,663,578; Mar. 27.
Switch handle, Rotary. A. W. Clauder. 1,677,706; July 17.
Switch heater. C. W. Moffett and M. R. Briney. 1,664,371; Mar. 27.
Switch-heating apparatus. M. J. Griffith. 1,662,368; Mar. 13.
Switch-lock device. E. W. Powell. 1,695,900; Dec. 18.
Switch mechanism. W. S. Anderson. 1,665,429; Apr. 10.
Switch mechanism. H. K. Ansingh. 1,658,913; Feb. 14.
Switch mechanism. H. G. Baxter and H. K. Krantz. 1,677,323; July 17.
Switch mechanism. T. E. Griffith. 1,679,355; Aug. 7.
Switch mechanism. T. E. Griffith and L. L. Dodds. 1,657,714-15; Jan. 31.
Switch mechanism. C. H. Hodgkins. 1,678,858; July 31.
Switch mechanism. W. R. Huttinger. 1,685,068; Sept. 18.
Switch mechanism. J. H. Kendig. 1,678,862; July 31.
Switch mechanism. J. B. MacNeill, A. H. Bakken, and C. A. Tucker. 1,686,706; Oct. 9.
Switch mechanism. L. R. Ruthenburg. 1,674,663; June 26.
Switch mechanism. M. J. Sandin. 1,678,878; July 31.
Switch mechanism. W. R. Walker. 1,658,619; Feb. 7.
Switch mechanism. W. R. Walker. 1,658,621; Feb. 7.
Switch mechanism. G. H. Whittingham. 1,692,604; Nov. 20.
Switch mechanism. E. M. Wilcox. 1,671,175; May 29.
Switch mechanism. P. F. Williams and J. Rah. 1,656,407; Jan. 17.
Switch mechanism, Automatic. C. H. Wolff. 1,663,325; Mar. 20.
Switch mechanism, Direction-indicating. J. Geyer and J. Switzer. 1,683,970; Sept. 11.
Switch mechanism, Electric flasher. C. H. Bissell. 1,676,850; July 10.
Switch mechanism, High-tension. D. Beattie. 1,691,837; Nov. 13.
Switch mechanism, Inclosed. O. S. Jennings and F. G. von Hoorn. 1,680,418; Aug. 14.
Switch mechanism, Rotary. G. R. Townsend. 1,677,008; July 10.
Switch member and producing the same. H. A. Hartranft. 1,672,123; June 5.
Switch mounting. D. D. Gordon. 1,693,382; Nov. 27.
Switch mounting. W. R. Walker. 1,695,260; Dec. 11.
Switch movement. C. M. Petersen. 1,690,430; Nov. 6.
Switch movement, Snap. R. Boelter and E. Bartz. 1,684,257; Sept. 11.
Switch-operating means. A. M. Melahn. 1,686,633; Oct. 9.
Switch-operating mechanism. C. Aalborg. 1,686,721; Oct. 9.
Switch-operating mechanism. C. H. Bourgeois. 1,691,915; Nov. 20.
Switch-operating mechanism. J. H. Dilks. 1,685,069; Sept. 18.
Switch-operating mechanism. A. F. C. Lotz. 1,672,494; June 5.
Switch-operating mechanism. A. F. C. Lotz. 1,692,045; Nov. 20.
Switch-operating mechanism. C. F. Parker. 1,663,138; Mar. 20.
Switch-operating mechanism. W. I. Wands. 1,665,047; Apr. 3.
Switch-operating mechanism, Electric. C. D. Ainsworth. 1,675,290; June 26.
Switch-operating mechanism, Electric. W. K. Rankin. 1,696,582; Dec. 25.
Switch operator selector. C. W. Prescott. 1,666,911; Apr. 24.
Switch or receptacle plate. T. A. Both. 1,694,054; Dec. 4.
Switch plate and switch-operating element, Combined. G. S. Hunt. Des. 74,373; Feb. 7.
Switch plug. H. Hubbell. 1,679,722; Aug. 7.
Switch plug, Thermostatic. C. Arnesen. 1,689,007; Oct. 23.
Switch-point depressor and hold-down device. P. Cameli. 1,682,597; Aug. 28.
Switch-point guard. A. T. Palmer. 1,686,342; Oct. 2.
Switch-point operating and locking mechanism. H. W. Pillatos. 1,656,498; Jan. 17.
Switch-point protector. E. R. Packer. 1,674,178; June 19.
Switch-point protector. J. C. Patterson and J. H. Lynch, Jr. 1,661,733; Mar. 6.
Switch points, Base plate and filler block for. R. W. Waits. 1,658,109; Feb. 7.
Switch stand. L. R. Shaffer. 1,657,689; Jan. 31.
Switch stand, Automatic. W. M. Gray. 1,661,695; Mar. 6.
Switch stand, Automatic. W. M. Gray. 1,677,388; July 17.
Switch stand, Safety. P. Frandsen. 1,681,475; Aug. 21.
Switch structure. R. C. Deale. 1,660,865; Feb. 28.

- Switch system, Safety. W. C. Davis, jr. 1,684,618; Sept. 18.
- Switch-throwing device. G. Millward. 1,670,472; May 22.
- Switch-throwing device. J. L. Milton. 1,685,172; Sept. 25.
- Switching apparatus. L. T. Barnes. 1,664,586; Apr. 3.
- Switching apparatus. L. T. Barnes. 1,688,848; Oct. 23.
- Switching apparatus. H. J. H. Huber. 1,673,748; June 12.
- Switching apparatus. R. D. Mailey. 1,676,791; July 10.
- Switching apparatus. W. M. Scott and J. H. Wyatt. 1,688,754; Oct. 23.
- Switching apparatus and system. J. L. Reynolds. 1,662,168; Mar. 13.
- Switching-cord reel, Automatic. J. J. Gough. 1,665,737; Apr. 10.
- Switching device. A. P. Ball. 1,664,845; Apr. 3.
- Switching device. E. R. Edson. 1,669,741; May 15.
- Switching device. G. Werner. 1,669,434; May 15.
- Switching device. W. D. Wood. 1,679,109; July 31.
- Switching device, Automatic train-. I. I. Litvinchev. 1,691,296; Nov. 13.
- Switching device, Electric. M. W. Cooke and O. Williams. 1,685,149; Sept. 25.
- Switching means for effecting electrotherapeutic treatment. M. R. Waggoner. 1,693,734; Dec. 4.
- Switching mechanism. W. A. Daly and E. L. Dunn. 1,686,683; Oct. 9.
- Switching mechanism. C. F. A. Eddy. 1,689,118; Oct. 23.
- Switching mechanism. W. M. Scott. 1,657,486; Jan. 31.
- Switching mechanism. W. M. Scott. 1,657,688; Jan. 31.
- Switching mechanism. H. Sengbusch. 1,691,256; Nov. 13.
- Switching mechanism. J. Wicks. 1,674,421; June 19.
- Switching mechanism, Car-operated. P. H. Crago. 1,694,409; Dec. 11.
- Switching mechanism, Electrical. H. E. Stork. 1,671,845; May 29.
- Switching system. R. G. Berthold. 1,690,524; Nov. 6.
- Switching system. P. B. Murphy. 1,673,015; June 12.
- Switching system, Automatic. A. E. Anderson. 1,681,158; Aug. 21.
- Switching system, Automatic. A. Barnay. 1,678,318; July 24.
- Switching system, Automatic. W. N. Gittings. 1,677,715; July 17.
- Switching system for telephone exchanges, Machine. C. F. McCann. 1,688,725; Oct. 23.
- Switches, Control means for. J. K. Duncan. 1,674,892; June 26.
- Switches, Control of electric. A. E. Anderson. 1,695,003; Dec. 11.
- Switches, etc., Push button for, electric. B. W. Nutt. 1,656,952; Jan. 24.
- Switches for transmission lines, Disconnecting. A. O. Austin. 1,690,357; Nov. 6.
- Switches, Operating means for rotary. V. R. Despard and H. C. R. Popp. 1,669,373; May 8.
- Swivel caster. D. W. Perin. Re16,864; Jan. 31.
- Swivel connection. P. M. O'Neill. 1,661,495; Mar. 6.
- Swivel coupling. E. W. Davis. 1,685,351; Sept. 25.
- Swivel head for coil-pulling machines. L. B. Schmerber. 1,685,959; Oct. 2.
- Swivel hook. C. K. Holt. 1,657,260; Jan. 24.
- Swivel motor. F. T. Irgens. 1,661,369; Mar. 6.
- Swivel wheel. H. G. French and E. W. McSheen. 1,661,889; Mar. 6.
- Swiveling chair. A. J. Adams. 1,674,081; June 19.
- Swiveling chair. A. J. Adams. 1,691,035; Nov. 13.
- Symmetrical diarylated guanidine compounds. H. Schotte. 1,672,431; June 5.
- Synchronism between picture and music in cinematographic performances, Apparatus for obtaining. A. Beeneken. 1,683,753; Sept. 11.
- Synchronism-indicating means. E. D. Cook. 1,688,790; Oct. 23.
- Synchronization in multiplex signaling. S. Brand. 1,669,450; May 15.
- Synchronizing apparatus. W. Brückel. 1,683,158; Sept. 4.
- Synchronizing device. L. F. Kennedy. 1,680,739; Aug. 14.
- Synchronizing device. O. C. Traver. Re16,966; May 15.
- Synchronizing device. O. C. Traver. 1,680,707; Aug. 14.
- Synchronizing device. O. C. Traver. 1,680,754; Aug. 14.
- Synchronizing device. F. H. Winter. 1,680,756; Aug. 14.
- Synchronizing individually-driven parts at a transmitter and a receiver station, Device for. H. Rassow. 1,683,301; Sept. 4.
- Synchronizing mechanism. E. A. Sperry. 1,656,962; Jan. 24.
- Synchronizing system. A. F. Connery. 1,679,852; Aug. 7.
- Synchronizing two or more rotating bodies. W. Bock. 1,688,916; Oct. 23.
- Synchroscope. K. H. May. 1,659,606; Feb. 21.
- Synchronous motor. V. A. Fynn. 1,667,514; Apr. 24.
- Synchronous motor. V. A. Fynn. 1,668,272-3; May 1.
- Synchronous motor. V. A. Fynn. 1,669,082-3; May 8.
- Synchronous motor. V. A. Fynn. 1,670,031; May 15.
- Synchronous motor, Self-starting. C. I. Hall. 1,668,365; May 1.
- Synthesis of ammonia, Apparatus for the. G. Claude. 1,686,799; Oct. 9.
- Synthetic production of ammonia from the elements, Apparatus for the. I. W. Cederberg. 1,673,966; June 19.
- Syringe. L. C. Berg. 1,692,922; Nov. 27.
- Syringe. H. Brix. 1,667,454; Apr. 24.
- Syringe. H. K. Brown. 1,694,766; Dec. 11.
- Syringe. J. and R. Courmand. 1,685,984; Oct. 2.
- Syringe. G. N. Hein. 1,687,091; Oct. 9.
- Syringe. L. S. Morgan. 1,658,296; Feb. 7.
- Syringe. J. W. Robinson. 1,694,233; Dec. 4.
- Syringe and cartridge therefor, Hypodermic. H. S. Cook. 1,661,818; Mar. 6.
- Syringe and medicine dropper. W. F. Ware. 1,696,560; Dec. 25.
- Syringe and retaining same, Hypodermic. G. N. Hein. 1,683,349; Sept. 4.
- Syringe, Bulb for hydrometer. W. A. Reynolds. 74,760; Mar. 20.
- Syringe, Collapsible ampul. E. H. Marcy. 1,687,502; Oct. 16.
- Syringe, Expandible vaginal. A. Dolmatch. 1,666,197; Apr. 17.
- Syringe, Fountain. J. Russell. 1,655,664; Jan. 10.
- Syringe, Hypodermic. W. P. Anthony. 1,676,881; July 10.
- Syringe, Hypodermic. H. S. Cook. 1,687,324; Oct. 9.
- Syringe, Hypodermic. H. S. Cook. 1,694,767; Dec. 11.
- Syringe, Hypodermic. J. T. Greeley. 1,668,588; May 8.
- Syringe, Hypodermic. A. A. Laurent. 1,655,909; Jan. 10.
- Syringe, Inverted hypodermic. G. N. Hein. 1,670,570; May 22.
- Syringe, Local anæsthetic. G. P. Pitkin. 1,681,744; Aug. 21.
- Syringe, Measuring. F. A. Voos. 1,654,905; Jan. 3.
- Syringe, Powder-placing. L. L. Findley. 1,685,280; Sept. 25.
- Syringe shield. W. E. Stewart. 1,667,273; Apr. 24.
- Syringe, Vaginal. H. Meldrum. 1,670,160; May 15.
- Syringes, Coupling and locking device for. G. N. Hein. 1,668,315; May 1.
- Syringes, Plunger clip for. A. Marschalek. 1,678,991; July 31.
- Syringes, Tip for hydrometer. M. S. Lower. 1,678,600; July 24.
- System of distribution. D. C. Prince. 1,665,893; Apr. 10.
- T square. N. O. Cochran. 1,662,490; Mar. 13.
- Table: See—
- | | |
|-------------------------------|----------------------------------|
| Adjustable table. | Ironing-machine table. |
| Auto table. | Ironing table. |
| Bathtub table. | Knockdown table. |
| Bed table. | Laboratory table. |
| Billiard table. | Lap table. |
| Buffet table. | Laundry-classifying table. |
| Card table. | Meat-cutting table. |
| Collapsible table. | Metal table. |
| Combination table. | Operating table. |
| Concentrating table. | Over-the-bed table. |
| Concentrator table. | Picking table. |
| Convertible table. | Revolving table. |
| Cutting table. | Roll table. |
| Dining and billiard table. | Sales table. |
| Drafting table. | Service table. |
| Dry separating table. | Sewing-machine table. |
| Dumping table. | Sorting table. |
| Embalming table. | Steam table. |
| Extension table. | Take-down table. |
| Foldable table. | Tension and physiotherapy table. |
| Folding table. | Toy pool table. |
| Glass-cutting table. | Tracing table. |
| Grinding and polishing table. | Treatment table. |
| Health table. | Wall table. |
| Ironing-board table. | |
- Table. O. B. Bach. Des. 75,462; June 12.
- Table. L. Bernhard. Des. 74,473; Feb. 21.
- Table. R. F. Burwell. 1,683,711; Sept. 11.
- Table. F. W. Gibson. 1,676,217; July 3.
- Table. W. H. Harvey. 1,655,788; Jan. 10.
- Table. E. Hauser. Des. 75,912; July 31.
- Table. G. Holt. Des. 75,730; July 10.
- Table. C. Kuehn. 1,688,818; Oct. 23.
- Table. E. Rhodes. 1,661,853; Mar. 6.
- Table. R. Rychtarik. Des. 76,156; Aug. 21.
- Table. F. Schwartz. Des. 76,328; Sept. 11.
- Table. E. C. Shafer. 1,672,100; June 5.
- Table. M. M. Sutton. Des. 76,070; Aug. 14.
- Table. H. Turk. 1,689,645; Oct. 30.
- Table. L. E. Wackerle. Des. 75,754; July 10.
- Table. A. F. Warnock. 1,689,652; Oct. 30.
- Table and bench, Combination. V. R. Hisey and E. R. Finch. 1,657,307; Jan. 24.
- Table and cabinet, Combination dining. C. Dolph. 1,688,456; Oct. 23.
- Table and cabinet, Console. A. S. Katz. Des. 74,836; Apr. 3.
- Table and cabinet, Convertible automobile. N. A. Reinhard. 1,682,145; Aug. 28.
- Table and casing for a washing machine or the like, Combined. M. A. Desfauvaux. Des. 75,830; July 24.
- Table and chair structure. W. S. Phillips. 1,690,594; Nov. 6.
- Table and drawers for beds. M. E. Hendricks. 1,691,847; Nov. 13.
- Table and ironing board, Combined. A. F. Lind. 1,691,821; Nov. 13.
- Table and ironing-machine support, Combined. F. M. Case. 1,663,792; Mar. 27.

- Table and lamp, Combined. D. C. Noggins. Des. 76,319; Sept. 11.
- Table attachment, Sewing. C. Bitzer. 1,695,082; Dec. 11.
- Table-control mechanism. G. A. De Vlieg. 1,686,268; Oct. 2.
- Table cover or similar article. H. W. Dieck. Des. 75,775-81; July 17.
- Table cover or similar article. H. W. Dieck. Des. 76,007; Aug. 14.
- Table cover or similar article. H. W. Dieck. Des. 76,736; Oct. 30.
- Table extension, Card-. W. Hueter. 1,655,607; Jan. 10.
- Table for automatic paper-sheet feeders. Laterally adjustable. E. G. Staude. 1,671,638; May 29.
- Table for carrying stone for cutting. W. J. Allen. 1,685,661; Sept. 25.
- Table for infants, Bathing. L. Peabody. 1,663,609; Mar. 27.
- Table for ironing machines, Folding. M. Hedglon. 1,687,767; Oct. 16.
- Table for presses, Folding feed. F. S. English. 1,682,668; Aug. 28.
- Table for radio receiving sets and the like. F. Schwartz. Des. 74,947-8; Apr. 17.
- Table for radio receiving sets or the like. F. Schwartz. Des. 76,640-1; Oct. 16.
- Table for radio receiving sets or the like. F. Schwartz. Des. 77,189; Dec. 11.
- Table for skin-drying plates, Turning. E. A. De Graff. 1,694,531; Dec. 11.
- Table for typewriters, Cover. C. A. Gourlay. 1,675,648; July 3.
- Table fork. M. H. Forsyth. Des. 75,157; May 15.
- Table heater, Fitting. E. J. Ovington. 1,654,599; Jan. 3.
- Table or article of similar nature. B. Dyer. Des. 74,173; Jan. 3.
- Table or similar article. J. J. Heyman. Des. 75,726-28; July 10.
- Table or similar article. J. J. Heyman. Des. 75,843-4; July 24.
- Table or similar article. J. J. Heyman. Des. 76,615; Oct. 16.
- Table or similar article. J. H. Heyman. Des. 76,682-4; Oct. 23.
- Table or similar article, Billiard. A. H. Bechtol. Des. 74,592; Mar. 6.
- Table or stand. L. E. Wackerle. 1,696,871; Dec. 25.
- Table ornament or analogous article. L. Zweig. Des. 74,409; Feb. 7.
- Table pad. L. M. Arnpol. 1,661,987; Mar. 6.
- Table set. J. Theobald. Des. 76,434; Sept. 25.
- Table set. J. G. Theobald. Des. 76,564-5; Oct. 9.
- Table set. J. G. Theobald. Des. 76,719; Oct. 23.
- Table, shelf, or rack, Wall. F. C. Dobert. 1,667,657; Apr. 24.
- Table top. H. T. Smith. Des. 77,262; Dec. 18.
- Table top. M. C. Wood and G. B. French. Des. 75,538; June 12.
- Table-top construction. L. G. Copeman. 1,656,422; Jan. 17.
- Table-top construction. L. G. Copeman. 1,667,723; May 1.
- Table top, Decorative. F. Sohn and L. G. Marmion. Des. 74,702; Mar. 13.
- Table top, Metal. J. E. Gloekler. 1,664,292; Mar. 27.
- Table top or article of similar nature. B. Dyer. Des. 76,858; Nov. 13.
- Table-top support. C. D. Meeker. 1,671,736; May 29.
- Table torchère or analogous article. L. Zweig. Des. 74,289; Jan. 17.
- Tableware, Mark-exhibiting device for. S. L. Maxon. 1,670,159; May 15.
- Tables, Extension-leaf construction for. D. G. Anderson. 1,662,228; Mar. 13.
- Tables, Extension-leaf construction for permanent-top. G. W. Krick. 1,695,110; Dec. 11.
- Tablet. H. Günzler and O. Neubert. 1,658,122; Feb. 7.
- Tablet, Telephone writing. L. D. Cherry. 1,660,186; Feb. 21.
- Taboret. R. Rychtarik. Des. 76,897; Nov. 13.
- Tabouret. G. Bergstrom. Des. 76,980; Nov. 27.
- Tabulating machines, Analyzer unit for. W. W. Lasker. 1,677,897; July 24.
- Tabulating machines, Feeding mechanism for. J. Powers. 1,665,218; Apr. 10.
- Tabulating stops, Selective multiple. E. J. Ens. 1,681,472; Aug. 21.
- Tabulator, Printing. C. D. Lake. 1,680,740; Aug. 14.
- Tachometer drive. H. E. Collins. 1,671,012; May 22.
- Tack and brad driver. W. R. McCluney. 1,690,588; Nov. 6.
- Tack-handling mechanism. M. Brock and T. H. Seely. 1,658,074; Feb. 7.
- Tack lifter. W. E. Gaby. 1,680,607; Aug. 14.
- Tack puller and driver. G. H. Fahrenbruch. 1,688,537; Oct. 23.
- Tack-pulling apparatus. F. H. Warren. 1,658,822; Feb. 14.
- Tack-pulling machine. C. N. Spinney and F. L. Mackenzie. 1,682,808; Sept. 4.
- Tack, Thumb. H. C. Karst. 1,678,473; July 24.
- Tack, Thumb. T. Tanaka. 1,693,875; Dec. 4.
- Tactical indicator. H. J. Nichols. 1,692,686; Nov. 20.
- Tag. O. C. Richardson. 1,694,723; Dec. 11.
- Tag. W. E. Webb and E. P. Williams. 1,663,185; Mar. 20.
- Tag. C. Wendell. 1,694,998; Dec. 11.
- Tag and rotary process for making same, Reenforced. H. W. Eastman. 1,658,328; Feb. 7.
- Tag, Animal. C. R. Boshart. 1,691,838; Nov. 13.
- Tag, Checking. A. E. and A. G. Wright. 1,679,699; Aug. 7.
- Tag, Laundry-marking. E. J. Carroll and G. W. Johnson. 1,687,361; Oct. 9.
- Tag or similar article. J. H. Schaeffer. Des. 76,056; Aug. 14.
- Tag, Price. F. Kohnle. 1,669,390; May 8.
- Tag, Shipping. S. Noguchi. 1,682,851; Sept. 4.
- Tag, Shipping. S. N. Tevander. 1,691,090; Nov. 13.
- Tag, Shipping. P. W. Turrentine. 1,668,704; May 8.
- Tag-gate construction. E. R. Barrett. 1,672,111; June 5.
- Tagpiece, Extension. A. D. Grover. 1,676,546; July 10.
- Tailstock-clamping means. G. E. Greenleaf. 1,656,351; Jan. 17.
- Tailstock for automatic lathes. J. J. Thacher. 1,690,601; Nov. 6.
- Take-down table. A. T. Shrader. 1,675,827; July 3.
- Take-up device. S. A. Slauson. 1,666,948-9; Apr. 24.
- Take-up for connecting rods, Automatic. J. Kriz, jr. 1,682,011; Aug. 28.
- Take-up for leveler bars, Automatic rope. I. D. Thomas and P. H. Douglas. 1,675,917; July 3.
- Talking machine. H. L. T. Buckle. 1,683,160; Sept. 4.
- Talking machine. E. T. Kieffer. 1,696,683; Dec. 25.
- Talking machine. C. Moccia. 1,662,584; Mar. 13.
- Talking machine, Electromagnetic. W. Hornauer. 1,665,784; Apr. 10.
- Talking machine employing large diaphragm. L. Lumiere. 1,671,536; May 29.
- Talking machine employing large diaphragm. L. Lumiere. 1,689,286; Oct. 30.
- Talking machine, Portable. A. Stechbart. Re16,993; June 12.
- Talking machine, Portable cabinet. H. W. K. de Brey. 1,666,054; Apr. 10.
- Talking machines and the like, Driving mechanism for. W. J. Shelton. 7,673,847; June 19.
- Talking machines and the like, Repeating and stopping device for. F. B. Mitchell. 1,654,824; Jan. 3.
- Talking machines, Driving mechanism for. W. W. Moyer. 1,676,660; July 10.
- Talking machines, Picture exhibitor for. F. Adams. 1,658,030; Feb. 7.
- Talking machines, Resilient mounting for the stylus holder of. J. Durham. 1,695,418; Dec. 18.
- Talking machines, Sound-reproducing apparatus for disk record. C. Parolini and G. Perron. 1,655,196; Jan. 3.
- Talking machines, Stopping means adapted to. E. N. Waterworth. 1,659,847; Feb. 21.
- Talking machines, Stopping means of. E. N. Waterworth. 1,685,471; Sept. 25.
- Tamping machine. J. D. Abram. 1,677,422; July 17.
- Tamping machine. C. S. Emert. 1,662,380; Mar. 13.
- Tamping machine. A. J. Penote. 1,684,882; Sept. 18.
- Tandem joint, Universal. M. W. Wysong. 1,686,196; Oct. 2.
- Tank: See—
- Brine tank. Liquid-supply tank.
- Car tank. Locomotive-tender tank.
- Closet-flushing tank. Oil tank.
- Cooling tank. Plating tank.
- Dispensing tank. Pressure tank.
- Exhaust tank. Septic tank.
- Fighting tank. Storage tank.
- Fluid-pressure tank. Supply tank.
- Flush tank. Test tank.
- Flushing tank. Testing tank.
- Fountain tank. Vacuum tank.
- Glass-melting tank. Vehicle tank.
- Ice-freezing tank. Washing tank.
- Knockdown tank. Welded tank.
- Tank. C. P. Eisenbauer. 1,678,770; July 31.
- Tank and cabinet, Combined flush. B. O. Tilden. Des. 75,703; July 3.
- Tank attachment, Fuel-. J. H. Collier and E. D. Chisum. 1,684,475; Sept. 18.
- Tank baffle, Oil-. A. R. Peters. 1,694,668; Dec. 11.
- Tank breather, Oil-storage-. G. H. Bowlus. 1,678,376; July 24.
- Tank cap, Gas-. H. E. Tate, J. E. King, and H. Barber. 1,689,979; Oct. 30.
- Tank-car-dome closure. R. W. Joy. 1,665,368; Apr. 10.
- Tank cover. J. T. Maguire. 1,669,877; May 15.
- Tank cover, Leakproof. W. T. Van Orman. 1,662,018; Mar. 6.
- Tank-discharge-controlling mechanism. N. A. Carlson. 1,694,407; Dec. 11.
- Tank filling and venting means. W. A. Daniel. 1,655,312; Jan. 3.
- Tank-filling device, Fuel-. S. F. Czerner. 1,673,348; June 12.
- Tank-filling tube. L. Kessler. 1,663,947; Mar. 27.
- Tank fitting, Gasoline-storage-. A. P. Moran. 1,665,106; Apr. 3.
- Tank for fowls, Scalding. D. E. Shrauger. 1,660,583; Feb. 28.
- Tank for fowls, Semiscalding. S. S. Barker and A. W. Bruce. 1,672,555; June 5.

- Tank for inflammable liquids. P. B. Ashworth. 1,691,509; Nov. 13.
- Tank for liquids, Storage. S. Moser. 1,693,857; Dec. 4.
- Tank for water softeners, Brine. O. R. Sweeney. 1,693,829; Dec. 4.
- Tank furnace, Continuous. W. K. Brownlee. 1,670,098; May 15.
- Tank gauge. G. R. Gould. 1,656,705; Jan. 17.
- Tank gauge. C. F. Kokemiller. 1,683,557; Sept. 4.
- Tank-gauging apparatus. A. Kinzbach. 1,682,286; Aug. 28.
- Tank heater, Oil-burning stock. E. Wykes. 1,690,659; Nov. 6.
- Tank insulation, Oil-. R. T. Kemper. 1,675,354; July 3.
- Tank insulator. W. K. Sparks. 1,674,842; June 26.
- Tank mounting. J. W. Heiney. 1,658,923; Feb. 14.
- Tank openings, Locked closure for. J. H. Falster. 1,663,296; Mar. 20.
- Tank-pressure control. S. D. Clithero. 1,671,275; May 29.
- Tank-sealing means. C. F. Bertschinger. 1,661,404; Mar. 6.
- Tank structure. G. M. Eaton. 1,680,412; Aug. 14.
- Tank structure. L. H. Hill. 1,684,059; Sept. 11.
- Tank valve mechanism. A. L. Betts. 1,654,630; Jan. 3.
- Tank vent, flame arrester, and snuffer, Combination. G. C. Schmidt and F. G. D. Muller. 1,672,042; June 5.
- Tanks, Adjustable swing pipe for liquid-storage. J. H. Wiggins. 1,668,793; May 8.
- Tanks and regulators, Antifreezing connection for. J. Harris. 1,662,263; Mar. 13.
- Tanks, Depth gauge for automobile fuel. L. H. Wheeler. 1,658,067; Feb. 7.
- Tanks, End structure for. A. Davis, jr. 1,689,329; Oct. 30.
- Tanks, Floating deck for liquid storage. J. H. Wiggins. 1,662,225; Mar. 13.
- Tanks, Glass melting and refining. G. E. Stickler. 1,668,700; May 8.
- Tanks, Safety attachment for. J. Cohn. Re16,994; June 12.
- Tanks, Safety device for. H. T. Scott and L. E. Rone. 1,678,605; July 24.
- Tanks, Valve for. J. Harris. 1,656,375; Jan. 17.
- Tankard. H. W. Moore. Des. 75,743; July 10.
- Tannery waste, Purifying. J. T. Travers. 1,672,586; June 5.
- Tanning and making the same, Material for. C. J. Herrly and A. M. Matheson. 1,695,655; Dec. 18.
- Tanning hides. K. H. Meyer and H. Schütte. 1,678,998; July 31.
- Tap. J. R. Saylor. 1,688,209; Oct. 16.
- Tap changer. G. H. Tuttle. 1,678,129; July 24.
- Tap changer. G. H. Tuttle. 1,684,650; Sept. 18.
- Tap-changer system. W. M. Dann, L. H. Hill, and E. F. Sipher. 1,695,886; Dec. 18.
- Tap extractor, Broken-. D. Pearce. 1,683,796; Sept. 11.
- Tap or cock, Screw-down. G. N. Sperry. 1,685,465; Sept. 25.
- Tap, Roughing. H. M. Allison. 1,668,751; May 8.
- Tap-splitting machine. W. J. Rancourt. Re17,122; Oct. 30.
- Tap switch, Multiple-. H. F. Christie. 1,670,189; May 15.
- Tap, Thread-cutting. O. A. A. Tenow. 1,679,234; July 31.
- Tapper and protector for toe-dancing shoes. W. J. Haney. 1,684,442; Sept. 18.
- Tapping machine, Automatic. J. R. Saylor. 1,656,758-9; Jan. 17.
- Tapping machine, Pipe-coupling-. E. Henrikson. 1,662,813; Mar. 13.
- Tapping machines, Automatic reversing mechanism for. G. H. Frew, jr. and O. W. Nilson. 1,658,045; Feb. 7.
- Tapping machines, Electric reversing device for. B. S. T. Bishop and H. A. Jacobson. 1,677,744; July 17.
- Tape-applying mechanism. J. Derry. 1,671,980; June 5.
- Tape-condenser clearer roll. H. J. Rogers and F. H. Boyle. 1,687,145; Oct. 9.
- Tape, Curtain. H. Doederlein. 1,672,640; June 5.
- Tape-dispensing machine or the like. A. Keck. 1,658,989; Feb. 14.
- Tape, Fastener. G. R. Upham. 1,672,632; June 5.
- Tape, Feeding. R. L. Daine. 1,664,772; Apr. 3.
- Tape measure, Novelty. J. Buttigieg. 1,658,667; Feb. 7.
- Tape, Measuring. C. H. M. Bull. 1,686,956; Oct. 9.
- Tape-reading device. J. Gluck. 1,667,852; May 1.
- Tape-serving machine, Gummied-. W. A. Uttz, sr. 1,690,512; Nov. 6.
- Tape, webbing, gimp, braid, and similar materials, Device for the manufacture of. C. Ernestus and W. Lusebrink. 1,664,357; Mar. 27.
- Taping machine. W. P. Osgood. 1,661,383; Mar. 6.
- Tappet. A. Addyman and E. Bellavance. 1,673,478; June 12.
- Tappet for valves. R. W. Manning. 1,693,651; Dec. 4.
- Tar from gases, Removing. E. Piron. 1,664,484; Apr. 3.
- Tar, Method and apparatus for dehydrating. A. W. Warner. 1,689,309; Oct. 30.
- Tar or tar oils, Resolving emulsions of. H. W. Robinson and D. W. Parkes. 1,696,057; Dec. 18.
- Target. A. J. Krantz. 1,657,931; Jan. 31.
- Target, Ball-game. E. C. Perkins. 1,655,661; Jan. 10.
- Target, Centering. H. Cronjaeger. 1,660,833; Feb. 28.
- Target-throwing trap. W. I. Spangler. 1,663,780; Mar. 27.
- Targets, Apparatus for the control of firing against aerial. N. E. Methlin. 1,668,862; May 8.
- Tarpaulin. J. P. Lillesø-Petersen. 1,672,338; June 5.
- Taxicab meter. F. H. Ruehmeier. 1,680,639; Aug. 14.
- Taximeter. C. A. Dubois. 1,674,322; June 19.
- Taximeters, Driving means for. J. H. Glatzel. 1,667,851; May 1.
- Taximeters, Driving means for. W. G. Orth and J. B. Mills. 1,675,047; June 26.
- Taximeters, Illuminated signal means for. J. Gluck. 1,659,600; Feb. 21.
- Taximeters, Indicator for. W. G. Orth and G. H. Darst. 1,667,901; May 1.
- Tea bag. H. Mock. 1,677,397; July 17.
- Tea bag, Individual. W. T. Abbott. 1,665,080; Apr. 3.
- Tea ball. R. Ensko. 1,672,518; June 5.
- Teacup. G. B. Wimsatt. Des. 75,592; June 19.
- Teakettle. C. Parry and H. Gutnard. 1,660,174; Feb. 21.
- Teapot. K. P. Beattie. Des. 74,590; Mar. 6.
- Teapot. J. M. Miller. 1,668,329; May 1.
- Teapot. A. F. Saunders. Des. 75,522; June 12.
- Teapot, coffeepot, and the like. E. W. Abram. 1,662,020; Mar. 6.
- Teapot construction (pottery body). A. F. Saunders. 1,681,598; Aug. 21.
- Teapot or similar article. W. D. Haviland. Des. 74,505; Feb. 21.
- Tea, Treating. H. Nagasaki. 1,673,264; June 12.
- Teaching arithmetic, Appliance for. K. G. Krieger. 1,662,503; Mar. 13.
- Teaching device. A. Cooper. 1,664,808; Apr. 3.
- Teaching device, Self-. W. H. Holmes. 1,678,621; July 24.
- Teaching fingering, Implement for. P. F. Moffett. 1,666,464; Apr. 17.
- Teaching sight singing, Apparatus for. M. B. Rock. 1,685,682; Sept. 25.
- Teaching the deaf to hear and mutes to speak. H. L. Warwick. 1,676,716; July 10.
- Teaseling machine. S. Morel. 1,661,492; Mar. 6.
- Teat cannula. N. Aas. 1,688,795; Oct. 23.
- Teat cup. L. Dinesen. 1,690,327; Nov. 6.
- Teat cup. C. E. Ellison. 1,657,667; Jan. 31.
- Tee-forming blank. E. N. Swett. 1,661,513; Mar. 6.
- Tee-forming device. E. L. Bass. 1,663,536; Mar. 27.
- Teeter. W. B. De Lisle. 1,672,754; June 5.
- Teeter, Inclined revolving. W. D. Molby. 1,690,590; Nov. 6.
- Teeter, Revolving. O. Lange. 1,694,785; Dec. 11.
- Teeth and fixing the same, Artificial. C. Joannides. 1,685,541; Sept. 25.
- Teeth, Artificial. C. J. Huber. 1,688,621; Oct. 23.
- Teeth, Artificial. C. G. Miller. 1,685,289; Sept. 25.
- Teeth, Artificial. N. Miller. 1,654,743; Jan. 3.
- Teeth, Artificial. V. H. Sears. 1,681,436; Aug. 21.
- Teeth, Artificial. L. H. Sprinkle. 1,677,662; July 17.
- Teeth, Backing for artificial. S. Myerson. 1,659,662; Feb. 21.
- Teeth-cleaning device. F. T. Hope. 1,682,178; Aug. 28.
- Teeth-cleaning device. A. A. Katz and H. Cook. 1,656,823; Jan. 17.
- Teeth, Interchangeable. E. P. Cressler. 1,669,287; May 8.
- Teeth, Manufacture of artificial. H. J. Grainge and S. W. Wilding. 1,669,557; May 15.
- Teeth, Molding artificial. G. H. Whiteley, jr. 1,680,312; Aug. 14.
- Teeth, Mount for artificial. S. Myerson. 1,658,936; Feb. 14.
- Teeth, Porcelain-root. H. A. Marx. 1,682,298; Aug. 28.
- Teeth, Process and device for operating upon human. J. Maurer. 1,664,369; Mar. 27.
- Teeth, Removable bridge for artificial. B. K. Takenaka. 1,671,170; May 29.
- Teeth upon bridgework, Attachment for artificial. A. D. Mizzy. 1,686,625; Oct. 9.
- Telautograph system. A. N. Van Nostrand. 1,673,928; June 19.
- Telautographic apparatus, Needle holder for. M. Ferree and J. Wissmar. 1,666,330; Apr. 17.
- Telautography or phototelegraphy. H. G. Bartholomew and M. L. D. McFarlane. 1,674,881; June 26.
- Telecontrol of objects, System for the. J. W. G. Illauer. 1,686,327; Oct. 2.
- Teledynamic control, System of. J. H. Hammond, jr. 1,658,790; Feb. 7.
- Telegraph cipher system. G. S. Vernam. 1,686,585; Oct. 9.
- Telegraph circuit. J. Herman and F. J. Singer. 1,680,376; Aug. 14.
- Telegraph circuits, Automatic reversing system for. W. A. Dudley. 1,673,445; June 12.
- Telegraph circuits, Testing of. M. Kirkwood. 1,673,829; June 19.
- Telegraph conductor. O. E. Buckley. 1,662,956; Mar. 20.
- Telegraph exchange system, Printing-. R. D. Parker and D. B. Perry. 1,677,983; July 24.
- Telegraph indicator. S. G. Nye. 1,686,293; Oct. 2.
- Telegraph instrument, Electrical order. F. W. Wood. 1,659,180; Feb. 14.
- Telegraph, Pointer. F. R. Wasserkampf. 1,673,894; June 19.

- Telegraph printer. H. L. Krum. 1,665,594; Apr. 10.
 Telegraph receiver, Wireless-. C. S. Franklin. 1,694,646; Dec. 11.
 Telegraph repeater, Differential duplex. J. Herman. 1,655,421; Jan. 10.
 Telegraph repeater, Differential duplex. J. Herman. 1,666,965; Apr. 24.
 Telegraph repeater, Regenerative. H. Angel. 1,673,726; June 12.
 Telegraph station, Intermediate. J. Herman. 1,655,420; Jan. 10.
 Telegraph system. L. M. Clement. 1,672,998; June 12.
 Telegraph system. L. R. Foster. 1,657,384; Jan. 24.
 Telegraph system. R. C. Mathes. 1,696,246; Dec. 25.
 Telegraph system and circuit arrangement therefor. W. S. Smith, N. W. McLachlan, and W. G. R. Jacob. 1,684,117; Sept. 11.
 Telegraph system, Duplex. A. A. Clokey. 1,666,195; Apr. 17.
 Telegraph system, Grounded duplex. S. I. Cory. 1,665,296-7; Apr. 10.
 Telegraph system, Multiplex. A. A. Clokey. 1,695,040; Dec. 11.
 Telegraph system, Printing-. G. S. Hiltz and W. F. Purcell. 1,669,201; May 8.
 Telegraph system, Printing-. E. F. Watson. 1,655,448; Jan. 10.
 Telegraph system, Submarine. A. M. Curtis. 1,689,328; Oct. 30.
 Telegraph systems, Apparatus for use in electric. F. G. Creed and E. A. Willson. 1,670,878; May 22.
 Telegraph systems, Trouble alarm for. M. Kirkwood. 1,673,830; June 19.
 Telegraph transmission of signals. L. Casper. 1,694,769; Dec. 11.
 Telegraph transmitter. J. M. Miller. 1,660,759; Feb. 28.
 Telegraph transmitter. J. Riddle. 1,670,986; May 22.
 Telegraph transmitter. A. E. Senobe. 1,657,095; Jan. 24.
 Telegraph, Typewriter. F. D. Pearne and L. E. Gotsch. 1,670,421; May 22.
 Telegraphs, Selecting apparatus for electric. C. L. and H. L. Krum. 1,676,448; July 10.
 Telegraphic and telephonic receiving circuits. C. K. Chandler. 1,677,885; July 24.
 Telegraphic receiving apparatus. J. R. Worthington. 1,682,162; Aug. 28.
 Telegraphic sending key. N. W. McLachlan. 1,660,173; Feb. 21.
 Telegraphic transmitter. E. W. Engstrom. 1,674,505; June 19.
 Telegraphing apparatus, High-frequency. L. Pungs and R. Herzog. 1,666,753; Apr. 17.
 Telephonic apparatus. O. Melby. 1,656,216; Jan. 17.
 Telephony. W. M. Bruce, jr. 1,658,404; Feb. 7.
 Telephony. W. S. Smith, N. W. McLachlan and G. R. Jacob. 1,682,941; Sept. 4.
 Telephony and radiotelephony. Y. Marrec. 1,675,038; June 26.
 Telephony and telemechanical transmission, Signaling system applicable to. C. Verdan and L. M. J. Loiseau. 1,677,062; July 10.
 Telephony and telephony, System of reception for modulated-wave. E. Y. Robinson. 1,677,797; July 17.
 Telephony and telephony, Wireless. M. Lock. 1,674,784; June 26.
 Telephony and telephony, Wireless. B. Rosenbaum. 1,677,296; July 17.
 Telephony and the like, Cable. W. S. Smith and N. W. McLachlan. 1,684,116; Sept. 11.
 Telephony, Method and system of carrier wave. B. W. Kendall. 1,689,346; Oct. 30.
 Telephony over high-tension lines or cables, Method and arrangement for spark. P. Tätz. 1,670,486; May 22.
 Telephony, Wireless. H. Richmond. 1,654,753; Jan. 3.
 Telemetric impulse summation system. W. H. Pratt and D. R. Price. 1,684,241; Sept. 11.
 Telemetric summation system. R. M. Rowell. 1,655,244; Jan. 3.
 Telemetric system. A. W. Hull and B. W. St. Clair. 1,673,681; June 12.
 Telephone. F. C. Greene. 1,690,634; Nov. 6.
 Telephone. T. H. Howell and R. G. Ferguson. 1,680,990; Aug. 14.
 Telephone. A. Schwartz. 1,667,953; May 1.
 Telephone accessory. D. S. S. Steuart. 1,675,622; July 3.
 Telephone and telegraph conductors, Alloy suitable for loading. W. S. Smith and H. J. Garnett. 1,656,764; Jan. 17.
 Telephone and the like. H. J. Round. 1,690,840; Nov. 6.
 Telephone apparatus. H. R. Spencer. 1,682,433; Aug. 28.
 Telephone attachment. J. W. Arrowsmith. 1,670,228; May 15.
 Telephone attachment. E. Coleman. 1,667,193; Apr. 24.
 Telephone attachment. Z. E. Jones. 1,688,276; Oct. 16.
 Telephone cabinet, Panel for a. A. S. Katz. Des. 74,228; Jan. 10.
 Telephone-call recorder. A. Engelberg. 1,672,517; June 5.
 Telephone circuits and apparatus. A. Nyman and F. Conrad. 1,693,401; Nov. 27.
 Telephone circuits, Substation. T. G. Martin. 1,657,634-5; Jan. 31.
 Telephone circuits, Substation. A. B. Smith. 1,688,475; Oct. 23.
 Telephone device. F. Conrad. 1,660,864; Feb. 28.
 Telephone device. F. Conrad. 1,680,409; Aug. 14.
 Telephone, Dial. J. J. Dickman. 1,671,102; May 29.
 Telephone-dial protector. J. W. Smith. 1,673,055; June 12.
 Telephone dials, Cleaning attachment for automatic. A. M. Eichorn. 1,658,977; Feb. 14.
 Telephone equipment. N. C. Webster. 1,690,959; Nov. 6.
 Telephone exchange, Party-line. N. E. Norstrom. 1,691,080; Nov. 13.
 Telephone-exchange system. H. M. Bascom. 1,663,747; Mar. 27.
 Telephone-exchange system. H. M. Bascom and E. Jacobsen. 1,694,406; Dec. 11.
 Telephone-exchange system. W. G. Blauvelt. 1,681,215; Aug. 21.
 Telephone-exchange system. E. H. Clark. 1,659,083; Feb. 14.
 Telephone-exchange system. P. P. Coggins. 1,681,221; Aug. 21.
 Telephone-exchange system. W. T. Haines and R. W. Harper. 1,695,043; Dec. 11.
 Telephone-exchange system. W. H. Harvey. 1,668,677; May 8.
 Telephone-exchange system. E. E. Hinrichsen. 1,658,197; Feb. 7.
 Telephone-exchange system. E. Jacobsen and A. B. Sperry. 1,695,049; Dec. 11.
 Telephone-exchange system. W. C. Jordan. 1,655,061; Jan. 3.
 Telephone-exchange system. W. C. Jordan. 1,661,536; Mar. 6.
 Telephone-exchange system. F. K. Low. 1,668,687; May 8.
 Telephone-exchange system. R. L. Stokely. 1,695,828; Dec. 18.
 Telephone-exchange system, Call-charging. A. E. Hague. 1,696,271; Dec. 25.
 Telephone-exchange system, Call-charging. L. H. Johnson. 1,696,275; Dec. 25.
 Telephone-exchange system, Restricted-service. W. W. Carpenter. 1,690,214; Nov. 6.
 Telephone-exchange system, Switch device for automatic. F. B. Trachsel. 1,663,360; Mar. 20.
 Telephone exchanges, Monitoring supervision on party lines in automatically-operated. A. S. Bertels. 1,673,036; June 12.
 Telephone, Hand. O. Weeber. 1,688,477; Oct. 23.
 Telephone head set. A. Easthope. 1,693,337; Nov. 27.
 Telephone instrument. C. R. Hanna. 1,682,505; Aug. 28.
 Telephone instrument. J. J. Radel. 1,666,399; Apr. 17.
 Telephone instrument. A. A. Thomas. 1,672,351; June 5.
 Telephone line. A. Byk. 1,694,248; Dec. 4.
 Telephone lines, Automatic volume control for. J. Herman. 1,662,888; Mar. 20.
 Telephone, Loud-speaking. C. R. Albertus. 1,674,539; June 19.
 Telephone-magnet system. R. T. Kingsford and W. H. Richter. 1,689,948; Oct. 30.
 Telephone-meter unit. G. Tauchmann. 1,690,464; Nov. 6.
 Telephone mouthpiece, Sanitary. S. Friedlander and T. Geismar. 1,687,553; Oct. 16.
 Telephone-mouthpiece sanitary cap. R. McAlpine. 1,671,734; May 29.
 Telephone muffler. G. W. Schultz. 1,666,220; Apr. 17.
 Telephone muffler. W. F. Smith, jr. 1,688,995; Oct. 23.
 Telephone plug. M. Alden. 1,677,068; July 10.
 Telephone plug. G. G. Cromartie and E. W. Nielsen. 1,669,042; May 8.
 Telephone plug. H. H. Frost. 1,678,772; July 31.
 Telephone plug. L. G. Pacent. 1,680,430; Aug. 14.
 Telephone plug, Shielded. A. M. Trogner. 1,696,657; Dec. 25.
 Telephone receiver. N. Baldwin. Re16,887; Feb. 21.
 Telephone receiver. N. Baldwin. 1,672,294; June 5.
 Telephone receiver. N. Baldwin. 1,681,161; Aug. 21.
 Telephone receiver. N. Baldwin. 1,683,945; Sept. 11.
 Telephone receiver. J. W. Dungey and A. E. Drown. 1,670,193; May 15.
 Telephone receiver. W. F. Hendry. 1,689,388; Oct. 30.
 Telephone receiver. W. C. Jones. 1,687,211; Oct. 9.
 Telephone receiver. A. J. Roberts. 1,678,271; July 24.
 Telephone receiver. M. C. Rorty and J. C. Patter. 1,678,200; July 24.
 Telephone receiver. S. R. Swenson. 1,665,045; Apr. 3.
 Telephone receiver. J. M. Wilson. 1,665,078; Apr. 3.
 Telephone receiver attachment. J. Josinsky. 1,672,761; June 5.
 Telephone-receiver support. C. H. Carmer. 1,690,475; Nov. 6.
 Telephone rest. T. Deane. 1,674,960; June 26.
 Telephone set. H. F. Obergfell. Des. 74,620; Mar. 6.
 Telephone signal system. J. F. Toomey. 1,678,685; July 31.
 Telephone signaling system. C. S. Demarest and O. H. Loynes. 1,688,451-5; Oct. 23.
 Telephone stand. R. Gauck. 1,658,891; Feb. 14.
 Telephone stand or equipment. J. Straub. 1,681,754; Aug. 21.
 Telephone-station bank, Pay-. R. A. Frisbie. 1,674,428; June 19.
 Telephone substation circuits. R. S. Ohl. 1,675,423; July 3.
 Telephone system. H. H. Abbott. 1,695,312; Dec. 18.
 Telephone system. G. Babcock. 1,694,934; Dec. 11.

- Telephone system. H. M. Bascom and H. H. Abbott. 1,695,314; Dec. 18.
- Telephone system. E. L. Baulch. 1,654,912; Jan. 3.
- Telephone system. C. H. Berry. 1,658,829; Feb. 14.
- Telephone system. H. C. Caverly. 1,678,103; July 24.
- Telephone system. T. F. Crocker. 1,676,480; July 10.
- Telephone system. T. F. Crocker. 1,687,325; Oct. 9.
- Telephone system. H. D. Currier and W. G. Shull. 1,664,665; Apr. 3.
- Telephone system. J. W. Dehn. 1,654,923; Jan. 3.
- Telephone system. B. G. Dunham. 1,696,267; Dec. 25.
- Telephone system. L. L. Eagon. 1,677,957; July 24.
- Telephone system. H. M. Friendly. 1,694,170; Dec. 4.
- Telephone system. A. Flad. 1,637,117; Jan. 24.
- Telephone system. C. B. Fowler and C. W. Lucek. 1,667,845-6; May 1.
- Telephone system. C. Gillings. 1,693,599; Dec. 4.
- Telephone system. A. E. Hague. 1,675,886; July 3.
- Telephone system. R. W. Harper. 1,678,185; July 24.
- Telephone system. R. C. M. Hastings. 1,669,517; May 15.
- Telephone system. E. E. Hinrichsen. 1,689,343; Oct. 30.
- Telephone system. F. A. Korn. 1,689,347; Oct. 30.
- Telephone system. W. Kroll. 1,693,927; Dec. 4.
- Telephone system. C. E. Lomax. 1,658,450; Feb. 7.
- Telephone system. C. E. Lomax. 1,665,708; Apr. 10.
- Telephone system. C. E. Lomax. 1,673,367; June 12.
- Telephone system. C. E. Lomax. 1,675,502; July 3.
- Telephone system. T. G. Martin. 1,693,613; Dec. 4.
- Telephone system. R. Mercer and F. Tench. 1,688,150; Oct. 16.
- Telephone system. R. Mercer, W. H. Paulett, and F. Tench. 1,672,225; June 5.
- Telephone system. L. A. Mortimer. 1,678,190; July 24.
- Telephone system. P. B. Murphy. 1,695,057; Dec. 11.
- Telephone system. H. W. O'Neill. 1,690,241; Nov. 6.
- Telephone system. J. E. Ostline. 1,682,089; Aug. 28.
- Telephone system. J. E. Ostline. 1,694,623; Dec. 11.
- Telephone system. W. O. Passmore. 1,688,651; Oct. 23.
- Telephone system. L. F. Porter. 1,675,956; July 3.
- Telephone system. W. T. Powell. 1,658,416; Feb. 7.
- Telephone system. R. L. Quass. 1,660,975; Feb. 28.
- Telephone system. A. Raynsford. 1,690,206; Nov. 6.
- Telephone system. D. B. Robison. 1,662,129; Mar. 13.
- Telephone system. L. L. Ruggles. 1,693,962; Dec. 4.
- Telephone system. W. Saville. 1,675,310; June 26.
- Telephone system. W. Saville. 1,691,554; Nov. 13.
- Telephone system. A. Scheunert. 1,672,990; June 12.
- Telephone system. A. Scheunert. 1,689,213; Oct. 30.
- Telephone system. E. B. Smith. 1,688,993; Oct. 23.
- Telephone system. M. B. Stazak. 1,665,231; Apr. 10.
- Telephone system. M. B. Stazak. 1,667,015; Apr. 24.
- Telephone system. M. B. Stazak. 1,680,844; Aug. 14.
- Telephone system. M. B. Stazak. 1,693,824; Dec. 4.
- Telephone system. R. F. Stehlik. 1,656,300; Jan. 17.
- Telephone system. R. F. Stehlik. 1,672,101; June 5.
- Telephone system. R. F. Stehlik. 1,673,212; June 12.
- Telephone system. R. F. Stehlik. 1,685,410; Sept. 25.
- Telephone system. R. F. Stehlik. 1,688,160-2; Oct. 16.
- Telephone system. R. I. Stokely. 1,690,210; Nov. 6.
- Telephone system. G. Thompson. 1,672,994; June 12.
- Telephone system. J. F. Toomey and G. H. Duhnkrack. 1,690,211; Nov. 6.
- Telephone system. H. W. Ulrich. 1,667,830; May 1.
- Telephone system. H. von Beckerath. 1,677,325; July 17.
- Telephone system. A. Waschack. 1,682,055; Aug. 28.
- Telephone system. W. Whitney, Incorporated. 1,665,338; Apr. 10.
- Telephone system. J. Wicks. 1,665,489; Apr. 10.
- Telephone system. J. Wicks. 1,682,100; Aug. 28.
- Telephone system. S. B. Williams. 1,681,510; Aug. 21.
- Telephone system. T. Zuschlag. 1,665,683; Apr. 10.
- Telephone system and appliances. J. S. Jones and S. N. Mead, jr. 1,689,391; Oct. 30.
- Telephone system, Aural. H. Sell. 1,689,692; Oct. 30.
- Telephone system, Automatic. F. Aldendorff. 1,663,231; Mar. 20.
- Telephone system, Automatic. F. Aldendorff. 1,695,267-8; Dec. 18.
- Telephone system, Automatic. J. I. Bellamy. 1,694,615; Dec. 11.
- Telephone system, Automatic. J. I. Bellamy and J. E. Gardner. 1,683,857; Sept. 11.
- Telephone system, Automatic. T. F. Crocker. 1,688,689; Oct. 23.
- Telephone system, Automatic. H. M. Friendly. 1,678,503; July 24.
- Telephone system, Automatic. J. E. Gardner. 1,655,602; Jan. 10.
- Telephone system, Automatic. J. E. Gardner. 1,670,252; May 15.
- Telephone system, Automatic. J. E. Gardner. 1,679,567; Aug. 7.
- Telephone system, Automatic. J. E. Gardner. 1,681,034-5; Aug. 14.
- Telephone system, Automatic. F. Gohorel. 1,670,303; May 22.
- Telephone system, Automatic. R. F. Gould. 1,696,270; Dec. 25.
- Telephone system, Automatic. G. Grabe. 1,679,522; Aug. 7.
- Telephone system, Automatic. E. E. Jones. 1,667,385; Apr. 24.
- Telephone system, Automatic. C. E. Lomax. 1,674,652; June 26.
- Telephone system, Automatic. C. E. Lomax. 1,681,703; Aug. 21.
- Telephone system, Automatic. C. E. Lomax. 1,685,547; Sept. 25.
- Telephone system, Automatic. C. E. Lomax and N. H. Saunders. 1,688,588; Oct. 23.
- Telephone system, Automatic. T. G. Martin. Re16,975; May 22.
- Telephone system, Automatic. D. R. Middleton. 1,665,466; Apr. 10.
- Telephone system, Automatic. J. E. Ostline. 1,672,336; June 5.
- Telephone system, Automatic. J. E. Ostline. 1,673,420; June 12.
- Telephone system, Automatic. W. Pinell. 1,669,174; May 8.
- Telephone system, Automatic. W. Pinell. 1,696,254; Dec. 25.
- Telephone system, Automatic. W. T. Powell. 1,664,943; Apr. 3.
- Telephone system, Automatic. A. J. Ray. 1,686,838; Oct. 9.
- Telephone system, Automatic. A. J. Ray. 1,688,656; Oct. 23.
- Telephone system, Automatic. A. J. Ray and H. B. McElyea. 1,672,088; June 5.
- Telephone system, Automatic. R. G. Richardson. 1,663,860; Mar. 27.
- Telephone system, Automatic. R. G. Richardson. 1,678,304; July 24.
- Telephone system, Automatic. R. G. Richardson and M. L. Nelson. 1,691,410; Nov. 13.
- Telephone system, Automatic. L. L. Ruggles. 1,667,950; May 1.
- Telephone system, Automatic. L. L. Ruggles. 1,685,379; Sept. 25.
- Telephone system, Automatic. N. H. Saunders. 1,681,015; Aug. 14.
- Telephone system, Automatic. N. H. Saunders. 1,686,879; Oct. 9.
- Telephone system, Automatic. R. F. Stehlik. 1,671,791; May 29.
- Telephone system, Automatic. R. F. Stehlik. 1,677,415-14; July 17.
- Telephone system, Automatic. R. F. Stehlik. 1,693,124; Nov. 27.
- Telephone system, Automatic. J. Wicks. 1,664,011; Mar. 27.
- Telephone system, Automatic. J. Wicks. 1,667,405; Apr. 24.
- Telephone system, Automatic. J. Wicks. 1,676,469; July 10.
- Telephone system, Automatic. J. Wicks. 1,681,913; Aug. 21.
- Telephone system, Automatic. B. D. Willis. 1,660,662; Feb. 28.
- Telephone system, Automatic. B. D. Willis. 1,672,971; June 12.
- Telephone system, Automatic. B. D. Willis. 1,686,306; Oct. 2.
- Telephone system, Automatic switchboard. L. L. E. Chauveau. 1,665,773; Apr. 10.
- Telephone system, Carrier-wave. C. A. Boddie. 1,665,904; Apr. 10.
- Telephone system, Carrier-wave. C. A. Boddie. 1,673,548; June 12.
- Telephone system, Electromechanical. F. Aldendorff. 1,663,230; Mar. 20.
- Telephone system, Electromechanically-controlled. F. Aldendorff. 1,669,368; May 8.
- Telephone system, Loud-speaking. R. F. Stehlik. 1,655,028; Jan. 3.
- Telephone system, Machine-switching. S. B. Williams, jr. 1,672,970; June 12.
- Telephone system, Manual. J. H. Levis, jr. 1,678,068; July 24.
- Telephone system, Measured-service. R. W. Engsborg. 1,688,617; Oct. 23.
- Telephone system, Measured-service. J. Wicks. 1,667,915; May 1.
- Telephone system, Measured-service. J. Wicks. 1,673,131; June 12.
- Telephone system, Multioffice. M. L. Nelson. 1,665,273; Apr. 10.
- Telephone system, Multioffice. J. E. Ostline. 1,680,565; Aug. 14.
- Telephone system, Multioffice. J. Wicks. 1,689,543; Oct. 30.
- Telephone system, Multioffice. B. D. Willis. 1,682,158-9; Aug. 28.
- Telephone system, Multioffice automatic. M. Schwartz. 1,674,134; June 19.
- Telephone system, Selective. J. F. Cavanagh. 1,682,068; Aug. 28.
- Telephone system, Semiautomatic. E. Jacobsen. 1,677,451; July 17.
- Telephone system, Semiautomatic. J. E. Ostline. 1,674,916; June 26.
- Telephone system with auxiliary signaling circuit. R. G. McCurdy. 1,681,246; Aug. 21.
- Telephone system. Zone-measuring. R. F. Gould. 1,677,079; July 10.
- Telephone systems, Automatic trunking arrangement for. W. T. Powell. 1,674,299; June 19.

- Telephone systems, Impulse transmitter for automatic. N. Blades and L. V. Marks. 1,662,141; Mar. 13.
- Telephone systems, Reception apparatus for. S. B. Allen. 1,696,024; Dec. 18.
- Telephone systems, Selecting device for. A. B. Preuss. 1,674,413; June 19.
- Telephone systems, Selecting device for. P. Quassowski. 1,678,301; July 24.
- Telephone systems, Testing equipment for automatic. M. L. Nelson. 1,659,832; Feb. 21.
- Telephone systems, Traffic recorder for. M. Schwartz. 1,668,541; May 1.
- Telephone systems, Traffic-recording equipment for. J. E. Ostline. 1,674,411; June 19.
- Telephone systems, Traffic-recording equipment for. J. E. Ostline. 1,676,742; July 10.
- Telephone systems, Trunking arrangement for automatic or semiautomatic. J. E. Ostline and W. O. Passmore. 1,670,420; May 22.
- Telephone transmission. F. W. McKown. 1,668,725; May 8.
- Telephone transmission. G. Seibt. 1,656,609; Jan. 17.
- Telephone transmitter. C. R. Moore. 1,661,006; Feb. 28.
- Telephone transmitter. H. J. Round. 1,676,668; July 10.
- Telephone transmitter. J. Slepian. 1,689,844; Oct. 30.
- Telephone trunk circuits. B. D. Willis. 1,682,101; Aug. 28.
- Telephone trunking system, Automatic. J. H. Homrighous. 1,681,039; Aug. 14.
- Telephone typewriter, Combined. A. Vermes and M. Rubin. 1,668,094; May 1.
- Telephones, Dial lock for automatic. L. F. Mortimer. 1,664,939; Apr. 3.
- Telephones, Dialing device for. F. Heizer. 1,669,751; May 15.
- Telephones, Operate electrostatic. S. Loewe. 1,676,452; July 10.
- Telephonic receivers, Switch apparatus for use with. E. A. Graham. 1,659,870; Feb. 21.
- Telephonic transmission, Method of and system for. E. S. Purington. 1,671,486; May 29.
- Telephony, Arrangement for use in. E. Mayer. 1,694,131; Dec. 4.
- Telephony, Method of and apparatus for. S. Loewe. 1,664,220; Mar. 27.
- Telephony, Multiple. E. Ruhmer. 1,677,158; Dec. 11.
- Telephony or keying arrangement. M. Osnos. 1,686,982; Oct. 9.
- Telescope, Illuminating surgical. R. H. and F. C. Wappler. 1,680,491; Aug. 14.
- Telescopes, Refracting prism for. R. C. Harris. 1,668,015; May 1.
- Telescopy, Electric. J. G. Allen. 1,681,833; Aug. 21.
- Television. E. Belin. 1,670,795; May 22.
- Television. H. E. Ives. 1,673,828; June 19.
- Television. L. W. Skala. 1,678,132; July 24.
- Television apparatus. S. M. Kintner. 1,695,924; Dec. 18.
- Television process and means of realization. A. Dauvillier. 1,661,603; Mar. 6.
- Television system. V. K. Zworykin. 1,689,847; Oct. 30.
- Television system. V. K. Zworykin. 1,691,324; Nov. 13.
- Teller's cage. E. E. Cronenweth. 1,663,681; Mar. 27.
- Temperature-changing apparatus. J. L. Herold. 1,655,954; Jan. 10.
- Temperature-compensating device. M. Knight. 1,689,785; Oct. 30.
- Temperature-compensating device. P. Paschen. 1,687,686; Oct. 16.
- Temperature-compensating spring. J. Patrick. 1,665,322; Apr. 10.
- Temperature control, Apparatus for. A. Bonds. 1,664,965; Apr. 3.
- Temperature control for water heaters. F. L. O. Wadsworth. 1,696,222; Dec. 25.
- Temperature control, Internal-combustion-engine. P. S. Tice. 1,677,103; July 10.
- Temperature control in the synthetic production of ammonia and the like. H. Svanoe. 1,678,964; July 31.
- Temperature-control means. S. Halle. 1,667,595; Apr. 24.
- Temperature-control system. A. J. Kercher and W. W. Hicks. 1,671,593; May 29.
- Temperature-control system. R. B. Lincoln. 1,678,865; July 31.
- Temperature-control system. R. B. Lincoln. 1,695,853; Dec. 18.
- Temperature-control system. H. D. Matthews. 1,682,391; Aug. 28.
- Temperature-control system. S. A. Staeger. 1,669,582; May 15.
- Temperature-control system. I. G. Thomas. 1,680,398; Aug. 14.
- Temperature-control switch. I. E. McCabe and R. W. Armstrong. 1,691,016; Nov. 6.
- Temperature controller. E. Theander. 1,688,291; Oct. 16.
- Temperature controller for oil-separating towers. R. H. Carr and C. B. Watson. 1,678,328; July 24.
- Temperature-controlling apparatus. E. T. Johnsson. 1,682,227; Aug. 28.
- Temperature-controlling apparatus for internal-combustion engines. F. M. Furber. 1,694,171; Dec. 4.
- Temperature-controlling device for incubators, Automatic. P. S. Martin. 1,694,513; Dec. 11.
- Temperature-controlling means. J. Bailey. 1,685,348; Sept. 25.
- Temperature-controlling system. A. W. Burke. 1,657,065; Jan. 24.
- Temperature-indicating device. R. G. Lafite. 1,654,822; Jan. 3.
- Temperature-indicating housing. A. Hartman. Des. 74,603; Mar. 6.
- Temperature-indicating means. K. A. Ferkel. 1,676,536; July 10.
- Temperature-indicating mechanism. S. F. Barker. 1,695,838; Dec. 18.
- Temperature indicator. C. A. Dunham. 1,693,225; Nov. 27.
- Temperature indicator. W. J. Francke. 1,657,353; Jan. 24.
- Temperature indicator. E. A. Rollins. 1,695,295; Dec. 18.
- Temperature indicator and controller. T. A. Reid. 1,673,591; June 12.
- Temperature of foods prior to service, Apparatus for maintaining. H. G. Zola. 1,672,636; June 5.
- Temperature-regulating system. C. E. Andrews. 1,666,251; Apr. 17.
- Temperature regulation. C. L. Hortier. 1,678,213; July 24.
- Temperature regulation. A. J. Otto. 1,681,253; Aug. 21.
- Temperature regulator. A. Däniker. 1,677,710; July 17.
- Temperature regulator. H. S. Gano. 1,685,995; Oct. 2.
- Temperature regulator. J. V. Giesler. 1,668,896; May 8.
- Temperature regulator. A. W. Hull. 1,694,264; Dec. 4.
- Temperature regulator, Automatic. J. V. Giesler. 1,671,525; May 29.
- Temperature regulator, Automatic. J. H. P. Wood. 1,695,309; Dec. 18.
- Temperature regulator for electric heaters. W. D. Kelly. 1,684,281; Sept. 11.
- Temperature regulator, Magnetic. A. H. Adams. 1,655,852; Jan. 10.
- Temperature regulator, Magnetic. C. T. Siebs. 1,655,847; Jan. 10.
- Temperature-responsive device. P. H. Brace. 1,695,877; Dec. 18.
- Temperature time-control device. A. J. Mottlau. 1,677,361; July 17.
- Tempering chocolate and the like, Method and apparatus for. 1,671,666; May 29.
- Tempering, measuring, or weighing mechanism. P. S. Ward. 1,660,110; Feb. 21.
- Template. J. F. Carroll. 1,668,396; May 1.
- Template. W. A. Cotes. 1,680,500; Aug. 14.
- Template for doors and windows. R. L. Humphrey. 1,664,076; Mar. 27.
- Template for guiding routers. R. L. Carter. 1,679,074; July 31.
- Template for stripping bodies. C. Ross and J. MacQuaid. 1,690,346; Nov. 6.
- Template, Multiple. T. B. Carr. 1,683,953; Sept. 11.
- Temple, Loom. C. F. Sloan. 1,682,582; Aug. 28.
- Templometer. H. L. Hunter. 1,656,438; Jan. 17.
- Tender, Articulated. H. Glaenzner and E. E. Hicken. 1,668,556; May 8.
- Tender frame, Cast-steel. C. B. Harbison. 1,659,361; Feb. 14.
- Tennis and like nets, Apparatus for supporting and straining lawn-. E. C. Carver. 1,675,249; June 26.
- Tennis and like racket. G. and J. Robinson. 1,687,848; Oct. 16.
- Tennis racket. E. J. Craven. 1,663,039; Mar. 20.
- Tennis racket. J. L. Kleinman. 1,684,449; Sept. 18.
- Tennis racket. M. B. Reach. 1,664,466; Apr. 3.
- Tennis racket. R. H. Robinson. 1,676,051; July 3.
- Tennis racket. R. H. Smilie. 1,682,199; Aug. 28.
- Tennis-racket carrier. O. E. Vaughan. 1,665,900; Apr. 10.
- Tennis racket, Folding. J. Boening. 1,673,614; June 12.
- Tennis racket, Restretchable. H. May. 1,665,598; Apr. 10.
- Tennis-racket string. G. P. Schilz. 1,669,242; May 8.
- Tens-carrying device for calculating machines. O. Weiskopf. 1,685,346; Sept. 25.
- Tensiometer. G. A. Iler. 1,657,261; Jan. 24.
- Tensiometer. W. Klemperer. 1,694,509; Dec. 11.
- Tension-adjusting device. M. Van Der Vliet. 1,667,362; Apr. 24.
- Tension and physiotherapy table. O. P. Spilman. 1,684,459; Sept. 18.
- Tension-control mechanism, Strand-. C. R. Avery. 1,671,976; June 5.
- Tension device. M. B. Grout. 1,659,259; Feb. 14.
- Tension device. J. C. Hodge. 1,677,138; July 17.
- Tension device. E. R. Swanson. 1,673,214; June 12.
- Tension device for coiling machines. R. Shepherd. 1,674,527; June 19.
- Tension device for newspaper-roll stands. C. A. Dresser and E. W. Hammer. 1,678,109; July 24.
- Tension device for wire-tying machines. F. Rychlewski. 1,675,730; July 3.
- Tension for cableways, Floating. G. Nelson. 1,685,720; Sept. 25.
- Tension indicator for brush holders. H. O. Simmons. 1,693,319; Nov. 27.
- Tension mechanism. J. Derry. 1,669,554; May 15.
- Tension mechanism, Web-. D. J. Scott. 1,670,637; May 22.
- Tension of paper webs, Device for regulating the. F. Fuchs. 1,656,111; Jan. 10.

- Tension regulator. J. A. Douglas. 1,680,368; Aug. 14.
 Tension regulator. A. Nyman. 1,676,797; July 10.
 Tension-take-up device for knitting machines. M. Richter. 1,683,989; Sept. 11.
 Tensional device, Floating. J. J. Grant. 1,669,003; May 8.
 Tensioning device. Z. L. Harbin. 1,655,368; Jan. 3.
 Tensioning device for braiding machines. W. C. Johnson. 1,683,898; Sept. 11.
 Tensioning device for clotheslines. V. P. Tommins. 1,690,957; Nov. 6.
 Tensioning device for transmission chains and the like. J. Weller. 1,666,882; Apr. 17.
 Tensioning machine, Ring-. R. B. Wasson. 1,695,037; Dec. 11.
 Tensioning means for shuttles, Thread-. L. A. Cadoret. 1,687,320; Oct. 9.
 Tensioning means for tatting thread. A. K. Weber. 1,656,308; Jan. 17.
 Tensioning mechanism for presses, Gripper-. F. S. English and T. L. Perry. 1,687,753; Oct. 16.
 Tent. F. R. Barbour. 1,686,507; Oct. 9.
 Tent. S. A. Coupal. 1,672,306; June 5.
 Tent. H. B. Marbury. 1,684,237; Sept. 11.
 Tent. C. C. Roth and D. A. Campbell. 1,691,411; Nov. 13.
 Tent. Q. A. Thomas. 1,658,214; Feb. 7.
 Tent and swing frame, Combined. H. E. Delvin. 1,666,961; Apr. 24.
 Tent, bed, and case, Combined. J. I. Smith. 1,696,286; Dec. 25.
 Tent, Collapsible. H. F. Snyder. 1,666,757; Apr. 17.
 Tent construction, Combination. W. F. J. Woltjes. 1,673,657; June 12.
 Tent for bedsteads. H. F. Berbig. 1,657,708; Jan. 31.
 Tent frame. T. W. Johnson. 1,673,626; June 12.
 Tent, Hanging sleeping. J. and K. Till. 1,692,522; Nov. 20.
 Tent pin, stake, or the like. E. Armstrong. 1,661,867; Mar. 6.
 Tent, Poleless. L. B., N., W., and J. M. Goldberg. 1,687,722; Oct. 16.
 Tents, Center-support assembly for. J. M. Goldberg. 1,669,611; May 15.
 Tents, Stretcher frame for. A. S. Procter. 1,669,778; May 15.
 Tenting and drying machines for textile fabrics. H. Krantz. 1,673,253; June 12.
 Tenting machine. W. Hensel and H. W. Butterworth, jr. 1,657,624; Jan. 31.
 Tenting machine. E. H. Reynier. 1,695,717; Dec. 18.
 Terminal. M. J. Dunne. 1,662,822; Mar. 20.
 Terminal. A. B. Saurman. 1,656,395; Jan. 17.
 Terminal. N. C. Schellenger. 1,678,745; July 31.
 Terminal, Battery. F. F. Fogel. 1,696,568; Dec. 25.
 Terminal, Battery. H. E. Pieh. 1,690,310; Nov. 6.
 Terminal block. A. L. Starke. 1,691,088; Nov. 13.
 Terminal box, Dry spot cross-arm. D. P. Dickie. 1,681,284; Aug. 21.
 Terminal box for electric cables, Sleeve. W. W. Emmons. 1,680,940; Aug. 14.
 Terminal bracket, Lightning-rod air. C. A. Schnoebelen. 1,666,670; Apr. 17.
 Terminal, Cable. D. Basch. 1,685,625; Sept. 25.
 Terminal, Clasp. E. C. Grassman. 1,672,025; June 5.
 Terminal clip. H. M. Koretzky. 1,661,124; Feb. 28.
 Terminal, Conductor. C. G. Merideth. 1,681,673; Aug. 21.
 Terminal connector. G. W. Fitzgerald. 1,688,182; Oct. 16.
 Terminal connector. A. B. McCall. Des. 76,030; Aug. 14.
 Terminal connector for electrical supply cables. A. Champion. 1,672,201; June 5.
 Terminal connecting device. N. D. Levin. 1,688,640; Oct. 23.
 Terminal connection. J. H. Eaton. 1,696,531; Dec. 25.
 Terminal construction, Electric. H. A. Ziola. 1,693,881; Dec. 4.
 Terminal, Contact. A. G. Steinmayer. 1,690,845; Nov. 6.
 Terminal cover. W. G. Mylius and B. G. La Bar. 1,669,570; May 15.
 Terminal, Electric. J. Amon. 1,684,383; Sept. 18.
 Terminal, Electrical. E. D. McKenna. 1,671,905; May 29.
 Terminal equipment, Electric. F. Mackintosh. 1,693,303; Nov. 27.
 Terminal for batteries, Cable. E. E. Richardson. 1,674,799; June 26.
 Terminal for bushing insulators. A. O. Austin. 1,670,334; May 22.
 Terminal for bushing insulators. A. O. Austin. 1,685,662; Sept. 25.
 Terminal for bushings. A. O. Austin. 1,691,327; Nov. 13.
 Terminal for conductors. J. C. and R. D. Shaw. 1,683,418; Sept. 4.
 Terminal for electric and wireless connections. L. J. Simon. 1,676,967; July 10.
 Terminal for electric heating units. C. B. Backer. 1,689,850; Oct. 30.
 Terminal for insulator bushings. A. O. Austin. 1,691,328; Nov. 13.
 Terminal for overhead lines, Branch. W. Schroeder and J. Nolte. 1,654,838; Jan. 3.
 Terminal head fastening. E. N. Jacobi. 1,660,560; Feb. 28.
 Terminal-post connector. W. E. Gossling. 1,682,221; Aug. 28.
 Terminal protector for storage batteries. J. A. Johnson. 1,686,817; Oct. 9.
 Terminal, Pull-chain. J. J. Cook. 1,672,929; June 12.
 Terminal, Self-regulating gravity-discharge. J. J. Stoetzel. 1,666,758; Apr. 17.
 Terminal, Suspended-aerial cable. W. N. Faust. 1,675,602; July 3.
 Test circuits for telephone systems, Wire chief's. T. F. Crocker. 1,691,269; Nov. 13.
 Test clip. H. Huntington. 1,685,847; Oct. 2.
 Test indicator. G. G. Mackey. 1,668,857; May 8.
 Test tank. H. C. Weisse. 1,671,333; May 29.
 Tester, Eye. B. D. Ritholz. 1,684,555; Sept. 18.
 Tester, Oil and gas well sand. W. O. Harris. 1,683,031; Sept. 4.
 Tester, Oil-viscosity. F. B. Mason. 1,659,534; Feb. 14.
 Testing abrasion resistance, Apparatus for. F. A. Fahrwald. 1,678,110; July 24.
 Testing and sorting machine. B. B. Goldsmith. 1,656,887; Jan. 17.
 Testing and sorting material, Method and apparatus for. J. G. Bellinger. 1,663,539; Mar. 27.
 Testing apparatus. R. B. Alexander and W. H. Rowan. 1,685,973; Oct. 2.
 Testing apparatus. C. L. Hippensteel. 1,695,046; Dec. 11.
 Testing apparatus and method of testing, Magnetic. T. Spooner. 1,685,965; Oct. 2.
 Testing apparatus and using same. A. E. Becker. 1,686,365; Oct. 2.
 Testing apparatus, Armature-. L. E. Poole. 1,690,345; Nov. 6.
 Testing apparatus, Bladder-pressure-. E. W. Hirsch. 1,666,332; Apr. 17.
 Testing apparatus, Electric-meter-. H. J. Blakeslee. 1,680,849; Aug. 14.
 Testing apparatus, Liquid-. E. W. Todd. 1,668,434; May 1.
 Testing apparatus, Metal-. G. B. Collins. 1,695,367; Dec. 18.
 Testing automobile tire inner tubes, Device for. J. A. Keena and J. L. Sharkey. 1,692,378; Nov. 20.
 Testing cans for leakage, Apparatus for. J. M. McClatchie. 1,694,828; Dec. 11.
 Testing clamp. H. L. Scott. 1,656,242; Jan. 17.
 Testing device. W. T. Booth and A. C. Magrath. 1,690,269; Nov. 6.
 Testing device. C. E. Emmons. 1,656,513; Jan. 17.
 Testing device. J. O. Lewis and H. R. Pierce. 1,680,334; Aug. 14.
 Testing device. G. W. Price. 1,671,935; May 29.
 Testing device. W. H. Tarver. 1,690,653; Nov. 6.
 Testing device. E. G. Thomas. 1,660,691-2; Feb. 28.
 Testing device. E. G. Thomas. 1,685,789; Oct. 2.
 Testing device. H. R. Van Deventer. 1,662,548; Mar. 13.
 Testing device for valves. C. Johnson. 1,685,454; Sept. 25.
 Testing device, Gas. R. E. Terhune. 1,671,795; May 29.
 Testing device, Leakage-. R. E. Miller. 1,681,551; Aug. 21.
 Testing device, Live-line-. G. A. Iler. 1,684,768; Sept. 18.
 Testing device, Live-line and insulator. G. A. Iler. 1,684,798; Sept. 18.
 Testing device, Spark-plug-. R. H. Myers. 1,695,557; Dec. 18.
 Testing eggs, Apparatus for. D. J. Cook. 1,662,598; Aug. 28.
 Testing equipment for automatic telephone systems. F. T. Madsen. 1,679,316; July 31.
 Testing fragile articles, Method and apparatus for. J. T. Robin. 1,672,077; June 5.
 Testing frame, Curtain-. W. H. Jury. 1,680,547; Aug. 14.
 Testing gauge, Brake-. W. M. Cronk. 1,676,774; July 10.
 Testing instrument. R. B. Lewis. 1,694,187; Dec. 4.
 Testing instrument, Electrical. G. B. Rolfe. 1,681,367; Aug. 21.
 Testing lamp for heavy-current installations. J. F. Schleper. 1,694,605; Dec. 11.
 Testing machine. F. A. Hamilton. 1,675,802; July 3.
 Testing machine. W. J. Kent. 1,667,420; Apr. 24.
 Testing machine. D. J. McAdam. 1,660,270; Feb. 21.
 Testing machine. R. P. Stevenson. 1,679,751; Aug. 7.
 Testing machine. F. A. Valentine and D. C. Scott. 1,678,369; July 24.
 Testing machine, Brake-. W. K. Shone. 1,685,297; Sept. 25.
 Testing machine, Can-. C. D. McDonald. 1,694,132; Dec. 4.
 Testing machine, Flex-. T. Midgley. 1,678,017; July 24.
 Testing machine for inflatable tubes. F. E. Gilbreath and W. E. Wing. 1,659,972; Feb. 21.
 Testing machine for threaded members. E. Buckingham. 1,656,314; Jan. 17.
 Testing machine, Stretch-. R. P. Stevenson. 1,656,246; Jan. 17.
 Testing magnetizable objects. E. S. Imes. 1,686,815; Oct. 9.
 Testing magnetizable objects, Apparatus for. C. W. Burrows. 1,686,679; Oct. 9.
 Testing magnetizable objects, Method of and apparatus for. M. E. Berlowitz. 1,686,676; Oct. 9.

- Testing method and apparatus. F. W. Stockmeyer. 1,667,401; Apr. 24.
- Testing, Method of and apparatus for. W. A. Straw. 1,672,963; June 12.
- Testing or demonstrating apparatus. B. Haynes. 1,688,274; Oct. 16.
- Testing repeaters, Automatic system for. I. G. Wilson. 1,690,213; Nov. 6.
- Testing set for measuring line induction, Portable. C. T. Reisz. 1,673,422; June 12.
- Testing signaling systems, Method and apparatus for. J. G. Nolen. 1,679,228; July 31.
- Testing stand. C. W. Morgan. 1,659,041; Feb. 14.
- Testing storage batteries. H. I. Shire. 1,696,334; Dec. 25.
- Testing system and method, Electrical. W. P. Mason. 1,684,403; Sept. 18.
- Testing system, Electrical. R. G. McCurdy and P. W. Blye. 1,694,425; Dec. 11.
- Testing tank, Air-bag-. E. G. Templeton. 1,673,536; June 12.
- Testing taper holes. M. Bartholdy. 1,664,535; Apr. 3.
- Testing telephone circuits, Method and apparatus for. W. Wolff. 1,695,000; Dec. 11.
- Testing the aptitude of keyboard operators, Apparatus for. H. B. McChesney. 1,688,935; Oct. 23.
- Testing the position of the driving shafts in piston machines and the like, Device for. A. Steinle. 1,667,995; May 1.
- Testing the quality of cotton fibers and the like. G. Zweigle. 1,681,605; Aug. 21.
- Testing the spread of ink, Method and apparatus for. M. O. Schur. 1,691,739; Nov. 13.
- Testing vacuum tubes of the audion type, Apparatus for. W. N. Goodwin, Jr. 1,689,871; Oct. 30.
- Testing vision. J. Z. A. Denison. 1,686,962; Oct. 9.
- Tetra-ethyl lead, Manufacturing. W. S. Calcott, A. E. Parmelee and F. R. Lorrman. 1,664,021; Mar. 27.
- Tetranitrate, Production of erythritol. F. H. Bergeim. 1,691,954; Nov. 20.
- Tetra-nitro-dianthrone, Making. B. Stein. 1,686,992; Oct. 9.
- Textile and other materials, Apparatus for acidulating. E. Moltinghen and J. Gaye. 1,674,786; June 26.
- Textile apparatus. H. D. Colman. 1,666,735; Apr. 17.
- Textile fabric. L. Barker. Des. 75,145; May 15.
- Textile fabric. L. Barker. Des. 76,908; Nov. 20.
- Textile fabric. A. H. Bien. Des. 74,776; Mar. 27.
- Textile fabric. L. Biva. Des. 75,003-8; May 1.
- Textile fabric. L. Biva. Des. 75,353; May 29.
- Textile fabric. L. Biva. Des. 75,604-6; June 26.
- Textile fabric. L. Biva. Des. 75,771; July 17.
- Textile fabric. L. Biva. Des. 76,599-600; Oct. 16.
- Textile fabric. J. S. Boyd. Des. 75,544; June 19.
- Textile fabric. J. S. Boyd. Des. 76,000; Aug. 14.
- Textile fabric. J. S. Boyd. Des. 76,219-24; Sept. 4.
- Textile fabric. J. S. Boyd. Des. 76,374; Sept. 25.
- Textile fabric. J. H. Bunting. Des. 75,545; June 19.
- Textile fabric. J. H. Bunting. Des. 76,277; Sept. 4.
- Textile fabric. J. H. Bunting. Des. 76,521; Oct. 9.
- Textile fabric. J. H. Bunting. Des. 76,607; Oct. 16.
- Textile fabric. J. H. Bunting. Des. 76,774; Nov. 6.
- Textile fabric. J. H. Bunting. Des. 76,849-50; Nov. 13.
- Textile fabric. J. H. Bunting. Des. 77,290-1; Dec. 25.
- Textile fabric. J. Castro. Des. 76,982-3; Nov. 27.
- Textile fabric. R. Cocking. Des. 76,123; Aug. 21.
- Textile fabric. E. Coene. Des. 77,293; Dec. 25.
- Textile fabric. F. D. Coppock. Des. 76,288; Sept. 11.
- Textile fabric. J. Derk. Des. 74,782; Mar. 27.
- Textile fabric. J. Derk. Des. 75,016; May 1.
- Textile fabric. M. Dubost. Des. 75,154; May 15.
- Textile fabric. M. Dubost. Des. 75,415-16; June 5.
- Textile fabric. M. Dubost. Des. 75,479; June 12.
- Textile fabric. C. Edlich. Des. 76,784; Nov. 6.
- Textile fabric. G. F. Erhard. Des. 74,876; Apr. 10.
- Textile fabric. G. F. Erhard. Des. 75,155; May 15.
- Textile fabric. C. F. Erhard. Des. 76,467-78; Oct. 2.
- Textile fabric. G. F. Erhard. Des. 76,787; Nov. 6.
- Textile fabric. W. Heller. Des. 76,188-9; Aug. 28.
- Textile fabric. H. Katims and E. Weiner. Des. 76,021; Aug. 14.
- Textile fabric. W. Kaufmann. Des. 75,162; May 15.
- Textile fabric. E. Kirchhoff. Des. 75,690; July 3.
- Textile fabric. E. Kirchhoff. Des. 75,736; July 10.
- Textile fabric. C. Lipper. 1,661,442; Feb. 28.
- Textile fabric. J. Mack. Des. 74,271; Jan. 17.
- Textile fabric. J. Mack. Des. 74,796-7; Mar. 27.
- Textile fabric. J. Mack. Des. 75,574; June 19.
- Textile fabric. W. H. Mayer, Jr. Des. 76,029; Aug. 14.
- Textile fabric. E. S. Mendelson. Des. 75,183-4; May 15.
- Textile fabric. A. Solomon. Des. 76,239; Sept. 11.
- Textile fabric. A. Solomon. Des. 76,502; Oct. 2.
- Textile fabric. W. H. Spowers. Des. 76,645; Oct. 16.
- Textile fabric. H. F. Tiedeman. Des. 75,880; July 24.
- Textile fabric. G. J. Virgile. Des. 76,648; Oct. 16.
- Textile fabric. E. Weiner and H. Katims. Des. 76,169; Aug. 21.
- Textile fabric and producing the same. E. M. Loveman. 1,686,630; Oct. 9.
- Textile fabric, Embroidered. W. Schmid. Des. 76,161-2; Aug. 21.
- Textile fabric or similar article. R. M. Rellihen. Des. 74,390; Feb. 7.
- Textile fabric or similar article. C. Sheft. Des. 75,660; June 26.
- Textile fabric or similar article of manufacture. A. H. Bien. Des. 76,912; Nov. 20.
- Textile fabric or similar article of manufacture. A. S. Cowan. Des. 74,356; Feb. 7.
- Textile fabric or similar article of manufacture. M. E. Hadad. Des. 76,865; Nov. 13.
- Textile fabric or similar article of manufacture. A. J. Heinke. Des. 74,175; Jan. 3.
- Textile fabric or similar article of manufacture. A. J. Heinke. Des. 74,670; Mar. 13.
- Textile fabric or similar article of manufacture. A. J. Heinke. Des. 75,242; May 22.
- Textile fabric or similar article of manufacture. A. J. Heinke. Des. 76,239; Sept. 4.
- Textile fabric or similar article of manufacture. A. J. Heinke. Des. 76,393; Sept. 25.
- Textile fabric or similar article of manufacture. S. G. Zarou. Des. 76,446; Sept. 25.
- Textile fabric or the like, Printed. L. J. Siracusano. Des. 77,331; Dec. 25.
- Textile fabrics, Manufacture of artificial. H. Dreyfus. 1,669,158; May 8.
- Textile fiber for spinning, Process of and apparatus for preparing. N. H. Midgley. 1,689,289; Oct. 30.
- Textile fibers from animal hair and bristles, Manufacture of. W. H. Schweitzer. 1,677,149; July 17.
- Textile fleece, Method of and apparatus for manufacturing. P. H. Walsh. 1,683,812; Sept. 11.
- Textile fluted rolls, Interchangeable journal for. A. M. Guillet. 1,659,261; Feb. 14.
- Textile goods, Process of and apparatus for cleaning. C. J. Früh. 1,682,841; Sept. 4.
- Textile machinery. D. M. Proctor. 1,659,441; Feb. 14.
- Textile machinery or the like, Automatically-controlled driving mechanism for. J. Robson. 1,655,739; Jan. 10.
- Textile material, Method and apparatus for forming. H. B. Hopson. 1,657,829; Jan. 31.
- Textile materials, Process and apparatus for conditioning. A. W. Thompson. 1,687,184; Oct. 9.
- Textile ranges, Method and means for operating. W. S. Rowley and H. W. Butterworth, Jr. 1,692,955; Nov. 27.
- Textiles, Method and chemical mixture for producing broadened. H. Flory. 1,655,414; Jan. 10.
- Theater chair. E. J. Fagan. 1,659,484; Feb. 14.
- Theater chair. H. Siskin. 1,657,285; Jan. 24.
- Theater dimmer and the like. R. B. Hunter. 1,669,521; May 15.
- Theater-seat annunciator. G. W. Westervel. 1,668,929; May 8.
- Theater structure. C. E. Fowler. 1,660,263; Feb. 21.
- Theatrical novelty. J. A. Partington. 1,670,739; May 22.
- Theft alarm. S. M. Kalikow. 1,658,848; Feb. 14.
- Theft-preventing device. J. F. Raleigh. 1,659,702; Feb. 21.
- Theft-preventing device. J. F. Raleigh. 1,667,986; May 1.
- Theft-preventing device. J. F. Raleigh. 1,687,734; Oct. 16.
- Theft-preventing device. D. R. Taber. 1,686,045; Oct. 2.
- Theft-preventing device. J. F. White. 1,678,174; July 24.
- Theft signal switch. J. P. Bradley and O. A. Prough. 1,667,650; Apr. 24.
- Theme finder. W. O. Miessner. 1,688,824; Oct. 23.
- Therapeutic apparatus. C. W. Mowry. 1,669,484; May 15.
- Therapeutic bougies. K. von Neergaard. 1,661,588; Mar. 6.
- Therapeutic composition. S. F. Amacker. 1,686,062; Oct. 2.
- Therapeutic device for use in buccal cavities. D. B. Catlin. 1,657,148; Jan. 24.
- Therapeutic implement. F. Kahl. 1,695,107; Dec. 11.
- Therapeutic percussor. W. H. Sweetland. 1,660,821; Feb. 28.
- Therapeutic shoe. C. Miller and M. Feinstein. 1,693,398; Nov. 27.
- Therapy apparatus, Colonic. O. B. Schellberg. 1,696,018; Dec. 18.
- Thermal and electroresponsive device. A. Cohn. 1,692,486; Nov. 20.
- Thermal circuit closer. L. Grayson. 1,682,959; Sept. 4.
- Thermal-control device. C. Aalborg. 1,669,544; May 15.
- Thermal-control switch. A. J. Mottlau. 1,689,795; Oct. 30.
- Thermal cut-out. M. J. Sandin. 1,693,404; Nov. 27.
- Thermal-cut-out construction. J. F. Sloan. 1,684,522; Sept. 18.
- Thermal indicator. W. R. Heslewood. 1,692,301; Nov. 20.
- Thermal plug cut-out. E. K. Clark. 1,684,170; Sept. 11.
- Thermal protective system. H. Beiersdorf. 1,693,362; Nov. 27.
- Thermal regulator. H. S. Gano. 1,675,340; July 3.
- Thermal relay. H. S. Gano. 1,693,379; Nov. 27.
- Thermal-responsive device. A. Cohn and K. Müller. 1,658,669; Feb. 7.
- Thermionic apparatus. F. Holweck. 1,680,381; Feb. 28.
- Thermionic apparatus. F. Holweck. 1,666,460; Apr. 17.
- Thermionic tube. H. Cohn. 1,682,775; Sept. 4.
- Thermionic tube, Double-grid. M. von Ardenne. 1,685,253; Sept. 52.
- Thermite welding practice, Preventing slag surge in. D. C. Dickson. 1,671,413; May 29.
- Thermocouple. W. A. Darrah. 1,667,142; Apr. 24.
- Thermodynamic effects, Apparatus for producing. R. W. Davenport. 1,680,454; Aug. 14.

- Thermodynamic energy, Method of and apparatus for generating. H. Richardson and A. Holm. 1,693,910; Dec. 4.
- Thermoelectric control device. T. J. Madigan. 1,683,252; Sept. 4.
- Thermoelectric generator. T. S. Fuller, N. H. Adams, and F. G. Nolte. 1,677,029; July 10.
- Thermoelectric generator. C. W. Woodruff. 1,664,720; Apr. 3.
- Thermoelectric heater. A. Torriani. Re17,093; Oct. 2.
- Thermoelectric switch. A. U. Hook. 1,695,103; Dec. 11.
- Thermometer. H. B. Brown. 1,675,531; July 3.
- Thermometer. E. B. Foote. 1,685,193; Sept. 25.
- Thermometer. B. H. Harris. 1,692,551; Nov. 20.
- Thermometer. O. A. Holmes. 1,678,389; July 24.
- Thermometer. G. Joannes. 1,670,577; May 22.
- Thermometer. R. E. Mann. Des. 74,798; Mar. 27.
- Thermometer. H. Y. Norwood. 1,692,381; Nov. 20.
- Thermometer. A. D. Rose. Des. 76,421; Sept. 25.
- Thermometer and making the same. M. E. Moeller. 1,672,851; June 5.
- Thermometer and sterilizing case, Clinical. L. Eisele. 1,667,248; Apr. 24.
- Thermometer, Bath. J. D. Sartakoff. 1,688,832; Oct. 23.
- Thermometer case. E. McWilliam. 1,672,388; June 5.
- Thermometer, Clinical. W. H. Jones. 1,693,299; Nov. 27.
- Thermometer frame. L. V. Lavell. Des. 76,404; Sept. 25.
- Thermometer, Indoor-outdoor. H. Schlaich. 1,691,136; Nov. 13.
- Thermometer, Nursery-bath. A. Zadek. 1,668,930; May 8.
- Thermometer tubes, Making. A. T. Hespe. 1,696,400; Dec. 25.
- Thermometer unit. V. R. Jose, jr. 1,670,507; May 22.
- Thermometer well. L. F. Campbell and G. Rothweiler. 1,675,210; June 26.
- Thermometric electric-circuit closer, Protected. E. B. Wilson. 1,655,119; Jan. 3.
- Thermostat. V. A. Boker. 1,665,341; Apr. 10.
- Thermostat. J. E. Bolling. 1,666,192; Apr. 17.
- Thermostat. L. J. Greenawalt. 1,687,764; Oct. 16.
- Thermostat. L. P. Hynes. 1,664,778; Apr. 3.
- Thermostat. H. R. Loranger and D. Parshall. 1,673,255; June 12.
- Thermostat. P. S. Martin. 1,683,908; Sept. 11.
- Thermostat. R. F. Massa. Re16,940; Apr. 24.
- Thermostat. H. E. Rider. 1,694,928; Dec. 11.
- Thermostat. G. G. Royer. 1,663,566; Mar. 27.
- Thermostat. H. J. Sauvage. 1,683,264; Sept. 4.
- Thermostat. L. W. Schnepf. 1,665,719; Apr. 10.
- Thermostat. W. J. Smith. 1,687,230; Oct. 9.
- Thermostat. J. A. Spencer. 1,678,407; July 24.
- Thermostat. E. H. White. 1,689,542; Oct. 30.
- Thermostat control for cooking utensils. J. H. Hammond, jr. 1,664,551; Apr. 3.
- Thermostat control for radiator valves. E. V. Hill. 1,682,905; Sept. 4.
- Thermostat, Dual. J. H. Swan. 1,660,586; Feb. 28.
- Thermostat, Electrically-operated. G. H. Whittingham. 1,678,372; July 24.
- Thermostat mounting. E. T. Vincent. Des. 76,211; Aug. 28.
- Thermostatic brake. F. N. Connet. 1,665,201; Apr. 10.
- Thermostatic control. R. C. Cheshier. 1,676,478; July 10.
- Thermostatic control. S. E. Skinner. 1,672,854; June 5.
- Thermostatic control. R. S. Tice. 1,681,446; Aug. 21.
- Thermostatic control device. F. W. Grundman. 1,661,348; Mar. 6.
- Thermostatic control device. J. C. Woodson. 1,662,556; Mar. 13.
- Thermostatic control for electric switches. J. R. Cook. 1,679,649; Aug. 7.
- Thermostatic control for generators. C. Ringwald. 1,664,089; Mar. 27.
- Thermostatic control for radiators. E. S. Porter. 1,669,880; May 15.
- Thermostatic control for speedometers. J. Zubaty. 1,672,189; June 5.
- Thermostatic control for water heaters. L. S. Chadwick and M. Resek. 1,673,900; June 19.
- Thermostatic control of carburetors. A. Taub. 1,694,759; Dec. 11.
- Thermostatic control of electric circuits and apparatus and other devices. J. G. Goodhue. 1,695,546; Dec. 18.
- Thermostatic control system. H. J. Sauvage. 1,686,766; Oct. 9.
- Thermostatic controlling device. C. B. Sawyer. 1,661,349; Mar. 6.
- Thermostatic controlling mechanism. C. B. Sawyer. 1,661,346-7; Mar. 6.
- Thermostatic current control. O. Q. Beckworth. 1,665,014; Apr. 3.
- Thermostatic cut-off. A. Stockstrom. 1,664,331; Mar. 27.
- Thermostatic device. J. L. Brown. 1,679,070; July 31.
- Thermostatic device. E. K. Clark. 1,695,879; Dec. 18.
- Thermostatic device. V. G. Vaughan. 1,689,809; Oct. 30.
- Thermostatic device, Compensating. A. G. Hann. 1,656,706 Jan. 17.
- Thermostatic element. P. H. Brace. 1,689,814; Oct. 30.
- Thermostatic element, Flexible. W. H. Himes. 1,669,561; May 15.
- Thermostatic material. P. H. Brace. 1,660,911; Feb. 28.
- Thermostatic material. V. G. Vaughan. 1,678,889; July 31.
- Thermostatic overload switch. B. E. Getchell. 1,677,334; July 17.
- Thermostatic regulator. C. H. Hapgood. 1,677,340; July 17.
- Thermostatic regulator. A. J. Mottlau. 1,668,973; May 8.
- Thermostatic regulator. A. J. Mottlau. 1,680,428; Aug. 14.
- Thermostatic regulator. A. J. Mottlau. 1,686,634; Oct. 9.
- Thermostatic regulator. R. T. Williams. 1,671,915; May 29.
- Thermostatic switch. C. J. Fay. 1,664,201; Mar. 27.
- Thermostatic switch. F. F. Forshee. 1,669,608; May 15.
- Thermostatic switch. H. D. Matthews. 1,680,426; Aug. 14.
- Thermostatic switch. R. R. Stitt and C. F. Warrick. 1,659,058; Feb. 14.
- Thermostatic trap. J. L. Fitts. 1,656,372; Jan. 17.
- Thermostatic trap. J. L. Fitts. 1,656,373; Jan. 17.
- Thermostatically-actuated switch. G. O. Wilms. 1,674,078; June 19.
- Thermostatically-controlled mechanism. O. C. Schroeder. 1,670,010; May 15.
- Thermostatically-controlled mechanism. O. C. Schroeder. 1,670,746; May 22.
- Thermostatically-controlled switch. R. D. Mailey. 1,676,794; July 10.
- Thermostatically-operated switch. E. L. Benson. 1,692,540; Nov. 20.
- Thermostats, Method and apparatus for setting. D. N. Crosthwait, jr. 1,661,323; Mar. 6.
- Thermostats, Method and apparatus for setting. D. N. Crosthwait, jr. 1,694,164; Dec. 4.
- Thiazoles, Preparing. L. B. Sebrell and J. Teppema. 1,662,015; Mar. 6.
- Thiazoles, Preparing. L. B. Sebrell and J. Teppema. 1,669,630; May 15.
- Thickening apparatus. H. S. Coe. 1,686,203; Oct. 2.
- Thickness gauge. R. W. Michler. 1,661,701; Mar. 6.
- Thimble. C. Y. Jones. Des. 74,309; Jan. 24.
- Thimble for pipes, Plate. J. W. Farley. 1,695,645; Dec. 18.
- Thimble, Ventilator. H. S. Hart. 1,692,775; Nov. 20.
- Thiocarbamide, Liquid solution of. H. Gray. 1,690,166; Nov. 6.
- Thiocarbazides of the naphthalene series, Manufacture of. G. M. Dyson, F. A. Mason and A. Renshaw. 1,673,498; June 12.
- Thistle buds from peas, Separating. O. S. Sells. 1,683,703; Sept. 11.
- Thorium from its vaporizable compounds, Deposition of. J. W. Marden, T. P. Thomas, and J. E. Conley. 1,675,120; June 26.
- Thrasher, Combination harvester. W. F. MacGregor. 1,686,828; Oct. 9.
- Thrashers, Bagging platform and carrier attachment for harvester. C. R. Raney and A. E. W. Johnson. 1,677,490; July 17.
- Thrashers, Conveying and feeding mechanism for harvester. C. R. Raney and A. E. W. Johnson. 1,687,391; Apr. 24.
- Thrashing machine. G. F. Nye. 1,670,273; May 15.
- Thrashing machine. F. Schlayer. 1,688,662; Oct. 23.
- Thrashing machine. F. J. Wood. 1,682,207; Aug. 28.
- Thrashing machine. W. H. Worthington. 1,689,314; Oct. 30.
- Thrashing-machine hood attachment. F. and A. Kohls. 1,657,403; Jan. 24.
- Thrashing machinery. L. F. Trapp. 1,672,011; June 5.
- Thrashing machines, Dockages screen for. S. N. Sorensen. 1,663,027; Mar. 20.
- Thread and making same, Artificial. L. Lilienfeld. 1,683,199; Sept. 4.
- Thread cleaner. H. J. Hufford. 1,676,187; July 3.
- Thread cleaner. E. C. Neu. 1,679,253; July 31.
- Thread-cleaner bracket. P. Dargert, H. Frey, and J. J. Dunleavy. 1,687,546; Oct. 16.
- Thread-controlling device. A. F. Fifield. 1,673,355; June 12.
- Thread cops, Support for. J. R. Mowat. 1,666,216; Apr. 17.
- Thread-correcting device. E. O. Williamson. 1,683,114; Sept. 4.
- Thread cutter. E. F. Barrett. 1,659,512; Feb. 12.
- Thread cutter. H. P. Bostaph. 1,666,162; Apr. 17.
- Thread cutter for sewing machines. H. L. Willis. 1,684,612; Sept. 18.
- Thread cutter, Shuttle-feeler. C. H. Draper. 1,666,442; Apr. 17.
- Thread-cutting die. A. J. Prance. 1,655,563; Jan. 10.
- Thread-cutting machines and making same, Tool control for. H. W. Tranter. 1,660,824; Feb. 28.
- Thread-cutting temples, Self-contained mechanism for intermittent. G. H. Willard. 1,658,012; Jan. 31.
- Thread-forming mechanism. H. L. Blood. 1,696,225; Dec. 25.
- Thread gauge, Taper-. C. G. Johnson. 1,671,032; May 22.
- Thread gauge, Universal. C. J. Schen. 1,661,857; Mar. 6.
- Thread guard and spinning-ring holder. C. D. White. 1,660,462; Feb. 28.
- Thread guide. J. D. Joyce. 1,657,576; Jan. 31.
- Thread guide for shuttles and the like. J. B. Baudelin. 1,690,531; Nov. 6.
- Thread-handling mechanism. H. D. Colman. 1,684,945; Sept. 18.

- Thread-hobbing machine, Full automatic. J. A. Doane. 1,659,247; Feb. 14.
- Thread moistener. C. H. Giebler. 1,678,697; July 31.
- Thread or the like, Covered elastic. L. B. Chisholm. 1,655,089; Jan. 3.
- Thread-partier-operating mechanism, Shuttle-feeler. J. R. Reece. 1,687,464; Oct. 9.
- Thread. Producing fibrous. J. J. de la Roza, jr. 1,681,223; Aug. 21.
- Thread protector. F. J. Shrum. 1,675,142-3; June 26.
- Thread protector. F. J. Spang. 1,674,993; June 26.
- Thread protectors, Making. P. J. Shrum. 1,672,694; June 5.
- Thread restorer. J. P. Nestor. 1,694,229; Dec. 4.
- Thread-rolling machine. F. S. Kochendorfer. 1,684,799; Sept. 18.
- Thread, Short-stretch covered elastic. R. C. Hall. 1,679,822; Aug. 7.
- Thread spinning and twisting units, Flier construction for. F. C. Werber. 1,671,753; May 29.
- Thread-spooler guide. C. F. Royce. 1,662,475; Mar. 13.
- Thread-spooling machines, Skein holder for. X. Brügger. 1,664,155; Mar. 27.
- Thread-supporting device. M. L. Martz. 1,692,132; Nov. 20.
- Thread-tensioning device. A. L. Remington. 1,662,209; Mar. 13.
- Thread-waxing device. E. J. Ray. 1,690,246; Nov. 6.
- Thread-winding machine. H. E. Ellsworth. 1,673,815; June 19.
- Thread-winding machines, Tensioning device for. W. J. Eldridge. 1,662,003; Mar. 6.
- Threaded connecting member. E. L. Delany and R. P. Charles. 1,688,269; Oct. 16.
- Threader for paper-drying machines. L. M. Avenson. 1,670,873; May 22.
- Threading die. C. F. Cox. 1,672,676; June 5.
- Threading die. G. E. Eastham. 1,675,259; June 26.
- Threading machine. C. Schramm. 1,688,752; Oct. 23.
- Threading machines and the like, Die head for. L. S. Hall. 1,655,642; Jan. 10.
- Threads and the like and apparatus therefor, Manufacture of artificial. C. F. Topham. 1,671,878; May 29.
- Threads, Coating for textile. E. Pohl. 1,681,745; Aug. 21.
- Threads, Device for singeing. A. Mettler. 1,665,970; Apr. 10.
- Threads, films, and the like from cellulose derivatives, Manufacture of. E. Berl. 1,679,850; Aug. 7.
- Threads, Forming tapered. J. D. Merrifield. 1,656,594; Jan. 17.
- Threads, Hobbing. E. Wildhaber. 1,688,768; Oct. 23.
- Threads, ribbons, films, and the like of viscose, Precipitating artificial. A. Kämpf. 1,654,818; Jan. 3.
- 3,4 diamino benzoyl o-benzoic acids and making the same. R. Adams, J. M. Davidson and I. Gubelmann. 1,663,229; Mar. 20.
- 3,4-dichloroaniline, Purification of. Gubelmann, H. J. Weiland, and O. Stallmann. 1,663,251; Mar. 20.
- 3'-5'-diamino-4'-hydroxy-ortho-benzoyl-benzoic acid and making the same. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,659,359; Feb. 14.
- 3'-5'-dinitro-4'-hydroxy-ortho-benzoyl-benzoic acid and making the same. I. Gubelmann, H. J. Weiland, and O. Stallmann. 1,659,358; Feb. 14.
- 3- or 5-iodo pyridine, Derivatives of. C. Râth. 1,672,340; June 5.
- Throttle, Balanced multiple. R. M. Brown. 1,662,955; Mar. 20.
- Throttle control, Reversing-propeller. C. F. Jenkins. 1,694,220; Dec. 4.
- Throttle, Reversible drill. R. A. Norling. 1,695,777; Dec. 18.
- Throttle stop, Automatic. C. F. Taylor. 1,660,731; Feb. 28.
- Throwing-off device. G. P. Slater. 1,691,830; Nov. 13.
- Thrust-collar equalization. D. C. Davis. 1,689,195; Oct. 30.
- Thymol from umbellulone, Manufacture of. E. K. Nelson. 1,666,342; Apr. 17.
- Ticker tape, Mechanism for controlling the tension of. B. A. Proctor. 1,666,308; Apr. 17.
- Ticker tape, Tension-control. B. A. Proctor. 1,666,306; Apr. 17.
- Ticket and producing the same. C. A. Freeman. 1,692,405; Nov. 20.
- Ticket and program holder. A. H. Eberhardt, jr. 1,672,883; June 12.
- Ticket, Carnival. E. D. Bates. 1,691,455; Nov. 13.
- Ticket carrier. F. P. Lawrence and S. M. Hardaway. 1,661,570; Mar. 6.
- Ticket, Clothing. W. M. Schlegelmilch. 1,682,540; Aug. 28.
- Ticket cutter. W. M. Rogers. 1,670,522; May 22.
- Ticket-dating machine. F. B. Freed. 1,673,503; June 12.
- Ticket holder. M. H. A. Duncan. 1,666,006; Apr. 10.
- Ticket-issuing apparatus. A. C. Aspinall and L. E. Cowey. 1,668,136; May 1.
- Ticket-issuing machine. J. S. Arcus and R. E. Beaubien. 1,696,180; Dec. 25.
- Ticket or coupon, Order. C. Manshel. 1,689,444; Oct. 30.
- Ticket or tag attaching machine. F. Kohnle. 1,667,810; May 1.
- Ticket, Pin. F. H. Thompson. 1,661,583; Mar. 6.
- Ticket printing and issuing machine. H. R. Setright. 1,663,467; Mar. 20.
- Ticket, Roll pin. G. W. Henry, jr. 1,690,976; Nov. 6.
- Ticket strip, Marking. F. W. Laencher. 1,678,675; July 31.
- Ticketing machines, Stopping and starting mechanism for. G. W. Henry, jr. 1,690,975; Nov. 6.
- Tickets holder. L. Genest. 1,665,057; Apr. 3.
- Tide motor. E. Cole. 1,670,140; May 15.
- Tide-water machine. P. Schmitz. 1,674,067; June 19.
- Tides, Process and installation for the electromechanical utilization of. A. Defour. 1,659,481; Feb. 14.
- Tie: See—
- | | |
|------------------------|----------------------|
| Adjustable-length tie. | Package tie. |
| Adjustable tie. | Rail tie. |
| Bow tie. | Railroad tie. |
| Box strap tie. | Railway tie. |
| Metal railroad tie. | Structural-form tie. |
- Tie. S. P. Britts. 1,673,099; June 12.
- Tie. C. J. Gruber. 1,659,260; Feb. 14.
- Tie. E. J. Schultz. 1,676,291; July 10.
- Tie and fastener. J. G. and A. N. Snyder. 1,670,994; May 22.
- Tie clip. W. A. Ormsbee. Des. 76,412; Sept. 25.
- Tie elements, Making. H. E. Kondolf. 1,690,865; Nov. 6.
- Tie holder. D. Murphy. 1,670,271; May 15.
- Tie holder. W. A. Ormsbee. Des. 74,697; Mar. 13.
- Tie holder. R. H. Ridgeway. 1,665,477; Apr. 10.
- Tie nipper. W. W. Major and J. C. Carpenter, jr. 1,695,660; Dec. 18.
- Tie plate. E. H. Bell. 1,669,441; May 15.
- Tie plate. R. G. Glass and O. H. Baker. 1,673,818; June 19.
- Tie plate. W. H. Koch. 1,675,178; June 26.
- Tie plate and joint brace. N. E. Barnes. 1,655,305; Jan. 3.
- Tie plate and rail anchor, Combination. L. J. Berg. 1,680,586; Aug. 14.
- Tie plate and rail anchor, Combined. E. J. Henggi. 1,693,275; Nov. 27.
- Tie plate and rail clamp, Combined. E. Dial. 1,671,181; May 29.
- Tie plate, Cushion. R. E. Tupper. 1,659,844; Feb. 21.
- Tie plates, Forming. M. Ovestrud. 1,684,107; Sept. 11.
- Tie press. O. W. Mortenson, G. E. Thelin, and K. F. Norrhagen. 1,683,255; Sept. 4.
- Tie press. G. A. Strub. 1,657,647; Jan. 31.
- Tie press and rack, Combination. H. B. Minnick. 1,667,264; Apr. 24.
- Tie rod. J. B. Hawley, jr. 1,667,252; Apr. 24.
- Tie-rod ends, Making. G. H. Hufferd. 1,663,254; Mar. 20.
- Tie rod for concrete forms. J. B. Hawley, jr. 1,667,253; Apr. 24.
- Tie splice, Cotton-. P. L. Howlett. 1,677,828; July 17.
- Tie-wire bundle. P. Wright. 1,674,311; June 19.
- Ties, Device for supporting. J. Roura. 1,667,679; Apr. 24.
- Tiering machine. B. Stockfleth and F. W. Burger. 1,665,680; Apr. 10.
- Tightening and gripping device for string employed in the tying of parcels. H. J. Buchanan-Wollaston. 1,687,856; Oct. 16.
- Tile. C. Gross. 1,672,886; June 12.
- Tile. W. P. Kellett. 1,682,379; Aug. 28.
- Tile. P. O'Dwyer. 1,692,383; Nov. 20.
- Tile. E. Parker. 1,694,665; Dec. 11.
- Tile and other plastic products, Apparatus for making. J. B. and G. Terres. 1,654,669; Jan. 3.
- Tile and wall construction, Building. T. Rota. 1,679,684; Aug. 7.
- Tile, Building. P. H. Berier. 1,654,631; Jan. 3.
- Tile, Building. G. F. Boes. 1,670,095; May 15.
- Tile, Building. H. Bowles. 1,656,163; Jan. 17.
- Tile, Building. J. G. MacVeigh and P. B. Collins. 1,687,342; Oct. 9.
- Tile clay products and apparatus therefor, Making. H. A. Shugart. 1,695,119; Dec. 11.
- Tile cutter. G. Koehler. 1,661,897; Mar. 6.
- Tile, Enameled sheet-metal. W. Thomas. 1,687,355; Oct. 9.
- Tile for water-tube boilers, Wall or baffle. C. W. Wehmeyer. 1,688,603; Oct. 23.
- Tile, Hollow. J. Strand. 1,664,867; Apr. 8.
- Tile, Making. T. C. and W. O. Prouty. 1,677,098; July 10.
- Tile-making machine. C. O. Brandell. 1,659,349; Feb. 14.
- Tile marking and cutting gauge. H. Schmidt. 1,680,805; Aug. 14.
- Tile, Mechanical shaker for ceramic. L. S. Jones, C. G. Henrikson, and G. W. Fisher. 1,662,779; Mar. 13.
- Tile, Metal. J. C. De Vol. 1,662,456; Mar. 13.
- Tile or analogous simulation. S. Greenebaum. 1,657,159; Jan. 24.
- Tile or article of similar nature. E. H. Gibian. Des. 75,790-1; July 17.
- Tile or article of similar nature. L. Gunther and E. H. Gibian. Des. 75,793; July 17.
- Tile or article of similar nature. F. Sohn and L. G. Marmion. Des. 75,812-13; July 17.
- Tile, Paving. J. R. Gammeter. 1,661,037; Feb. 28.
- Tile, Producing handmade. J. R. Warfield. 1,663,106; Mar. 20.

- Tile-receiving machine. J. J. Semashko. 1,661,969; Mar. 6.
- Tile, Sanitary wall. A. Goodell. 1,693,438; Nov. 27.
- Tile simulation. J. G. Waldron. 1,669,639; May 15.
- Tile, Weight-supporting. N. D. Smith. 1,677,907; July 24.
- Tiled wall or the like. G. D. Haines. 1,686,812; Oct. 9.
- Tiles, Apparatus for the manufacture of roofing. F. A. Wilson. 1,695,132; Dec. 11.
- Tiling. W. C. Magruder. 1,677,039; July 10.
- Tiling, Sheet wall. G. L. Bennett. 1,664,396; Apr. 3.
- Till, Money. J. R. McLellan. 1,666,605; Apr. 17.
- Tiller. T. W. Hicks. 1,670,539; May 22.
- Tiller. T. W. Hicks. 1,682,224; Aug. 28.
- Tiller. T. W. Hicks. 1,691,351-2; Nov. 13.
- Tiller. H. von Raussendorf. 1,662,088; Mar. 13.
- Tiller for outboard motors. H. L. Johnson. 1,689,032; Oct. 23.
- Tilling implement, Land-. J. E. Boda. 1,670,838; May 22.
- Tilttable furnace. G. Schmitt. 1,695,863; Dec. 18.
- Tilttable multiple-contact switch. K. Bayerle. 1,675,205; June 26.
- Tilting automobiles, Apparatus for. J. R. Holcombe. 1,639,284; Oct. 30.
- Tilting chair. D. R. Collier. 1,678,668; July 31.
- Tilting device for vehicles. A. Williamson. 1,692,715; Nov. 20.
- Tilting mechanism for dumping bodies. G. W. Berry. Re17,130; Nov. 13.
- Timber and continuous process for making the same from waste material, Artificial. J. J. Hinde. 1,659,688; Feb. 21.
- Timber clamp. G. B. Bosco. 1,682,658; Aug. 28.
- Timber clamp. G. B. Bosco. 1,692,152; Nov. 20.
- Timber conveyer. F. Burns. 1,662,812; Mar. 12.
- Timber for the destruction of the borer, larvæ, beetles, or other pest, Treatment of. A. M. Kobiolke. 1,672,326; June 5.
- Time and temperature control of heating elements. G. H. Hart. 1,690,898; Nov. 6.
- Time-clock indicator. F. E. Crawford. 1,680,321; Aug. 14.
- Time control of fuel injection for internal-combustion engines. E. L. Lowe. 1,693,932; Dec. 4.
- Time-controlled apparatus. C. M. Peacock. 1,667,356; Apr. 24.
- Time-controlled mechanism. C. M. Creek and A. E. Long. 1,676,253; July 10.
- Time-controlled switch. S. Jiménez. 1,658,900; Feb. 14.
- Time-controlled switch, Automatic. D. S. Kniznik. 1,673,049; June 12.
- Time-element device. L. S. Walle. 1,694,240; Dec. 4.
- Time-element electroresponsive device. G. R. Townsend. 1,695,723; Dec. 18.
- Time-element electroresponsive device. G. R. Townsend. 1,695,748; Dec. 18.
- Time indicator. P. H. Hickey. Des. 75,687; July 3.
- Timepieces, Operating mechanism for. N. D. Holbrook. 1,662,920; Mar. 20.
- Time recorder. J. W. Bryce and A. M. Robinson. 1,671,968; June 5.
- Time recorder. W. E. Laird. 1,670,683; May 22.
- Time recorder. S. E. Swick. 1,672,009; June 5.
- Time recorder. J. W. Yates. 1,639,905; Oct. 30.
- Time switch. J. Clifton, J. Robinson, and J. Spencer. 1,662,697; Mar. 13.
- Time switch. E. S. Flarsheim. 1,677,107; July 10.
- Time switch. W. A. Frantz. 1,666,129; Apr. 17.
- Time switch. H. H. Kempf. 1,694,472; Dec. 11.
- Time switch. J. G. H. Liebel and E. S. Flarsheim. 1,677,106; July 10.
- Time switch. R. D. Mailey. 1,666,904; Apr. 24.
- Time switch. J. C. Miller. 1,669,770; May 15.
- Time switch, Coin-controlled. L. D. Slusser. 1,696,364; Dec. 25.
- Time switch, Coin-operated rotary. L. C. Eppler. 1,660,956; Feb. 28.
- Time switch, Electrical. G. Burgess. 1,675,292; June 26.
- Time switch, Rotary. J. W. Peyton, and J. E. Lipschutz. 1,679,781; Aug. 7.
- Time table, ticket holder, and advertising device, Combined. L. R. Waterman. 1,690,083; Oct. 30.
- Timer. A. W. Kaufman. 1,686,159; Oct. 2.
- Timer. C. Knapp. 1,673,516; June 12.
- Timer. M. Mallory. 1,683,392; Sept. 4.
- Timer. F. J. Palky. 1,678,161; July 24.
- Timer. C. A. Parker. 1,668,780; May 8.
- Timer. C. F. Rogers. 1,681,366; Aug. 21.
- Timer. A. J. Smith. 1,670,751; May 22.
- Timer. R. Varley. 1,655,803; Jan. 10.
- Timer and distributor, Combined. C. F. Gilchrist and H. R. Patterson. 1,676,185; July 3.
- Timer, Multiple. T. J. Barrett. 1,663,187; Mar. 20.
- Timing apparatus. P. J. Walsh. 1,665,804; Apr. 10.
- Timing device. G. Deakin. 1,661,249; Mar. 6.
- Timing device. H. F. Delmanhorst. 1,655,760; Jan. 10.
- Timing device. W. T. Palmer. 1,691,408; Nov. 13.
- Timing device, Differential. R. La France. 1,685,166; Sept. 52.
- Timing device for package-wrapping machines. B. W. Quick. 1,689,404; Oct. 30.
- Timing device for pneumatic metal pumps. I. Tornberg. 1,689,698; Oct. 30.
- Timing mechanism. W. J. Miller. 1,684,064; Sept. 11.
- Timing switch, Rotary. J. Y. Hartman. 1,669,298; May 8.
- Timing the operations of concrete-mixing and other machines, Mechanism for. S. Shafer, jr. 1,675,733; July 3.
- Tin and arsenic compounds, Separating. W. T. Little. 1,670,307; May 22.
- Tin mixture from lead and tin alloys, Extracting. M. Speichert. 1,669,580; May 15.
- Tinned foods, Preventing the blackening of. K. Oshima. 1,686,393; Oct. 2.
- Tinner's roll. C. H. Wagner. 1,669,957; May 15.
- Tinning and retinning machine. F. T. Henry. 1,656,977; Jan. 24.
- Tinning apparatus. S. A. Davis. 1,663,444; Mar. 20.
- Tinning-cup attachment for blowtorches. H. F. Weinert. 1,685,258; Sept. 25.
- Tinning milk cans, Apparatus for. C. A. Comp. 1,662,103; Mar. 13.
- Tinning pot. P. E. Hunter. 1,685,162; Sept. 25.
- Tinning pot. J. J. Markey. Re16,922; Apr. 3.
- Tin plate. S. A. Davis. 1,663,445; Mar. 20.
- Tinplate and sheet bar sections, Device for boshing. D. J. Thomas and J. L. Vickery. 1,689,758; Oct. 30.
- Tinsel and the like and the manufacture thereof. W. H. Schneider. 1,680,303; Aug. 14.
- Tip. W. A. Vollmer. 1,685,578; Sept. 25.
- Tip-applying machine. C. J. Landin. 1,659,605; Feb. 21.
- Tippling device for wagons. C. R. Sirot. 1,693,874; Dec. 4.
- Tippling machine. E. R. Richards. 1,664,898; Apr. 3.
- Tire. A. Alexander. 1,688,322; Oct. 23.
- Tire. L. A. Brown. 1,662,599; Mar. 13.
- Tire. G. Buffo. 1,658,426; Feb. 7.
- Tire. E. W. Coleman. Des. 75,774; July 17.
- Tire. D. H. Fenton. Des. 74,363; Feb. 7.
- Tire. T. G. Graham and H. F. Schippel. Des. 75,792; July 17.
- Tire. R. W. Grant. Des. 74,262; Jan. 17.
- Tire. S. Holm. Des. 76,867; Nov. 13.
- Tire. G. Hubach. Des. 74,372; Feb. 7.
- Tire. A. E. Jones. Des. 75,850; July 24.
- Tire. R. H. Keaton. Des. 74,929; Apr. 17.
- Tire. J. H. Kolsiek. Des. 76,617; Oct. 16.
- Tire. J. H. Kolsiek. Des. 76,875; Nov. 13.
- Tire. F. Kovacs. Des. 77,104-5; Dec. 4.
- Tire. A. Kuspser. 1,661,373; Mar. 6.
- Tire. C. M. Manly. 1,678,014; July 24.
- Tire. R. H. Nesmith. Des. 76,886; Nov. 13.
- Tire. L. Orszag and P. Curcurnito. 1,696,051; Dec. 18.
- Tire. M. C. Overman. 1,685,955; Oct. 2.
- Tire. H. F. Schippel. Des. 75,590; June 19.
- Tire. J. Schraner. 1,696,059; Dec. 18.
- Tire. A. J. Shauks. Des. 74,454; Feb. 14.
- Tire. H. L. Venn. Des. 77,273-4; Dec. 18.
- Tire. J. Vrbanac. Des. 75,595; June 19.
- Tire. E. E. Werner. Des. 75,311; May 22.
- Tire alarm. L. Garrett. 1,662,968; Mar. 20.
- Tire and accessory carrier, Combination spare-. H. R. Tinker. 1,684,160; Sept. 11.
- Tire and luggage carrier. A. Grilli. 1,689,825; Oct. 30.
- Tire and rim. A. J. Michaud. 1,685,552; Sept. 25.
- Tire and rim construction. E. E. Wittkopp. 1,658,623; Feb. 7.
- Tire and rim holder Antitheft. M. W. Strickler. 1,656,451; Jan. 17.
- Tire and the like tubes, Method of and apparatus for forming. J. W. Auman. 1,668,390; May 1.
- Tire and wheel. S. C. Hatfield. 1,661,754; Mar. 6.
- Tire and wheel therefor, Pneumatic. J. M. de Aróstegui e Ybargüengoitia. 1,658,708; Feb. 7.
- Tire, Armored pneumatic. R. J. Talbott. 1,661,978; Mar. 6.
- Tire attachment. F. H. Barber. 1,672,019; June 5.
- Tire, Automobile. P. Abrechinski. 1,685,013; Sept. 18.
- Tire, Automobile. H. C. Anderson. 1,663,511; Mar. 20.
- Tire, Automobile. D. Ferrari. 1,658,632; Feb. 7.
- Tire, Automobile. H. C. Hower. Des. 77,235; Dec. 18.
- Tire bead. R. C. Pierce. 1,665,070; Apr. 3.
- Tire-bead construction. R. C. Pierce. 1,670,044; May 15.
- Tire-bead construction, Rubber-. C. W. McKone. 1,682,922; Sept. 4.
- Tire-bead-reinforcing element. R. C. Pierce. 1,669,173; May 8.
- Tire-bead-reinforcing elements, Making. A. C. Hopkins. 1,686,155; Oct. 2.
- Tire beads, Method and apparatus for the manufacture of. S. W. Alderfer. 1,666,038; Apr. 10.
- Tire beads, Weaving wire tape for. R. C. Pierce. 1,670,045; May 15.
- Tire boot. M. P. Cole. 1,666,002; Apr. 10.
- Tire boot. M. O. Haney. 1,666,009; Apr. 10.
- Tire boot. C. Henry. 1,665,094; Apr. 3.
- Tire boot, Inside. L. H. Voss. 1,657,289; Jan. 24.
- Tire boot or patch. M. C. Myers. 1,666,863; Apr. 17.
- Tire building. M. A. Marquette. 1,687,945; Oct. 16.
- Tire-building apparatus. G. L. Mather. 1,667,263; Apr. 24.
- Tire-building apparatus. T. Midgley. 1,680,162; Aug. 7.
- Tire-building apparatus. F. G. Neal. 1,659,634-5; Feb. 21.
- Tire-building cores, Carriage and bead-ring holder for. K. O. B. Textorius. 1,656,612; Jan. 17.
- Tire-building machine. D. E. Hennessy. 1,689,831; Oct. 30.
- Tire-building machine. P. W. Lehman. 1,686,282; Oct. 2.
- Tire-building machine. P. W. Lehman. 1,687,373; Oct. 9.

- Tire-building machine. J. A. Shively. 1,662,016; Mar. 6.
Tire-building machine. W. C. Stevens. 1,671,940; May 29.
Tire-building machine. G. F. Wikle. 1,659,583; Feb. 21.
Tire-building machine. G. F. Wikle. 1,667,135; Apr. 24.
Tire-building machine. G. F. Wikle. 1,693,419; Nov. 27.
Tire-building machines, Trimming device for. E. G. Templeton. 1,669,634; May 15.
Tire carcasses, Salvaging. F. W. Andrews. 1,673,219; June 12.
Tire carrier. O. E. Hunt. 1,679,972; Aug. 7.
Tire carrier. C. E. Jeffers. 1,656,521; Jan. 17.
Tire carrier. T. H. Lynn. 1,664,754; Apr. 3.
Tire carrier. F. W. Slack. 1,681,748; Aug. 21.
Tire carrier. E. A. Walters. 1,665,647; Apr. 10.
Tire carrier. C. F. Wasserfallen. 1,672,356; June 5.
Tire carrier. A. B. Werdehoff. 1,677,574; July 17.
Tire carrier and remover. W. W. Johnson. 1,662,974; Mar. 20.
Tire carrier and rim spreader, Combination. J. Larson. 1,655,869; Jan. 10.
Tire carrier and rim spreader, Spare-. C. P. Riegler. 1,682,147; Aug. 28.
Tire carrier and rim tool, Combination spare-. R. J. Dunham. 1,696,295; Dec. 25.
Tire carrier and tool kit. F. M. Harsin. 1,684,699; Sept. 18.
Tire carrier and vehicle bumper, Combined spring. D. H. O'Meara. 1,672,335; June 5.
Tire carrier, Automobile. D. Borror. 1,687,749; Oct. 16.
Tire carrier, Automobile. E. Francis. 1,686,231; Oct. 2.
Tire carrier, Spare-. A. M. Flynt. 1,694,439; Dec. 11.
Tire carrier, Spare-. A. L. Hooker. 1,679,422; Aug. 7.
Tire carrier, Spare-. M. Sindell. 1,668,926; May 8.
Tire carrier, Spare-. F. M. Small. 1,656,536; Jan. 17.
Tire carrier, Spare-. O. M. Walrath. 1,658,696; Feb. 7.
Tire carrier, Underslung. W. R. Green. 1,664,856; Apr. 3.
Tire carrier, Underslung. W. H. Neely. Re16,923; Apr. 3.
Tire carriers for automobiles, Making. E. C. Amsden. 1,657,448; Jan. 31.
Tire-carrying rim support. A. D. Long. 1,681,864; Aug. 21.
Tire casing. F. Leopold, jr. Des. 75,374; May 29.
Tire casing. F. Leopold, jr. Des. 76,195; Aug. 28.
Tire-casing spreader. J. F. Shevlin and S. E. Norton. 1,666,150; Apr. 17.
Tire casings, Building. T. Midgley. 1,664,259; Mar. 27.
Tire casings, Making multiple-bead. T. Midgley. 1,687,302; Oct. 9.
Tire casings, Plug inserter for. H. M. Watson. 1,657,810; Jan. 31.
Tire casings, Vulcanization of. G. J. Mead. 1,667,127; Apr. 24.
Tire chain. J. S. Donaldson. 1,660,955; Feb. 28.
Tire-chain carrier. F. L. Vordemfelde. 1,657,848; Jan. 31.
Tire-chain clip. J. L. Platt. 1,666,397; Apr. 17.
Tire-chain holder. M. Zaiger. 1,656,849; Jan. 17.
Tire-chain lock. E. P. Hurd. 1,689,437; Oct. 30.
Tire-chain lock. J. F. Raleigh. 1,654,752; Jan. 3.
Tire chain lock, Motor. J. T. Foster. 1,670,800; May 22.
Tire-chain support. J. P. Hotz. 1,658,712; Oct. 23.
Tire-chain tool. J. N. MacDonald. 1,653,995; Feb. 14.
Tire-changing apparatus. A. C. Senger. 1,677,052; July 10.
Tire closure. T. E. Adams. 1,660,902; Feb. 28.
Tire, Combination solid and pneumatic. M. Bowdan. 1,678,419; July 24.
Tire construction. W. A. Taylor. 1,688,671; Oct. 23.
Tire cover. R. B. Jellison. 1,689,438; Oct. 30.
Tire cover, Metal. H. F. Privett. 1,661,679; Mar. 6.
Tire cover, Pneumatic-. B. M. Terzibashian. 1,669,954; May 15.
Tire covering. J. H. van Putten and J. H. Sharpe. 1,680,961; Aug. 14.
Tire, Cushion. A. L. Alaj. 1,677,124; July 17.
Tire, Cushion. O. J. Kuhlke. 1,662,007; Mar. 6.
Tire, Cushion. I. W. Miller. 1,682,302; Aug. 28.
Tire, Cushion. J. H. Wagenhorst. 1,654,565; Jan. 3.
Tire-deflating machine. J. Wahl and O. Melzer. 1,658,314; Feb. 7.
Tire-deflation signal. H. R. Hughes. 1,685,325; Sept. 25.
Tire deflation, Signaling automobile. W. L. Rice. 1,668,821; May 8.
Tire deflator. E. P. Seghers. 1,677,301; July 17.
Tire expander, Metal-wheel-. C. B. Chandler. 1,667,509; Apr. 24.
Tire fabrics in continuous rolls, Making warpless. C. Kmentt. 1,661,184; Mar. 6.
Tire factories, Bead-ring remover for use in. F. Goodall. 1,663,697; Mar. 27.
Tire fastening and releasing means, Automatic. W. J. Laffey. 1,673,570; June 12.
Tire filler. M. J. Lyons. 1,681,357; Aug. 21.
Tire-finishing machine. H. A. Denndre. 1,664,163; Mar. 27.
Tire-finishing machine. E. D. Putt. 1,670,166; May 15.
Tire-finishing machine. E. D. Putt. 1,677,871; July 17.
Tire, Flap for. A. J. Michelin. 1,658,646; Feb. 7.
Tire flaps, Producing. K. B. Kilborn. 1,692,128; Nov. 20.
Tire, Folding emergency. J. B. Roberts. 1,669,176; May 8.
Tire for vehicles, Punctureproof. L. J. Wentzel. 1,669,583; May 15.
Tire for vehicles, Section. W. E. Celestin. 1,667,535; Apr. 24.
Tire for wheels, Cushion. H. A. Wells. 1,662,770; Mar. 13.
Tire gauge. T. F. Kearney. 1,681,771; Aug. 21.
Tire gauge. E. S. Marks. 1,670,685; May 22.
Tire gauge. R. V. Morse. 1,686,165; Oct. 2.
Tire gauge and indicator, Combined. I. J. Baker. 1,668,753; May 8.
Tire-gauge-indicating member. E. Vable. 1,668,663; May 8.
Tire heater. W. Wiley. 1,661,984; Mar. 6.
Tire-inflating apparatus. O. F. Flumerfelt. 1,676,139; July 3.
Tire-inflating mechanism. W. G. Cumming. 1,664,970; Apr. 3.
Tire-inflating valve and gauge, Combined. G. E. Farley. 1,666,283; Apr. 17.
Tire lock. K. Bettinardi. 1,662,294; Mar. 13.
Tire lock, Spare-. C. L. Johnson. 1,681,409; Aug. 21.
Tire lock, Spare-. J. Junkunc. 1,679,665; Aug. 7.
Tire-making machine. W. C. Stevens. 1,654,845; Jan. 3.
Tire-making machine. W. C. Stevens. 1,657,846; Jan. 31.
Tire-making machine. W. C. Stevens. 1,686,043; Oct. 2.
Tire-making mechanism. W. C. Stevens. 1,658,782; Feb. 7.
Tire mold. M. C. Nelson. 1,673,525; June 12.
Tire mold, Rubber-. E. W. Thurlow. 1,681,713; Aug. 21.
Tire molds, Making. C. A. Witter. 1,674,753; June 26.
Tire mounting for traction wheels. E. E. Einfeldt. 1,679,023; July 31.
Tire, Multiple-tube. B. F. Pagenhart. 1,679,444; Aug. 7.
Tire patch. M. J. Wilcox. 1,655,001; Jan. 3.
Tire, Pneumatic. G. F. Davidson. 1,678,211; July 24.
Tire, Pneumatic. F. A. Krusemark. 1,659,531; Feb. 14.
Tire, Pneumatic. S. Littman. 1,686,977; Oct. 9.
Tire, Pneumatic. J. Powell. 1,683,208; Sept. 4.
Tire-pressure gauge. J. E. and M. A. Kenney. 1,691,441; Nov. 13.
Tire-pressure gauge. W. Trehwella. 1,658,661; Feb. 7.
Tire-pressure indicator. A. L. Dentler and R. L. Lesch. 1,671,515; May 29.
Tire-protecting signal. J. E. and M. A. Kennedy. 1,686,089; Oct. 2.
Tire rack. C. M. Fannin. 1,686,741; Oct. 9.
Tire remover. S. L. Levitt. 1,667,351; Apr. 24.
Tire-repair patch. C. M. Semler. 1,692,054; Nov. 20.
Tire, Resilient. E. Fredrick. 1,664,674; Apr. 3.
Tire, Resilient vehicle. E. H. Fitch. 1,687,330; Oct. 9.
Tire, Resilient. J. C. Hitchner. 1,670,721; May 22.
Tire rim. I. M. Caldwell. 1,687,426; Oct. 9.
Tire rim. R. McNamara. 1,662,321; Mar. 13.
Tire rim, Automobile. B. D. Colgrove. 1,693,192; Nov. 27.
Tire rim, Collapsible. H. G. Baker. 1,660,907; Feb. 28.
Tire rim, Collapsible. M. M. and G. D. Kinney. 1,680,887; Aug. 14.
Tire rims with attached lugs, Making. J. H. Wagenhorst. 1,660,695; Feb. 28.
Tire-setting machine. C. E. Pierce. 1,656,606; Jan. 17.
Tire shoe. F. H. Bryant. 1,695,450; Dec. 18.
Tire signal, Pneumatic-. L. H. Unglesby. 1,666,155; Apr. 17.
Tire-splitting machine. W. G. Fritts. 1,684,763; Sept. 18.
Tire spreader. E. H. Schaeffer. 1,682,632; Aug. 28.
Tire spreader. A. H. Thomas. 1,676,970; July 10.
Tire spreader. G. E. Heaver. 1,675,521; July 3.
Tire spreader and tire iron. J. S. Curtiss. 1,672,060; June 5.
Tire spreader and tire iron. A. E. Johnson. 1,672,066; June 5.
Tire, Spring. G. Hatvani. 1,687,206; Oct. 9.
Tire, Spring steel. F. S. Feldheim. 1,666,373; Apr. 17.
Tire structure. A. B. Broloska. 1,661,462; Mar. 6.
Tire structure, Cushion-. F. R. Klaus and F. H. Meyer. 1,690,823; Nov. 6.
Tire structures, Making cushion-. F. R. Klaus. 1,657,014; Jan. 24.
Tire support, Extra-. C. P. Tompkins. 1,689,063; Oct. 23.
Tire-testing machine. V. V. Messer. 1,669,622; May 15.
Tire treads, Manufacture of rubber. H. A. Walter and J. R. Crossan. 1,690,514; Nov. 6.
Tire-trimming machine. V. V. Messer. 1,658,852; Feb. 14.
Tire tube and flap and manufacture thereof. C. F. Fisk. 1,672,858; June 5.
Tire tubes, Manufacturing. A. E. Henderson. 1,683,669; Sept. 11.
Tire valve and pressure alarm, Combined. F. J. Shelby. 1,671,167; May 29.
Tire-valve caps and the like, Making. E. G. Oakley. 1,672,082; June 5.
Tire-valve stem and pressure gauge. N. T. Shorts. 1,693,528; Nov. 27.
Tire valves, Dust cap for. M. C. Schweinert. 1,657,042; Jan. 24.
Tire, Vehicle. J. Barker. 1,678,631; July 31.
Tire, Vehicle. D. N. Booth. 1,685,840; Apr. 10.
Tire, Vehicle. D. N. Booth. 1,696,707; Dec. 25.
Tire, Vehicle. E. O. Fritch. Des. 75,553; June 19.
Tire, Vehicle. L. W. Heefner. Des. 76,478; Oct. 2.
Tire, Vehicle. L. W. Heefner. Des. 77,234; Dec. 18.
Tire, Vehicle. B. Iredell. Des. 74,176; Jan. 3.
Tire, Vehicle. R. Iredell. Des. 75,626; June 26.
Tire, Vehicle. I. J. Remark. Des. 76,419; Sept. 25.

- Tire, Vehicle. F. A. Seiberling. 1,670,827; May 22.
 Tire, Vehicle. K. Tschochner and E. Kahlhaupt. 1,669,883; May 15.
 Tire, Vehicle. J. J. Wolfrom. 1,654,567; Jan. 3.
 Tire, Vehicle spring. L. J. Swartz. 1,692,711; Nov. 20.
 Tire, Wheel. E. W. Coleman. 1,664,352; Mar. 27.
 Tires, Apparatus for building. A. Feyzes. 1,655,897; Jan. 10.
 Tires, Apparatus for building. F. B. Pfeiffer. 1,675,130; June 26.
 Tires, Apparatus for building. W. C. Stevens. 1,671,941; May 29.
 Tires, Apparatus for repairing. C. O. Parkhurst. 1,659,497; Feb. 14.
 Tires, Apparatus for repairing. F. W. Scott. 1,671,937; May 29.
 Tires, Base band for cushion. E. Clark. 1,669,600; May 15.
 Tires, Bead for pneumatic. R. C. Pierce. 1,681,680; Aug. 21.
 Tires, Casing filler for. J. Allegre. 1,667,711; May 1.
 Tires, Core for automobile. C. E. Lawson. 1,656,742; Jan. 17.
 Tires, Detector for flat. T. M. Eynon. 1,662,381; Mar. 13.
 Tires, Device for inflating motor-vehicle. C. C. Mitchell and B. Gregory. 1,657,023; Jan. 24.
 Tires, Device for inspecting. M. Teich. 1,685,038; Sept. 18.
 Tires, Device for locking spare. H. A. Weaver and F. A. Smith. 1,656,253; Jan. 17.
 Tires for motor vehicles, Manufacture of. E. Hibbert. 1,694,260; Dec. 4.
 Tires, Forming pneumatic. J. F. Palmer. 1,682,238; Aug. 28.
 Tires, Holder for. F. A. Lind. 1,665,887; Apr. 10.
 Tires, Making. R. E. Jenkinson. 1,659,321; Feb. 14.
 Tires, Making clincher. T. Midgley. 1,687,801; Oct. 9.
 Tires, Making cushion solid. L. M. Southmayd. 1,693,409; Nov. 27.
 Tires, Making inner tubes for pneumatic. I. J. Webster. 1,657,052; Jan. 24.
 Tires, Making pneumatic. H. M. Lambert. 1,666,883; Apr. 17.
 Tires, Making pneumatic. B. De Mattia. 1,690,624; Nov. 6.
 Tires, Making vehicle. C. M. Manly. 1,678,866; July 31.
 Tires, Manufacturing. H. M. Lambert. 1,688,869; Oct. 23.
 Tires, Manufacturing. T. Norcross. 1,690,240; Nov. 6.
 Tires, Method and apparatus for building pneumatic. J. D. Tew. 1,661,449; Mar. 6.
 Tires, Method and apparatus for making pneumatic. J. R. Gammeter. 1,670,444; May 22.
 Tires, Method and apparatus for making pneumatic. J. R. Gammeter. 1,670,446; May 22.
 Tires, Method and machine for building cord. K. O. B. Textorius. 1,670,870; May 22.
 Tires, Method and machine for making cord. K. O. B. Textorius. Re17,036; July 17.
 Tires, Nonskid mat for pneumatic. F. O. Heltzel. Des. 76,240; Sept. 4.
 Tires or tire carcasses, Apparatus for making. H. I. Morris. 1,677,401-2; July 17.
 Tires, Protecting guard for. H. P. Thompson. 1,688,250; Oct. 16.
 Tires, Renewing of india rubber and chiefly of that which is contained in the covers of worn-out pneumatic. C. Danier. 1,656,694; Jan. 17.
 Tires, Retread mold for. F. L. Smith, J. S. Caulfield, and C. J. Peterson. 1,662,035; Mar. 6.
 Tires, Strip for cord. F. S. Dickinson. 1,689,168; Oct. 23.
 Tires under internal pressure, Apparatus for curing. F. B. Pfeiffer. 1,681,146; Aug. 14.
 Toast inspector. D. E. Keech. 1,683,550; Sept. 4.
 Toaster. D. L. Chandler. 1,687,712; Oct. 16.
 Toaster. L. F. Fisher. 1,661,819; Mar. 6.
 Toaster. D. F. Halifax. 1,678,337; July 24.
 Toaster. A. O. Hurxthal. Des. 77,095; Dec. 4.
 Toaster. C. A. Lemaster. 1,661,294; Mar. 6.
 Toaster. E. W. Roberts. 1,691,361; Nov. 13.
 Toaster. J. L. Shroyer. 1,696,613; Dec. 25.
 Toaster and broiler. A. C. Parodi. 1,682,683; Aug. 28.
 Toaster, Automatic electric. G. P. Richardson. 1,667,988; May 1.
 Toaster, Bread. T. C. Forbes. 1,665,735; Apr. 10.
 Toaster, Bread. G. E. Saunders. 1,668,607; May 8.
 Toaster, Bread and sandwich. J. J. Noeth and F. E. Hummel. 1,659,610; Feb. 21.
 Toaster, Electric. F. J. Alderson. 1,682,653; Aug. 28.
 Toaster, Electric. W. H. Dalton. 1,680,768; Aug. 14.
 Toaster, Electric. H. C. Drake. 1,677,177; July 17.
 Toaster, Electric. G. Eaton. Des. 74,972; Apr. 24.
 Toaster, Electric. E. B. Zimmer. 1,662,652; Mar. 13.
 Toaster, Sandwich. C. J. Fay. 1,687,662; Oct. 16.
 Toaster, Slice-turning. H. A. Mulvany. 1,654,827; Jan. 3.
 Toaster, Visible. G. W. Pierce. 1,666,398; Apr. 17.
 Toaster, Visible. D. H. Wyatt. 1,656,848; Jan. 17.
 Toasters, Plate adjustment for. M. Murphy. 1,655,192; Jan. 3.
 Toasting device, Electric. C. V. Champion. Des. 76,003; Aug. 14.
 Toasting or cooking apparatus. F. H. Chandler. Re17,114; Oct. 23.
 Tobacco and the like, Device for curing. G. O. Cruikshank. 1,667,512; Apr. 24.
 Tobacco-ash receiver. W. Gordon. Des. 77,315; Dec. 25.
 Tobacco blending and feeding mechanism. W. H. Schussler. 1,682,542; Aug. 28.
 Tobacco can and cigarette-paper holder, Combined. S. M. Clement. 1,664,160; Mar. 27.
 Tobacco-curing device. Z. T. Koonce and S. M. Mallison. 1,670,263; May 15.
 Tobacco handling and stemming machine and method. C. W. Gooch, Jr., and A. L. Ewers. 1,689,171; Oct. 23.
 Tobacco-leaf-stringing machine. W. Eggert, jr. 1,658,920; Feb. 14.
 Tobacco pipe. A. Backus. 1,672,554; June 5.
 Tobacco pipe. E. A. Brooker. 1,669,855; May 15.
 Tobacco pipe. G. Grenier. 1,656,112; Jan. 10.
 Tobacco pipe. G. Grenier. 1,656,787; Jan. 17.
 Tobacco pipe. S. Gunnlaugsson. 1,676,142; July 3.
 Tobacco pipe. L. T. Harris. 1,672,256; June 5.
 Tobacco pipe. E. Kratochvil. 1,664,117; Mar. 27.
 Tobacco pipe. C. P. Miller. 1,668,568; May 8.
 Tobacco pipe. H. N. Nute. 1,656,922; Jan. 24.
 Tobacco pipe. C. E. Phillips. Des. 74,573; Feb. 28.
 Tobacco pipe. G. H. Willson. 1,664,340; Mar. 27.
 Tobacco pipe. S. E. Wright. 1,696,372; Dec. 25.
 Tobacco pipe. D. F. Zane. 1,690,609; Nov. 6.
 Tobacco-pipe ventilator. J. Wilson. 1,664,146; Mar. 27.
 Tobacco portions from tobacco machines or the like, Regulation of the delivering of. E. Grandstedt. 1,672,457; June 5.
 Tobacco press. T. Miller. 1,677,724; July 17.
 Tobacco-stemming machine. J. P. Scovill. 1,666,719; Apr. 17.
 Tobacco stick. E. H. Harrington. 1,666,648; Apr. 17.
 Tobacco-stripping machine. J. P. Scovill. 1,666,720; Apr. 17.
 Tobacco substitute with therapeutical properties. F. K. Chisholm. 1,680,860; Aug. 14.
 Tobacco, Treating. A. Vuccino. 1,673,216; June 12.
 Toboggan, Motor. H. E. Pearson. 1,682,051; Aug. 28.
 Toe blank and material for use in making the same, Box. J. W. May. 1,659,827; Feb. 21.
 Toe-board plate. J. F. Duffy. 1,663,586; Mar. 27.
 Toe end. G. M. Roberts. 1,692,225; Nov. 20.
 Toe pad, callus reliever, and bunion shield, Combined. J. J. Blanchfield. 1,656,135; Jan. 10.
 Toe-protector former. J. M. Alexander. 1,657,600; Jan. 31.
 Toggle. E. B. Ayres and C. S. Morrison. 1,657,342; Jan. 24.
 Toggle bolt. C. C. Tomkinson. 1,694,493-4; Dec. 11.
 Toggle bolt. L. R. Zifferer. 1,656,409; Jan. 17.
 Toggle bolt. L. R. Zifferer. 1,658,959; Feb. 14.
 Toggle break switch, Safety. E. E. Anderson. 1,654,521; Jan. 3.
 Toggle mechanism. E. Davis. 1,682,373; Aug. 28.
 Toggle press. A. A. Byerlein. 1,696,622; Dec. 25.
 Toilet appliance. F. G. Diago. 1,660,260; Feb. 21.
 Toilet article. E. Bergstrom. 1,669,735; May 15.
 Toilet article. A. Ebbesen. 1,661,564; Mar. 6.
 Toilet article. L. L. Millring. 1,692,310; Nov. 20.
 Toilet article. S. Spitz. 1,661,200; Mar. 6.
 Toilet article, Dressing-table. L. L. Millring. 1,692,309; Nov. 20.
 Toilet-blade holder. E. L. Hahn. 1,666,564; Apr. 17.
 Toilet-bowl attachment. I. C. Richards. 1,682,798; Sept. 4.
 Toilet bowls, Attachment for. C. C. Campus. 1,659,807; Feb. 21.
 Toilet case. E. C. Austin. 1,680,196; Aug. 7.
 Toilet construction. L. E. Cohoon. 1,675,841; July 3.
 Toilet device. L. Grom. 1,660,124; Feb. 21.
 Toilet device. N. Rushe. 1,663,282; Mar. 20.
 Toilet device for wheel-chair invalids. H. W. Griffith. 1,668,242; May 1.
 Toilet kit. J. N. Young. 1,670,177; May 15.
 Toilet paper, Receptacle for. A. R. Olsen. 1,674,697; June 26.
 Toilet-paper-roll-securing device. S. Zido. 1,664,278; Mar. 27.
 Toilet-powder applicator. A. W. Smith. 1,684,644; Sept. 18.
 Toilet-powder box. G. T. Gibson. Des. 74,600; Mar. 6.
 Toilet preparation. J. S. Berliner. 1,687,643; Oct. 16.
 Toilet preparation. K. M. Mackenzie. 1,687,625; Oct. 16.
 Toilet room, Monoslot. E. Graham. 1,656,350; Jan. 17.
 Toilet seat. A. J. Bruder. 1,695,530; Dec. 18.
 Toilet-seat accessory. J. N. and M. N. Barker. 1,682,592; Aug. 28.
 Toilet-seat attachment. W. J. Hess. 1,675,297; June 26.
 Toilet-seat cover. A. E. Casner. 1,693,501; Nov. 27.
 Toilet-seat cover. E. J. Nielsen. 1,671,120; May 29.
 Toilet-seat cover, Sanitary. B. T. Bing. 1,676,940; July 10.
 Toilet-seat covers, Producing folded. W. P. McCorkindale. 1,676,499; July 10.
 Toilet-seat protector. N. C. Ross. 1,677,211; July 17.
 Toilet seat, Sanitary. R. O. Harper and R. C. Hitchin. 1,696,142; Dec. 18.
 Toilet seats, Making. W. F. Till. 1,686,049; Oct. 2.
 Toilet seats, Sanitary cover for. G. J. Wasson. 1,659,341; Feb. 14.
 Toilet set. O. P. Smith. 1,682,990; Sept. 4.
 Tolerance indicator, Screw-thread. J. O. Johnson. 1,663,341; Mar. 20.

- Toll-service trunking system. J. Wicks. 1,677,876; July 17.
- Tomato trimmer. C. H. Ayars. 1,657,775; Jan. 31.
- Tone arm. L. Baxter. 1,681,084; Aug. 14.
- Tone-control device. A. G. Weeks. 1,688,952; Oct. 23.
- Tone-control means. R. C. Sprague. 1,675,831; July 3.
- Tone-control mechanism, Power-operated. J. H. Hammond, jr. 1,664,555; Apr. 3.
- Tone harmonizer. J. B. Craig. 1,668,051; May 1.
- Tone-hole structure. A. J. Johnson. 1,673,195; June 12.
- Tone modifier. W. Deerfoot. 1,661,525; Mar. 6.
- Tone modulator, Successively-operated. J. H. Hammond, jr. 1,664,553; Apr. 3.
- Tone modulators, Successively-operated. J. H. Hammond, jr. 1,670,351; May 22.
- Tone post. C. Hultgren. 1,684,492; Sept. 18.
- Tone receiver for undamped oscillations. J. Zenneck. 1,690,918; Nov. 6.
- Tongs. B. J. Bloemsma. 1,694,525; Dec. 11.
- Tongs. J. J. Chino. 1,680,205; Aug. 7.
- Tongs. N. K. Smith. 1,693,002; Nov. 27.
- Tongs, Animal-mouth. W. G. MacLean, jr. 1,694,713; Dec. 11.
- Tongs, Automatic releasing. E. E. Greve. 1,690,007-8; Oct. 30.
- Tongs, Battery-terminal. A. L. Zimmerman. 1,674,612; June 19.
- Tongs, Clothes. W. Q. Lowe. 1,664,935; Apr. 3.
- Tongs, Electric welding. C. L. Stancliff. 1,677,306; July 17.
- Tongs, Fuse. L. L. Stahler. 1,667,332; Apr. 24.
- Tongs, Hair-waving. L. Robadey-Margot. 1,676,405; July 10.
- Tongs or lifter, Ice-cream-cone. R. Scharphuis. 1,662,867; Mar. 20.
- Tongs, Passing or back-up. B. P. Hoffman. 1,665,301; Apr. 10.
- Tongs, Pipe. F. S. Bunker. 1,675,748; July 3.
- Tongs, Rail. W. E. Walsh. 1,673,130; June 12.
- Tongs, Roofing. F. N. Stevens. 1,676,844; July 10.
- Tongue and neck-yoke couplings. R. H. Hollis. 1,695,731; Dec. 18.
- Tongue and teeth for doll heads. S. Marcus. 1,689,925; Oct. 30.
- Tongue attachment for vehicle hounds, Adjustable. C. C. Brosch. 1,671,850; May 29.
- Tongue-blade holder. J. E. Rosenfeld. 1,666,265; Apr. 17.
- Tonguing and grooving apparatus. W. Ohno. 1,678,784; July 31.
- Tool. E. J. Dreuil. 1,677,622; July 17.
- Tool. J. B. Drumm. 1,657,348; Jan. 24.
- Tool. W. Hemphill, jr. 1,672,642; June 5.
- Tool. R. I. Henderson. 1,683,775; Sept. 11.
- Tool. J. W. Howell. 1,696,574; Dec. 25.
- Tool. A. Johnson. 1,669,339; May 8.
- Tool. E. B. King. 1,678,593; July 24.
- Tool. G. Kucera. 1,679,039; July 31.
- Tool. A. Niedhammer. 1,657,274; Jan. 24.
- Tool. F. J. Schroeder. 1,664,529; Apr. 3.
- Tool. F. Sievern. 1,696,019; Dec. 18.
- Tool. H. C. Smith. 1,682,637; Aug. 28.
- Tool. E. P. Tournier. 1,678,173; July 24.
- Tool. F. J. Widman. 1,663,225; Mar. 20.
- Tool, Adjustable cutting. R. S. Brown. 1,673,039; June 12.
- Tool, Adjustable pipe-bending. W. H. Newland. 1,690,592; Nov. 6.
- Tool and feeding mechanism therefor, Rotatable. J. H. Lane. 1,666,624; Apr. 17.
- Tool and gauge, Valve-reseating. R. H. Eaves. 1,679,605; Aug. 7.
- Tool and handle connection. J. P. Cochran. 1,695,009; Dec. 11.
- Tool and jack, Combination rim. L. Renari. 1,668,977; May 8.
- Tool and making same. T. F. Githens. 1,667,417; Apr. 24.
- Tool and plane iron, Sawing. E. A. Bolinder. 1,676,071; July 3.
- Tool and production thereof, Composite cast. E. J. Mohr. 1,659,781; Feb. 21.
- Tool and pump, Combined drilling. E. S. Sloan. 1,656,798; Jan. 17.
- Tool and swab, Combination washing. A. Boynton. 1,664,233; Mar. 27.
- Tool and the like, Adjustable mounting for bench. A. N. Zelberglet. 1,667,504; Apr. 24.
- Tool and the like, Soldering and welding. J. W. Fay. 1,691,052; Nov. 13.
- Tool and tool retainer. J. S. Donaldson. 1,690,571; Nov. 6.
- Tool. Armor-cutting. F. Froschhauser. 1,670,250; May 15.
- Tool, Automatic machine. A. M. Johnson. 1,679,529; Aug. 7.
- Tool, Auxiliary dialing. W. L. Peak. 1,694,429; Dec. 11.
- Tool, Battery. R. L. S. Atkinson. 1,678,313; July 24.
- Tool, Belt-applying. G. W. Pobanz. 1,666,789; Apr. 17.
- Tool, Boring. E. K. Morgan. 1,671,307; May 29.
- Tool, Boring. C. H. Schmidall. 1,669,423; May 15.
- Tool, Bottle-capping. H. J. Leberher. 1,681,144; Aug. 14.
- Tool box. J. E. Coe. 1,675,484; July 3.
- Tool box. C. A. Coyle. 1,664,245; Mar. 27.
- Tool box for automobiles. J. R. Trout. 1,659,929; Feb. 21.
- Tool box for automobiles. W. W. White. 1,684,002; Sept. 11.
- Tool, Box-strapping. G. Wood. 1,689,904; Oct. 30.
- Tool, Brake-band. L. E. Watson. 1,665,150; Apr. 3.
- Tool, Brake-band-riveting. G. McCallum. 1,672,271; June 5.
- Tool, Bricklayer's. A. Bell. 1,682,061; Aug. 28.
- Tool, Bricklayer's. P. J. Schneider. 1,680,643; Aug. 14.
- Tool, Broaching. C. C. Hansen. 1,660,507; Feb. 28.
- Tool, Broaching. C. C. Hansen. 1,664,623; Apr. 3.
- Tool, Burnishing. F. D. Mongeau. 1,683,044; Sept. 4.
- Tool cap. A. Halvorsen. 1,661,941; Mar. 6.
- Tool, Carpenter's combination. O. W. Bane. 1,695,944; Dec. 18.
- Tool carriage and slide for machine tools. R. A. Ashton. 1,680,838; Aug. 14.
- Tool, Cattle-knocking. J. R. Watkins. 1,655,671; Jan. 10.
- Tool, Centering. J. Leck. 1,688,819; Oct. 23.
- Tool, Chain. J. W. Saffold. 1,677,251; July 17.
- Tool, Chain. J. W. Saffold. 1,677,658-9; July 17.
- Tool, Check, Safety. G. J. Cormier. 1,669,655; May 15.
- Tool chest. G. M. Huson. 1,661,121; Feb. 28.
- Tool chest. F. H. Larson. 1,655,148; Jan. 3.
- Tool chuck. E. J. O'Flaherty. 1,694,558; Dec. 11.
- Tool, Clamp-applying. J. E. Roughtan. 1,692,954; Nov. 27.
- Tool, Cleaning. T. C. Babbitt and C. E. Hopfenbeck. 1,661,552; Mar. 6.
- Tool, Cleaning. F. S. Beveridge and L. V. Lucia. 1,655,085; Jan. 3.
- Tool, Cleaning. W. F. Carrott. 1,658,706; Feb. 7.
- Tool, Clinching. B. F. Gilles. 1,689,021; Oct. 23.
- Tool, Clinching. J. P. Snapp. 1,658,358; Feb. 7.
- Tool, Clip-attaching. C. Jones. 1,691,353; Nov. 13.
- Tool, Combination. R. D. Cooper. 1,678,807; July 31.
- Tool, Combination. O. E. Heustis. 1,656,634; Jan. 17.
- Tool, Combination. C. A. Kinney. 1,682,009; Aug. 28.
- Tool, Combination. R. Klaboe. 1,662,461; Mar. 13.
- Tool, Combination. M. Koske. 1,663,848; Mar. 27.
- Tool, Combination. G. A. Logan. 1,667,462; Apr. 24.
- Tool, Combination. T. W. Losey. 1,682,694; Aug. 28.
- Tool, Combination. R. L. Means. 1,684,081; Mar. 27.
- Tool, Combination. E. G. Morin, jr. 1,695,662; Dec. 18.
- Tool, Combination. S. Peters. 1,670,001; May 15.
- Tool, Combination. C. H. Rutter. 1,666,977; Apr. 24.
- Tool, Combination. A. Smith. 1,681,749; Aug. 21.
- Tool, Combination. U. E. Tuomi. 1,663,821; Mar. 27.
- Tool, Combination. W. M. Wells. 1,668,474; May 1.
- Tool, Combination. W. J. West. 1,675,476; July 3.
- Tool, Combination. F. L. Young. 1,656,259; Jan. 17.
- Tool, Compound. J. K. Bingham. 1,668,262; May 1.
- Tool, Compound. C. March. 1,664,783; Apr. 3.
- Tool, Core-cleaning. H. L. Nash. 1,671,649; May 29.
- Tool, Cotter-pin-spreading. A. Girard. 1,664,619; Apr. 3.
- Tool-coupling device. C. S. Thomas. 1,695,564; Dec. 18.
- Tool-coupling means. C. E. Thomas. 1,695,565; Dec. 18.
- Tool, Crankpin-refinishing. R. J. Wilson. 1,660,539; Feb. 28.
- Tool, Cutting. A. Cornell. 1,663,935; Mar. 27.
- Tool, Cutting. S. T. Nelson. 1,679,049; July 31.
- Tool, Cutting. H. B. Rouse. 1,688,660; Oct. 23.
- Tool, Deep-well. H. D. Kinney. 1,660,449; Feb. 28.
- Tool, Demountable-rim. W. W. Booth. 1,694,527; Dec. 11.
- Tool, Dentist's. W. M. Hayden. 1,674,547; June 19.
- Tool, Diamond lathe. A. Simons. 1,677,055; July 10.
- Tool, Domestic hand. J. J. Hoelle. 1,684,829; Sept. 18.
- Tool, Door-holding. A. A. Arends. 1,681,834; Aug. 21.
- Tool, Dressing. J. S. Donaldson. 1,666,390; Apr. 24.
- Tool-dressing machine. H. E. Kempton and K. F. Galimore. 1,657,832; Jan. 31.
- Tool drill, Multiple. G. E. Hallenbeck. 1,683,667; Sept. 11.
- Tool, Drilling. C. A. Butler. 1,660,988; Feb. 28.
- Tool, Drilling. M. P. Holmes. 1,667,156; Apr. 24.
- Tool, Drilling. M. P. Holmes. 1,690,085; Oct. 30.
- Tool, Electric percussive. H. E. Fox. 1,678,979; July 31.
- Tool, Electrical. L. F. Meunier. 1,673,012; June 12.
- Tool, Extracting. A. T. Brunkow. 1,682,954; Sept. 4.
- Tool, Fence. K. J. Vaught. 1,665,760; Apr. 10.
- Tool, Finishing. F. A. E. Marsh. 1,662,251; Mar. 13.
- Tool, Fishing. G. H. Haifley. 1,696,200; Dec. 25.
- Tool, Fishing. A. B. Scott. 1,668,254; May 1.
- Tool, Fishing. F. J. Spang. 1,661,638; Mar. 6.
- Tool, Fishing. I. Thomas and E. I. Tibbet. 1,687,808; Oct. 16.
- Tool, Fluid-operated. W. Kühn. 1,678,734; July 31.
- Tool for air brakes. R. G. P. Ritchie. 1,659,006; Feb. 14.
- Tool for applying antiskid chains. E. E. Marsh. 1,674,691; June 26.
- Tool for applying patches to flexible hose. J. H. Foreman. 1,696,194; Dec. 25.
- Tool for applying rail anchors. H. G. Warr. 1,680,438; Aug. 14.
- Tool for assembling chain links. L. W. Lippert. 1,696,578; Dec. 25.
- Tool for balling and removing of plants. B. H. Singletary. 1,663,999; Mar. 27.
- Tool for boring and turning irregular surfaces, Machine. L. M. Cole, E. H. Halter, and R. H. Lewis. 1,677,131; July 17.
- Tool for commutators, Undercutting. E. O. Adkins. 1,680,835; Aug. 14.
- Tool for compressing piston rings. R. R. Teetor. 1,668,790; May 8.

- Tool for cutting box strapping and the like. S. W. Parsons. 1,677,684; July 17.
- Tool for cutting tapered threads, Screw-thread-cutting. J. D. Merrifield. 1,656,593; Jan. 17.
- Tool for cutting valve seats. S. Smith. 1,693,767; Dec. 4.
- Tool for drawing tubular bosses. A. L. Riker. 1,675,910; July 3.
- Tool for earth, rock, and stone, Cutting. W. E. Sterk. 1,671,052; May 22.
- Tool for engaging and pulling pump rods, Gripping. J. W. Oberbeck. 1,661,231; Mar. 6.
- Tool for facilitating baiting of trap hooks. L. Johns. 1,660,617; Feb. 28.
- Tool for footwear fitters. F. E. Buck. 1,657,454; Jan. 31.
- Tool for grooving pipe. I. W. Nonneman. 1,674,372; June 19.
- Tool for handling high-tension electric wires. M. T. Tipsord and H. W. Bodendieck. 1,672,477; June 5.
- Tool for inserting stud bolts. H. Sauveur. 1,694,628; Dec. 11.
- Tool for joining wooden articles. A. C. G. Dreilick. 1,676,326; July 10.
- Tool for kitchen utensils, Lifting. O. Holm. 1,655,605; Jan. 10.
- Tool for lapping internal surfaces. C. P. Grimes. 1,670,068; May 15.
- Tool for lathes, planers, etc., Cutting. W. Brown. 1,689,474; Oct. 30.
- Tool for making gratings. A. E. Wells. 1,694,633; Dec. 11.
- Tool for manipulating fasteners for container closures. M. R. Kondolf. 1,676,907; July 10.
- Tool for oil wells, Fishing. F. D. Davis. 1,680,596; Aug. 14.
- Tool for planing valve seats. T. S. Purnis. 1,667,218; Apr. 24.
- Tool for rail anchors, Applying. R. T. Scholes. 1,691,940; Nov. 20.
- Tool for removing and inserting saw teeth. C. A. Horner. 1,672,458; June 5.
- Tool for removing headlight rims. W. H. Guthrie. 1,694,443; Dec. 11.
- Tool for removing hollow pintles, bushings, and the like. J. W. Howell. 1,670,574; May 22.
- Tool for removing the meat from citrus fruits. W. Barnfield. 1,668,226; May 1.
- Tool for removing waste from spindles. G. H. Magrath. 1,665,064; Apr. 3.
- Tool for repairing starter mechanisms. W. D. Hughes. 1,689,074; Oct. 23.
- Tool for restoring screw threads. H. F. Schleining. 1,664,793; Apr. 3.
- Tool for rotating valve heads. R. E. Bissell. 1,694,699; Dec. 11.
- Tool for taking up tappets and the like. P. N. Shaw. 1,681,881; Aug. 21.
- Tool for the tie wires or bands of concrete building forms, barrels, boxes, bales, and the like, Cutting. O. W. Rankin. 1,695,022; Dec. 11.
- Tool for tubes of pneumatic tires, Deflation. J. L. Goff. 1,664,621; Apr. 3.
- Tool for tunneling or mining machines, Cutting. A. Schmidt. 1,658,397; Feb. 7.
- Tool for turning crank pins and the like. F. G. Wacker. 1,664,440; Apr. 3.
- Tool for well-drilling operations, Combination. G. F. Le Bus. 1,693,789; Dec. 4.
- Tool for wire clips, Clinching. R. L. Madsen. 1,669,096; May 8.
- Tool, Framing. A. B. and R. M. Dauger. 1,686,441; Oct. 2.
- Tool, Gaining. M. A. Stafford. 1,687,403; Oct. 9.
- Tool, Gang machine. A. M. Johnson. 1,679,531; Aug. 7.
- Tool, Garden. T. C. Gatti. 1,666,374; Apr. 17.
- Tool, Garden. E. P. Guthrie. 1,685,217; Sept. 25.
- Tool, Garden. T. R. Michaelis. 1,661,954; Mar. 6.
- Tool, Gauge. E. E. Wagner. 1,677,063; July 10.
- Tool, gauge, Collocating. S. Nemerth. 1,661,081; Feb. 28.
- Tool, Golf-club gauge and truing. W. H. McGee. 1,662,465; Mar. 13.
- Tool, Governor-controlled fluid-pressure. J. J. N. Van Harnersveld. 1,674,579; June 19.
- Tool, Grinding. L. Engman. 1,693,778; Dec. 4.
- Tool, Grinding. E. A. Hall. 1,692,439; Nov. 20.
- Tool, Grinding. W. V. Houck. 1,662,385; Mar. 13.
- Tool, Grinding. D. L. Spraker. 1,685,100; Sept. 25.
- Tool, Grinding. F. W. Stoll. 1,663,420; Mar. 20.
- Tool guard. G. E. Allen. 1,664,804; Apr. 3.
- Tool guard. E. D. Boyce. 1,685,213; Sept. 25.
- Tool, Hand. W. A. Bernard. 1,675,838; July 3.
- Tool, Hand. A. A. A. Byrd. 1,673,227; June 12.
- Tool handle. L. B. Andresen. 1,678,095; July 24.
- Tool handle. H. I. Clulee. 1,693,269; Nov. 27.
- Tool handle. A. H. Collins. 1,689,817; Oct. 30.
- Tool handle. J. Dragon. 1,692,490; Nov. 20.
- Tool handle. M. Hokanson. 1,662,610; Mar. 13.
- Tool handle. M. P. Jackline. 1,687,335; Oct. 9.
- Tool handle. J. L. Osgood. 1,694,559; Dec. 11.
- Tool handle. E. R. Rier. 1,663,826; Mar. 27.
- Tool-handle fastening. C. Henneck. 1,662,500; Mar. 13.
- Tool holder. F. Glampeter. 1,659,257; Feb. 14.
- Tool holder. A. J. Libert. 1,669,137; May 8.
- Tool holder and other receptacle for use on motor vehicles. H. B. Sankey. 1,665,642; Apr. 10.
- Tool holder, Combination. C. E. Hawkes and A. L. Christensen. 1,667,801; May 1.
- Tool holder, Display. T. J. Fegley and G. O. Leopold. 1,675,171; June 26.
- Tool holder for cross slides of lathes, Multiple. M. E. Lange and A. L. Evans. 1,677,143; July 17.
- Tool, Hose-coupling. I. Evans. 1,666,491; Apr. 17.
- Tool, Indenting. W. F. Harvey. 1,689,073; Oct. 23.
- Tool, Jar-handling. C. E. Bonge. 1,667,620; Apr. 24.
- Tool joint. E. E. Greve. 1,671,579; May 29.
- Tool joint. P. Miks. 1,668,921; May 8.
- Tool-joint lock. J. C. Coates. 1,681,699; Aug. 21.
- Tool knee structure, Machine-. E. J. Kearney. 1,685,920; Oct. 2.
- Tool, Lawn-trimming. G. H. Peterson. 1,690,944; Nov. 6.
- Tool, Laying-out. J. W. Ryan and W. F. Ayrton. 1,658,742; Feb. 7.
- Tool, Line-tightening. F. Semmler. 1,663,182; Mar. 20.
- Tool, Machine. J. S. Barnes. 1,668,885; May 8.
- Tool, Machine. W. F. Greene and R. M. Bacon. 1,661,610; Mar. 6.
- Tool, Machine. F. P. Parish. 1,694,560; Dec. 11.
- Tool, Machine. W. W. Potter. 1,673,088; June 12.
- Tool, Machine. W. W. Potter. 1,685,556; Sept. 25.
- Tool, Machine. G. D. Sundstrand. 1,694,363; Dec. 4.
- Tool, Marking. F. Bittner. 1,665,400; Apr. 10.
- Tool, Marking. W. B. Johnston and J. R. Carman. 1,681,667; Aug. 21.
- Tool, Marking and stamping. A. Burkenstein. 1,686,512; Oct. 9.
- Tool, Masonry-jointing. N. P. O'Neal. 1,664,701; Apr. 3.
- Tool mechanism, Rotary. M. Westrate. 1,662,992; Mar. 20.
- Tool, Metal-working. N. I. Lundberg. 1,666,500; Apr. 17.
- Tool, Motor-driven threading. E. L. Connell. 1,692,487; Nov. 20.
- Tool, Multiple. J. J. Ziddle. 1,662,424; Mar. 13.
- Tool, Multiple-bit. J. Zilliox. 1,689,376; Oct. 30.
- Tool, Nail-drawing. T. Thorson. 1,656,652; Jan. 17.
- Tool, Notching. L. H. Purnell. 1,667,985; May 1.
- Tool of the explosive-motor type, Impact for percussion. C. S. Somervell. 1,666,981; Apr. 24.
- Tool, Oil-well. G. D. Watson. 1,685,472; Sept. 25.
- Tool or appliance for facilitating the mounting of shaft couplings. F. R. Simms. 1,683,311; Sept. 4.
- Tool organization, Machine-. E. J. Kearney. 1,693,446; Nov. 27.
- Tool, Peening. Q. C. Barber. 1,669,116; May 8.
- Tool, Percussive. G. W. Hulshizer. 1,692,937; Nov. 27.
- Tool, Percussive. H. H. Mercer. 1,679,130; July 31.
- Tool, Percussive pneumatic. J. Köhlen. 1,689,731; Oct. 30.
- Tool, Perogen dough cutting and trimming. S. Helfgott. 1,695,427; Dec. 18.
- Tool, Pin-holding. F. F. Prosch. 1,678,270; July 24.
- Tool, Pipe-flange. G. E. McDonnell. 1,681,126; Aug. 14.
- Tool, Piston-cleaning. J. Klein. 1,666,572; Apr. 17.
- Tool, Piston-ring. J. J. Allison, jr., and J. Jacks. 1,657,294; Jan. 24.
- Tool, Piston-ring. S. G. Ling. 1,666,460; Apr. 17.
- Tool, Piston-ring. J. Matechik. 1,688,467; Oct. 23.
- Tool, Piston-ring-compressing. C. B. Perkins. 1,689,361; Oct. 30.
- Tool, Pitting. J. I. Murphy. 1,671,043; May 22.
- Tool, Plumber's. T. P. Doherty. 1,676,775; July 10.
- Tool, Pneumatic. L. C. Bayles. 1,691,372; Nov. 13.
- Tool, Pneumatic. A. T. Dupont. 1,692,889; Nov. 27.
- Tool, Pneumatic. J. E. Otis, jr. 1,679,540; Aug. 7.
- Tool, Pneumatic. J. R. L. Santos. 1,688,020-1; Oct. 16.
- Tool, Pneumatic. W. J. Spencer. 1,693,123; Nov. 27.
- Tool, Portable. L. F. Meunier. 1,679,776; Aug. 7.
- Tool, Portable polishing. R. Schmid and W. Wezel. 1,666,181; Apr. 17.
- Tool post. G. M. Class. 1,664,851; Apr. 3.
- Tool post. K. H. Crumrine. 1,662,959; Mar. 20.
- Tool, Power-actuated. G. E. Hallenbeck. 1,681,403; Aug. 21.
- Tool, Power hand. E. L. Connell. 1,679,155; July 31.
- Tool, Precision. J. S. Imlach. 1,672,159; June 5.
- Tool, Punching and cutting. A. G. L. Pieper. 1,667,012; Apr. 24.
- Tool, Pushing and pulling. A. M. Seeger. 1,681,370; Aug. 21.
- Tool, Radius. H. E. Frenette. 1,684,667; Sept. 18.
- Tool, Radius. A. Sheberashenko. 1,666,109; Apr. 17.
- Tool, Rail-aligning. J. B. Bridges. 1,669,595; May 15.
- Tool, Ratchet. J. W. Troha. 1,668,222; May 1.
- Tool, Razor-strop-dressing. J. G. Dick. 1,665,658; Apr. 10.
- Tool, Reamer and burnishing. W. A. Koch. 1,690,371; Nov. 6.
- Tool, Reaming. R. R. Davis. 1,666,926; Apr. 24.
- Tool, Reaming. B. Dyrskog. 1,669,697; May 15.
- Tool, Reaming. W. H. Evans. 1,680,466; Aug. 14.
- Tool rest. H. Humphreys. 1,670,540; May 22.
- Tool retainer. E. G. Gartin. 1,684,177; Sept. 11.
- Tool retainer. E. Penberthy. 1,658,414; Feb. 7.
- Tool retainer. G. W. Smith. 1,675,432; July 3.
- Tool retainer. E. W. Stevens. 1,668,829; May 8.
- Tool retainer. E. W. Stevens. 1,690,559; Nov. 6.
- Tool retainer for pneumatic hammers. J. M. Butler and H. A. Torson. 1,677,270; July 17.
- Tool-retaining device. E. H. Shaff. 1,693,872; Dec. 4.
- Tool, Revolvable forming. J. Colbion. 1,661,788; Mar. 6.

- Tool, Rim. J. Bjornlie. 1,673,439; June 12.
 Tool, Rim. J. V. Dunbar. 1,656,104; Jan. 10.
 Tool, Rim. F. H. Webster. 1,695,403; Dec. 18.
 Tool, Rim-contracting. C. B. Carver. 1,671,667; May 29.
 Tool, Rivet-finishing. B. Neill. 1,665,751; Apr. 10.
 Tool, Rolling milling. A. A. MacDonald. 1,666,711; Apr. 17.
 Tool, rule, and drafting and measuring instrument, Combination paper-cutting. I. J. Owen. 1,690,832; Nov. 6.
 Tool, Saw. W. W. Gildersleeve. 1,659,868; Feb. 21.
 Tool, Saw-setting. J. Whisler. 1,659,419; Feb. 14.
 Tool, Scraping. M. E. Kanter. 1,669,711; May 15.
 Tool, Scraping. L. B. Shultz. 1,685,380; Sept. 25.
 Tool, Screw-thread-cutting. J. D. Merrifield. 1,656,596; Jan. 17.
 Tool, Seating and unseating. R. A. Shefveland. 1,682,097; Aug. 28.
 Tool, Setting. W. A. Hubener. 1,656,000; Jan. 10.
 Tool, Shank-forming. J. Micali. 1,665,172; Apr. 3.
 Tool, Shore-adjusting. G. B. Bosco. 1,656,940; Jan. 24.
 Tool, Skate-dressing. F. Vallery. 1,672,508; June 5.
 Tool slide for machine tools, Multiple. R. A. Ashton. 1,689,710-1; Oct. 30.
 Tool, Soldering. F. B. Burns. 1,690,101; Nov. 6.
 Tool-spindle fixture. G. A. De Vlieg. 1,682,835; Sept. 4.
 Tool, Splicing. J. P. Snapp. 1,663,966; Mar. 27.
 Tool, Split-rim. F. L. Main. 1,686,021; Oct. 2.
 Tool, Spring-coiling. C. Faust. 1,671,983; June 5.
 Tool stand, Portable. A. W. Nordgren. 1,660,521; Feb. 28.
 Tool, Steam-boiler-cleaning. S. Gabriëlsse. 1,672,757; June 5.
 Tool, Storage-battery. L. G. Loyd. 1,675,812; July 3.
 Tool, Stone-dressing. E. T. Holm. 1,687,093; Oct. 9.
 Tool, Stud setting and loosening. N. H. Westerberg. 1,681,203; Aug. 21.
 Tool, Suction cleaner. E. A. Nisbet. 1,696,811; Dec. 25.
 Tool support. W. Logg. 1,622,152; Mar. 13.
 Tool, Surfacing. H. Bauer. 1,680,496; Aug. 14.
 Tool, Tile-setting. C. L. Janney. 1,671,429; May 29.
 Tool, Tire. L. F. Haschart. 1,689,585; Oct. 30.
 Tool, Tire. W. S. Pierce, jr. 1,686,640; Oct. 9.
 Tool, Tire. B. Polissena and H. Campedel. 1,691,855; Nov. 13.
 Tool, Tire. G. Samuël and C. T. Roberson. 1,656,340; Jan. 17.
 Tool, Tire-chain. J. P. Hotz. 1,693,755; Dec. 4.
 Tool, Tire-chain. H. Schmidt. 1,659,411; Feb. 14.
 Tool, Tire-chain repair. S. K. Tibbens. 1,670,221; May 15.
 Tool, Tire-changing. E. N. Long, jr. 1,658,451; Feb. 7.
 Tool, Tire-rim. W. H. Conner. 1,676,634; July 10.
 Tool, Tire-rim. X. Schneider. 1,694,893; Dec. 11.
 Tool, Tire-rim. J. Wallace. 1,659,012; Feb. 14.
 Tool to facilitate mounting vehicle springs upon the vehicle chassis. W. Corey. 1,668,584; May 8.
 Tool, Train-hose nipple-assembling. F. M. Altfather. 1,655,642; Jan. 10.
 Tool, Train-hose nipple-pulling. F. M. Altfather. 1,655,641; Jan. 10.
 Tool, Trimming. P. Detlefsen. 1,675,535; July 3.
 Tool, Trimming. V. V. Vaughn. 1,692,911; Nov. 27.
 Tool, Trimming and cutting. M. M. Simescu. 1,681,688; Aug. 21.
 Tool, Tube-flaring. B. F. Helminiak. 1,661,367; Mar. 6.
 Tool, Umbilical clamp. C. E. Ziegler. 1,683,119; Sept. 4.
 Tool, Uncapping. J. S. Hardiman. 1,676,648; July 10.
 Tool, Valve. R. R. Farrell and W. Lehnhoff. 1,659,523; Feb. 14.
 Tool, Valve-adjusting. C. O. Anderson. 1,675,781; July 3.
 Tool, Valve-grinding. D. T. Igou. 1,667,552; Apr. 24.
 Tool, Valve-grinding. C. M. Stewart. 1,655,344; Jan. 3.
 Tool, Valve-reseating. M. B. Skinner. 1,658,141; Feb. 7.
 Tool, Valve-reseating. J. W. Troha. 1,662,445; Mar. 13.
 Tool, Vehicle spring. W. A. Thweatt. 1,670,220; May 15.
 Tool, Warehouse. J. O. Goranson. 1,694,173; Dec. 4.
 Tool, Well-driller's fishing. H. E. Clark. 1,657,788; Jan. 31.
 Tool, Well-drilling. L. C. Black. 1,691,623; Nov. 13.
 Tool, Well-drilling. L. C. Black. 1,694,679; Dec. 11.
 Tool, Well-testing. C. T. Neitzel. Re16,991; June 12.
 Tool, Well-testing. C. T. Neitzel. 1,673,419; June 12.
 Tool, Well underdraining. M. C. Lowman, G. E. Pentress, and R. Bane. 1,663,014; Mar. 20.
 Tool, Wheel-aligning. W. T. Frazier. 1,665,161; Apr. 3.
 Tool, Wheel-rim contracting and expanding. H. L. Eddy. 1,680,600; Aug. 14.
 Tool, Wire-twisting. A. E. Hoene. 1,673,939; June 12.
 Tool, Wire-twisting. C. G. Hunter. 1,657,085; Jan. 24.
 Tool with detachable handle. F. Weiss. 1,658,504; Feb. 7.
 Tools, Apparatus for filling piping. M. J. Stack. 1,672,961; June 12.
 Tools, Auxiliary slide support for machine. J. A. Craig. 1,680,088; Aug. 7.
 Tools, Chuck for hand. A. Wickner. 1,664,236; Mar. 27.
 Tools, Combination holder and guard for. F. Goertz and W. C. Rothe. 1,665,256; Apr. 10.
 Tools, Electrical operation and control of machine. J. C. Shaw. 1,683,581; Sept. 4.
 Tools, Feed mechanism for machine. H. E. Kempton and K. F. Gallimore. 1,673,078; June 12.
 Tools for turning and boring irregular surfaces, Attachment for machine. J. J. N. Van Hamersveld. 1,659,385; Feb. 14.
 Tools, Forming cutting. W. Brown. 1,657,063; Jan. 24.
 Tools, Forming screw-thread-cutting. J. D. Merrifield. 1,656,595; Jan. 17.
 Tools, Guide for broaching. C. C. Hansen. 1,665,496; Apr. 10.
 Tools having a plurality of overarms, Attachment for machine. T. Trecker. 1,658,267; Feb. 7.
 Tools, Hydraulic drive for machine. W. Ferris. 1,690,069; Oct. 30.
 Tools, Motor-control mechanism for machine. S. W. Bath. 1,695,359; Dec. 18.
 Tools, Mounting for percussive. G. G. Tuttle. 1,656,546; Jan. 17.
 Tools, Profiling attachment for machine. J. M. Riordan. 1,678,651; July 31.
 Tools, Repairing. C. H. Brown. 1,663,367; Mar. 20.
 Tools, Reversing and braking mechanism for machine. W. T. Emmes. 1,680,141; Aug. 7.
 Tools, Safety appliance for. M. Centeno V. 1,684,345; Sept. 11.
 Tools, Supporting device for manipulating. P. A. Stedman. 1,674,669; June 26.
 Tools, Taper-turning attachment for machine. J. J. N. Van Hamersveld. 1,680,074; Aug. 7.
 Tools, Tool holder for machine. J. J. N. Van Hamersveld. 1,659,386; Feb. 14.
 Tools, Turning guide for fishing. E. L. Green. 1,676,860; July 10.
 Tools, Turret head for machine. E. P. Bullard, jr. 1,690,568.
 Tools, Way guard construction for machine. J. J. N. Van Hamersveld. 1,674,145; June 19.
 Tooth and making same, Artificial molar. A. Gysi. 1,665,357; Apr. 10.
 Tooth, Artificial. C. C. Hallowell. 1,683,613-14; Sept. 11.
 Tooth, Artificial. S. Myerson. 1,694,948; Dec. 11.
 Tooth, Artificial. G. P. Phillips. 1,671,781; May 29.
 Tooth, Artificial. L. L. Poston. Re16,876; Feb. 7.
 Tooth, Artificial. L. H. Sprinkle. 1,684,523; Sept. 18.
 Tooth, Artificial molar. A. Gysi. 1,657,673; Jan. 31.
 Tooth band. J. E. Johnson. 1,670,361; May 22.
 Toothbrush. H. Barnes. 1,657,450; Jan. 31.
 Toothbrush. T. W. Bigoney. 1,682,548; Aug. 28.
 Toothbrush. A. D'Amico and A. L. Greenberg. 1,682,325; Aug. 28.
 Toothbrush. J. A. Dolan. 1,671,891; May 29.
 Tooth brush. V. Felmar. 1,693,229; Nov. 27.
 Toothbrush. N. Glassman. 1,688,581; Oct. 23.
 Toothbrush. C. Greenblatt. 1,659,628; Feb. 21.
 Toothbrush. R. W. Johnson. Des. 74,608; Mar. 6.
 Toothbrush. G. L. Loisel. 1,680,558; Aug. 14.
 Toothbrush. A. Mendoza. 1,677,194; July 17.
 Toothbrush. D. P. Mowry. Des. 77,115; Dec. 4.
 Toothbrush. P. J. Noel. 1,668,216; May 1.
 Toothbrush. G. Nuyts. 1,676,703; July 10.
 Toothbrush. C. Peterson. 1,673,638; June 12.
 Toothbrush. G. F. Quinn. 1,679,785; Aug. 7.
 Toothbrush. A. Saxe. 1,675,139; June 26.
 Toothbrush. J. Silberstang. 1,690,706; Nov. 6.
 Toothbrush. R. H. Van Sant. 1,691,863; Nov. 13.
 Toothbrush, Adjustable double. G. Székely. J. Gyulay, and A. Majláth. 1,668,385; May 1.
 Toothbrush case. O. A. King. 1,691,814; Nov. 13.
 Toothbrush, Duplex. G. M. Ruff. 1,679,946; Aug. 7.
 Toothbrush, Fountain. 1,676,601; July 10.
 Toothbrush holder. J. F. Pocock. 1,669,143; May 8.
 Toothbrush, Rotary. W. S. Murock. 1,679,166; July 31.
 Toothbrush, Rotary. E. F. Smith. 1,693,964; Dec. 4.
 Toothbrush, Vibratory. L. H. Bardach and A. G. Larson. 1,658,278; Feb. 7.
 Tooth cleaner. G. Kalenoff. 1,695,238; Dec. 11.
 Tooth-cleaning implement. G. N. Gilbert. 1,661,472; Mar. 6.
 Tooth crown, False-teeth. F. O. Jaques, jr. 1,662,924; Mar. 20.
 Tooth, Dipper. G. H. Hanks. 1,692,501; Nov. 20.
 Tooth extractor. V. Maranda. 1,666,860; Apr. 17.
 Tooth mounting, Artificial. R. L. Schmitt. 1,674,922; June 26.
 Tooth paste, Mucin-solvent. C. C. Vogt. 1,691,504; Nov. 13.
 Toothpick. J. H. Crowell. 1,679,651; Aug. 7.
 Toothpick. F. Spanier. 1,678,609; July 24.
 Toothpick dispenser. M. Moss and T. F. McCarthy. 1,662,831; Mar. 20.
 Tooth scrubber. J. Chandler. 1,670,342; May 22.
 Top. L. V. Aronson. 1,673,435; June 12.
 Top. S. I. Connell. 1,668,050; May 1.
 Top. E. W. Gibbs. 1,695,486; Dec. 18.
 Top. J. L. Kleinman. 1,695,807; Dec. 18.
 Top and cover, Auto. J. K. Wright. 1,679,886; Aug. 7.
 Top and spinner therefor. F. X. Renetzky. 1,677,368; July 17.
 Top brace, Vehicle. C. L. Shobe. 1,679,688; Aug. 7.
 Top construction. P. E. Breneman. 1,654,677; Jan. 3.
 Top construction. P. E. Breneman. 1,656,719-22; Jan. 17.
 Top construction. J. H. Bourgon. 1,671,807; May 29.
 Top construction. J. H. Bourgon. 1,671,808; May 29.
 Top construction. H. S. Pierce and J. H. Bourgon. 1,670,422; May 22.

- Top, Educational. C. S. Cross. 1,687,239; Oct. 9.
 Top for automobile bodies. L. I. Heintz. 1,688,867; Oct. 23.
 Top for powder cans. P. A. Reutter. 1,668,657; May 8.
 Top, Illuminated. C. Arnold. 1,692,802; Nov. 27.
 Topper, Beet. O. H. Hansen. 1,677,444; July 17.
 Topper, Beet. O. H. Hansen. 1,696,398; Dec. 25.
 Topping machine, Vegetable. C. H. Ayars. 1,659,555; Feb. 21.
 Tops, Spinning head for spinning. F. L. Lindstrom. 1,680,423; Aug. 14.
 Torch. O. J. Groehn. 1,670,112; May 15.
 Torch. G. A. Morrison. 1,659,279; Feb. 14.
 Torch. J. J. Salm. 1,662,210; Mar. 13.
 Torch. S. Stanczyk. 1,684,524; Sept. 18.
 Torch. H. R. Vaughan. 1,663,064; Mar. 20.
 Torch, Construction. L. W. Close. 1,686,651; Oct. 9.
 Torch, Cutting. A. P. Weber. 1,655,172; Jan. 3.
 Torch, Cutting and welding. A. F. Jenkins. 1,662,519-20; Mar. 13.
 Torch, Cut-weld. A. F. Dillon. 1,668,107; May 1.
 Torch machine. J. J. Crowe and J. H. W. Begerow. 1,691,007; Nov. 6.
 Torch-operating mechanism. J. O. Bishop. 1,687,001; Oct. 9.
 Torch, Rotary acetylene. F. J. Cullen, P. E. Binder, and C. C. Harshman. 1,684,476; Sept. 18.
 Torch, Soldering. J. J. Lawless. 1,679,249; July 31.
 Torch tip. G. I. Jones. 1,666,387; Apr. 17.
 Torch tip. E. H. Smith. 1,675,668; July 3.
 Torch, Vacuum. W. E. Johnston. 1,695,334; Dec. 18.
 Torch, Welding and cutting. A. J. and I. F. Fausek. 1,660,328; Feb. 28.
 Torches, Guide for rail-cutting. B. Martini. 1,658,811; Feb. 14.
 Torches, Tip for cutting. G. C. Quelch. 1,679,586; Aug. 7.
 Torchère. O. B. Bach. Des. 74,647-8; Mar. 13.
 Torchère. M. Rosen. Des. 74,521; Feb. 21.
 Torchère. W. F. Schneider. Des. 75,657; June 26.
 Torpedo. L. J. Barry. 1,672,295; June 5.
 Torpedo. A. F. Blasiar. 1,683,124; Sept. 4.
 Torpedo. E. F. Chandler. 1,680,451; Aug. 14.
 Torpedo casing. C. Cimorosi. 1,687,929; Oct. 16.
 Torpedo director. M. F. Bates. 1,661,686; Mar. 6.
 Torpedo guard. J. Greenwich. 1,664,167; Mar. 27.
 Torpedo placer. R. R. Noblit. 1,663,415; Mar. 20.
 Torpedo, Oil-well. T. M. Winder and W. R. Murrow. 1,686,481; Oct. 2.
 Torpedo, Railway signal. F. Dutcher. 1,673,739; June 12.
 Torpedo, Safety. K. Kohn. 1,670,814; May 22.
 Torpedo tube combined with members for starting and setting the torpedo contained therein. N. E. Methlin. 1,658,004; Jan. 31.
 Torpedo tube, Underwater. H. Techel. 1,656,249; Jan. 17.
 Torpedo, Wakeless. E. A. Sperry. 1,688,761; Oct. 23.
 Torpedoes, Apparatus for launching. H. C. Richardson. 1,681,434; Aug. 21.
 Torpedoes, Stop valve for. W. Dieter. 1,656,269; Jan. 17.
 Torque device. A. L. Lambert. 1,672,616; June 5.
 Torque-equalizing system. A. D. Du Bois. 1,685,839; Oct. 2.
 Torque-transmitting device, Universal. E. H. Webb. 1,660,775; Feb. 28.
 Torsion balance. R. H. Miller. 1,670,310; May 22.
 Torsion meter. S. Shimizu. 1,665,822; Apr. 10.
 Torsion meter, Direct-reading. H. Föttinger. 1,667,628; Apr. 24.
 Tortilla, Apparatus for forming and thereafter releasing. A. J. Pereyra. 1,683,797; Sept. 11.
 Totalizing mechanism. J. Harris. 1,696,087; Dec. 18.
 Total mechanism. W. W. Lasker. 1,672,385; June 5.
 Total-taking device. C. Campbell. 1,681,152; Aug. 14.
 Tour chest. E. M. Stapleton. 1,672,350; June 5.
 Tourniquet, Pneumatic. A. L. Konwiser and D. Loeser. 1,679,978; Aug. 7.
 Tow bar. A. Loebis. 1,654,939; Jan. 3.
 Towing device for automobiles. G. M. Ashton. 1,657,655; Jan. 31.
 Towel. R. L. Leonard. Des. 75,035; May 1.
 Towel. R. de Tiroff (Erté). Des. 76,556-7; Oct. 16.
 Towel. S. S. S. Weber. Des. 74,287; Jan. 17.
 Towel. E. A. Wilson. Des. 75,455-6; June 5.
 Towel bar. A. C. Gilbert. 1,677,280; July 17.
 Towel bar. V. E. Starnier. 1,692,059; Nov. 20.
 Towel-bar bracket. J. H. Balmer. Des. 76,369; Sept. 25.
 Towel dispenser. J. O. Hunt. 1,665,628; Apr. 10.
 Towel holder. B. White. 1,663,107; Mar. 20.
 Towel package. F. Flather. 1,673,763; June 12.
 Towel rack. A. W. Aubrey. 1,666,063; Apr. 17.
 Towel rack. G. E. Collins. 1,693,477; Nov. 27.
 Towel rack. S. A. Frolking. Des. 74,422; Feb. 14.
 Towel rack, Kitchen. O. Kartzmark. 1,695,429; Dec. 18.
 Towel, Sanitary. N. Garrow. 1,681,112; Aug. 14.
 Towel service and advertising device, Combined. C. Helmrich. 1,666,288; Apr. 17.
 Towel support. A. Ruetz and R. G. Dallmann. 1,691,412; Nov. 13.
 Towel support. H. H. Stein. 1,660,940; Feb. 28.
 Toweling fabric. R. L. O'Keefe. Des. 74,621; Mar. 6.
 Tower. L. Brunetti. 1,658,880; Feb. 14.
 Tower. M. B. Schiller and O. J. Haller. 1,676,161; July 3.
 Tower construction. H. O. Hill. 1,687,449; Oct. 9.
 Tower or derrick construction, Fabricated steel. C. B. Foster. 1,676,538; July 10.
 Tower, Suspension. G. R. Falkner-Nuttall. 1,668,197; May 1.
 Towers, Adjustable leg extension for. I. W. Marshall. 1,688,340; Oct. 23.
 Towers and the like, Main distributing water trough for cooling. G. J. Stocker. 1,659,926; Feb. 21.
 Towing apparatus. E. G. Livesay. 1,690,372; Nov. 6.
 Towing device, Vehicle. J. W. Hanses. 1,695,096; Dec. 11.
 Toxic and other irritant substances, Method and apparatus for dispensing. D. B. Bradner. Re16,841; Jan. 3.
 Toy. K. I. Belden. 1,676,884; July 10.
 Toy. J. F. Boyet. 1,675,482; July 3.
 Toy. S. J. Brown. 1,662,998; Mar. 20.
 Toy. J. Ekstein. Des. 74,728; Mar. 20.
 Toy. T. B. Enloe. 1,696,532; Dec. 25.
 Toy. L. E. Gerrish. 1,676,085; July 3.
 Toy. T. E. Griffin. 1,687,610; Oct. 16.
 Toy. L. S. Gunderman. 1,683,131; Sept. 4.
 Toy. H. G. Hose. 1,694,917; Dec. 11.
 Toy. S. Klaus. 1,661,292; Mar. 6.
 Toy. K. Koller. 1,667,123; Apr. 24.
 Toy. B. E. Lloyd. 1,667,353; Apr. 24.
 Toy. C. S. Marden. 1,673,413; June 12.
 Toy. L. R. Paul. 1,676,410; July 10.
 Toy. V. P. Ragenovic. 1,663,729; Mar. 27.
 Toy. E. Reek. Des. 75,871; July 24.
 Toy. E. Reek. 1,661,959; Mar. 6.
 Toy. S. J. Swanson. 1,676,062; July 3.
 Toy. E. W. Whited and C. R. Hodges. 1,671,755; May 29.
 Toy aeroplane. C. A. J. Carlson. 1,671,225; May 29.
 Toy aeroplane. W. H. Daniel. 1,682,267; Aug. 28.
 Toy, Aeroplane. J. J. Renie. Des. 75,697; July 3.
 Toy aeroplanes, Hangar for. G. A. Halter. Des. 76,796; Nov. 6.
 Toy aeroplane vehicle. N. Scourtes and P. Karouzou. 1,681,438; Aug. 21.
 Toy airplane. T. R. Arden. 1,693,189; Nov. 27.
 Toy and advertising novelty. N. E. Johnson. 1,677,122; July 10.
 Toy and making the same, Child's wheel. T. S. Dowst. 1,690,217; Nov. 6.
 Toy and return ball, Combined sounding figure. W. S. Minnix. 1,683,910; Sept. 11.
 Toy animal. R. E. Ellett. Des. 75,481; June 12.
 Toy animal. R. E. Ellett. Des. 76,610; Oct. 16.
 Toy animal. H. S. Hitchcock. 1,681,537; Aug. 21.
 Toy animal. G. E. Studdy. Des. 75,593; June 19.
 Toy animal figure. H. E. Schoenhut. Des. 77,529; Dec. 25.
 Toy animal figure. C. M. Smith. 1,673,759; June 12.
 Toy animal figures, Sounding device for. C. Majewicz. 1,667,125; Apr. 24.
 Toy, Animated. H. F. Bartley. 1,690,811; Nov. 6.
 Toy, Animated. L. M. Butterfield. 1,670,060; May 15.
 Toy, Animated. J. Buttigieg. 1,660,252; Feb. 21.
 Toy, Animated. H. E. Price. 1,695,205; Dec. 11.
 Toy, Animated fish. D. H. King. 1,661,758; Mar. 6.
 Toy, Automatic. W. J. Roche. 1,687,315; Oct. 9.
 Toy automobile. S. Gordon. 75,910; July 31.
 Toy aviation device. S. I. Berger. Des. 75,770; July 17.
 Toy ball. F. A. Cigol. Des. 74,213; Jan. 10.
 Toy ball, Resilient. R. D. Kafka. Des. 74,569; Feb. 28.
 Toy balloon. J. F. Mulholland. Des. 75,510; June 12.
 Toy balloon. J. Tyndall. Des. 77,271; Dec. 18.
 Toy bank. D. Hall. 1,679,658; Aug. 7.
 Toy bank. I. S. Kronowitz. Des. 77,158; Dec. 11.
 Toy baseball game. M. J. Lowry. 1,685,428; Sept. 25.
 Toy boat. E. L. Cayo. 1,681,465; Aug. 21.
 Toy boat. J. R. Miller. Des. 76,148; Aug. 21.
 Toy body formed of sheet material. I. Berger. 1,685,594; Sept. 25.
 Toy bomb. F. J. Carpenter. 1,663,679; Mar. 27.
 Toy bomb or projector. A. Craig. 1,664,401; Apr. 3.
 Toy bow. F. W. and E. B. Chamberlain. 1,683,865; Sept. 11.
 Toy bridge, Bascule. H. Jade. 1,661,429; Mar. 6.
 Toy building. A. F. Bemis. 1,671,505; May 29.
 Toy building block. H. E. Hodgson. 1,656,199; Jan. 17.
 Toy building block and wall construction. F. E. and F. D. Jones. 1,695,553; Dec. 18.
 Toy building blocks. G. L. Crosman and L. P. Crosman. 1,668,551; May 8.
 Toy building element. A. C. Gilbert. Des. 76,792; Nov. 6.
 Toy building element. W. R. Benjamin. 1,661,687; Mar. 6.
 Toy camera. R. J. Perry. 1,660,233; Feb. 21.
 Toy cannon. A. S. Littlefield. 1,673,945; June 19.
 Toy cars, Window construction for. E. D. Boisselier. 1,693,191; Nov. 27.
 Toy cart. F. M. Archer. 1,672,553; June 5.
 Toy car-truck construction. L. Caruso. 1,670,650; May 22.
 Toy cat. F. M. Mansfield. Des. 75,038; May 1.
 Toy catapult. F. E. Allender. 1,680,077; Aug. 7.
 Toy, Child's. J. E. Harner. 1,666,378; Apr. 17.
 Toy, Child's convertible. A. E. Rainey. 1,663,060; Mar. 20.
 Toy, Cinematographic. A. Bekesch. 1,680,659; Aug. 14.
 Toy, Circus. L. Marx. 1,681,304; Aug. 21.
 Toy clock. S. C. Vincent. 1,688,766; Oct. 23.

- Toy computing device and number-revealing game. E. C. Des Enfants. 1,666,641; Apr. 17.
- Toy construction outfit. G. G. Oldfield. 1,678,602; July 24.
- Toy construction set. W. Herrschaft. 1,667,256; Apr. 24.
- Toy, Convertible. W. E. Stark. 1,665,043; Apr. 3.
- Toy crane. T. R. Arden. 1,660,780; Feb. 28.
- Toy crane, Automatic. G. B. Downs. 1,692,723; Nov. 20.
- Toy device, Rotary. V. Bitetto. 1,659,423; Feb. 14.
- Toy device, Wheeled-. E. P. Watson. 1,662,447; Mar. 13.
- Toy, Diver. C. Weidinger, L. Gradl, and M. Schöner. 1,675,522; July 3.
- Toy, Doll. R. A. Freundlich. 1,671,235; May 29.
- Toy doll, Ornamental. M. W. Robichaud. 1,661,856; Mar. 6.
- Toy duck, Mechanical. P. De Lemme. 1,655,358; Jan. 8.
- Toy, Educational. S. Damoff. 1,659,810; Feb. 21.
- Toy electric engine. J. Koenig. 1,678,397; July 24.
- Toy electric railroad switch. J. Cooper. 1,671,971; June 5.
- Toy electric railroads, Block system for. R. F. Bronson. 1,655,088; Jan. 3.
- Toy electric-railway control device. A. H. Gill. 1,696,534; Dec. 25.
- Toy electric railways, Connection plate for. W. Schwarzenhauer. 1,672,915; June 12.
- Toy elephant. R. Roys. Des. 75,289; May 22.
- Toy, Figure. M. L. Cate. 1,659,720; Feb. 21.
- Toy, Figure. J. G. Levy. 1,658,054; Feb. 7.
- Toy figure. H. Müller. 1,669,993; May 15.
- Toy, Figure. A. E. Paluck. 1,684,287; Sept. 11.
- Toy, Figure. J. D. Peace. 1,657,175; Jan. 24.
- Toy, Figure. C. A. Peck. 1,677,652; July 17.
- Toy, Figure. J. A. Spencer. 1,676,296; July 10.
- Toy, Figure. C. L. Yale and E. P. Vance. Des. 75,994; Aug. 7.
- Toy figure, Hollow. H. Müller. 1,693,563; Nov. 27.
- Toy figure imitating natural walking motions. H. Höning. 1,657,798; Jan. 31.
- Toy, Figure wheel. A. A. Allinger. 1,686,061; Oct. 2.
- Toy, Figure wheel. R. R. Nordstrom. 1,682,235; Aug. 28.
- Toy, Figure wheeled. A. Capek. 1,681,093; Aug. 14.
- Toy, Figure wheeled. J. L. Henry. 1,688,927; Oct. 23.
- Toy, Figure wheeled. A. L. Higgins. 1,681,666; Aug. 21.
- Toy, Figure wheeled. G. C. Hunter. 1,680,991; Aug. 14.
- Toy, Figure wheeled. G. B. Lynch. 1,678,519; July 24.
- Toy, Figure wheeled. F. E. Vautrin. 1,695,475; Dec. 18.
- Toy, Figure wheeled. E. A. Wagner. 1,693,326; Nov. 27.
- Toy figures, Eye for. J. H. Wilhelm. 1,658,471; Feb. 7.
- Toy fire-engine house and call box. F. W. Warner. 1,693,128; Nov. 27.
- Toy, floatable. J. Hall. 1,691,189; Nov. 13.
- Toy, Flying. J. Calvo. 1,675,970; July 3.
- Toy for emitting smoke rings. T. Shoudy. 1,671,132; May 29.
- Toy, Game. J. F. Strombeck. 1,667,086; Apr. 24.
- Toy game. F. M. Welch. 1,695,937; Dec. 18.
- Toy game color chart. A. A. Scheuer. 1,689,158; Oct. 23.
- Toy game device. A. Spitzer. 1,684,602; Sept. 18.
- Toy game target. M. Koizumi. 1,692,042; Nov. 20.
- Toy glider. M. P. Miller. 1,680,689; Aug. 14.
- Toy, Gravity-operated figure. W. W. Harris. 1,666,417; Apr. 17.
- Toy gun. J. H. Buhrie. 1,666,771; Apr. 17.
- Toy gun. W. F. Schmidt. 1,660,581; Feb. 28.
- Toy gun. F. Urbuteit. 1,654,847; Jan. 3.
- Toy, Hollow rubber. L. L. Smart. 1,668,785; May 8.
- Toy horse. A. Campbell. 1,661,463; Mar. 6.
- Toy horse. J. P. Krimke. 1,692,667; Nov. 20.
- Toy horse, Bucking. L. S. Pratt. 1,687,693; Oct. 16.
- Toy house. J. H. Frier, jr. Des. 77,148-9; Dec. 11.
- Toy, Inflatable. L. H. Allen. 1,673,479; June 12.
- Toy jig saw. H. C. Madsen. 1,694,070; Dec. 4.
- Toy, Jumping. E. G. Middleton. 1,673,772; June 12.
- Toy, Jumping figure. M. E. Nebel. 1,657,936; Jan. 31.
- Toy knockdown aeroplane. R. E. Conway. 1,674,637; June 26.
- Toy locomotive, Bell-ringing. H. S. Becker. 1,684,754; Sept. 18.
- Toy locomotives, Bell-ringing means for. H. S. Becker. 1,677,669; July 17.
- Toy locomotives, Headlight for. L. Caruso. 1,672,871; June 12.
- Toy machine frame. A. C. Gilbert. Des. 77,150; Dec. 11.
- Toy, Magnetic. W. L. Buedingen. 1,674,095; June 19.
- Toy magnetic crane. E. J. Keedy. 1,685,707; Sept. 25.
- Toy, Mechanical. J. J. Becker. 1,665,578; Apr. 10.
- Toy, Mechanical. J. J. Becker. 1,683,232; Sept. 4.
- Toy, Mechanical. S. I. Berger. 1,674,587-8; June 19.
- Toy, Mechanical. C. R. Brady. 1,655,984; Jan. 10.
- Toy, Mechanical. J. W. Culp. 1,686,527; Apr. 17.
- Toy, Mechanical. E. E. France. 1,670,249; May 15.
- Toy, Mechanical. G. N. Hall. 1,695,095; Dec. 11.
- Toy, Mechanical. F. J. Harbst. 1,658,636; Feb. 7.
- Toy, Mechanical. N. Heyman. 1,690,409; Nov. 6.
- Toy, Mechanical. E. P. Lehmann. 1,687,675; Oct. 16.
- Toy, Mechanical. J. W. Thompson. 1,688,097; Oct. 16.
- Toy, Mechanical clown. H. A. Okel. 1,679,262; July 31.
- Toy, Mechanical figure. S. I. Berger. 1,674,943; June 26.
- Toy, Mechanical figure. L. D. Crossett. 1,688,575; Oct. 23.
- Toy, Mechanical figure wheeled. G. W. Gould. 1,656,732; Jan. 17.
- Toy, Mechanical game. J. W. Culp. 1,695,683; Dec. 18.
- Toy, Mechanical racing. C. Zabel. 1,661,865; Mar. 6.
- Toy, Mechanically-operated figure. J. Gallo and J. B. Rollins. 1,655,416; Jan. 10.
- Toy mechanism, Talking. L. V. Aronson. 1,667,093; Apr. 24.
- Toy mechanism, Talking. F. Evans. 1,667,106-8; Apr. 24.
- Toy mechanism, Talking. F. Evans. 1,693,228; Nov. 27.
- Toy machine gun. W. F. Schmidt. 1,691,170; Nov. 13.
- Toy machine gun. W. F. Schmidt. 1,693,406; Nov. 27.
- Toy monoplane. L. Jatunn. 1,690,978; Nov. 6.
- Toy, Mosaic. L. G. Appley. 1,681,759; Aug. 21.
- Toy motion-picture device. L. A. King. 1,688,972; Oct. 23.
- Toy, Motor-actuated. L. V. Aronson. 1,692,242; Nov. 20.
- Toy motor boat. F. L. Lindstrom. 1,673,701; June 12.
- Toy mounting, Aeronautic. E. G. McMenamin. 1,676,989; July 10.
- Toy novelty. J. Romano. 1,667,606; Apr. 24.
- Toy nursing bottle. J. Jacobs. 1,692,938; Nov. 27.
- Toy or amusement device, Mechanical. C. Zabel. 1,661,864; Mar. 6.
- Toy or instrument, Musical. M. J. McIntyre. 1,676,659; July 10.
- Toy pedal car. S. Savage. 1,668,784; May 8.
- Toy piano and operating same. G. M. Patten. 1,667,078; Apr. 24.
- Toy, Pin-wheel. J. Heberling. 1,673,330; June 12.
- Toy pistol. R. L. Ford. 1,683,662; Sept. 11.
- Toy pistol. J. D. Kilgore. 1,678,597; July 24.
- Toy pistol. E. S. Peake. 1,660,175; Feb. 21.
- Toy pistol. E. S. Peake. 1,671,447; May 29.
- Toy pistol. W. F. Schmidt. 1,660,582; Feb. 28.
- Toy pistol, Automatic repeating. A. C. Jonassen. 1,660,127; Feb. 21.
- Toy pistol construction. R. A. Frisbie. 1,691,237; Nov. 13.
- Toy pool table. H. J. Brinkman. 1,656,416; Jan. 17.
- Toy pougon. W. J. McMarlin and L. H. Strayer. Des. 75,635; June 26.
- Toy, Projecting figure wheel. C. A. Wetzell. 1,692,714; Nov. 20.
- Toy, Push. A. F. Schoenhut. Des. 75,527; June 12.
- Toy pushcart. O. Peterson. 1,681,876; Aug. 21.
- Toy, Racing. F. O. Lingenfelder. 1,660,715; Feb. 28.
- Toy, Racing. E. H. Thuillier. 1,673,538; June 12.
- Toy railroad. L. Caruso. 1,671,227; May 29.
- Toy railroad. J. L. Cowen. 1,671,276; May 29.
- Toy railroad. J. A. Moffitt. 1,679,911; Aug. 7.
- Toy railroads, Contact mechanism for. L. Caruso. 1,674,275; June 19.
- Toy railway, Terminal connector for. A. R. Fergusson. 1,656,052; Jan. 10.
- Toy railway tracks, Electrical connector for. L. Caruso. 1,658,039; Feb. 7.
- Toy railways, Rail-joint connection for. L. Reischl. 1,678,079; July 24.
- Toy representing a turkey gobbler. I. R. Leigh. 1,678,226; July 24.
- Toy, Rocker. L. L. Mallard. 1,688,282; Oct. 16.
- Toy, Rocking-horse. G. H. Tegelberg. 1,684,250; Sept. 11.
- Toy roundabout. G. Habicht. 1,684,796; Sept. 18.
- Toy, Roundabout. L. Marx. 1,663,379; Mar. 20.
- Toy roundabout. H. M. Reiner. 1,681,310; Aug. 21.
- Toy saving bank. O. A. Hensel. 1,658,378; Feb. 7.
- Toy, Scooter figure wheeled. J. L. Henry. 1,688,926; Oct. 23.
- Toy shotgun. W. R. Paxson. 1,671,541; May 29.
- Toy, Somersaulting. P. Wüstendorfer. 1,695,310; Dec. 18.
- Toy, Sounding. N. E. Covel. 1,672,248; June 5.
- Toy, Sounding. J. W. Dougherty. 1,668,005; May 1.
- Toy, Sounding. F. Pichler. 1,655,291; Jan. 3.
- Toy, Sounding figure. B. E. Lloyd. 1,691,443; Nov. 13.
- Toy, Spark. C. Arnold. 1,692,146; Nov. 20.
- Toy, Spark. C. Arnold. 1,692,148; Nov. 20.
- Toy, Spark-producing. C. Arnold. 1,685,412; Sept. 25.
- Toy, Spark-producing figure wheeled. C. Arnold. 1,678,797; July 31.
- Toy speed boat. C. R. Buchet. 1,685,350; Sept. 25.
- Toy, Spinning. C. V. Benson. Des. 76,768; Nov. 6.
- Toy, Spring teetering. I. A. Shanton. 1,677,531; July 17.
- Toy spring vehicle. L. Kolaczowski. 1,693,392; Nov. 27.
- Toy, Static-induction. F. G. Hanback. 1,659,025; Feb. 14.
- Toy tape pistol. R. A. Frisbie. 1,674,429; June 19.
- Toy target game. L. L. Mallard. 1,666,336; Apr. 17.
- Toy television. H. D. Allen. 1,656,905; Jan. 24.
- Toy top. O. R. Dailey. 1,657,071; Jan. 24.
- Toy torpedo. K. Kohn. 1,670,813; May 22.
- Toy torpedo. K. Kohn. 1,672,460; June 5.
- Toy torpedo. K. Kohn. 1,677,034-5; July 10.
- Toy torpedo, Safety. K. Kohn. 1,669,691; May 8.
- Toy, Traffic-simulating. L. Marx. 1,674,293; June 19.
- Toy train coupling. F. S. Upham. 1,665,758; Apr. 10.
- Toy trains, Track for. F. Hornby. 1,690,448; Nov. 6.
- Toy transformer. B. H. Smith, A. L. Atherton, and E. H. Greibach. 1,684,746; Sept. 18.
- Toy vehicle. B. F. Dudek and R. J. Mandery. 1,663,121; Mar. 20.
- Toy vehicle. R. B. Fageol. 1,679,819; Aug. 7.
- Toy vehicle. C. D. Fisher. 1,668,360; May 1.
- Toy vehicle. G. G. Iffe. 1,667,940; May 1.
- Toy vehicle. B. B. Martin. 1,686,389; Oct. 2.
- Toy vehicle. L. Marx. 1,663,169; Mar. 20.

- Toy vehicle. J. F. O'Brien. 1,679,169; July 31.
 Toy vehicle. H. Pfaffenberger. 1,678,785; July 31.
 Toy vehicle. A. Scholer. 1,688,024; Oct. 16.
 Toy vehicle. J. Sepon. 1,676,839; July 10.
 Toy vehicle. F. F. Taylor. 1,656,128; Jan. 10.
 Toy vehicle. L. M. Zander. 1,674,272; June 19.
 Toy vehicle, Wheeled. P. T. Wallgren. 1,686,427; Oct. 2.
 Toy, Vehicular. C. S. McCarthy. 1,654,985; Jan. 3.
 Toy wagon. A. E. Rainey. 1,689,682; Oct. 30.
 Toy, Washing-machine. F. M. Fahl. 1,658,611; Feb. 7.
 Toy watchman's tower. J. E. Cuff. Des. 77,297; Dec. 25.
 Toy wheel. C. M. Watrous. 1,682,715; Aug. 28.
 Toy, Wheel-bearing figure. C. A. Wetzel. Des. 75,887-8; July 24.
 Toy, Wheeled. I. Berger. 1,660,783; Feb. 28.
 Toy, Wheeled. J. Ekstein. Des. 74,875; Apr. 10.
 Toy, Wheeled. W. N. Hill. 1,695,333; Dec. 18.
 Toy, Wheeled. H. P. Mogensen. Des. 75,277; May 22.
 Toy, Wheeled. L. E. Myers, A. C. Carlson, and C. S. Bates. 1,665,469; Apr. 10.
 Toy, Wheeled. A. White. 1,658,068; Feb. 7.
 Toy, Wheeled figure. L. L. Witter. 1,659,306; Feb. 14.
 Toy, Wheeled wind. M. Cohn. 1,689,010; Oct. 23.
 Toy whistling device. C. W. Bauer. 1,655,529; Jan. 10.
 Toy windmill. W. B. Scott. 1,693,057; Nov. 27.
 Toy with changing colors, Spark-producing. C. Arnold. 1,689,220; Oct. 30.
 Toy with rack-operated driving mechanism and changing colors, Spark-producing. C. Arnold. 1,692,147; Nov. 20.
 Toy woodpecker. J. W. Snedeker. 1,677,463; July 17.
 Toys running on cords, Cord guide for rolling. C. Meyer. 1,681,674; Aug. 21.
 Toys, Toothed gearing for building. F. Walther. 1,690,349; Nov. 6.
 Toys, Wheel for. C. M. Watrous. 1,666,611; Apr. 17.
 Toys with changing pictures, Interchangeable transparent disk on spark-producing. C. Arnold. 1,685,411; Sept. 25.
 Tracer point. J. C. and R. D. Shaw. 1,694,022; Dec. 4.
 Tracing cross sections, Device for. O. von Bruber. 1,665,002; Apr. 3.
 Tracing table. M. G. Jackson. 1,676,440; July 10.
 Track and flange lubricator. M. L. Tipton. 1,687,185; Oct. 9.
 Track apparatus, Racing. H. B. Staver. 1,680,072; Aug. 7.
 Track band for slide rails. J. E. Wilson. 1,659,178; Feb. 14.
 Track-bed construction and arrangement. G. W. Muller. 1,661,702; Mar. 6.
 Track belts, Tensioning mechanism for endless. A. Kégresse. 1,660,383; Feb. 28.
 Track brake. W. Miner. 1,692,090; Nov. 20.
 Track chock for car wheels. M. Heeren. 1,686,379; Oct. 2.
 Track-circuit system. A. G. Williamson. 1,664,382; Mar. 27.
 Track clearer for vehicles. J. Van de Putte. 1,688,476; Oct. 23.
 Track construction, Railway. H. Etheridge. 1,660,604-5; Feb. 28.
 Track, Coursing. W. C. Cox. 1,675,972; July 3.
 Track drill. J. L. Christian. 1,690,102; Nov. 6.
 Track drill. R. Rostron. 1,695,062; Dec. 11.
 Track for coke ovens, Pusher. L. F. Schrader. 1,696,259; Dec. 25.
 Track for high-speed suspension railways. F. Kruckenberg and C. Stedefeld. 1,668,514; May 1.
 Track for miniature electric trains. W. E. Thayer. 1,680,918; Aug. 14.
 Track for sliding sashes. R. I. Eustis. 1,685,535; Sept. 25.
 Track for tracklaying vehicles, Flexible. H. A. Knox and B. F. Baker. 1,680,624; Aug. 14.
 Track for vehicles, Endless. F. E. Lamb. 1,678,149; July 24.
 Track gauge. R. E. Keough. 1,696,885; Dec. 25.
 Track-gauge indicator. L. R. Bryant. 1,681,091; Aug. 14.
 Track guard rail. J. V. Wescott. 1,665,242; Apr. 10.
 Track highway, Invisible. S. B. Moore. 1,674,787; June 26.
 Track installation for train-control systems. T. E. and J. E. Clark. 1,655,221; Jan. 3.
 Tracklaying device. I. Santos y Suarez, and A. Acosta y Velo. 1,683,498; Sept. 4.
 Track level. D. K. Newmyer. 1,683,394; Sept. 4.
 Track liner. R. Rostron. 1,683,999; Sept. 4.
 Track liner. R. H. Bloxham. 1,662,996; Mar. 20.
 Track liner. C. A. Disbrow. 1,663,071; Mar. 20.
 Track liner. F. Hackmann. 1,694,651; Dec. 11.
 Track liner. B. S. McClellan. 1,672,898; June 12.
 Track-link connection. F. Grotts. 1,694,035; Dec. 4.
 Track pedestal. H. M. Pfager. 1,664,830-1; Apr. 3.
 Track sander, Railway. P. Lofy. 1,681,419; Aug. 21.
 Track sprinkler. W. H. Whalen. 1,685,581; Sept. 25.
 Track switch, Toy railroad. A. H. Gill. 1,671,236; May 29.
 Track-tamping machine. E. E. Peterson. 1,684,109; Sept. 11.
 Tracking device. R. Bukow. 1,676,475; July 10.
 Tracks of street railways, Construction of. G. Oess. 1,684,680; Sept. 18.
 Tracks, Supporting means for overhead. O. C. Schmidt. 1,662,539; Mar. 13.
 Trackway, High-speed. F. J. Lukens. 1,682,974; Sept. 4.
 Traction apparatus. W. B. Curtis. 1,683,870; Sept. 11.
 Traction attachment for automobiles. W. R. McLean. 1,689,885; Oct. 30.
 Traction device. W. S. Callery. 1,661,996; Mar. 6.
 Traction device. S. G. Scholz. 1,665,478; Apr. 10.
 Traction device, Portable. H. C. Remmers. 1,683,411; Sept. 4.
 Traction engine. C. L. Best. 1,661,649; Mar. 6.
 Traction implement, Combination. A. G. and A. Ronning. 1,658,353; Feb. 7.
 Traction increasing device for endless flexible track belts. A. Kégresse. 1,695,657; Dec. 18.
 Traction machine. A. R. Keeler. 1,657,360; Jan. 24.
 Traction wheel. J. J. Campodonico. 1,666,526; Apr. 17.
 Traction wheel. L. E. Slauson. 1,677,568; July 17.
 Traction wheel. W. E. Wine. 1,666,036; Apr. 10.
 Traction wheel. W. E. Wine and J. W. Promenschenkel. 1,666,037; Apr. 10.
 Tractor. J. Bartnicki. 1,661,105; Feb. 28.
 Tractor. C. P. Brockway. 1,689,546; Oct. 30.
 Tractor. G. W. Engstrom. 1,685,279; Sept. 25.
 Tractor. H. R. Halvorsen. 1,691,846; Nov. 13.
 Tractor. G. von Jalsowiczky. 1,679,754; Aug. 7.
 Tractor. A. S. Krotz. 1,680,553; Aug. 14.
 Tractor. T. C. Leake. 1,677,878; July 17.
 Tractor. H. H. Linn. 1,685,676; Sept. 25.
 Tractor. A. McDowall. 1,694,226; Dec. 4.
 Tractor. M. E. Miller. 1,692,342; Nov. 20.
 Tractor. T. W. Nichols. 1,681,426; Aug. 21.
 Tractor. D. P. Owens. 1,669,845; May 8.
 Tractor. C. A. Peters. 1,662,982; Mar. 20.
 Tractor. C. C. Stedman. 1,690,141; Nov. 6.
 Tractor. W. S. L. Ulrich. 1,676,622; July 10.
 Tractor and agricultural implement, Combined. G. D. Jones. 1,682,727; Aug. 28.
 Tractor and hitch construction. C. J. Travers. 1,685,968; Oct. 2.
 Tractor and tractor implement. H. Ferguson. 1,687,719; Oct. 16.
 Tractor attachment. B. R. Benjamin. 1,680,846; Aug. 14.
 Tractor attachment. A. Corona. 1,682,717; Aug. 28.
 Tractor attachment. E. Halmer. 1,657,747; Jan. 31.
 Tractor attachment. A. C. Lindgren and A. D. Gallagher. 1,677,482; July 17.
 Tractor construction. I. G. Young. 1,675,013; June 26.
 Tractor, Convertible. W. H. Smyth. 1,660,105; Feb. 21.
 Tractor, Convertible wheeled truck. W. Christie. 1,673,102; June 12.
 Tractor cultivator. M. Boldt. 1,671,507; May 29.
 Tractor cultivator attachment. C. Y. Thomson, sr. 1,677,505; July 17.
 Tractor device. J. Vibber. 1,676,120; July 3.
 Tractor drive mechanism. W. H. Yount. 1,658,276; Feb. 7.
 Tractor extension frame. J. H. Wilson. 1,673,612; June 12.
 Tractor extension frame. R. J. Winsor. 1,669,364; May 8.
 Tractor, Fast-speed. W. H. Smyth. 1,660,104; Feb. 21.
 Tractor for agricultural implements. W. F. Smith. 1,682,311; Aug. 28.
 Tractor for cultivators and other machines, Two-wheeled. D. Parrett. 1,690,205; Nov. 6.
 Tractor, Garden. G. T. Strite. 1,666,185; Apr. 17.
 Tractor guide. C. E. Everett. 1,694,210; Dec. 4.
 Tractor, High-speed. W. H. Smyth. 1,660,100-101; Feb. 21.
 Tractor, High-speed tracklaying. W. H. Smyth. 1,660,102; Feb. 21.
 Tractor hitch. C. D. Cole. 1,671,702; May 29.
 Tractor hitch. W. S. Graham. 1,663,250; Mar. 20.
 Tractor hitch. G. A. Jarvis. 1,659,876; Feb. 21.
 Tractor hitch. T. K. Martin. 1,677,639; July 17.
 Tractor hoist. C. L. Best. 1,673,307; June 12.
 Tractor mechanism. W. S. L. Ulrich. 1,676,624; July 10.
 Tractor-operated stump-uprooting device. J. Meunier. 1,676,040; July 3.
 Tractor-operated winch. R. Busch, sr. 1,662,414; Mar. 13.
 Tractor plow and cultivator. B. E. Byrd. 1,667,880; May 1.
 Tractor-propelled implement. G. D. Jones. 1,682,228; Aug. 28.
 Tractor-propelling device, Secondary. F. Praszkeviz. 1,684,969; Sept. 18.
 Tractor seat. A. B. Caslow. 1,663,112; Mar. 20.
 Tractor, Shop. F. W. Burger and B. Stockfleth. 1,665,684; Apr. 10.
 Tractor sweep rake. C. A. Fleming. 1,664,974; Apr. 8.
 Tractor, Tracklaying. C. L. Best. 1,656,899; Jan. 24.
 Tractor, Tracklaying. C. L. Best. 1,674,817; June 26.
 Tractor trailer. C. H. Land. 1,686,698; Oct. 9.
 Tractor-trailer combination. R. B. Jones. 1,668,276; May 1.
 Tractor trailer combination. S. B. Winn. 1,660,944; Feb. 28.
 Tractor trailer combination. S. B. Winn. 1,660,948; Feb. 28.
 Tractor trailer connection. P. Raimer. 1,661,737; Mar. 6.
 Tractor wheel. E. E. Deitrich. 1,670,100; May 15.
 Tractor wheel. H. Pounds. 1,662,208; Mar. 13.

- Tractors, Antirearing attachment for. W. Hayes. 1,690,064; Oct. 30.
- Tractors, Attachment for. O. W. Johnson. 1,671,370; May 29.
- Tractors, Attachment for. E. C. Myers. 1,689,796; Oct. 30.
- Tractors, Attachment for. C. H. Turner. 1,682,313; Aug. 28.
- Tractors, Belt scraper for. J. Mosca. 1,682,623; Aug. 28.
- Tractors, Boom attachment for. J. D. Cummings. 1,676,688; July 10.
- Tractors, Clutch-locking device for. J. Kocsis. 1,682,574; Aug. 28.
- Tractors, Control mechanism for. J. E. Anthony. 1,667,361; Apr. 24.
- Tractors, Coupling attachment for. I. Offutt. 1,659,046; Feb. 14.
- Tractors, Drawbar attachment for. G. O. Lee. 1,655,376; Jan. 3.
- Tractors, Drawbar shift for. V. L. Gibson. 1,665,133; Apr. 3.
- Tractors, Driving attachment for auxiliary mechanism on. C. W. Dayton. 1,657,994; Jan. 31.
- Tractors, Earth-working attachment for. A. G. and A. Ronning. 1,658,354; Feb. 7.
- Tractors for haulage purposes on rail or tram lines, Adapting motor. R. Joughin. 1,677,184; July 17.
- Tractors, Hoist attachment for. H. S. Myers. 1,678,158; July 24.
- Tractors, Lifting attachment for shop. F. W. Burger and B. Stocketh. 1,660,413; Feb. 28.
- Tractors, Loading and unloading attachment for. M. H. Damerell. 1,693,335; Nov. 27.
- Tractors, Remote control for. G. A. Trauger. 1,683,000; Sept. 4.
- Tractors, Side-draft control for. W. L. Paul. 1,685,375; Sept. 25.
- Tractors, Supplemental device attachment for Fordson. A. J. Ersted. 1,656,700; Jan. 17.
- Tractors, Wagon-loading device for. N. P. Nelson and F. W. James. 1,662,832; Mar. 20.
- Trade-check credit machine. W. W. Osborne. 1,690,875; Nov. 6.
- Trade token, Metal. J. H. Schierloh. Des. 75,656; June 26.
- Traffic button or signal. D. H. Durand. 1,685,449; Sept. 25.
- Traffic-control system. C. B. Foley. 1,675,339; July 3.
- Traffic-control system for radio broadcast distribution. E. E. Clement. 1,695,176; Dec. 11.
- Traffic-controlling apparatus, Railway-. D. G. Ackerly. 1,675,587; July 3.
- Traffic-controlling apparatus, Railway-. W. P. Allen. 1,656,934; Jan. 24.
- Traffic-controlling apparatus, Railway-. G. W. Baughman. 1,662,950; Mar. 20.
- Traffic-controlling apparatus, Railway-. G. W. Baughman. 1,695,678; Dec. 18.
- Traffic-controlling apparatus, Railway-. C. R. Beall. 1,679,015; July 31.
- Traffic-controlling apparatus, Railway-. C. W. Failor. 1,675,927; July 3.
- Traffic-controlling apparatus, Railway-. C. W. Failor. 1,682,747; Sept. 4.
- Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,655,400; Jan. 3.
- Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,655,862; Jan. 10.
- Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,657,620; Jan. 31.
- Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,661,175; Mar. 6.
- Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,677,518; June 17.
- Traffic-controlling apparatus, Railway-. R. M. Gilson. 1,687,125; Oct. 9.
- Traffic-controlling apparatus, Railway-. R. M. Gilson and A. A. Skene. 1,679,014; July 31.
- Traffic-controlling apparatus, Railway-. H. W. Griffin and L. F. Howard. 1,664,814; Apr. 3.
- Traffic-controlling apparatus, Railway-. L. O. Grondahl. 1,656,580; Jan. 17.
- Traffic-controlling apparatus, Railway-. L. O. Grondahl. 1,668,243; May 1.
- Traffic-controlling apparatus, Railway-. L. O. Grondahl. 1,668,641; May 8.
- Traffic-controlling apparatus, Railway-. H. O. Holte. 1,675,553; July 3.
- Traffic-controlling apparatus, Railway-. F. W. Lee. 1,673,335; June 12.
- Traffic-controlling apparatus, Railway-. L. V. Lewis. 1,674,782; June 26.
- Traffic-controlling apparatus, Railway-. S. M. Lucas. 1,656,947; Jan. 24.
- Traffic-controlling apparatus, Railway-. S. M. Lucas. 1,658,491; Feb. 7.
- Traffic-controlling apparatus, Railway-. S. M. Lucas. 1,690,235; Nov. 6.
- Traffic-controlling apparatus, Railway-. R. A. McCann. 1,681,993; Aug. 28.
- Traffic-controlling apparatus, Railway-. E. R. Padmore. 1,665,860; Apr. 10.
- Traffic-controlling apparatus, Railway-. A. A. Skene and H. A. Thompson. 1,663,222; Mar. 20.
- Traffic-controlling apparatus, Railway-. W. E. Smith. 1,664,834; Apr. 3.
- Traffic-controlling apparatus, Railway-. C. S. Snively. 1,678,683; July 31.
- Traffic-controlling apparatus, Railway-. C. S. Snively. 1,679,795; Aug. 7.
- Traffic-controlling apparatus, Railway-. A. J. Sorensen. 1,682,997; Sept. 4.
- Traffic-controlling apparatus, Railway-. C. W. Sproull. 1,678,276; July 24.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,659,672; Feb. 21.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,662,990; Mar. 20.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,664,469; Apr. 3.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,664,532; Apr. 3.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,673,303; June 12.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,675,583; July 3.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,692,061; Nov. 20.
- Traffic-controlling apparatus, Railway-. H. A. Thompson. 1,694,339; Dec. 4.
- Traffic-controlling apparatus, Railway-. H. A. Wallace. 1,662,481; Mar. 13.
- Traffic-controlling apparatus, Railway-. H. A. Wallace. 1,667,577; Apr. 24.
- Traffic-controlling apparatus, Railway-. H. A. Wallace. 1,675,584; July 3.
- Traffic-controlling apparatus, Railway-. H. A. Wallace. 1,691,096; Nov. 13.
- Traffic-controlling apparatus, Railway-. H. S. Young. 1,687,920; Oct. 16.
- Traffic-controlling apparatus, Railway-. C. H. Zierdt. 1,679,013; July 31.
- Traffic-controlling device. G. H. Dahnke. 1,665,157; Apr. 3.
- Traffic-controlling system. A. G. Williamson. 1,695,131; Dec. 11.
- Traffic indicator. J. E. Lock. 1,671,831; May 29.
- Traffic light. N. S. Bement. 1,664,536; Apr. 3.
- Traffic, Regulating. F. E. Woodford. 1,659,904; Feb. 21.
- Traffic regulator. M. E. Busch. 1,664,947; Apr. 3.
- Traffic sign. L. J. Betts. 1,668,486; May 1.
- Traffic sign. F. J. Schrank. 1,668,288; May 1.
- Traffic sign or similar article. H. J. O'Connor. Des. 75,386; May 29.
- Traffic signal. F. Buchanan. 1,666,051; Apr. 10.
- Traffic signal. W. R. Corey. 1,662,298; Mar. 13.
- Traffic signal. R. Fisher. Des. 75,156; May 15.
- Traffic signal. J. B. Freidah. 1,690,971; Nov. 6.
- Traffic signal. R. French. 1,686,850; Oct. 9.
- Traffic signal. B. Fuhrer. 1,691,344; Nov. 13.
- Traffic signal. F. W. Griswold. Des. 74,925; Apr. 17.
- Traffic signal. G. L. Harris. 1,682,753; Sept. 4.
- Traffic signal. O. L. Hilde. Des. 76,241; Aug. 21.
- Traffic signal. C. W. Johnson. 1,695,712; Dec. 18.
- Traffic signal. R. C. Keogan. 1,686,329; Oct. 2.
- Traffic signal. J. Rank. 1,688,398; Oct. 23.
- Traffic signal. J. and H. W. Rank. 1,661,446; Mar. 6.
- Traffic signal. J. and H. W. Rank. 1,691,126; Nov. 13.
- Traffic signal. D. C. Smith. 1,670,011; May 15.
- Traffic signal. B. C. Smith and T. H. Chandler. 1,687,183; Oct. 9.
- Traffic signal. C. D. Smyth and G. M. Robey. 1,684,207; Sept. 11.
- Traffic signal. I. D. White. 1,656,687; Jan. 17.
- Traffic-signal apparatus. J. Kubli. 1,692,942; Nov. 27.
- Traffic signal, Automatic. H. J. and J. F. Borgerding. 1,655,590; Jan. 10.
- Traffic signal, Automatic. J. T. Wayland and T. D. Jones. 1,691,791; Nov. 13.
- Traffic signal, Automobile. W. J. Kramer. 1,694,184; Dec. 4.
- Traffic-signal casing. G. L. Estes. Des. 74,362; Feb. 7.
- Traffic signal, Electric. W. W. Whitmore. 1,677,942; July 24.
- Traffic signal for, Automobile. J. H. Powers. 1,664,791; Apr. 3.
- Traffic signal for motor vehicles. J. L. Donley. 1,664,105; Mar. 27.
- Traffic signal, Motor. J. T. Dye. 1,660,746; Feb. 28.
- Traffic signal, Reflecting. W. H. Tobener. 1,670,327; May 22.
- Traffic signal, Street. K. E. Erickson. Des. 75,831; July 24.
- Traffic signal, Variable. R. O. Nelson. 1,665,560; Apr. 10.
- Trailer. W. H. Clay. 1,655,454; Jan. 10.
- Trailer. C. G. Irwin. 1,668,079; May 1.
- Trailer. E. A. King. 1,694,267; Dec. 4.
- Trailer and boat, Combined. J. H. Tewes. 1,658,500; Feb. 7.
- Trailer, Auto camp. E. R. Gilkison. 1,696,113; Dec. 18.
- Trailer for self-propelled vehicles. G. T. Ronk. 1,693,869; Dec. 4.
- Trailer guide. O. Brekke. 1,669,452; May 15.
- Trailer hitch. T. W. Austin and M. F. Swindle. 1,692,071; Nov. 20.
- Trailer hitch. E. B. Staley. 1,690,558; Nov. 6.
- Trailer, Industrial. C. G. Clement. 1,677,618; July 17.

- Trailer leg, Hydraulic-controlled. C. H. Land. 1,695,497; Dec. 18.
- Trailer lock. F. M. Reid. Re16,942; Apr. 24.
- Trailer, Self-loading. E. E. Kellems. 1,678,395; July 24.
- Trailer, Tractor. P. E. Hanson. 1,675,267; June 26.
- Trailers, Coupler for. J. B. R. Karlsson. 1,658,203; Feb. 7.
- Train-announcing system. A. J. Eaves. 1,658,232; Feb. 7.
- Train, Coaster. H. G. Traver. 1,654,670; Jan. 3.
- Train control. C. S. Bushnell. 1,689,229; Oct. 30.
- Train control. C. S. Bushnell. 1,691,006; Nov. 6.
- Train control. W. K. Howe. 1,678,614; July 24.
- Train control. W. K. Howe. 1,691,009; Nov. 6.
- Train control. W. K. Howe and C. S. Bushnell. 1,678,615; July 24.
- Train control. H. P. Ober. 1,681,903; Aug. 21.
- Train control. W. W. Wenholz. 1,681,892; Aug. 21.
- Train control. W. W. Wenholz. 1,692,361; Nov. 20.
- Train control and cab signaling, Automatic. H. M. Ryder. 1,686,036; Oct. 2.
- Train-control apparatus. T. E. and J. E. Clark. 1,685,479; Sept. 25.
- Train-control apparatus. P. J. Clifford. 1,695,880; Dec. 18.
- Train-control apparatus. P. J. Clifford. 1,696,382; Dec. 25.
- Train-control apparatus, Automatic. P. J. Clifford. 1,670,609; May 22.
- Train-control apparatus, Automatic. P. J. Clifford. 1,675,252-4; June 26.
- Train-control apparatus, Automatic. P. J. Clifford. 1,680,665; Aug. 14.
- Train-control apparatus, Automatic. A. Langdon. 1,680,999; Aug. 14.
- Train-control apparatus, System of eliminating automatic. P. J. Clifford. 1,696,383; Dec. 25.
- Train control, Automatic. D. Meara. 1,689,738; Oct. 30.
- Train control, Automatic. O. A. Ross. 1,681,013; Aug. 14.
- Train control, Automatic. D. H. Schweyer. 1,691,499; Nov. 13.
- Train control, Automatic. M. Sworaski. 1,664,868; Apr. 3.
- Train-control device. E. S. Cook. 1,674,761; June 26.
- Train-control device. C. A. Nelson. 1,693,656; Dec. 4.
- Train control, Electric. H. Lund and H. Laub. 1,669,377; May 8.
- Train control, Intermittent inductive. C. S. Bushnell. 1,686,434; Oct. 2.
- Train-control relay. R. C. Leake. 1,696,169; Dec. 18.
- Train-control-restoring apparatus. H. S. Folker. 1,690,816; Nov. 6.
- Train-control system. T. Bodde. 1,659,188; Feb. 14.
- Train-control system. T. E. and J. E. Clark, and W. L. Coop. 1,694,373; Dec. 11.
- Train-control system. C. A. Lyon. 1,666,260; Apr. 17.
- Train-control system. F. M. Rosenzweig. 1,682,422; Aug. 28.
- Train-control system, Automatic. C. S. Bushnell. 1,689,228; Oct. 30.
- Train-control system, Automatic. C. E. Estwick. 1,692,370; Nov. 20.
- Train-control system, Automatic. W. K. Howe. 1,682,518; Aug. 28.
- Train-control system, Automatic. E. C. Sasnett. 1,690,459; Nov. 6.
- Train-control system, Automatic. E. C. Sasnett. 1,690,505; Nov. 6.
- Train-control system, Automatic. F. J. Sprague. 1,669,265; May 8.
- Train-control system, Automatic. B. F. Wooding. 1,679,390; Aug. 7.
- Train-control system, Continuous inductive. E. H. Loftin. 1,660,133; Feb. 21.
- Train-control system for railroads, Continuous inductive. E. H. Loftin. 1,678,617; July 24.
- Train-control system or the like, Automatic. O. A. Ross. 1,678,577; July 24.
- Train-control system or the like, Automatic. O. A. Ross. 1,689,253; Oct. 30.
- Train-control systems, Safety circuit for. J. E. Clark. 1,655,181; Jan. 3.
- Train-control systems, Train-carried receiver for automatic. C. H. Zierdt. 1,655,005-6; Jan. 3.
- Train-controlling apparatus. D. H. Schweyer. 1,695,931; Dec. 18.
- Train-controlling apparatus, Automatic. G. W. Edwards. 1,673,501; June 12.
- Train-controlling means by light rays. W. Bäseler. 1,695,410; Dec. 18.
- Train-dispatching apparatus. R. L. Page. 1,680,692; Aug. 14.
- Train-indication system. G. C. Whitney. 1,693,739; Dec. 4.
- Train-line coupler. H. E. Van Dorn. 1,667,297; Apr. 24.
- Train-pipe connector, Automatic. E. A. Robinson. 1,660,766; Feb. 28.
- Train-pipe connector, Automatic. J. Robinson. 1,656,020; Jan. 10.
- Train-pipe connector, Automatic. J. Robinson. 1,674,521; June 19.
- Train-pipe connector, Automatic. J. Robinson. 1,677,902; July 24.
- Train-pipe connector, Automatic. J. V. Robinson. 1,670,987; May 22.
- Train-pipe-connector head, Automatic. J. Robinson. 1,684,376; Sept. 11.
- Train-pipe coupling, Automatic. J. Robinson. 1,682,854; Sept. 4.
- Train retarder. J. E. Finnessy. 1,682,746; Sept. 4.
- Train safety device, Duplex. C. Pifer. 1,670,003; May 15.
- Train-signal system. E. C. Stafford. 1,662,988; Mar. 20.
- Train-signal systems, Signal box for. E. C. Stafford. 1,658,105; Feb. 7.
- Train stop, Automatic. C. C. Farmer. 1,685,840; Oct. 2.
- Train-stop mechanism from track signaling systems, Controlling automatic. P. J. Clifford, J. H. Gibbs, and H. P. Lynch. 1,675,250; June 26.
- Train-stopping apparatus, Automatic. D. M. Daley. 1,667,457; Apr. 24.
- Tramway lines, Laying. A. Bouillon. 1,678,552; July 24.
- Transfer. H. S. Sadtler. 1,660,495; Feb. 28.
- Transfer apparatus, Strip-. H. G. McIlvried. 1,679,436; Aug. 7.
- Transfer device for glassware. G. E. Rowe. 1,691,497; Nov. 13.
- Transfer-tiler hanger. R. H. Dodd. 1,676,581; July 10.
- Transfer mechanism. W. O. Hall. 1,675,346; July 3.
- Transfer mechanism, Envelope-. A. Novick. 1,656,289; Jan. 17.
- Transfer mechanism for duplex adding machines, cash registers, etc. E. Kassner. 1,676,560; July 10.
- Transfer mechanism for sugar canes. H. O. Scranton. 1,677,601; July 17.
- Transfer mechanism for upsetting machines. C. O. Petitjean. 1,693,664; Dec. 4.
- Transfer mechanism, Odometer. C. B. Dinsmore. 1,692,489; Nov. 20.
- Transfer media. W. F. Grupe. 1,667,689; Apr. 24.
- Transfer system for heavy metal plates. C. L. Huston. 1,665,209; Apr. 10.
- Transfer mechanism, Revoking means for regularly-actuated. O. V. Payne. 1,663,919; Mar. 27.
- Transferring apparatus and making same. G. Von Webern. 1,666,920; Apr. 24.
- Transferring carded material, Method of and apparatus for. J. F. Schimek. 1,684,890; Sept. 18.
- Transferring heat, Process of and apparatus for. R. C. Newhouse. 1,689,927; Oct. 30.
- Transformer. M. Alden. 1,690,154; Nov. 6.
- Transformer. H. D. Currier. 1,669,929; May 15.
- Transformer. D. W. Davis. 1,673,062; June 12.
- Transformer. J. Desloge. 1,666,889; Apr. 24.
- Transformer. F. de Willy. 1,687,973; Oct. 16.
- Transformer. G. W. Elmen. 1,681,573; Aug. 21.
- Transformer. W. J. Finnen. 1,695,889; Dec. 18.
- Transformer. A. B. Hendricks, jr. 1,677,084; July 10.
- Transformer. H. H. Ide. 1,655,187; Jan. 3.
- Transformer. S. E. Johannesen. 1,659,548; Feb. 14.
- Transformer. F. J. and W. L. Kaehni. 1,683,389; Sept. 4.
- Transformer. V. M. Montsinger. 1,677,681; July 17.
- Transformer. R. L. Osborne. 1,689,929; Oct. 30.
- Transformer. W. E. Paul. 1,688,748; Oct. 23.
- Transformer. W. J. Polydoroff. 1,691,125; Nov. 13.
- Transformer. J. L. Schermerhorn. Re16,854; Jan. 17.
- Transformer, Acoustic. P. A. Robbins. 1,672,472; June 5.
- Transformer, Adjustable-core. O. E. Marvel. 1,656,381; Jan. 17.
- Transformer and circuit. L. J. Buttolph. 1,676,768; July 10.
- Transformer and conduit-box cover, Combined. A. E. Rittenhouse. Re17,171; Dec. 25.
- Transformer and conduit-box cover, Combined. A. E. Rittenhouse. 1,661,268; Mar. 6.
- Transformer and inductance. A. D. Cardwell. 1,691,699; Nov. 13.
- Transformer, Capacitance. E. D. Eby. 1,657,249; Jan. 24.
- Transformer, Constant-current. T. G. Whyte. 1,672,669; June 5.
- Transformer construction, Electrical. J. Fischer. 1,668,110; May 1.
- Transformer, Electric. W. S. Werner. 1,677,537; July 17.
- Transformer, Electrical. A. G. Ellis. 1,685,946; Oct. 2.
- Transformer, Electrical. C. F. Phillips. 1,695,122; Dec. 11.
- Transformer for electric-arc cutting, repairing, and welding apparatus. F. C. Owen. 1,677,003; July 10.
- Transformer for electric-arc cutting, repairing, and welding apparatus. F. C. Owen. 1,679,263; July 31.
- Transformer for vacuum-tube amplifiers, Intertube. M. C. Batsel. 1,664,239; Mar. 27.
- Transformer, High-frequency. R. A. Heising. 1,690,228; Nov. 6.
- Transformer mounting, Instrument-. J. Sessinghaus. 1,695,864; Dec. 18.
- Transformer, Rectifying. C. Fayer and F. H. Wappler. 1,682,748; Sept. 4.
- Transformer, Spark-plug. A. S. Simsack. 1,691,996; Nov. 20.
- Transformer, Subway. S. Horelick. 1,655,837; Jan. 10.
- Transformer switching system. A. J. A. Peterson. 1,689,840; Oct. 30.
- Transformer, Thermoelectric. J. H. Steurer. 1,666,919; Apr. 24.

- Transformer, Tuned. G. H. Cooper. 1,664,541; Apr. 3.
Transformer, Variable-coupling. F. A. Kolster. 1,683,081; Sept. 4.
Transformer, Variable-ratio. F. F. Brand. 1,658,664; Feb. 7.
Transformers and the like, Casing for electric. O. Wehrle. 1,678,090; July 24.
Transformers and transmission lines, Hoistable combined disconnecting switch and fuse for outdoor. E. Johnson. 1,670,662; May 22.
Transformers, Electrical protection of. G. L. Porter. 1,670,985; May 22.
Transformers, Terminal block for current. E. J. Zelt. 1,667,617; Apr. 24.
Transilluminator, Fused-quartz. C. H. Kerr. 1,662,150; Mar. 13.
Translating apparatus, Electrical. F. N. Waterman. 1,665,571; Apr. 10.
Translating circuit. J. R. Carson. 1,672,056; June 5.
Translating circuit, Frequency-. E. Peterson. 1,687,225; Oct. 9.
Translating device. J. B. Speed. 1,687,231; Oct. 9.
Translating device. E. C. Wente. 1,686,355; Oct. 2.
Translating device, Acoustic. G. B. Crouse. 1,656,172; Jan. 17.
Translating device, Electromagnetic. L. Shapiro. 1,666,183; Apr. 17.
Translating device, Wireless. W. M. Bruce, jr. 1,668,998; May 8.
Translating devices, Socket and base for. H. Shoemaker. 1,654,668; Jan. 3.
Translating diaphragm and mounting same, Wave-energy-. H. C. Harrison. 1,675,853; July 3.
Translating system. H. S. Black. 1,686,792; Oct. 9.
Translation system, Electric-wave. A. A. Oswald. 1,673,160; July 24.
Translation system, Selective. J. P. Schafer. 1,696,212; Dec. 25.
Transmission. Z. Alexander. 1,679,287; July 31.
Transmission. J. J. Cole. 1,690,968; Nov. 6.
Transmission. G. B. Coleman. 1,670,438; May 22.
Transmission. A. Y. Dodge. 1,655,523; Sept. 25.
Transmission. W. H. Douglas. 1,654,924; Jan. 3.
Transmission. T. L. Fawick. 1,655,497; Jan. 10.
Transmission. T. L. Fawick. 1,675,538; July 3.
Transmission. H. Ford. 1,657,858; Jan. 31.
Transmission. S. C. Igou. 1,679,036; July 31.
Transmission. W. I. Kaser. 1,666,781; Apr. 17.
Transmission. K. E. Lyman. 1,668,163; May 1.
Transmission. J. O. Michaud. 1,673,523; June 12.
Transmission. W. C. Miles. 1,690,086; Oct. 30.
Transmission. L. E. Scaggs. 1,665,984; Apr. 10.
Transmission. R. Schoell. 1,678,486; July 24.
Transmission. H. B. Shields. 1,656,397; Jan. 17.
Transmission. L. L. Stewart. 1,680,306; Aug. 14.
Transmission. A. Taub. 1,682,441; Aug. 28.
Transmission. P. L. Tenney. 1,682,999; Sept. 4.
Transmission. W. E. Trumpler. 1,684,162; Sept. 11.
Transmission. C. W. Weiss. 1,655,079; Jan. 3.
Transmission. C. W. Weiss. 1,693,213; Nov. 27.
Transmission and brake controlling mechanisms, Combined. F. R. Lanzillotta, and C. Moccia. 1,673,688; June 12.
Transmission and control device and the like, Vehicle. T. A. Banning, jr. 1,657,603; Jan. 31.
Transmission and follow-up system for gyrocompasses. T. A. Morgan and H. H. Thompson. 1,695,774; Dec. 18.
Transmission and reception, High-frequency. R. A. Heising. 1,673,006; June 12.
Transmission and tracker mechanism unit. G. P. Brand. 1,686,225; Oct. 2.
Transmission and transformation, System of electrical. P. H. Thomas. 1,667,087; Apr. 24.
Transmission attachment. C. Christianson. 1,669,738; May 15.
Transmission, Auxiliary. F. P. Ferris. 1,661,469; Mar. 6.
Transmission, Auxiliary. H. Ford. 1,674,006; June 19.
Transmission, Auxiliary. S. O. White. 1,676,758; July 10.
Transmission bands, Method of and apparatus for reducing width of. N. R. French and M. K. Zinn. 1,671,151; May 29.
Transmission belt. H. Perpall. 1,661,300; Mar. 6.
Transmission by modulated waves. R. A. Heising. 1,690,227; Nov. 6.
Transmission, Carrier-wave. J. S. Jammer. 1,675,893; July 3.
Transmission chain. R. S. Cattanach. 1,669,654; May 15.
Transmission, Change-speed. G. C. Smith. 1,657,871; Jan. 31.
Transmission circuit. R. V. L. Hartley. 1,666,738; Apr. 17.
Transmission circuits. J. F. Farrington. 1,654,927; Jan. 3.
Transmission clutch. E. W. Jackson. 1,667,260; Apr. 24.
Transmission-clutch-drum lugs, Shoe for. J. W. Richards, jr. 1,683,806; Sept. 11.
Transmission control. F. G. Gardner. 1,681,532; Aug. 21.
Transmission control, Hydraulic. W. H. and W. E. Bice. 1,673,487; June 12.
Transmission-control system. K. O. Thorp. 1,678,128; July 24.
Transmission, Controller for variable-speed. H. C. Clay. 1,662,660; Mar. 13.
Transmission device. C. T. Allcutt. 1,693,426; Nov. 27.
Transmission device. V. Dahl. 1,658,326; Feb. 7.
Transmission device for marine motors. W. C. Esleck. 1,684,952; Sept. 18.
Transmission, Differential release. H. A. Lewis. 1,684,233; Sept. 11.
Transmission, Electric. J. A. Heany. 1,676,028; July 3.
Transmission, Electric-current. A. M. Curtis. 1,675,880; July 3.
Transmission, Electric-current. R. C. Mathes. 1,693,955; Dec. 4.
Transmission, Electric-current. R. C. Mathes. 1,695,813; Dec. 18.
Transmission, Electric wave. R. C. Mathes. 1,678,188; July 24.
Transmission for automobiles. A. R. Bowman. 1,657,991; Jan. 31.
Transmission for radial drill arms, elevating mechanism, and drill spindles. J. C. Carlton. 1,684,344; Sept. 11.
Transmission for rotary engines. F. A. Bullington. 1,676,211; July 3.
Transmission for shafts. G. A. Burrow. 1,664,349; Mar. 27.
Transmission for train-control systems, Governor. H. B. Taylor. 1,691,000; Nov. 6.
Transmission for vehicle wheels, Resilient. E. A. Corbin, jr. 1,687,237; Oct. 9.
Transmission, Four-speed. W. W. Wells. 1,692,193; Nov. 20.
Transmission, Friction. R. Chilton. 1,691,625; Nov. 13.
Transmission, Friction-clutch. P. A. Orton. 1,688,129; Oct. 16.
Transmission, Gear. C. R. Nichols. 1,685,461; Sept. 25.
Transmission gearing. J. F. Gaylor. 1,668,363; May 1.
Transmission, High-frequency. J. C. Gabriel. 1,675,890; July 3.
Transmission, Hydraulic. R. Lee. 1,695,289; Dec. 18.
Transmission-line control system. R. K. Potter. 1,658,856; Feb. 14.
Transmission-line device. C. Le G. Fortescue. 1,695,892; Dec. 18.
Transmission-line device. F. H. Miller. 1,690,200; Nov. 6.
Transmission-line device. R. M. Stumm. 1,690,184; Nov. 6.
Transmission-line device. N. J. A. Wahlberg. 1,690,185; Nov. 6.
Transmission lines, Distortion correction for. H. Nyquist. 1,681,252; Aug. 21.
Transmission lines, Pole top fixture for. W. G. Milne. 1,677,456; July 17.
Transmission lock. H. E. Blood. 1,669,924; May 15.
Transmission lock. H. F. George. 1,673,908; June 19.
Transmission lock. W. M. Reason. 1,657,517; Jan. 31.
Transmission lock. P. L. Tenney. 1,668,520; May 1.
Transmission means. H. J. Jones. 1,677,094; July 10.
Transmission mechanism. R. E. Bissell. 1,689,193; Oct. 30.
Transmission mechanism. G. C. Carhart. 1,672,368; June 5.
Transmission mechanism. F. Dohle. 1,662,566; Mar. 13.
Transmission mechanism. K. R. Harmon. 1,663,888; Mar. 27.
Transmission mechanism. D. Jewell. 1,679,974; Aug. 7.
Transmission mechanism. J. Newmann. 1,676,345; July 10.
Transmission mechanism. J. Newmann. 1,693,154; Nov. 27.
Transmission mechanism. H. A. Schultze. 1,663,026; Mar. 20.
Transmission mechanism. C. F. Staples. 1,664,575; Apr. 3.
Transmission mechanism. K. J. Strigl. 1,666,152; Apr. 17.
Transmission mechanism. W. W. Wells. 1,664,870; Apr. 3.
Transmission mechanism. W. I. Wheeler. 1,695,356; Dec. 18.
Transmission mechanism, Automobile. W. C. Smith. 1,658,021; Jan. 31.
Transmission mechanism, Change-speed. J. L. Peterson. 1,692,859; Nov. 27.
Transmission mechanism, Engine. S. Masel. 1,679,580; Aug. 7.
Transmission mechanism for the driving wheels of motor vehicles, Power-. A. Abramson. 1,678,757; July 31.
Transmission mechanism, Gear-shifting and. F. C. Spahn. 1,672,698; June 5.
Transmission mechanism, Hydraulic. M. A. Knapp. 1,665,743; Apr. 10.
Transmission mechanism, Motor-vehicle. E. C. Washburn. 1,655,073; Jan. 3.
Transmission mechanism, Planetary. J. A. Gilman. 1,686,446; Oct. 2.
Transmission mechanism, Variable-speed. S. M. Dick. 1,663,158; Mar. 20.
Transmission mechanisms, Ball-race housing means for differential. W. L. and L. B. Brackenbury. 1,668,352; May 1.
Transmission of graphic representation, Electric. C. F. Jenkins. 1,659,200; Feb. 14.
Transmission of mechanical vibratory energy, Device for the. H. C. Harrison. 1,678,116; July 24.
Transmission of pictures. E. F. W. Alexanderson. 1,694,302; Dec. 4.
Transmission of pictures and views. C. A. Sabbah. 1,694,982; Dec. 11.

- Transmission of pictures, Apparatus and method for electrical. D. E. Branson. 1,687,489; Oct. 16.
- Transmission of pictures by electricity. J. W. Horton. 1,690,300; Nov. 6.
- Transmission of pictures by electricity. H. E. Ives. 1,683,976; Sept. 11.
- Transmission of pictures by electricity. H. E. Ives. 1,688,081; Oct. 16.
- Transmission of pictures, Electrical. E. F. W. Alexander-son. 1,694,301; Dec. 4.
- Transmission of pictures, Method and apparatus for. A. Weaver. 1,693,685; Dec. 4.
- Transmission of power to vehicles. A. U. Avera. 1,693,914; Dec. 4.
- Transmission of signals along lines for power distribution, System for electric. J. Bethenod. 1,676,680; July 10.
- Transmission of signals, System for binaural. H. A. Affel. 1,666,158; Apr. 17.
- Transmission of visual images, Apparatus for the electrical. P. L. Clark. 1,666,594; Apr. 17.
- Transmission-operating device. P. W. Neff. 1,687,139; Oct. 9.
- Transmission over electric circuits, Regulating the. H. Nyquist. 1,661,263-4; Mar. 6.
- Transmission over power circuits, Carrier. R. K. Honaman. 1,672,940; June 12.
- Transmission regulation. H. T. Friis. 1,675,848; July 3.
- Transmission, Reversible tractor. B. T. Insley. 1,695,849; Dec. 18.
- Transmission speedometer drive, Ford. H. Tittensor. 1,675,625; July 3.
- Transmission stand. H. J. Wright and G. Shirk. 1,667,616; Apr. 24.
- Transmission system. E. V. Griggs. 1,685,357; Sept. 25.
- Transmission system. R. A. Heising. 1,655,543; Jan. 10.
- Transmission system. H. W. O'Neill. 1,687,883; Oct. 16.
- Transmission system. S. B. Williams. 1,696,261; Dec. 25.
- Transmission system, Alternating-current. M. W. Smith. 1,685,963; Oct. 2.
- Transmission system, Duplex. J. F. Farrington. 1,660,072; Feb. 21.
- Transmission system, Electrical. J. C. Needham. 1,665,857; Apr. 10.
- Transmission system for apartment houses, Program. J. F. Toomey. 1,676,301; July 10.
- Transmission system for automotive vehicles. H. C. Drake and E. A. Sperry. 1,688,691; Oct. 23.
- Transmission system, Hydraulic. A. F. Schwendner and J. S. Myers. 1,684,075; Sept. 11.
- Transmission system, Picture. T. T. Baker. 1,692,232; Nov. 20.
- Transmission system, Radiant-energy. L. M. Clement. 1,688,036; Oct. 16.
- Transmission system, Wave-. E. W. Gent. 1,690,224; Nov. 6.
- Transmission systems, Eliminating cross talk in phantomed. H. Karsten, and K. Küpfmüller. 1,678,048; June 12.
- Transmission systems, Level control for carrier. H. A. Affel. 1,673,792; June 19.
- Transmission tower. H. O. Hill. 1,696,569; Dec. 25.
- Transmission unit. T. L. Fawick. 1,657,008; Jan. 24.
- Transmission, Variable-speed. F. L. Orr. 1,667,166; Apr. 24.
- Transmission, Variable-speed. R. H. Pratt. 1,662,164; Mar. 13.
- Transmitter and receiver, Data. H. K. Rutherford. 1,664,948; Apr. 3.
- Transmitter, Distortionsless dynamic. P. Thomas. 1,680,399; Aug. 14.
- Transmitter, Electric power. J. M. Naul. 1,663,607; Mar. 27.
- Transmitter for high-frequency sound signaling. M. S. Estes. 1,678,182; July 24.
- Transmitter, Gyrocompass. C. B. Mills. 1,690,545; Nov. 6.
- Transmitter mounting. G. R. Lum. Des. 76,622; Oct. 16.
- Transmitter mouthpiece. H. F. Dodge. 1,664,852; Apr. 3.
- Transmitter, Shielded. A. Nyman. 1,682,409; Aug. 28.
- Transmitter, Telegraph. L. M. Potts. 1,675,823; July 3.
- Transmitting code-impulse combinations, Apparatus for. H. A. Wallace. 1,672,440; June 5.
- Transmitting device, Impulse. J. H. Homrighous. 1,677,091; July 10.
- Transmitting device, Yielding motion-. J. B. West. 1,672,400; June 5.
- Transmitting energy, System for. J. H. Hammond, jr. 1,677,121; July 10.
- Transmitting mechanism, Motion-. G. C. Carhart. 1,696,623; Dec. 25.
- Transmitting movement, Mechanism for. G. W. Sinclair. 1,694,834; Dec. 11.
- Transmitting radiant energy, Method of and multiplex selective system for. J. H. Hammond, jr. 1,673,562; June 12.
- Transmitting signals indicating results of observation, Apparatus for electrically. H. Karabetz. 1,691,813; Nov. 13.
- Transmitting signs, Apparatus for. K. E. Wenzel. 1,690,915; Nov. 6.
- Transom adjuster. W. E. Putnam. 1,663,175; Mar. 20.
- Transom-operating means. H. B. Stein. 1,689,307; Oct. 30.
- Transom-operating mechanism. T. E. King. 1,692,843; Nov. 27.
- Transparent make-up plate for use in producing page stereotype. R. V. Graves. 1,691,281; Nov. 13.
- Transparent sheet and making the same, Reinforced. M. T. Brush. 1,686,649; Oct. 9.
- Transparent substances from nonmetallic and nontransparent materials, Manufacturing. F. Skaupy, H. Hoffmann, and H. Schmidt. 1,658,659; Feb. 7.
- Transplanting machine, particularly for rice plants and the like. O. Cerati. 1,654,861; Jan. 3.
- Transportation means, Freight-. W. P. Kellett. 1,675,562; July 3.
- Transportation system. H. W. Kirchner. 1,663,375; Mar. 20.
- Transportation system. H. J. Liebl. 1,664,517; Apr. 3.
- Transportation system. H. E. Taylor. 1,665,483; Apr. 10.
- Transportation system, High-speed. W. E. Robertson. 1,685,035; Sept. 18.
- Transporter. H. O. Nelson. 1,690,454; Nov. 6.
- Transporting and lowering burial apparatus, Combined. H. A. Ledyard and J. J. Jelley. 1,675,362; July 3.
- Transporting device for keyed instruments. J. Zumbühl. 1,666,025; Apr. 10.
- Transporting fragile articles, Safety device for. W. J. Hoy. 1,689,588; Oct. 30.
- Transporting goods. H. A. Otis. 1,675,512; July 3.
- Transporting logs, Method of and apparatus for. G. E. Spain. 1,694,931; Dec. 11.
- Transporting mechanism for pipe-annealing furnaces. J. H. Uhrig. 1,695,515; Dec. 18.
- Transporting mixed materials. K. R. Schuster. 1,684,370; Sept. 11.
- Trap: See—
- Animal trap.
 - Antisiphon trap.
 - Beetle trap.
 - Bird trap.
 - Bobbin-stripper trap.
 - Condensation trap.
 - Crab trap.
 - Cutting trap.
 - Exhaust trap.
 - Fluid and gas trap.
 - Flytrap.
 - Game trap.
 - Gas trap.
 - Gas and oil trap.
 - Gold or mineral trap.
 - Grease trap.
 - Insect trap.
 - Mosquito and insect trap.
 - Moth trap.
 - Mouse and rat trap.
 - Radiator return trap.
 - Rat trap.
 - Rat or mouse trap.
 - Refrigerator drain trap.
 - Roach trap.
 - Robber trap.
 - Sand trap.
 - Scum trap.
 - Sluice-box trap.
 - Steam trap.
 - Thermostatic trap.
 - Waste trap.
- Trap. A. J. Brown. 1,668,937; May 8.
- Trap. B. O. Dahl. 1,676,427; July 10.
- Trap. G. D. Earwood. 1,655,361; Jan. 3.
- Trap. H. E. Heine. 1,676,029; July 3.
- Trap. A. J. Hentschel. 1,668,367; May 1.
- Trap. T. Horikoshi. 1,682,226; Aug. 28.
- Trap. J. M. Le Grand. 1,669,417; May 15.
- Trap. P. R. Pine. 1,657,482; Jan. 31.
- Trap. W. E. Rawlings. 1,667,048; Apr. 24.
- Trap. W. O. Roberts. 1,657,644; Jan. 31.
- Trap. S. S. Sadosky. 1,662,476; Mar. 13.
- Trap. E. P. Seghers. 1,678,168; July 24.
- Trap. G. L. Wingfield. 1,687,963; Oct. 16.
- Trap coupling. P. Mueller, A. C. Schuermann, and C. W. Lucas. 1,674,562; June 19.
- Trap doors, Holding means for car-vestibule. A. A. Constantine. 1,685,124; Sept. 25.
- Trap for drains and sewers. J. Lyes. 1,686,415; Oct. 2.
- Trap for gas wells, Water. E. L. Poston. 1,680,255; Aug. 7.
- Trap for pipe lines, Air. I. L. Capers. 1,689,477; Oct. 30.
- Trap for sinks and the like, Cleanable. H. A. W. Howcott. 1,681,117; Aug. 14.
- Trap nest. H. L. Bolinger. 1,688,779; Oct. 23.
- Trap nest. I. Putnam. 1,674,700; June 26.
- Trap nest. F. Strickland. 1,683,423; Sept. 4.
- Traps, Drowning ring for animal. G. C. Rupert. 1,667,566; Apr. 24.
- Traps, Nonreturn link for animal. A. J. Murray. 1,660,719; Feb. 28.
- Traps, Striker attachment for animal. A. N. Armstrong. Rel7,174; Dec. 25.
- Trash cleaner. C. H. White. 1,680,031; Aug. 7.
- Traveling bag. L. Baetz. 76,279; Sept. 11.
- Traveling case. A. Goldstein. 1,692,115; Nov. 20.
- Tray. J. L. Balch. 1,683,944; Sept. 11.
- Tray. R. Beardsley. Des. 75,146; May 15.
- Tray. B. J. Carroll. 1,660,743; Feb. 28.
- Tray. S. Forman. Des. 76,744; Oct. 30.
- Tray. P. A. Gollnick. 1,666,172; Apr. 17.
- Tray, Advertising change. B. C. Nystrom. Des. 75,282; May 22.
- Tray and card holder, Ledger. F. J. Margeson. 1,655,839; Jan. 10.
- Tray and making same. A. Barchoff. 1,685,116; Sept. 25.
- Tray and receiver and support therefor. Ash. S. D. Locke. 1,673,083; June 12.
- Tray, Ash. W. H. Berssenbrugge. 1,678,375; July 24.
- Tray, Ash. R. L. Hubbard. 76,302; Sept. 11.
- Tray, Ash. H. W. Parker. 76,320; Sept. 11.
- Tray, Ash. B. L. Reece. 1,655,293; Jan. 3.

- Tray cleaner, Fruit-. J. W. Robinson. 1,676,801; July 10.
- Tray, Combination dental. V. M. Gregg. 1,672,523; June 5.
- Tray cover or the like, Lace. S. N. Mallouk. Des. 74,616; Mar. 6.
- Tray, Dental impression. E. R. Smith. 1,691,676; Nov. 13.
- Tray, Desk. P. M. Wege. 1,689,372; Oct. 30.
- Tray, Display. F. M. Simons. 1,678,449; July 24.
- Tray, Egg. C. T. Patterson and H. W. Young. 1,672,774; June 5.
- Tray, Egg-turning. M. C. Byrne. 1,682,321; Aug. 28.
- Tray, Filing. N. S. Welk. 1,673,725; June 12.
- Tray, Flash change. S. Fisher. 1,665,132; Apr. 3.
- Tray, Food. L. A. Deicken. 1,677,276; July 17.
- Tray for bread-cooling machines. C. A. Adams. 1,680,441; Aug. 14.
- Tray for child's chair, Adjustable. H. W. Martin. 1,675,985; July 3.
- Tray for condiment sets. W. C. McCartney. Des. 75,273; May 22.
- Tray for egg crates, Collapsible. N. Isoyama. 1,666,333; Apr. 17.
- Tray for electrical refrigeration, Ice. J. Jacques and A. R. Cosgrove. 1,691,481; Nov. 13.
- Tray, Ice. A. Hansson. 1,665,456; Apr. 10.
- Tray, Impression. R. R. Jones. 1,666,097; Apr. 17.
- Tray or similar article. L. A. Danco. Des. 76,735; Oct. 30.
- Tray or similar article. T. A. De Vilbiss. Des. 77,298-304; Dec. 25.
- Tray or similar article. W. C. McCartney. Des. 75,380; May 29.
- Tray or similar article. L. W. Rice. Des. 75,872; July 24.
- Tray or similar article, Sandwich. R. E. McElDowney. Des. 74,940; Apr. 17.
- Tray or similar article, Sandwich. R. E. McElDowney. Des. 76,698; Oct. 23.
- Tray or the like. F. A. Purchas. 1,666,668; Apr. 17.
- Tray or till. C. S. Thompson. 1,656,685; Jan. 17.
- Tray, Pass. J. Platt. 1,673,882; June 19.
- Tray, Pedestal ash. W. J. Barr. Des. 75,542; June 19.
- Tray, Record. C. B. Harrison. 1,666,700; Apr. 17.
- Tray, Sectional impression. D. Baratt. 1,665,293; Apr. 10.
- Tray, Service. S. W. James. Des. 76,482; Oct. 2.
- Tray, Serving. L. Levien. 1,681,589; Aug. 21.
- Tray, Serving. C. W. Meinecke. 1,655,735; Jan. 10.
- Tray, Serving. G. M. Minton, jr. 1,669,065; May 8.
- Tray, Serving. W. F. Wissman. 1,659,344; Feb. 14.
- Tray, Smoker's. L. Del Faro and A. Landmesser. Des. 74,298; Jan. 24.
- Tray, Smoker's. G. E. and A. B. Schneider. Des. 76,261; Sept. 4.
- Tray, Soap. J. G. Strock. 1,660,729; Feb. 28.
- Tray, Spoon. A. R. Chisholm. 1,661,787; Mar. 6.
- Tray-stacking machine. L. P. Eaton. 1,689,332; Oct. 30.
- Tray support, Adjustable. M. S. Bright. 1,666,084; Apr. 17.
- Tray, toothpick receptacle, and match-box holder, Combination coin. C. C. Coveny and Y. Le M. Pearson. Des. 75,356; May 29.
- Tray, Traveling conveyer. E. Hanak. 1,684,092; Sept. 11.
- Tray, Vanity. L. Levien. 1,685,237; Sept. 25.
- Tray, Wash. W. U. Griffiths. 1,654,542; Jan. 3.
- Tread-applying device. E. F. Maas. 1,669,620; May 15.
- Tread carrier. H. Nagin. 1,666,341; Apr. 17.
- Tread, Compound rubber. L. C. Bateman. 1,677,013; July 10.
- Tread, Detachable antiskid. O. Weberg. 1,686,052; Oct. 2.
- Tread material and making the same. J. E. Grosjean. 1,687,441; Oct. 9.
- Tread member, Detachable. B. Rubin. 1,696,058; Dec. 18.
- Tread member for boots and shoes. C. Roberts. 1,657,686; Jan. 31.
- Tread, Metallic nonskid. G. W. Brooks. 1,674,712; June 26.
- Tread, Nonslip. J. W. Scott. 1,675,198; June 26.
- Tread propelling mechanism. Endless. P. Burke. 1,654,632; Jan. 3.
- Tread-removing machine. H. D. Stevens. 1,665,193; Apr. 3.
- Tread, Safety. D. S. Connelly. 1,670,798; May 22.
- Treating air bags. S. S. Kurtz, jr. 1,694,879; Dec. 11.
- Treating and forming artificial fuel. H. E. Wetherbee. 1,687,815; Oct. 16.
- Treating and forming artificial fuels. H. E. Wetherbee. 1,683,061; Sept. 4.
- Treating and fractionation cracking-plant vapors. E. H. Leslie and E. M. Baker. 1,684,771; Sept. 18.
- Treating and utilizing the black liquor obtained in the manufacture of soda and sulphate cellulose. E. Haglund. 1,680,540; Aug. 14.
- Treating and washing pulp. Chemically. G. A. Richter and M. O. Schur. 1,683,262; Sept. 4.
- Treating and wetting out fibrous material. R. H. Pott. 1,686,836; Oct. 9.
- Treating apparatus. F. M. Furber. 1,678,773; July 31.
- Treating apparatus, Fluid-. W. A. Pownall. 1,679,373; Aug. 7.
- Treating apparatus for steam-power plants, Exhaust-. A. J. Armson. 1,692,019-20; Nov. 20.
- Treating apparatus, Material-. H. H. C. Grondahl. 1,691,058; Nov. 13.
- Treating aqueous emulsions of tar. B. Johnson. 1,689,728; Oct. 30.
- Treating articles being galvanized. T. A. Dissel. 1,675,926; July 3.
- Treating articles in metallic baths. N. J. Barbier. 1,654,910; Jan. 3.
- Treating artificial fibers. E. K. Gladding. 1,688,702; Oct. 23.
- Treating artificial fuels. H. E. Wetherbee. 1,696,511; Dec. 25.
- Treating artificial silk. H. A. Gardner. 1,692,372; Nov. 20.
- Treating asbestos ore. S. H. Dolbear. 1,684,365; Sept. 11.
- Treating asbestos ores. S. H. Dolbear. 1,684,366; Sept. 11.
- Treating blankets or fabrics, Machine for. J. and E. J. McCreary. 1,679,255; July 31.
- Treating blood-stream infections. L. A. Edblom and E. K. Knott. 1,683,877; Sept. 11.
- Treating bone black or char. W. W. Kemp. 1,692,745; Nov. 20.
- Treating cereals. L. Bartmann. 1,670,016; May 15.
- Treating cloth, fabrics, etc. C. A. Brewer. 1,669,077; May 8.
- Treating coke and products. C. L. Waggoner and F. B. Thacher. 1,685,654; Sept. 25.
- Treating corn-syrup and corn-sugar liquors. C. H. Christman. 1,692,817; Nov. 27.
- Treating cotton. A. Cobb. 1,688,524; Oct. 23.
- Treating crape waste. G. Bonnard. 1,683,520; Sept. 4.
- Treating dried figs and dried prunes. T. W. W. Forrest. 1,683,068; Sept. 4.
- Treating earthy minerals. R. W. Hyde. 1,688,422; Oct. 23.
- Treating emulsified oil, Apparatus for. G. Egloff and H. P. Benner. 1,694,643; Dec. 11.
- Treating emulsions. C. F. Pester. 1,669,379; May 8.
- Treating fabrics. T. A. Bryson and J. J. McKeon. 1,687,122; Oct. 9.
- Treating fibrous material. A. L. Brown. 1,695,912; Dec. 18.
- Treating filaments. Method and apparatus for. G. E. Inman. 1,694,265; Dec. 4.
- Treating films, Apparatus for. W. M. Thomas. 1,682,943; Sept. 4.
- Treating filter liquor. H. Ahlqvist. 1,696,224; Dec. 25.
- Treating fines of earthy minerals. R. W. Hyde. 1,684,958; Sept. 18.
- Treating food products in closed containers, Apparatus for. J. Coyle. 1,681,101; Aug. 14.
- Treating fruit and the like. E. M. Brogden. 1,671,923; May 29.
- Treating fruit. Process of and apparatus for. O. H. Hansen. 1,696,399; Dec. 25.
- Treating garbage and the like. R. P. Kinkel. 1,684,448; Sept. 18.
- Treating gases bearing gaseous synthetic ammonia. W. H. Kniskern. 1,690,585; Nov. 6.
- Treating glass. J. L. Drake. 1,695,538; Dec. 18.
- Treating hats and the like. R. H. Oakes. 1,685,199; Sept. 25.
- Treating hides and skins. Method of and apparatus for. M. M. Merritt. 1,694,447; Dec. 11.
- Treating hydrocarbon oils. C. P. Dubbs. 1,686,654; Oct. 9.
- Treating hydrocarbons. G. Egloff. 1,692,203; Nov. 20.
- Treating hydrocarbons. A. Schwarz. 1,691,085; Nov. 13.
- Treating impure lead. G. E. Dalbey and T. P. Hanford. 1,693,640; Dec. 4.
- Treating impure lead and lead alloys. G. E. Dalbey and T. P. Hanford. 1,693,639; Dec. 4.
- Treating iron ores. T. P. Campbell. 1,696,188; Dec. 25.
- Treating leather. M. Segoria. 1,696,867; Dec. 25.
- Treating liquids. C. Benedicks. 1,691,458; Nov. 13.
- Treating liquids. L. Caldwell. 1,691,266; Nov. 13.
- Treating liquids, Apparatus for. J. Astrom. 1,688,915; Nov. 20.
- Treating liquids, Apparatus for. A. Jensen. 1,692,270; Oct. 23.
- Treating machine, Mattress-filler-. H. R. Swanson and K. M. Van Rensselaer. 1,692,960; Nov. 27.
- Treating material and making same, Liquid-. A. Schreier. 1,685,204; Sept. 25.
- Treating materials, Machine for. W. H. Thompson. 1,692,963-4; Nov. 27.
- Treating metallic particles. G. E. Dalbey and T. P. Hanford. 1,693,642; Dec. 4.
- Treating mixtures containing alkali salts of certain metals. G. E. Dalbey and T. P. Hanford. 1,693,641; Dec. 4.
- Treating molasses. R. L. Corby, F. M. Scales, and W. H. F. Bührig. 1,667,928; May 1.
- Treating molasses. F. Ransohoff. 1,688,831; Oct. 23.
- Treating nut kernels. J. A. Thompson and W. S. Hough. 1,664,334; Mar. 27.
- Treating oil, Apparatus for. R. T. Pollock. 1,683,801; Sept. 11.
- Treating oil shales and other bituminous materials. W. W. Blaisdell. 1,684,007; Sept. 11.
- Treating oils. G. Egloff. 1,683,767; Sept. 11.
- Treating oils. A. Schwerman. 1,692,226; Nov. 20.
- Treating oils, Apparatus for. C. P. Dubbs. 1,690,997; Nov. 6.

- Treating ores with chloride solutions. N. C. Christensen. 1,696,471; Dec. 25.
- Treating pearl chips and product. G. H. Gebhardt. 1,685,451; Sept. 25.
- Treating petroleum oils. W. M. Cross. 1,696,030; Dec. 18.
- Treating petroleum products. E. R. Wiles. 1,684,426; Sept. 18.
- Treating plants. W. Eggert, jr. 1,686,964; Oct. 9.
- Treating polluted acid wastes, Process and apparatus for. J. T. Travers. 1,685,300; Sept. 25.
- Treating residual oils. L. C. Huff. 1,683,826; Sept. 11.
- Treating rods, Device for. C. E. Lehr. 1,696,806; Dec. 25.
- Treating rubber and product. H. E. Cude. 1,680,862; Aug. 14.
- Treating rubber and products obtained thereby. S. M. Cadwell. 1,673,550; June 12.
- Treating rubber-fiber waste material. R. P. Rose. 1,680,915; Aug. 14.
- Treating rubber latex and products obtained thereby. O. H. Smith. 1,678,022; July 24.
- Treating shale and the like, Process of and apparatus for. W. H. Hampton. 1,687,763; Oct. 16.
- Treating shale or the like. H. D. Ryan. 1,672,231; June 5.
- Treating sheet material with heat. L. W. Brunell. 1,665,185; Apr. 3.
- Treating silica articles. E. Herzog. 1,680,681; Aug. 14.
- Treating slack wax. B. L. Souther and W. A. Gruse. 1,685,008; Sept. 18.
- Treating slack wax. B. L. Souther and W. A. Gruse. 1,685,058; Sept. 18.
- Treating soil, Apparatus for. H. J. Bishop. 1,667,923; May 1.
- Treating soils to promote plant growth. C. H. Spencer. 1,677,153; July 17.
- Treating solid materials with liquid reagents. J. E. Egleston. 1,690,363; Nov. 6.
- Treating solid-tire material, Method of and apparatus for. R. S. Burdette. 1,679,560; Aug. 7.
- Treating solutions and products, Method and apparatus for. W. S. Johnston, and A. W. Keen. 1,673,685; June 12.
- Treating soya beans. O. Johnson. 1,680,264; Aug. 7.
- Treating spun yarns in the course of their manufacture. J. J. Boyle. 1,692,717; Nov. 20.
- Treating starch, Method of and apparatus for. H. W. Harrigan. 1,693,649; Dec. 4.
- Treating sucker rods, Heat. J. L. Gray. 1,688,705; Oct. 23.
- Treating sulphur. J. W. Schwab. 1,683,731; Sept. 11.
- Treating sulphur. J. W. Schwab. 1,692,422; Nov. 20.
- Treating the feet, Apparatus for. L. J. Karpf. 1,687,368; Oct. 9.
- Treating the internal and external surfaces of elongated bodies. N. Meuer. 1,687,102; Oct. 9.
- Treating tobacco, Method of and apparatus for. W. Milligan and W. E. Palmer. 1,693,989; Dec. 4.
- Treating trees. J. E. Laffin. 1,682,760; Sept. 4.
- Treating vegetable produce. J. B. Butler and J. J. Drumm. 1,666,551; Apr. 17.
- Treating vulcanizable material, Apparatus for. L. F. Lamplough. 1,689,206; Oct. 30.
- Treating water. J. W. M. Bourgognion and C. L. Philips. 1,683,521; Sept. 4.
- Treating water. A. R. Moberg. 1,679,777; Aug. 7.
- Treating water, Apparatus for. A. J. Dotterweich. 1,676,532; July 10.
- Treating water, Process of and apparatus for. G. Cawley. 1,678,766; July 31.
- Treating wheat, Method of and apparatus for. L. E. Smith. 1,679,099; July 31.
- Treating wood. G. A. Richter, W. B. Van Arsdell, and J. G. Gosselink. 1,680,529; Aug. 14.
- Treating wood with ozone, Apparatus for. G. Lyon. 1,693,486; Nov. 27.
- Treatment of alloy steel. A. C. Davidson. 1,680,937; Aug. 14.
- Treatment of cellulose acetate. G. H. Ellis. 1,694,413; Dec. 11.
- Treatment of crude benzoles, Apparatus for the continuous preliminary. E. A. Barbet. 1,693,774; Dec. 4.
- Treatment of evaporator water. G. W. Smith. 1,686,715; Oct. 9.
- Treatment of fabrics. G. H. Ellis. 1,686,149; Oct. 2.
- Treatment of fatty still residues. W. Savage. 1,669,491; May 15.
- Treatment of ferrous metals to produce a protective coating thereon. F. B. Rinck. 1,690,378; Nov. 6.
- Treatment of hides and skins. H. Dodge. 1,690,969; Nov. 6.
- Treatment of liquids such as milk with rays, more particularly with ultra-violet rays. F. Hoffman. 1,681,538; Aug. 21.
- Treatment of materials, Apparatus for heat. T. S. Curtis. 1,696,794; Dec. 25.
- Treatment of mineral oils. T. G. Delbridge and H. F. Dure. 1,690,772; Nov. 6.
- Treatment of ores. Q. Bent, E. Barnhart, and F. W. Wood. 1,684,006; Sept. 11.
- Treatment of ores of copper and other metals. F. Dietzsch. 1,679,294; July 31.
- Treatment of organisms with electrical currents, Apparatus for the. W. T. Aruberg. 1,667,451; Apr. 24.
- Treatment of paper. D. Genese. 1,690,631; Nov. 6.
- Treatment of peat. F. Ginsbach. 1,686,807; Oct. 9.
- Treatment of polluted wastes. J. T. Travers. 1,685,301; Sept. 25.
- Treatment of seed. A. Klages. 1,688,720; Oct. 23.
- Treatment of sewage in sanitary closets. E. L. Jackson. 1,687,336; Oct. 9.
- Treatment of solid-bearing solutions, Apparatus for the. W. L. Remick. 1,696,014; Dec. 18.
- Treatment of spent clays. R. A. Dunham. 1,694,971; Dec. 11.
- Treatment of steam to reduce or prevent corrosion. R. W. Bailey. 1,666,523; Apr. 17.
- Treatment of substances with heat, Process and apparatus for the. W. G. Laird. 1,616,071; May 22.
- Treatment of transparent material. C. E. Swett. 1,656,303; Jan. 17.
- Treatment of work under pressure, Apparatus for continuous. C. H. Oakley. 1,677,201; July 17.
- Treatment table. J. V. McManis. 1,686,979; Oct. 9.
- Tree: See—
- Artificial tree. Christmas tree.
- Boot-tree. Shoe-tree.
- Tree, Artificial. F. J. Riha. Des. 77,030; Nov. 27.
- Tree collar. S. W. Merrick. 1,674,118; June 19.
- Tree stand. A. Rosenberg. Des. 76,958; Nov. 20.
- Tree stand, Christmas-. R. Garlick. 1,694,815; Dec. 11.
- Tree-supporting yoke. J. D. Tucker and F. C. Oldham. 1,682,445; Aug. 28.
- Trees, Closing cavities in. E. Peets. 1,666,245; Apr. 17.
- Trees, Treatment of. P. H. Davey. 1,657,918; Jan. 31.
- Trench. J. W. Blackman. 1,664,019; Mar. 21.
- Trench digger. C. C. Hansen. 1,681,536; Aug. 21.
- Trench diggers, Sighting device for. A. A. Smith. 1,661,812; Mar. 6.
- Trenches, Constructing. C. L. Powell. 1,658,253; Feb. 7.
- Trestle. F. P. Dyer. 1,662,700; Mar. 13.
- Trestle beams, Foldable horse for. J. G. Davis. 1,685,668; Sept. 25.
- Trestle, Collapsible. J. P. Gibson. 1,685,283; Sept. 25.
- Trestle or horse, Automatically-folding. C. E. Marks. 1,659,113; Feb. 14.
- Triangle. C. G. Mickel. 1,677,396; July 17.
- Triangle pad. F. C. Irving. 1,682,616; Aug. 28.
- Triarylguanidines, Preparation of. A. E. Parmelee. 1,662,397; Mar. 13.
- Tributyl borate, Normal. W. J. Bannister. 1,668,797; May 8.
- Tricalcium saccharate, Obtaining. C. Steffen, jr. 1,667,446; Apr. 24.
- Trigger for pneumatic tools, Safety. E. Malik. 1,681,044; Aug. 14.
- Trigger mechanism for double-barrel firearms, Single-. C. W. Lindsay. 1,693,929; Dec. 4.
- Trim stud, Floating-. P. E. Fenton. 1,696,156; Dec. 18.
- Trimmer: See—
- Edge trimmer. Process trimmer.
- Hedge trimmer. Tomato trimmer.
- Lawn trimmer. Tube-end trimmer.
- Post-base trimmer.
- Trimmer. H. A. Nelson. 1,665,109; Apr. 3.
- Trimmer. A. Van Veen and H. H. Fitzgerald. 1,693,263; Nov. 27.
- Trimmer. V. V. Vaughn. 1,657,502; Feb. 7.
- Trimmer. W. Yarger. 1,665,155; Apr. 3.
- Trimmer for lawns, Edge. W. W. Brown. 1,654,574; Jan. 3.
- Trimmer for meat blocks, Surface. W. R. Smout. 1,688,439; Oct. 23.
- Trimmer for plaster board and the like, Joint. J. Schumacher. 1,672,098; June 5.
- Trimming and making same. A. Holtz. 1,664,980; Apr. 8.
- Trimming fruit, Method and apparatus for. A. L. Duncan. 1,679,817; Aug. 7.
- Trimming grain, Apparatus for. O. E. West. 1,676,757; July 10.
- Trimming machine. H. Duckworth. 1,679,352; Aug. 7.
- Trimming machine. S. J. Finn. 1,659,595; Feb. 21.
- Trimming machine. S. J. Finn. 1,682,780; Sept. 4.
- Trimming machine. A. B. Fowler. 1,659,597; Feb. 21.
- Trimming machine. P. R. Hoopes. 1,695,688; Dec. 18.
- Trimming machine. B. Jorgensen. 1,680,384; Aug. 14.
- Trimming machine. B. Jorgensen. 1,694,444; Dec. 11.
- Trimming machine. G. J. Julian. 1,690,198; Nov. 6.
- Trimming machine, Flap-. H. D. Stevens. 1,676,807; July 10.
- Trimming machine for pastry. J. T. Turner. 1,672,550; June 5.
- Trimming machine, Lining. J. Gouldbourn and J. W. Goddard. 1,666,964; Apr. 24.
- Trimming machine, Sole and heel. J. H. Georgelis. 1,687,437; Oct. 9.
- Trimming machine, Top-lift-. J. Gouldbourn and R. B. Woodcock. 1,685,811; Oct. 2.
- Trimming material in strip form, Machine for reducing or. H. E. S. Chayes. 1,682,663; Aug. 28.
- Trimming, Narrow woven. C. S. Wackerman. Des. 76,440; Sept. 25.
- Trimming, Narrow woven. C. S. Wackerman. Des. 76,725; Oct. 23.
- Trimming press. E. C. Clarke. 1,667,654; Apr. 24.
- Trimming rubber strips, Device for. W. C. Stevens. 1,687,466; Oct. 9.
- Triode, Nonmicrophonic. H. M. Freeman. 1,689,821; Oct. 30.

- Trip arm for stop motions. F. Crawford, sr. 1,657,958; Jan. 31.
- Tripod. O. U. Zerk. 1,672,596; June 5.
- Tri-sodium phosphate, Making. J. N. Carothers. 1,689,547; Oct. 30.
- Trolley. C. A. Gouty. 1,684,178; Sept. 11.
- Trolley and hoisting mechanism for cranes, Turntable. G. E. Moore. 1,670,733; May 22.
- Trolley base. L. F. Burnham. 1,657,455; Jan. 31.
- Trolley base. L. F. Burnham, L. H. Keim, and C. Schafer. 1,687,657; Oct. 16.
- Trolley-conductor support. B. Hines and H. N. Richards. 1,660,873; Feb. 28.
- Trolley construction. G. C. Gutzat. 1,692,893; Nov. 27.
- Trolley for electric vehicles, Bow. E. Kramer. 1,685,919; Oct. 2.
- Trolley frog. S. S. Matthes. 1,682,136; Aug. 28.
- Trolley frog. P. G. Swars. 1,680,704; Aug. 14.
- Trolley guard. G. Weber. 1,680,829; Aug. 14.
- Trolley harp and wheel assembly. T. Haulton. 1,691,805; Nov. 13.
- Trolley head. H. P. Chandler. 1,690,618; Nov. 6.
- Trolley head. C. Pandolfo. 1,668,463; May 1.
- Trolley mechanism. J. Hollis. 1,691,973; Nov. 20.
- Trolley-wheel carrier. C. W. Brown. 1,662,233; Mar. 13.
- Trolley-wire clamp. S. S. Matthes. 1,685,431; Sept. 25.
- Trolley-wire holder for electric tramways and other railways. A. Linde. 1,660,562; Feb. 28.
- Trolley wires, Suspending device for. F. A. Tice. 1,658,266; Feb. 7.
- Trolling head. W. C. Bogart. 1,688,110; Oct. 16.
- Trolling spoon. E. C. Bills. 1,661,688; Mar. 6.
- Trolling spoon. H. W. Heitmillier. 1,683,890; Sept. 11.
- Trombone, Slide. E. Williams. 1,661,147; Feb. 28.
- Trouble detector, Call-box. G. W. Janson. 1,686,492; Oct. 2.
- Trouble light. L. Ludwig. 1,672,651; June 5.
- Trough. Eaves. F. F. Wright. 1,693,103; Nov. 27.
- Trough. Hog. C. Weaver. 1,690,762; Nov. 6.
- Trough, Pneumatic. J. H. Kincaid. 1,690,073; Oct. 30.
- Trough, Watering. J. T. Langewisch. 1,664,691; Apr. 3.
- Troughing system for electric-appliance receiving cabinets. J. Sachs. 1,667,871; May 1.
- Troughs, Adjustable partition for dough. L. F. Gottwald. 1,663,046; Mar. 20.
- Trouser support. J. Grunwald. 1,672,612; June 5.
- Trouser-supporting device. J. W. Meikiejohn. 1,696,809; Dec. 25.
- Trousers. B. Basskin. 1,679,148; July 31.
- Trousers. A. S. Lichten, A. Koufman, and W. Shulik. 1,665,855-6; Apr. 10.
- Trousers. J. Reichel. 1,692,812; Nov. 20.
- Trousers. M. S. Wagner. 1,667,363; Apr. 24.
- Trousers and shirt holder. L. R. Hage. 1,656,671; Jan. 17.
- Trousers hanger. C. G. Nelson. 1,678,679; July 31.
- Trousers hanger. J. F. Rajal. 1,668,466; May 1.
- Trowel. D. Guarino. 1,673,940-1; June 19.
- Truck. R. W. Burnett. 1,669,692; May 15.
- Truck. F. H. Field. 1,680,531; Aug. 14.
- Truck. C. W. Gladding. 1,658,893; Feb. 14.
- Truck. J. H. Hertner. 1,668,907; May 8.
- Truck. T. C. Hollnagel. 1,684,673; Sept. 18.
- Truck. G. Holmes. 1,692,121; Nov. 20.
- Truck. C. Klein. 1,694,342-3; Dec. 4.
- Truck. G. Manierre. 1,692,848; Nov. 27.
- Truck. B. W. E. Milliken. 1,660,517; Feb. 28.
- Truck. B. J. Moore. 1,694,749; Dec. 11.
- Truck. F. R. Nies. 1,667,671; Apr. 24.
- Truck. W. M. Nutting. 1,672,035; June 5.
- Truck. F. R. Shedd. 1,683,571; Mar. 27.
- Truck. C. H. Young. 1,691,621; Nov. 13.
- Truck and vehicle, Convertible hand. N. S. Black. 1,679,325; July 31.
- Truck attachment, Hand. C. C. Gregory. 1,670,255; May 15.
- Truck, Barrel. E. J. Lamothe. 1,672,130; June 5.
- Truck bodies, Extension carrier for. B. A. Boettger. 1,655,308; Jan. 3.
- Truck body. F. Schelben. 1,691,859; Nov. 13.
- Truck-body construction. R. F. Burke. 1,675,317; July 3.
- Truck body for delivering ice cream. J. W. Vetter. 1,664,438; Apr. 3.
- Truck-body mounting. C. B. Hughes. 1,667,204; Apr. 24.
- Truck bolster. B. Haskell. 1,681,154; Aug. 14.
- Truck bolster. J. A. Lamont. 1,682,529; Aug. 28.
- Truck bolster. M. H. Martin. 1,657,934; Jan. 31.
- Truck bolster with absorption mechanism. T. H. Symington and P. R. Drenning. 1,663,394; Mar. 20.
- Truck, Booster-motor. H. M. Pfleger. 1,663,727; Mar. 27.
- Truck, Box-piling. J. Schlotthan. 1,660,016; Feb. 21.
- Truck brake. L. A. Seitz and H. M. Hawkins. 1,660,098; Feb. 21.
- Truck, Car. S. P. Bush and J. C. Larsen. 1,682,480; Aug. 28.
- Truck, Car. J. Worms. 1,692,606; Nov. 20.
- Truck, Casket. G. B. Moore and H. M. Adams. 1,668,282; May 1.
- Truck construction. W. F. J. Casey, G. Cavin, and C. E. Brooks. 1,681,095; Aug. 14.
- Truck construction, Booster motor-. H. S. Vincent. 1,665,335; Apr. 10.
- Truck construction, Car-. S. P. Bush. 1,679,811; Aug. 7.
- Truck construction, Car-. J. C. Larsen. 1,665,417; Apr. 10.
- Truck construction for electric locomotives. B. F. Hall. 1,663,548; Mar. 27.
- Truck construction, six-wheel car-. G. T. Johnson. 1,665,414; Apr. 10.
- Truck construction, Six-wheel car-. J. C. Larsen and G. L. Orr. 1,665,416; Apr. 10.
- Truck cover, Auto. A. G. Schlicher. 1,658,077; Jan. 10.
- Truck drive. W. A. Richardson and S. A. Theard. 1,658,654; Feb. 7.
- Truck, Dump. W. Janssen. 1,678,569; July 24.
- Truck, Dumping. P. A. Brick. 1,663,537; Mar. 27.
- Truck, Dumping. N. S. Dunaway. 1,680,734; Aug. 14.
- Truck, Electric-power. W. H. Coburn and C. Kiernan. 1,683,287; Sept. 4.
- Truck, Elevating. H. S. Germond, jr. 1,662,604; Mar. 13.
- Truck, Elevating. B. E. Scriven. 1,662,782; Mar. 13.
- Truck for bathtubs and the like. E. G. Wertenberger and C. Kleist. 1,662,730; Mar. 13.
- Truck for greyhound racing, Rabbit-carrying. G. W. Heintz. 1,692,736; Nov. 20.
- Truck for locomotive engines. J. G. Blunt. 1,657,777; Jan. 31.
- Truck for locomotive engines. J. G. Blunt. 1,678,321; July 24.
- Truck for railroad vehicles. J. G. Blunt. 1,679,151; July 31.
- Truck for railroad vehicles. A. W. Bruce. 1,679,601; Aug. 7.
- Truck for railroad vehicles, Four-wheeled. J. G. Blunt. 1,678,322; July 24.
- Truck for railway vehicles. J. G. Blunt. 1,674,632; June 26.
- Truck for storage batteries. T. Marshall, jr. 1,681,944; Aug. 28.
- Truck for stoves or the like. J. A. Johnson. 1,666,139; Apr. 17.
- Truck for transporting poultry. L. A. Cohen. 1,694,732; Dec. 11.
- Truck for two loading platforms, Common. H. W. Jonkhoff. 1,654,814; Jan. 3.
- Truck frame, Mine-car. J. R. Fleming. 1,664,069; Mar. 27.
- Truck, Freight. B. F. Fitch. 1,675,701; July 3.
- Truck, Freight-car. J. J. Tatum. 1,670,054; May 15.
- Truck, Guide. H. A. Houston. 1,686,664; Oct. 9.
- Truck, Hand. J. A. Byington. 1,692,624; Nov. 20.
- Truck, Hand. E. Ruffner. 1,689,156; Oct. 23.
- Truck, Hand. C. Spaeth. 1,668,129; May 1.
- Truck, Hand. B. F. Walker. 1,679,885; Aug. 7.
- Truck, Hand. H. Weldt. 1,679,107; July 31.
- Truck, Industrial. E. J. Abbe. 1,688,131; Oct. 16.
- Truck, Industrial. A. R. Goldrick. Re17,043; July 17.
- Truck, Industrial. A. G. Hutzley. 1,690,681; Nov. 6.
- Truck, Industrial. E. H. Remde. 1,661,386-7; Mar. 6.
- Truck, Industrial. E. H. Remde. 1,661,626; Mar. 6.
- Truck, Industrial. E. H. Remde. 1,661,851-2; Mar. 6.
- Truck, Industrial. E. H. Remde. 1,663,140; Mar. 20.
- Truck loader. E. W. Sullivan. 1,666,983; Apr. 24.
- Truck loader, Motor-. E. Artas. 1,655,686; Jan. 10.
- Trunk lock. C. Ledin. 1,678,736; July 31.
- Truck, Locomotive. T. H. Ainsworth. 1,655,805; Jan. 10.
- Truck, Locomotive. A. W. Bruce. 1,679,153; July 31.
- Truck, Locomotive or car. B. G. Anderson. 1,670,706; May 22.
- Truck, Locomotive trailer. C. T. Westlake. 1,675,679; July 3.
- Truck, Locomotive trailing. G. B. Ashworth. 1,679,147; July 31.
- Truck, Metal. H. Stier. 1,671,453; May 29.
- Truck platform. F. M. Reid. 1,662,833; Mar. 20.
- Truck, Portable ash-can. M. J. Downey. 1,695,183; Dec. 11.
- Truck, Railroad-car. W. C. Sleeman. 1,664,795; Apr. 3.
- Truck, Railway. O. K. Kjolseth. 1,684,282; Sept. 11.
- Truck, Railway. O. K. Kjolseth. 1,696,608; Dec. 25.
- Truck, Railway. E. L. Schellens and J. S. Coffin, jr. 1,668,424; May 1.
- Truck, Railway-car. J. R. Cardwell. 1,695,085-6; Dec. 11.
- Truck, Railway-car. J. F. O'Connor. 1,696,322; Dec. 25.
- Truck, Railway-car. W. C. Sleeman. 1,694,988; Dec. 11.
- Truck, Railway-car. W. J. Smith. 1,674,183; June 19.
- Truck, Railway motor. F. W. Anderson. 1,680,492; Aug. 14.
- Truck, Refrigerating. H. C. Folger and J. E. O'Connell. 1,668,238; May 1.
- Truck, Removable-body. W. M. Baxter. 1,667,023; Apr. 24.
- Truck side frame. E. Eiselt. 1,674,504; June 19.
- Truck, Six-wheel. C. E. Harbison. 1,689,025; Oct. 23.
- Truck, Tractor. C. E. Weir. 1,657,947; Jan. 31.
- Truck, Transport. C. Pearson. 1,691,583; Nov. 13.
- Truck, Transportation. A. J. Gard. 1,662,148; Mar. 13.
- Truck vehicle, Double. O. F. Warhus. 1,666,921; Apr. 24.
- Truck-wheel, Dual-tired. L. D. Kay. 1,675,934; July 3.
- Truck wheel, Motor-. J. D. Rauch. 1,685,294; Sept. 25.
- Truck winch, Auto. O. J. Bird. 1,658,878; Feb. 14.
- Truck with five or more axles, Railroad. R. Wenzel. 1,656,995; Jan. 24.

- Trucks and cars, Safety dog for. D. H. Yake. 1,663,327; Mar. 20.
- Trucks and the like, Tailboard and tailboard mounting for. F. Richter. 1,695,609; Dec. 18.
- Trucks, Battery cradle for electric. W. S. Ward and B. H. Britt. 1,661,779; Mar. 6.
- Trucks, Brake rigging for railway. H. George. 1,661,471; Mar. 6.
- Trucks, Controlling the swiveling action of railway. C. W. Todd. 1,661,814; Mar. 6.
- Trucks for railway and like vehicles, Construction of bogie. G. H. Sheffield and J. D. Twinberrow. 1,686,182; Oct. 2.
- Trucks, Hand hoist for. J. P. Heil and A. Borchardt. 1,659,872; Feb. 21.
- Trucks, Load retainer for. J. W. French. 1,668,401; May 1.
- Trucks, Nonskid chain attachment for. C. F. Ball. 1,672,050; June 5.
- Truing apparatus. E. F. Burke. 1,671,697; May 29.
- Truing device, Finger-gauge. J. Pickerell. 1,682,245; Aug. 28.
- Trumpet. J. B. Newman. 1,662,076; Mar. 13.
- Trumpet, Ear. E. D. Tillyer. 1,659,965; Feb. 21.
- Trundle. J. P. Kirst. Des. 75,260; May 22.
- Trunk. J. Ritter, jr. 1,682,186; Aug. 28.
- Trunk. E. O. Suedflow. 1,681,264; Aug. 21.
- Trunk and luggage carrier. B. P. Hanson. 1,691,804; Nov. 13.
- Trunk and luggage carrier, Automobile. A. L. Shidler and H. H. Mootz. 1,687,396; Oct. 9.
- Trunk and luggage carrier, Combination. R. M. Cormican. 1,687,427; Oct. 9.
- Trunk, Automobile. H. F. Massopust. 1,689,736; Oct. 30.
- Trunk, Combination. E. Z. Hursh. 1,694,470; Dec. 11.
- Trunk construction. J. Ritter, jr. 1,681,365; Aug. 21.
- Trunk, Demonstrating. C. J. De La Fontaine. 1,670,496; May 22.
- Trunk, Double-cushion. J. Ritter, jr. 1,672,906; June 12.
- Trunk, Extension. P. F. Sperry. 1,691,788; Nov. 13.
- Trunk, foldable bed-supporting structure, and canopy. J. K. Wright. 1,693,012; Nov. 27.
- Trunk, Folding. O. R. Ludwig. 1,696,853; Dec. 25.
- Trunk handle. M. Greenberg. 1,665,353; Apr. 10.
- Trunk lock. A. T. Long. 1,655,378; Jan. 3.
- Trunk lock. J. Ritter, jr., and M. Rasmussen. 1,665,379; Apr. 10.
- Trunk or similar article, Corner piece for a. E. Zavitsky and C. J. Lins. Des. 76,727-8; Oct. 23.
- Trunk-rack mounting. E. H. Specht. 1,655,826; Jan. 10.
- Trunk, suitcase, and the like, Collapsible. E. N. Kennedy. 1,687,213; Oct. 9.
- Trunk system, Intercepting. M. Schwartz. 1,665,479; Apr. 10.
- Trunk, Tourist tool. J. J. Tronick. 1,669,399; May 8.
- Trunk. Wardrobe. L. M. Bartels. 1,673,730; June 12.
- Trunk, Wardrobe. E. A. Hoff and W. C. Sanford. 1,666,011; Apr. 10.
- Trunking system. W. G. Blauvelt. 1,666,988; Apr. 24.
- Trunking system for radio distribution. E. E. Clement. 1,695,182; Dec. 11.
- Trunks and the like, Tie-band-securing device for. S. G. Johnson. 1,680,993; Aug. 14.
- Truss. C. Gross. 1,672,887; June 12.
- Truss. A. F. Luzzi. 1,658,133; Feb. 7.
- Truss. A. F. Luzzi. 1,676,657; July 10.
- Truss. N. B. Obbard. 1,693,660; Dec. 4.
- Truss. C. A. Soriano. 1,669,354; May 8.
- Truss. C. Verbsky. 1,658,869; Feb. 14.
- Truss metal shape and producing same, Rolled. W. A. Bates. 1,696,833; Dec. 25.
- Truss rod. J. D. Langdon. 1,667,209; Apr. 24.
- Truss structure. C. L. Ewing. 1,681,572; Aug. 21.
- Trussed structure. G. H. Dawson and H. F. Frease. 1,668,673; May 8.
- Trussed structure. G. H. Dawson and H. F. Frease. 1,685,353; Sept. 25.
- Trussed structure. H. F. Frease. 1,680,976; Aug. 14.
- Trussed structure. H. G. Tregillus. 1,685,107; Sept. 25.
- Trussed structures, Making. C. H. Fork. 1,676,258; July 10.
- Tub. C. C. Westerman. 1,654,954; Jan. 3.
- Tub stand. F. J. Dultmeier. 1,685,988; Oct. 2.
- Tubs or trucks in collieries or the like, Control of. D. F. Brown. 1,672,364; June 5.
- Tube. See—
- Collapsible tube.
- Discharge tube.
- Draft tube.
- Electron-discharge tube.
- Electron tube.
- Heat-conducting tube.
- Heat-transmission tube.
- Inner tube.
- Insulating tube.
- Level tube.
- Luminescent tube.
- Mailing tube.
- Metal hair tube.
- Metal tube.
- Neon tube.
- Paste tube.
- Radio vacuum tube.
- Rectifier tube.
- Seam tube.
- Seamed tube.
- Speaking tube.
- Tank-filling tube.
- Thermionic tube.
- Torpedo tube.
- Vacuum tube.
- Valve tube.
- X-ray tube.
- Tube and making same. J. R. Gammeter. Des. Re-16,990; June 19.
- Tube and making same. J. R. Gammeter. 1,663,754; Mar. 27.
- Tube and making same, Insulating. H. H. Wermine. 1,693,630; Dec. 4.
- Tube and manufacturing the same, Luminous. R. R. Machlett. 1,680,272; Aug. 7.
- Tube and tire saver. T. P. Roth. 1,696,503; Dec. 25.
- Tube base, Dispensing-. B. F. Baker. 1,696,147; Dec. 18.
- Tube-bending machine. C. H. Frederick. 1,690,724; Nov. 6.
- Tube cap, Oil-. J. W. Coffman. 1,664,593; Apr. 3.
- Tube carrier, Pneumatic-. M. Anderson. 1,691,038; Nov. 13.
- Tube cleaner. E. B. Clemenger. 1,656,045; Jan. 10.
- Tube cleaner. T. R. Hayton. 1,696,677; Dec. 25.
- Tube cleaner. J. P. Rodgers. 1,676,157; July 3.
- Tube cleaner. O. C. Runge. 1,681,886; Aug. 21.
- Tube cleaner. A. H. Swartz and D. S. Tucker. 1,658,617; Feb. 7.
- Tube cleaner, Boiler-. F. Bowers. 1,680,202; Aug. 7.
- Tube cleaner, Multiple-. C. L. Burdick. 1,694,371; Dec. 11.
- Tube-cleaning device. D. S. Jacobus. 1,693,115; Nov. 27.
- Tube closure. R. W. Fox. 1,686,520; Oct. 9.
- Tube-coating apparatus. C. F. Moore and C. H. Stubbs. 1,671,374; May 29.
- Tube construction, Pressure-. W. A. Corlett. 1,657,820; Jan. 31.
- Tube-control unit. H. H. Frost. 1,655,899; Jan. 10.
- Tube cutter, Inside-. F. D. Rich. 1,667,823; May 1.
- Tube-deflating machine. J. Wahl and O. Melzer. 1,657,873-4; Jan. 31.
- Tube-deflating stand. S. R. Harrington. 1,673,506; June 12.
- Tube device, Vacuum electric. E. Y. Robinson. 1,692,573; Nov. 20.
- Tube display, Flashing and regulating apparatus for discharge. F. Hotchner. 1,662,114; Mar. 13.
- Tube-drawing plug. J. Kemp. 1,685,636; Sept. 25.
- Tube-end trimmer. D. M. Lindsay. 1,669,397; May 8.
- Tube ends, Method of and machine for squeezing. H. Parker. 1,673,993; June 19.
- Tube expander. R. Bungeoth. 1,682,724; Aug. 28.
- Tube expander. R. Mihatsch. 1,670,268; May 15.
- Tube-feeding method and apparatus. J. E. Dancker and W. A. Schultz. 1,657,568; Jan. 31.
- Tube filler. A. Fraass. 1,663,696; Mar. 27.
- Tube finishing and capping machine. J. H. Konigsberg. 1,679,865; Aug. 7.
- Tube flanger. W. W. Andrews. 1,669,367; May 8.
- Tube for self-rescue apparatus, Breathing. A. B. Dräger. 1,679,116; July 31.
- Tube forming and handling mechanism. W. T. Davis. 1,674,467; June 19.
- Tube-forming die. F. Coates. 1,661,108; Feb. 28.
- Tube-forming machine. E. Conti. 1,660,832; Feb. 28.
- Tube frame. E. F. Hathaway. 1,696,162; Dec. 18.
- Tube frame. C. Lea. 1,668,501; Mar. 20.
- Tube-frame bracket. E. E. Clark. 1,691,148; Nov. 13.
- Tube frame for Axminster looms. E. E. Clark. 1,674,004; June 19.
- Tube frame for holding spools of tuft yarn. F. W. Austin. 1,664,015; Mar. 27.
- Tube frames, Spool-supporting means for. E. F. Hathaway. 1,696,161; Dec. 18.
- Tube-making apparatus. J. R. Gammeter. 1,670,445; May 22.
- Tube-making apparatus. J. O. Goodwin. 1,663,750; Mar. 27.
- Tube manufacture. C. E. Maynard. 1,669,260; May 8.
- Tube manufacture, Apparatus for. C. E. Maynard. 1,687,872; Oct. 16.
- Tube mill. C. H. Roth. 1,679,545; Aug. 7.
- Tube or rod pulling mechanism. R. C. Mason. 1,668,649; May 8.
- Tube-severing machine. C. F. Smith. 1,690,209; Nov. 6.
- Tube-socket meter. W. E. Beede. 1,689,853; Oct. 30.
- Tube-splicing method and apparatus. N. L. Warner. 1,687,811; Oct. 16.
- Tube squeezer, Collapsible. J. L. Mohun. 1,654,549; Jan. 3.
- Tube stem. W. A. Anglemeyer. 1,671,961; June 5.
- Tube structure, Torque. J. S. Booth. 1,670,096; May 15.
- Tube support. D. G. Little. 1,671,476; May 29.
- Tube support, Flexible. A. Champion. 1,683,023; Sept. 4.
- Tube-tensioning means, Oil-. A. R. Weis. 1,657,651; Jan. 31.
- Tube-testing machine. M. Reid. 1,695,979; Dec. 18.
- Tube-working machines, Cap-applying means for. W. T. Davis. 1,678,463; July 24.
- Tubes and bulbs, Sealing-in machine for. C. Eisler. 1,655,050; Jan. 3.
- Tubes and other products, Making flanged. T. E. Murray. 1,693,045; Nov. 27.
- Tubes, Apparatus and method for filling collapsible. N. M. Hopkins. 1,676,734; July 10.
- Tubes, Apparatus for making lap-welded. J. H. Matheson. 1,664,379; Mar. 27.
- Tubes, Apparatus for manufacturing inner. J. P. Coe. 1,693,637; Dec. 4.
- Tubes, Casing for pneumatic. A. B. Broluska. 1,661,461; Mar. 6.

- Tubes, End plate for shipping. J. Kohani. 1,670,454; May 22.
- Tubes, Making cellular. W. E. Curtis. 1,671,351; May 29.
- Tubes, Making inner. J. P. Coe. 1,693,636; Dec. 4.
- Tubes, Making inner. E. W. Melvin. 1,678,015; July 24.
- Tubes, Making plywood. J. H. Proctor. 1,657,280; Jan. 24.
- Tubes, Manufacture of flexible. J. Poberejsky. 1,659,120; Feb. 14.
- Tubes, Method and apparatus for drawing. W. M. Fulton. 1,654,585; Jan. 3.
- Tubes, Method and apparatus for manufacturing. A. Laughlin, jr. 1,686,700; Oct. 9.
- Tubes, Method and apparatus for the manufacture of. A. Laughlin, jr. 1,671,731; May 29.
- Tubes, Method and apparatus for the manufacture of. A. Laughlin, jr. 1,686,701; Oct. 9.
- Tubes, Method of and apparatus for making rubber. J. A. Fleischli. 1,676,776; July 10.
- Tubes, Producing metal. J. W. Leighton. 1,691,725; Nov. 13.
- Tubes, Producing rubber. C. E. Maynard. 1,682,923; Sept. 4.
- Tubes, Scale remover for. C. R. Arcus. 1,660,406; Feb. 28.
- Tubes, Treating. E. L. Koch. 1,670,892; May 22.
- Tubing. C. B. Drevitson. 1,688,178; Oct. 16.
- Tubing and cane, Manufacture of glass. K. E. Peiler. 1,663,093; Mar. 20.
- Tubing and making the same, Electric butt-welded. J. W. Harris. 1,665,851; Apr. 10.
- Tubing and method and apparatus for the making of same. Small-bore. H. Schlaich. 1,691,134; Nov. 13.
- Tubing, Apparatus for producing bellows folds in. W. B. Clifford. 1,689,620; Oct. 30.
- Tubing bend and making same. B. C. Root. 1,694,430; Dec. 11.
- Tubing bleeder. E. D. Smyser. 1,659,335; Feb. 14.
- Tubing bleeder, valve, and trap, Combined. W. H. McKissick. 1,657,131; Jan. 24.
- Tubing catcher. E. C. Crago. 1,673,802; June 19.
- Tubing catcher. P. G. Leonard. 1,667,733; May 1.
- Tubing, Forming flexible. H. Keller. 1,661,835; Mar. 6.
- Tubing holder. W. L. Pearce. 1,670,690; May 22.
- Tubing, Making fluted. H. W. Bundy. 1,685,270; Sept. 25.
- Tubing, Making seamless. P. Oehmig, jr., and F. Lutzner. 1,664,990; Apr. 3.
- Tubing, Metal. E. R. Berry. 1,694,962; Dec. 11.
- Tubing, Method and apparatus for making. H. W. Bundy. 1,685,269; Sept. 25.
- Tubing, Method of and apparatus for making. W. J. Woods. 1,670,947; May 22.
- Tubing roller. W. van Ee and W. J. Geist. 1,667,500; Apr. 24.
- Tubing slip and spider. W. L. Church. 1,656,043; Jan. 10.
- Tubing, Well. J. G. Robinson. 1,683,629; Sept. 11.
- Tubular articles, Producing. A. C. Lusher. 1,693,610; Dec. 4.
- Tubular fibrous structures, Method and apparatus for producing. J. R. Gammeter, F. J. Shook, and F. Wilson. 1,674,171; June 19.
- Tubular frame structure. H. F. Frease. 1,665,921; Apr. 10.
- Tubular-member adapter. L. Campbell, jr. 1,672,879; June 12.
- Tubular members, Attachment for reshaping. C. J. Louis. 1,693,850; Dec. 4.
- Tubular shafts, Reinforcing sleeve for. W. Schwemlein. 1,656,992; Jan. 24.
- Tubular structure. H. F. Frease. 1,677,714; July 17.
- Tucker. O. C. F. Meisel. 1,691,890; Nov. 13.
- Tuft-forming mechanism. Conrad Jobst. 1,664,421; Apr. 3.
- Tufts, material therefor, and manufacture. A. C. Durkee. 1,657,744; Jan. 31.
- Tug wheel. J. I. McKean. 1,694,274; Dec. 4.
- Tumbler. E. E. Bartlett. Des. 77,281; Dec. 25.
- Tumbler. A. C. Menning. 1,668,778; May 8.
- Tumbler, Drying. J. W. Seifert. 1,655,514; Jan. 10.
- Tumbler, Drying-room. E. Davis. 1,687,971; Oct. 16.
- Tumbler, Drying-room. E. Davis. 1,688,919; Oct. 23.
- Tumbler, Glass. R. S. Giese. Des. 75,836; July 24.
- Tumbler, Glass. S. A. Langenbaker. Des. 76,817; Nov. 6.
- Tumbler, Glass. H. L. Lissfelt. Des. 75,853; July 24.
- Tumbler lock. E. N. Jacobi. 1,674,513; June 19.
- Tumbler or similar article. J. B. Clark. Des. 76,985; Nov. 27.
- Tumbler or similar article of manufacture. J. B. Clark. Des. 76,986; Nov. 27.
- Tumbler, Sand-blast. R. Ruemelin. 1,656,238; Jan. 17.
- Tungsten and like metals in glass and seal produced by such method, Sealing. K. Weigelt. 1,668,095; May 1.
- Tungsten and producing the same, Form of. C. G. Fink. 1,675,486; July 3.
- Tungsten filament and making it. F. Blau, F. Koref, and K. Moers. 1,670,292; May 22.
- Tungsten, Making metallic. K. Anjow. 1,682,058; Aug. 28.
- Tungsten oxide gel, Preparing. W. A. Patrick and E. H. Barclay. 1,683,695; Sept. 11.
- Tungsten product and its manufacture. A. de Graaff. 1,662,027; Mar. 6.
- Tuning attachment for pipe-organ pipes. S. Silvers. 1,691,674; Nov. 13.
- Tuning device. L. A. Gould. 1,695,919; Dec. 18.
- Tuning device. L. Muller. 1,685,717; Sept. 25.
- Tuning device. D. E. Rockenfeller. 1,678,535; July 24.
- Tuning device for radio receiving sets. P. W. Willans and A. Stanley. 1,679,459; Aug. 7.
- Tuning key for string instruments. T. H. Stark. 1,661,708; Mar. 6.
- Tuning peg. W. N. Sharpe. 1,672,348; June 5.
- Tuning peg for stringed musical instruments. A. D. Grover. 1,669,823; May 15.
- Tuning peg, Geared. A. D. Grover. 1,669,824; May 15.
- Tuning system. N. H. Clough. 1,666,685; Apr. 17.
- Tunnel kiln. H. R. Straight. 1,663,029; Mar. 20.
- Tunnel lining. S. Johannesson. 1,670,625; May 22.
- Tunneling machine. H. E. Marsh. 1,693,954; Dec. 4.
- Tunneling machine. E. C. Morgan. 1,674,870; June 26.
- Tunneling machine, Multiple-air-drill. W. R. Collins. 1,677,430; July 17.
- Turbid suspensions, Method and apparatus for determination of the concentration of. R. E. Hall. 1,681,339; Aug. 21.
- Turbine. F. D. Butler. 1,671,967; June 5.
- Turbine. H. J. Hanzlik. 1,696,002; Dec. 18.
- Turbine. H. T. Herr. 1,680,789; Aug. 14.
- Turbine. P. Kaehler. 1,670,452; May 22.
- Turbine. C. J. Lamb. 1,678,065; July 24.
- Turbine. J. L. Rood. 1,654,605; Jan. 3.
- Turbine. W. D. Smalley. 1,676,806; July 10.
- Turbine. O. A. Wiberger. 1,669,797; May 15.
- Turbine aggregate. F. Ljungstrom. 1,686,218; Oct. 2.
- Turbine-blade lashing. N. L. Mochel. 1,695,971; Dec. 18.
- Turbine-blade lashing. J. L. Ray. 1,663,593; Mar. 27.
- Turbine blades, Cylinder for. J. F. Johnson. 1,668,722; May 8.
- Turbine, Bleeder. L. Helander. 1,670,069; May 15.
- Turbine casing or housing, High-pressure. F. Lösel. 1,666,627; Apr. 17.
- Turbine construction. K. Frey. 1,691,184; Nov. 13.
- Turbine construction. L. H. Morrill. 1,679,913; Aug. 7.
- Turbine construction, Steam-. A. Meyer and K. Frey. 1,687,103; Oct. 9.
- Turbine-cooling means. C. J. Lamb. 1,678,066-7; July 24.
- Turbine, Elastic-fluid. K. Baumann. 1,692,537-8; Nov. 20.
- Turbine, Elastic-fluid. E. D. Dickinson and R. G. Standerwick. 1,675,212; June 26.
- Turbine, Elastic-fluid. F. Hodgkinson. 1,672,126; June 5.
- Turbine, Elastic-fluid. F. Hodgkinson. 1,680,737; Aug. 14.
- Turbine, Elastic-fluid. O. Junggren. 1,672,721; June 5.
- Turbine, Elastic-fluid. F. Lösel. 1,666,626; Apr. 17.
- Turbine, Elastic-fluid multistage disk-wheel. F. Lösel. 1,666,625; Apr. 17.
- Turbine engine, Hydrocarbon. W. G. Simpson. 1,683,994; Sept. 11.
- Turbine fan structure. W. F. Carmichael. 1,687,541; Oct. 16.
- Turbine, Fluid. J. A. Choquette. 1,661,716; Mar. 6.
- Turbine frame, Plate-sheet-steel. G. A. Jessop. 1,692,211-12; Nov. 20.
- Turbine, Gas. J. M. Hawthorn. 1,684,824; Sept. 18.
- Turbine, Gas. H. Holzwarth. 1,672,529; June 5.
- Turbine-governing system. W. Innes. Re17,161; Dec. 11.
- Turbine-governing system. W. Innes. 1,669,522; May 15.
- Turbine, High-speed impulse. L. F. Moody. 1,681,705; Aug. 21.
- Turbine, Hydraulic. E. H. Brown. 1,655,833; Jan. 10.
- Turbine, Hydraulic. L. F. Moody. 1,656,889; Jan. 17.
- Turbine, Hydraulic. L. F. Moody. 1,681,706; Aug. 21.
- Turbine, Hydraulic. L. F. Moody. 1,683,567; Sept. 4.
- Turbine, Hydraulic. L. F. Moody. 1,688,736; Oct. 23.
- Turbine, Hydraulic. L. F. Moody. 1,690,287; Nov. 6.
- Turbine, Hydraulic. C. O. Tappan and B. G. Fernald. 1,673,605; June 12.
- Turbine, Hydraulic. H. B. Taylor. 1,681,712; Aug. 21.
- Turbine, Hydraulic. H. B. Taylor. 1,694,454; Dec. 11.
- Turbine, Hydraulic. W. M. White. 1,685,261; Sept. 25.
- Turbine installation, Geared. B. O. Buckland and G. B. Warren. 1,677,026; July 10.
- Turbine, Internal-combustion. E. W. Naileigh. 1,677,198; July 17.
- Turbine, Multistage disk-wheel. F. Lösel. 1,688,933; Oct. 23.
- Turbine or pump, Propeller-type. L. F. Moody. 1,694,481; Dec. 11.
- Turbine power plant and system, Steam-. F. Lösel. 1,661,296; Mar. 6.
- Turbine, Radial-flow. O. A. Wiberger. 1,695,751; Dec. 18.
- Turbine, Reaction. W. S. Bowen. 1,681,607; Aug. 21.
- Turbine-regulating means. R. G. Standerwick. 1,670,083; May 15.
- Turbine, Steam. A. W. Bennett. 1,666,068; Apr. 17.
- Turbine, Steam. F. Hodgkinson. 1,682,338; Aug. 28.
- Turbine, Steam. T. Stein. 1,657,233; Jan. 24.
- Turbine support. R. C. Allen. 1,682,317; Aug. 28.
- Turbine system. H. P. Dahlstrand. 1,671,066; May 22.
- Turbine, Water. J. P. Cleveland. 1,661,107; Feb. 28.
- Turbine, Water. A. Storbach. 1,665,329; Apr. 10.
- Turbine, Water-wheel. E. S. Starr. 1,672,739; June 5.
- Turbines, Method and device for determining the expansion line of steam. F. Lösel. 1,666,628; Apr. 17.

- Turbines, Method of and apparatus for increasing the vacuum of. A. Delas. 1,688,413; Oct. 23.
- Turbines, Regulating mechanism for elastic-fluid. R. G. Standerwick. 1,655,682; Jan. 10.
- Turbo air or gas compressor. A. Jude. 1,689,671; Oct. 30.
- Turbo-generator installation. K. Frey. 1,657,433; Jan. 24.
- Turf cutter. H. K. Gilbert. 1,658,892; Feb. 14.
- Turf-cutting device. H. B. Deane. 1,692,436; Nov. 20.
- Turf-smoothing device. L. G. Shinn. 1,657,322; Jan. 24.
- Turnbuckles, Forming. L. L. Whitney. 1,689,218; Oct. 30.
- Turn indicator. C. H. Colvin. 1,660,152; Feb. 21.
- Turn light, Left-hand-. J. Swan. 1,682,638; Aug. 28.
- Turner, Log. R. M. Peaver. 1,679,445; Aug. 7.
- Turning machine, Automatic. D. Turcott. 1,696,425; Dec. 25.
- Turning machine, Quartering and crank-pin-. L. C. Cole. 1,688,788; Oct. 23.
- Turning machines, Work-piece-supporting fixture for. C. H. Knudsen. 1,666,292; Apr. 17.
- Turnstile apparatus, Coin-controlled and change-making. D. L. Chandler. 1,679,930; Aug. 7.
- Turnstile-control mechanism. R. J. Parsons. 1,688,746; Oct. 23.
- Turntable. H. F. Graves. 1,669,124; May 8.
- Turntable. W. M. Venable. 1,691,948; Nov. 20.
- Turntable for motor-driven vehicles. H. Siegrist. 1,689,160; Oct. 23.
- Turntable lift. P. J. Lunati. 1,689,144-5; Oct. 23.
- Turntable, Overhead runway. M. C. Gillies. 1,684,986; Sept. 18.
- Turntables, Air-supply connection for. C. M. Goodrich. 1,663,372; Mar. 20.
- Turret mechanism for machine tools. J. J. N. Van Hamersveld. 1,666,187; Apr. 17.
- Tuyère. B. G. Call. 1,656,723; Jan. 17.
- Tuyère. A. J. Ebner. 1,662,850; Mar. 20.
- Tuyère. G. W. Vreeland. 1,682,816; Sept. 4.
- Tuyère cooler. J. E. Lose. 1,675,811; July 3.
- Tuyère for blast furnaces. S. Ohba. 1,673,053; June 12.
- Tuyère wind box. H. W. Tiggen. 1,667,571; Apr. 24.
- Tweezers. A. J. Cichon. 1,657,497; Jan. 31.
- Tweezers. S. Segal. 1,667,170; Apr. 24.
- Twine ball. G. L. Rice. 1,677,491; July 17.
- Twine cutter. J. J. Sullivan. 1,659,124; Feb. 14.
- Twine holder. E. A. Carlson. 1,665,127; Apr. 3.
- Twine package and its manufacture. J. H. Damon. 1,682,777; Sept. 4.
- Twine reel, Household. H. O. Roeske. 1,664,467; Apr. 3.
- Twist meter. J. H. Smith. 1,686,714; Oct. 9.
- Twister traveler. P. C. Wentworth. 1,690,468; Nov. 6.
- Twisters, Stop motion for. H. A. Davis. 1,657,431; Jan. 24.
- Twisters, Stop motion for. R. A. Kearsley. 1,696,165; Dec. 18.
- Twisting machine, Crank-shaft-. M. H. Damerell. 1,680,769; Aug. 14.
- Twisting machines and the like, Spool support for. G. L. Brownell. 1,665,083; Apr. 3.
- Twisting strands, Method of and apparatus for. A. Marchev. 1,690,373; Nov. 6.
- 2-amino-5-iodo-pyridine, Preparation of. C. Råth. 1,671,256; May 19.
- 2-amino-4-nitrophenoxyethanol and producing the same. O. Knecht. 1,669,764; May 15.
- 2-amino-4-nitrophenoxypropandiol and producing same. O. Knecht. 1,670,969; May 22.
- Two-cycle engine. C. Schaefer. 1,671,787; May 29.
- Two-cycle motor, Sleeve-valve. E. H. Belden. 1,686,789; Oct. 9.
- 2-hydroxynaphthalene-3-monosulpho-6-carboxylic acid and making it. F. Krecke. 1,676,698; July 10.
- 2-(or 3-) chloro-quinizarine, Preparing. I. Gubelmann. 1,655,863; Jan. 10.
- Two-part wheel. L. E. Brie. 1,662,581; Mar. 13.
- Two-section picker. H. J. Monty. 1,672,536; June 5.
- 2,3-hydroxynaphtholic arylides, Manufacture of sulphonamides of. J. B. Payman and H. Wignall. 1,663,725; Mar. 27.
- Tying device. E. B. Hoover. 1,666,623; Apr. 17.
- Tying device. I. W. Wooley. 1,668,033; May 1.
- Tying weavers' knots. B. A. Peterson. 1,664,571; Apr. 3.
- Type-bar carrier. F. C. Streb and E. Ayer. 1,657,726; Jan. 31.
- Type bearer. A. A. Wilson. 1,691,693; Nov. 13.
- Type carriers, Method and apparatus for the aligning of. A. A. Egli. 1,678,694; July 31.
- Type-casting machines and the like, Molding means for. H. J. Megley. 1,655,913; Jan. 10.
- Type-casting machines, Puddling device for. G. L. Curle. 1,669,456; May 15.
- Type-casting mold. W. E. Kier. 1,693,036; Nov. 27.
- Type chase. C. E. and F. A. Putnam. 1,687,951; Oct. 16.
- Type-composing board. F. H. Poeppelmeier. 1,686,031; Oct. 2.
- Type-composing machine. F. H. Poeppelmeier. 1,672,953; June 12.
- Type ejector for composing machines. F. H. Poeppelmeier. 1,675,350; June 26.
- Type flow meter, Rotary-. W. W. Hamill. 1,684,350; Sept. 11.
- Typegraphical machine. G. E. Marlatt. 1,679,317; July 31.
- Type-impression devices, Intermittent pressure mechanism for. W. H. Sinclair. 1,654,708; Jan. 3.
- Type, Multigraph. J. C. Norwood. 1,679,261; July 31.
- Type or type blocks, Producing. E. M. von Marchthal. 1,671,620; May 29.
- Type-page lock, Temporary. E. Williamson. 1,682,698; Aug. 28.
- Type-printing telegraphy and other purposes, Selecting mechanism for. T. J. Berryman. 1,690,324; Nov. 6.
- Typesetting and line-casting machine. W. Buswell. 1,663,541; Mar. 27.
- Typesetting machine. R. C. Adams. 1,669,366; May 8.
- Type-setting machines, Composing apparatus for. R. Barrennes. 1,696,515; Dec. 25.
- Typesetting machines, Elevator-control attachment for. D. P. McLaughlin. 1,686,189; Oct. 2.
- Typesetting machines, Matrix-assembler chute block, rails, and filling piece for. W. T. Ivins. 1,655,702; Jan. 10.
- Type-setting machines, Sectional mold liner for. F. C. Essex and J. E. Maxson. 1,666,595; Apr. 17.
- Typewriter. F. Alexander. 1,669,800; May 15.
- Typewriter. J. M. Angeletti. 1,685,391; Sept. 25.
- Typewriter. J. H. Barr. 1,674,273; June 19.
- Typewriter. O. A. Hokanson. 1,657,626; Jan. 31.
- Typewriter. O. A. Hokanson. 1,691,063; Nov. 13.
- Typewriter. O. A. Hokanson. 1,695,492; Dec. 18.
- Typewriter. S. Ishii. 1,671,722; May 29.
- Typewriter. F. Maulme. 1,656,491; Jan. 17.
- Typewriter. F. W. Müller. 1,686,627; Oct. 9.
- Typewriter. C. D. Youngberg. 1,677,315; July 17.
- Typewriter and the like. W. E. Barnard. 1,677,165; July 17.
- Typewriter-attaching device. E. B. Linstrom. 1,660,648; Feb. 28.
- Typewriter, Automatic. R. G. Thompson. 1,688,364; Oct. 23.
- Typewriter construction. F. R. Friedrich. 1,683,770; Sept. 11.
- Typewriter copyholder and line marker. P. L. Blake. 1,675,784; July 8.
- Typewriter, Flat-platen. H. A. Foothorap. 1,691,236; Nov. 13.
- Typewriter, Graduating character spacing in a. K. C. and J. W. O'Bryan. 1,693,797; Dec. 4.
- Typewriter-key punch. A. Welland, H. R. Russell, and C. A. Mezger. 1,682,451; Aug. 28.
- Typewriter keyboard. E. S. Larson and F. L. Dinsmore. 1,687,904; Oct. 16.
- Typewriter or the like machine, Line-printing. W. Schäfer. 1,690,879; Nov. 6.
- Typewriter platen. C. T. Dickey. 1,668,194; May 1.
- Typewriter platen and producing the same. C. T. Dickey. 1,671,763; May 29.
- Typewriter, Power. O. Tyberg. 1,672,354; June 5.
- Typewriters and the like, Space-graduating mechanism for. K. C. and J. W. O'Bryan. 1,693,796; Dec. 4.
- Typewriters, Back-spacing mechanism for. O. A. Hokanson. 1,667,007; Apr. 24.
- Typewriters, Case-shift mechanism for. C. D. Youngberg. 1,695,520; Dec. 18.
- Typewriters, Device for the erection and keeping of. K. A. A. Johansson. 1,690,822; Nov. 6.
- Typewriters, Escapement mechanism for. A. S. Wheeler. 1,656,460; Jan. 17.
- Typewriters, Line lock for. O. A. Hokanson. 1,655,186; Jan. 3.
- Typewriters, Motor-stopping device for telegraph. E. W. Hewitt, F. J. Maus, and G. Marx. 1,688,711; Oct. 23.
- Typewriters, Power-actuating mechanism for. O. A. Hokanson. 1,688,334; Oct. 23.
- Typewriters, Power operating mechanism for. O. A. Hokanson. 1,685,782; Oct. 2.
- Typewriters, Ribbon-grinding attachment for. M. F. Umstead. 1,662,220; Mar. 13.
- Typewriters, Ribbon-shifting means for. C. Kupfer. 1,669,301; May 8.
- Typewriters, Signaling attachment for. A. Marcellus. 1,658,532; Feb. 7.
- Typewriters, Silencing attachment for. R. G. Daniel. 1,654,922; Jan. 3.
- Typewriters, Stencil-cutting attachment for. N. C. Heaton. 1,660,008; Feb. 21.
- Typewriters, Stencil holder for. O. A. Hokanson. 1,655,957; Jan. 10.
- Typewriters, Typesetting machines, or the like, Apparatus for registering the writing or casting position of line-for-line printing. A. A. Egli. 1,656,106; Jan. 10.
- Typewriters, Work-holding bail for. O. A. Hokanson. 1,689,203; Oct. 30.
- Typewriting and card-perforating machine, Combined. A. G. F. Kurowski. 1,683,979; Sept. 11.
- Typewriting and card-perforating machine, Combined. J. A. B. Smith. 1,680,813; Aug. 14.
- Typewriting and computing machine, Combined. O. Thieme. 1,671,495; May 29.
- Typewriting and computing machine, Combined. H. H. Vickers. 1,694,932; Dec. 11.
- Typewriting and like machine. F. A. Hart. 1,663,374; Mar. 20.
- Typewriting cylinders, Mechanism for revolving. G. V. Newton and E. Blackburn. 1,693,285; Nov. 27.
- Typewriting machine. B. F. Barker. 1,690,848; Nov. 6.
- Typewriting machine. E. E. Barney. 1,666,230; Apr. 17.

- Typewriting machine. E. E. Barney. 1,696,789; Dec. 25.
 Typewriting machine. H. O. Blaisdell. 1,693,705; Dec. 4.
 Typewriting machine. W. G. Bosworth. 1,656,264; Jan. 17.
 Typewriting machine. G. W. Campbell. 1,677,170; July 17.
 Typewriting machine. F. U. Conrad. 1,659,562; Feb. 21.
 Typewriting machine. G. O. Degener. 1,667,773; May 1.
 Typewriting machine. W. A. Dobson. 1,680,135; Aug. 7.
 Typewriting machine. W. A. Dobson. 1,684,820; Sept. 18.
 Typewriting machine. W. A. Dobson. 1,691,922; Nov. 20.
 Typewriting machine. W. A. Dobson. 1,693,708; Dec. 4.
 Typewriting machine. A. B. Ely. 1,692,890; Nov. 27.
 Typewriting machine. A. B. Ely and E. L. Harmon. 1,696,227-8; Dec. 25.
 Typewriting machine. J. Felbel. 1,659,770; Feb. 21.
 Typewriting machine. J. Felbel. 1,680,973; Aug. 14.
 Typewriting machine. H. A. Foothorap. 1,681,978; Aug. 28.
 Typewriting machine. G. G. Goings. 1,661,799; Mar. 6.
 Typewriting machine. G. G. Goings. 1,665,736; Apr. 10.
 Typewriting machine. G. G. Goings. 1,682,330; Aug. 28.
 Typewriting machine. G. G. Goings. 1,691,112; Nov. 18.
 Typewriting machine. G. F. Handley. 1,674,363; June 19.
 Typewriting machine. F. A. Hart. 1,656,672; Jan. 17.
 Typewriting machine. W. F. Helmond. 1,679,901; Aug. 7.
 Typewriting machine. W. F. Helmond. 1,693,144; Nov. 27.
 Typewriting machine. W. P. Helmond. 1,696,236; Dec. 25.
 Typewriting machine. E. B. Hess. 1,659,601; Feb. 21.
 Typewriting machine. E. B. Hess. 1,672,062; June 5.
 Typewriting machine. R. M. Jones. 1,687,939; Oct. 16.
 Typewriting machine. A. G. Kupetz. 1,680,526; Aug. 14.
 Typewriting machine. A. G. F. Kurowski. 1,616,951; May 1.
 Typewriting machine. A. G. F. Kurowski. 1,655,425; Jan. 10.
 Typewriting machine. A. G. F. Kurowski. 1,656,640; Jan. 17.
 Typewriting machine. A. G. F. Kurowski. 1,668,915; May 8.
 Typewriting machine. A. G. F. Kurowski. 1,670,513; May 22.
 Typewriting machine. A. G. F. Kurowski. 1,673,289; June 12.
 Typewriting machine. A. G. F. Kurowski. 1,673,687; June 12.
 Typewriting machine. A. G. F. Kurowski. 1,674,599; June 19.
 Typewriting machine. A. G. F. Kurowski. 1,679,726-7; Aug. 7.
 Typewriting machine. A. G. F. Kurowski. 1,680,153; Aug. 7.
 Typewriting machine. A. G. F. Kurowski. 1,680,527; Aug. 14.
 Typewriting machine. A. G. F. Kurowski. 1,680,793; Aug. 14.
 Typewriting machine. A. G. F. Kurowski. 1,681,243; Aug. 21.
 Typewriting machine. A. G. F. Kurowski. 1,687,026; Oct. 9.
 Typewriting machine. A. G. F. Kurowski. 1,690,825-6; Nov. 6.
 Typewriting machine. A. G. F. Kurowski. 1,690,867; Nov. 6.
 Typewriting machine. A. G. F. Kurowski. 1,694,923; Dec. 11.
 Typewriting machine. A. G. F. Kurowski. 1,696,243; Dec. 25.
 Typewriting machine. H. S. Lasher. 1,686,014; Oct. 2.
 Typewriting machine. H. S. Lasher. 1,693,148-9; Nov. 27.
 Typewriting machine. J. Lindburg. 1,679,873; May 22.
 Typewriting machine. J. Lindburg. 1,679,867; Aug. 7.
 Typewriting machine. J. Lindburg. 1,686,016; Oct. 2.
 Typewriting machine. T. J. McMahon. 1,662,530; Mar. 13.
 Typewriting machine. L. C. Myers. 1,676,278-9; July 10.
 Typewriting machine. L. C. Myers and G. F. Handley. 1,689,888; Oct. 30.
 Typewriting machine. L. A. Nemcovsky. 1,684,801; Sept. 18.
 Typewriting machine. H. L. Pitman. 1,679,741; Aug. 7.
 Typewriting machine. M. W. Pool. 1,671,653; May 29.
 Typewriting machine. G. F. Rose. 1,677,210; July 17.
 Typewriting machine. E. G. Rowley. 1,659,553; Feb. 14.
 Typewriting machine. E. G. Rowley. 1,679,744; Aug. 7.
 Typewriting machine. E. G. Rowley. 1,679,878; Aug. 7.
 Typewriting machine. E. G. Rowley. 1,680,230; Aug. 7.
 Typewriting machine. G. H. Sargent. 1,688,022; Oct. 16.
 Typewriting machine. G. A. Seib. 1,659,370; Feb. 14.
 Typewriting machine. G. A. Seib. 1,689,058; Oct. 23.
 Typewriting machine. J. A. B. Smith. 1,654,901; Jan. 3.
 Typewriting machine. J. A. B. Smith. 1,656,153; Jan. 10.
 Typewriting machine. J. A. B. Smith. 1,656,297; Jan. 17.
 Typewriting machine. J. A. B. Smith. 1,661,311; Mar. 6.
 Typewriting machine. J. A. B. Smith. 1,665,285; Apr. 10.
 Typewriting machine. J. A. B. Smith. 1,670,126; May 15.
 Typewriting machine. J. A. B. Smith. 1,680,481; Aug. 14.
 Typewriting machine. J. A. B. Smith. 1,684,155; Sept. 11.
 Typewriting machine. J. A. B. Smith. 1,688,760; Oct. 23.
 Typewriting machine. J. A. B. Smith. 1,690,844; Nov. 6.
 Typewriting machine. J. A. B. Smith. 1,694,519; Dec. 11.
 Typewriting machine. H. H. Steele. 1,688,359; Oct. 23.
 Typewriting machine. B. C. Stickney. 1,668,175-6; May 1.
 Typewriting machine. B. C. Stickney. 1,671,053; May 22.
 Typewriting machine. B. C. Stickney. 1,679,951-2; Aug. 7.
 Typewriting machine. B. C. Stickney. 1,680,483; Aug. 14.
 Typewriting machine. B. C. Stickney. 1,683,582; Sept. 4.
 Typewriting machine. B. C. Stickney. 1,693,533; Nov. 27.
 Typewriting machine. L. A. Thatcher. 1,681,312; Aug. 21.
 Typewriting machine. L. A. Thatcher. 1,683,425; Sept. 4.
 Typewriting machine. O. Thieme. 1,681,266; Aug. 21.
 Typewriting machine. R. W. Uhlig. 1,676,809; July 10.
 Typewriting machine. J. Waldheim. 1,654,906; Jan. 3.
 Typewriting machine. J. Waldheim. 1,659,225; Feb. 14.
 Typewriting machine. J. Waldheim. 1,673,272; June 12.
 Typewriting machine. J. Waldheim. 1,675,436; July 3.
 Typewriting machine. J. Waldheim. 1,679,845; Aug. 7.
 Typewriting machine. J. Waldheim. 1,680,122-4; Aug. 7.
 Typewriting machine. J. Waldheim. 1,688,030; Oct. 16.
 Typewriting machine. J. Waldheim. 1,688,166; Oct. 16.
 Typewriting machine. J. Waldheim. 1,688,367; Oct. 23.
 Typewriting machine. S. L. Walsoe. 1,663,362; Mar. 20.
 Typewriting-machine frame, Portable. L. A. Nemcovsky. Des. 76,626; Oct. 16.
 Typewriting machine, Line-by-line. A. A. Egli. 1,683,964; Sept. 11.
 Typewriting machines, Apparatus for holding work webs for. J. Waldheim. 1,675,740; July 3.
 Typewriting machines, Escapement mechanism in. J. D. Murphy. 1,674,054; June 19.
 Typewriting machines, Paper finger for. F. W. Hillard. 1,687,208; Oct. 9.
 Typewriting machines, Printing mechanism for. W. A. Valentine. 1,668,472; May 1.
 Typing machines, Position indicator for. L. T. Mathews. 1,655,428; Jan. 10.
 Typographical assembling and distributing machine. G. E. Marlatt. 1,679,318; July 31.
 Typographical casting machine. D. S. Kennedy. 1,674,727; June 26.
 Typographical composing and casting machines, Production of accented characters in. W. M. Bowler. 1,657,494; Jan. 31.
 Typographical composing and distributing machine. J. R. Rogers. 1,661,504; Mar. 6.
 Typographical composing and distributing machines, Distributing mechanism of. T. Drake. 1,671,150; May 29.
 Typographical composing machines, Assembling mechanism of. T. Drake. 1,671,149; May 29.
 Typographical composing machines, Escapement-actuating mechanism of. C. Muhleisen. 1,666,944; Apr. 24.
 Typographical distributing bar. G. E. Marlatt. 1,676,196; July 3.
 Typographical distributing machine. A. W. F. Guest. 1,660,995; Feb. 28.
 Typographical distributing machine. G. E. Marlatt. 1,659,886; Feb. 21.
 Typographical distributing machine. G. E. Marlatt. 1,674,684; June 26.
 Typographical distributing mechanism. A. J. Stouges. 1,656,543; Jan. 17.
 Typographical line-casting machines, Molds for. T. Drake. 1,657,247; Jan. 24.
 Typographical machine. G. A. Doxey. 1,660,991; Feb. 28.
 Typographical machine. A. W. F. Guest. 1,665,261; Apr. 10.
 Typographical machine. D. S. Kennedy. 1,665,268; Apr. 10.
 Typographical machine. G. P. Kingsbury. 1,691,849; Nov. 13.
 Typographical machine. G. P. Kingsbury. 1,692,214; Nov. 20.
 Typographical machine. G. E. Marlatt. 1,659,885; Feb. 21.
 Typographical machine. G. E. Marlatt. 1,676,959; July 10.
 Typographical machine. G. E. Marlatt. 1,681,671-2; Aug. 21.
 Typographical machine. J. G. McNamara. 1,664,258; Mar. 27.
 Typographical machine. S. E. Sperry. 1,660,238; Feb. 21.
 Typographical machines, Attachment for. W. S. Austin. 1,676,516; July 10.
 Typographical machines, Composing stick for matrices of. E. E. Beard. 1,655,687; Jan. 10.
 Typographical machines, Detachable matrix-storage magazine for. S. Rich. 1,659,121; Feb. 14.
 Typographical machines, Elevator for. A. M. Berry. 1,689,991; Oct. 30.
 Typographical machines, Indention device. B. M. Nees and Z. Rubottom. 1,662,934; Mar. 20.
 Typographical machines, Matrix assembler for. E. M. Goodbody. 1,657,962; Jan. 31.

- Typographical machines, Safety stop means for. W. Peterson. 1,687,385; Oct. 9.
- Typographical machines, Slug-casting mold for. G. E. Marlatt. 1,670,545; May 22.
- Typographical machines, Space band transfer means for. R. R. Mead. 1,671,155; May 29.
- Typographical machines, Tabulating attachment for. A. J. Belokopytoff. 1,656,938; Jan. 24.
- Udder protector. C. T. Jenkins. 1,663,408; Mar. 20.
- Ukulele. H. E. Hall. 1,692,207; Nov. 20.
- Ukulele. M. A. Healy. Des. 75,494; Jan. 12.
- Ukulele. S. K. Kamaka. Des. 74,178; Jan. 3.
- Ullage rod. R. S. Philen. 1,658,536; Feb. 7.
- Ultrahigh-frequency generator. R. S. Ohl. 1,656,987; Jan. 24.
- Ultra-violet region from mercury-vapor lamps, Increasing the emission in the. H. George. 1,671,109; May 29.
- Umbrella. O. Jensen. 1,684,628; Sept. 18.
- Umbrella. O. Knapp. 1,659,738; Feb. 21.
- Umbrella. F. B. McKinney. 1,692,461-2; Nov. 20.
- Umbrella. F. E. Sincere. 1,695,826; Dec. 18.
- Umbrella. W. T. Wiedel. 1,693,536; Nov. 27.
- Umbrella. A. A. Zwibel. 1,678,414; July 24.
- Umbrella and cane rack. I. Hirtz and V. Oliveri. 1,665,590; Apr. 10.
- Umbrella, Collapsible. H. Haupt. 1,667,784; May 1.
- Umbrella, Emergency. H. O. Gottesman. 1,677,520; July 17.
- Umbrella, Folding. A. J. Danielson. 1,671,411; May 29.
- Umbrella, Folding. H. Epstein. 1,666,692; Apr. 17.
- Umbrella holder. A. L. Lauby. 1,657,263; Jan. 24.
- Umbrella, parasol, and the like. A. Ryder. 1,672,909; June 12.
- Umbrella rib and spreader structure and producing the same. F. Fabbrin. 1,693,943; Dec. 4.
- Umbrella, Self-closing. E. Cullmann. 1,680,090; Aug. 7.
- Umbrella stand. E. Hauser. Des. 75,725; July 10.
- Umbrella tip guard, Reversible. G. Schlemmer. 1,672,626; June 5.
- Umbrellas or canes, Light for. J. H. Beatty. 1,659,346; Feb. 14.
- Uncoiler and operating the same. L. Johnson. 1,657,309; Jan. 24.
- Uncoupling device for railway-car couplers. G. G. Gilpin. 1,688,141; Oct. 16.
- Undercarriage for aircraft. A. H. G. Fokker. 1,680,511; Aug. 14.
- Undercarriage for motor vehicles. C. Waseige. 1,675,071; June 26.
- Underclearer roll. N. E. Lucas. 1,654,940; Jan. 3.
- Underfeed furnace. R. B. Mildon. 1,664,082; Mar. 27.
- Underfloor duct system. H. S. Walker. 1,693,682; Dec. 4.
- Underframe for automobile vehicles. O. Windberger. 1,694,112; Dec. 4.
- Underframe for well cars. W. M. Sheehan. 1,696,332; Dec. 25.
- Undergarment. J. H. Crossingham. 1,679,206; July 31.
- Undergarment. L. T. Dwyer. 1,660,222; Feb. 21.
- Undergarment. S. Erickson. 1,655,812; Jan. 10.
- Undergarment. C. W. Hutchinson. 1,661,072; Feb. 28.
- Undergarment. M. Morris. 1,655,379; Jan. 3.
- Undergarment. O. B. Olmstead. 1,673,881; June 19.
- Undergarment. B. E. Page. 1,662,326; Mar. 18.
- Undergarment. M. S. Wagner. 1,667,364; Apr. 24.
- Undergarment. C. N. Winship. 1,688,910; Oct. 23.
- Undergarment, Combination. R. McCabe. 1,659,406; Feb. 14.
- Undergarment, Combination. M. B. C. Vizzard. 1,655,300; Jan. 3.
- Undergarment construction. I. G. Hudson. 1,664,214; Mar. 27.
- Undergarment, Lady's. S. R. McBride. 1,674,909; June 26.
- Undergarment, Lady's combination. K. Schmutzler. 1,661,350; Mar. 6.
- Undergarment, Man's. A. and E. H. Ruden. 1,673,092; June 12.
- Undergarment or vest, Lady's. J. Scherfer and I. L. Kane. 1,675,056; June 26.
- Undergarment, Union. J. A. Morton. 1,665,505; Apr. 10.
- Undergarments of inelastic material, Making. M. D. Neilson. 1,680,267; Aug. 7.
- Underreamer. C. H. Brown. 1,659,514; Feb. 14.
- Underreamer. C. H. Brown. 1,677,812; July 17.
- Underreamer. E. S. Hartson. 1,663,048; Mar. 20.
- Underreamer. W. H. Hazlett. 1,674,040; June 19.
- Underreamer. A. G. Heggem. 1,656,436; Jan. 17.
- Underreamer. C. E. Reed. 1,655,108; Jan. 3.
- Underreamer. B. F. Waldron. 1,662,138; Mar. 13.
- Underreamer, Expandable rotary. J. T. Phipps. 1,678,075; July 24.
- Underreamer, Hydraulic. B. F. Blanchard. 1,675,325; July 3.
- Underreamer, Rotary. S. L. Campbell. 1,667,190; Apr. 24.
- Underreamer, Water-pressure. F. W. Jones. 1,671,474; May 29.
- Underwear. L. Rubin. 1,662,400; Mar. 13.
- Underwear, Women's and misses'. J. Di Cio. 1,674,618; June 19.
- Unidirectional movement, Device for imparting. L. A. Mullen and J. Jackevich. 1,671,481; May 29.
- Uniflow engine. H. A. Chuse. 1,678,209; July 24.
- Uniform quantity of oil in the crank case of an automobile, Device for maintaining a. E. A. Rogers. 1,670,988; May 22.
- Union garment. J. Rifkin. 1,667,220; Apr. 24.
- Union suit. G. B. Rutledge. 1,657,094; Jan. 24.
- Unit for use in the manufacture of separable cuff links. S. Fischer. 1,675,797; July 3.
- Unit heater. C. M. Garland. 1,687,240; Oct. 9.
- Unit-measuring machines, Cup-depositing mechanism for. C. N. Bergmann and E. Z. and C. Taylor. 1,690,920; Nov. 6.
- Universal bar. J. H. Barr. 1,684,430; Sept. 18.
- Universal coupling. I. C. Jennings. 1,685,815; Oct. 2.
- Universal coupling. F. W. Peters. 1,694,926; Dec. 11.
- Universal curve device. N. E. Klein. 1,690,540; Nov. 6.
- Universal joint. G. W. Benedict. 1,685,446; Sept. 25.
- Universal joint. S. J. Boughton. 1,673,452; June 12.
- Universal joint. E. G. Burns. 1,667,455; Apr. 24.
- Universal joint. C. D. Cutting. 1,670,612; May 22.
- Universal joint. C. D. Cutting. 1,672,484; June 5.
- Universal joint. C. D. Cutting. 1,693,593-4; Dec. 4.
- Universal joint. E. R. Degener. 1,679,076; July 31.
- Universal joint. D. F. Domizi. 1,680,095; Aug. 7.
- Universal joint. E. P. Edwards. 1,692,638; Nov. 20.
- Universal joint. H. C. Heon. 1,686,695; Oct. 9.
- Universal joint. H. C. Lord. 1,695,116; Dec. 11.
- Universal joint. E. Noel. 1,685,859; Oct. 2.
- Universal joint. F. B. Pedersen and H. P. Andersen. 1,655,332; Jan. 3.
- Universal joint. A. H. Rzeppa. 1,665,280; Apr. 10.
- Universal joint. C. E. Swenson. 1,673,925; June 19.
- Universal joint. W. H. Thieme. 1,685,509-10; Sept. 25.
- Universal joint. A. Weiland. 1,656,715; Jan. 17.
- Universal joint. A. Weiland. 1,657,291; Jan. 24.
- Universal joint. A. Weiland. 1,658,750; Feb. 7.
- Universal joint. A. Weiland. 1,676,676; July 10.
- Universal joint. C. W. Weiss. 1,665,241; Apr. 10.
- Universal joint. C. W. Weiss. 1,677,311; July 17.
- Universal joint. T. S. Witkoff. 1,670,175; May 15.
- Universal joint. M. W. Wysong. 1,679,700; Aug. 7.
- Universal lock. F. C. Vom Bruck. 1,683,744; Sept. 11.
- Unloader. B. S. Aikman. 1,668,795; May 8.
- Unloader mechanism, Compressor. F. A. Muller and L. L. Basberg. 1,663,214; Mar. 20.
- Unloader, Poultry-coop. A. Miller. 1,686,099; Oct. 2.
- Unloading apparatus, Car. W. E. Dickinson and J. J. Morgan. 1,678,245; July 24.
- Unloading device for conveying systems. E. F. De Potter. 1,679,412; Aug. 7.
- Unloading device for slitter and rewinding machines. P. D. Parsons. 1,675,863; July 3.
- Unloading machine. F. W. Horstkotte. 1,683,779; Sept. 11.
- Unloading machine. F. W. Horstkotte. 1,686,088; Oct. 2.
- Unloading machine. S. Nagao. 1,676,041; July 3.
- Unloading system. H. V. Haight. 1,662,918; Mar. 20.
- Unwinding device, Material. S. E. Borgeson. 1,677,167; July 17.
- Unwinding device, Material. J. N. Selvig. 1,677,217; July 17.
- Unwinding of yarn from bobbins, Device to prevent. E. Jacob. 1,695,378; Dec. 18.
- Upholstered chair. I. Salomon. Des. 75,519; June 12.
- Upholstering. H. P. Faris. 1,695,581; Dec. 18.
- Upholstering, Mounting. E. Stein. 1,671,452; May 29.
- Upholstery construction. M. Krause. 1,678,474; July 24.
- Upholstery fabric, Artificial-horsehair. A. Brandt. 1,676,886; July 10.
- Upholstery-filling device. C. F. Coda. 1,665,907; Apr. 10.
- Upholstery-filling device. G. C. McCullough. 1,669,721; May 15.
- Upholstery for automobile doors, Removable. J. Ledwinka. 1,681,941; Aug. 28.
- Upholstery machine. H. M. Scott. 1,687,393; Oct. 9.
- Upholstery strip. A. L. Howard. 1,659,294; Feb. 14.
- Upholstery, Webbing support for. K. Balikian. 1,689,100; Oct. 23.
- Upper-shaping machine. A. F. Pym. 1,678,873; July 31.
- Uppers and insoles, Apparatus for use in assembling. F. Ricks and J. Gouldbourn. 1,694,449; Dec. 11.
- Uppers and insoles, Assembling. F. Ricks and J. Gouldbourn. 1,694,450; Dec. 11.
- Upper-shaping machine. A. F. Pym. 1,693,119; Nov. 27.
- Upright drill, Box-column-type. D. C. Klausmeyer. 1,682,844; Sept. 4.
- Upright for an andiron. O. B. Bach. Des. 75,893; July 31.
- Upsetting device. W. H. Felding. 1,683,661; Sept. 11.
- Upsetting or jolting machine, Electric. F. Brero. 1,692,327; Nov. 20.
- Urea and formaldehyde, Resinous reaction product of. F. Lauter. 1,672,848; June 5.
- Urea and formaldehyde under pressure, Condensation of. A. Gams and G. Widmer. 1,674,199; June 19.
- Urea and solid polymers of formaldehyde and making such products, Condensation products obtained from. F. E. K. Steppes. 1,658,359; Feb. 7.
- Urea-formaldehyde condensation products, Manufacturing. K. Ripper. 1,687,312; Oct. 9.
- Urea from carbonic anhydride and synthetic ammonia, Preparation of. L. Casale. 1,670,341; May 22.
- Urea, Manufacture of pure. L. Bub. 1,659,190; Feb. 14.
- Urease preparation. O. Lind. 1,679,250; July 31.
- Urinal. C. J. Bruner. 1,672,748; June 5.

- Urinal. E. Flagg. 1,675,263; June 26.
Urinal for automobiles and the like. G. N. Randle. 1,664,642; Apr. 3.
Urinals, Painting. J. Oesch. 1,665,859; Apr. 10.
Urn and biggin, Coffee. P. G. Rousseas. 1,695,347; Dec. 18.
Urn, Coffee. T. H. Jones. 1,687,095; Oct. 9.
Urn, Coffee. A. Kleinlercher. 1,680,792; Aug. 14.
Urn, Coffee. K. Levi. 1,686,283; Oct. 2.
Urn, Coffee. H. Marcuson. 1,694,543; Dec. 11.
Urn, Coffee. L. Wertheimer. 1,677,221; July 17.
Urn, Electric combination. A. T. Gruenberg. 1,668,312; May 1.
Urn or similar article, Beverage. B. Branston. Des. 75,473; June 12.
Utensil, Brewing. A. E. Silver. 1,664,226; Mar. 27.
Utensil, Combination shaving. C. R. Redheffer. 1,673,590; June 12.
Utensil, Culinary. G. Frost. 1,660,748; Feb. 28.
Utensil, Culinary. G. J. Simon. 1,661,974; Mar. 6.
Utensil, Dairy. D. W. Stoven. 1,684,047; Sept. 11.
Utensil for forming meat loaves. R. D. Spaulding. 1,680,816; Aug. 14.
Utensil for molding sugar sweetmeats. H. McAllister. 1,661,227; Mar. 6.
Utensil, Smoking. L. R. Waugh. 1,657,290; Jan. 24.
Utensils, Attachment for cooking. A. E. Paddison. 1,673,947; June 19.
Utility bag. W. B. Kitterman and F. H. Mills. 1,683,678; Sept. 11.
Utility case. F. Philipp. 1,677,653; July 17.
Utility drive. W. H. Himes. 1,669,560; May 15.
Vacuum air separator. L. Lindsay. 1,675,941; July 3.
Vacuum bottles or carafes, Forming metal. W. Wagner. 1,673,653; June 12.
Vacuum brake. W. O. Kennington. 1,680,549; Aug. 14.
Vacuum cleaner. P. Daddio. 1,689,580; Oct. 30.
Vacuum cleaner. H. G. Ferber and J. A. Luyben. 1,676,858; July 10.
Vacuum cleaner. J. K. Johnson. 1,677,921; July 24.
Vacuum cleaner. E. C. Killebrew. 1,686,410; Oct. 2.
Vacuum cleaner. W. L. Lindgren. 1,674,254; June 19.
Vacuum cleaner. J. F. Morgal. 1,689,497; Oct. 30.
Vacuum cleaner. V. L. Olson. 1,691,988; Nov. 20.
Vacuum cleaner. T. Proctor. 1,693,050; Nov. 27.
Vacuum cleaner. D. U. Remaley. 1,666,915; Apr. 24.
Vacuum cleaner. A. C. Teves. 1,689,089; Oct. 23.
Vacuum cleaner. M. Witt. 1,689,811; Oct. 30.
Vacuum cleaner and polisher, Combined. J. W. Gernandt. 1,688,580; Oct. 23.
Vacuum-cleaner attachment. L. Baar. 1,661,553; Mar. 6.
Vacuum-cleaner attachment. W. S. Simpson. 1,685,299; Sept. 25.
Vacuum-cleaner attachment. D. Tonso. 1,658,311; Feb. 7.
Vacuum cleaner, Attachment for. W. L. Desnoyers. 1,657,111; Jan. 24.
Vacuum-cleaner brushes and the like, Bearing construction for. H. T. Lang. 1,664,218; Mar. 27.
Vacuum-cleaner handle. B. J. Tamarin. Des. 75,815; July 17.
Vacuum cleaning attachment for motor vehicles. L. F. Beaulieu. 1,657,707; Jan. 31.
Vacuum cleaners, Attachment for. C. Aalborg. 1,668,036; May 1.
Vacuum cleaners, Attachment for. A. A. Serva. 1,673,920; June 19.
Vacuum cleaners, Cord hook for. J. V. Doherty. 1,670,715; May 22.
Vacuum cleaners, lamps, and the like, Cord holder for. H. O. Briggs. 1,665,200; Apr. 10.
Vacuum cleaners, Polishing attachment for. G. W. Fleming. 1,667,729; May 1.
Vacuum control mechanism for pulp-molding machines and the like. J. F. Low. 1,680,893; Aug. 14.
Vacuum device. W. D. Coolidge. 1,694,967; Dec. 11.
Vacuum device and exhausting same. H. C. Rentschler. 1,689,297; Oct. 30.
Vacuum discharge apparatus. W. Daumann. 1,684,947; Sept. 18.
Vacuum discharge devices by alternating current, Energizing. R. A. Heising. 1,696,233; Dec. 25.
Vacuum electric-tube device. E. Y. Robinson. 1,689,971; Oct. 30.
Vacuum electric tube device. E. Y. Robinson and W. J. Brown. 1,664,225; Mar. 27.
Vacuum feed system. G. C. Nelson. 1,687,175; Oct. 9.
Vacuum-feed system. G. C. Nelson. 1,690,202; Nov. 6.
Vacuum-filter liquid guard. G. S. Backus. 1,654,717; Jan. 3.
Vacuum-jacketed vessel. O. T. K. Schmidt. 1,690,880; Nov. 6.
Vacuum lifter. L. Jones. 1,691,198; Nov. 13.
Vacuum meter, Hot-wire. W. Dällenbach. 1,668,106; May 1.
Vacuum oil treater. J. S. Sanders. 1,659,983; Feb. 21.
Vacuum-operated liquid-lifting device. T. F. Spackman. 1,690,140; Nov. 6.
Vacuum-operated register. L. Birkett. 1,656,134; Jan. 10.
Vacuum pressure device and mask. W. C. Huebner. 1,675,492; July 3.
Vacuum-producing apparatus. J. B. Charette. 1,658,797; Feb. 14.
Vacuum seal. W. P. Feeney. 1,693,374; Nov. 27.
Vacuum-sealing cap. W. J. Peelle. 1,662,435; Mar. 13.
Vacuum tank. H. O. Burgin. 1,668,394; May 1.
Vacuum tank. E. G. Burns. 1,676,767; July 10.
Vacuum tank. C. S. Nelson. 1,682,141; Aug. 28.
Vacuum tank. E. C. Richard. 1,655,162; Jan. 3.
Vacuum tank. H. G. Ritchey. 1,662,282; Mar. 13.
Vacuum tube. A. H. Allen, jr. 1,660,025; Feb. 21.
Vacuum tube. C. E. Fitch. 1,681,329; Aug. 21.
Vacuum tube. E. W. Engle. 1,688,489; Oct. 23.
Vacuum tube. V. F. Greaves. 1,657,208; Jan. 24.
Vacuum tube. W. T. Hawes. 1,670,356; May 22.
Vacuum tube. A. H. Jahn. 1,666,858; Apr. 17.
Vacuum tube. H. E. Metcalf. 1,655,619; Jan. 10.
Vacuum tube. H. E. Metcalf and V. F. Greaves. 1,657,221; Jan. 24.
Vacuum tube. G. H. Perryman. 1,655,820; Jan. 10.
Vacuum tube. M. Renner. 1,658,653; Feb. 7.
Vacuum tube. W. A. Rhodes and D. Bellar. 1,666,833; Apr. 17.
Vacuum tube. E. Y. Robinson. 1,677,850; July 17.
Vacuum tube. E. Y. Robinson. 1,677,851; July 17.
Vacuum tube and associated element. W. H. T. Holden. 1,690,167; Nov. 6.
Vacuum tube and constructing the same. H. E. Metcalf. 1,657,636; Jan. 31.
Vacuum tube and socket. J. J. Kuhn. 1,690,232; Nov. 6.
Vacuum tube and the like. E. Y. Robinson. 1,689,970; Oct. 30.
Vacuum tube and transformer, combined. A. Mutscheller. 1,662,891; Mar. 20.
Vacuum-tube apparatus and controlling same. C. L. Farland. 1,656,187; Jan. 17.
Vacuum-tube circuits. R. L. Davis. 1,656,098; Jan. 10.
Vacuum-tube circuits. E. W. Kellogg. 1,654,976-7; Jan. 3.
Vacuum-tube circuits. D. C. Prince. 1,654,945; Jan. 3.
Vacuum-tube contact device. J. C. Farley. 1,675,485; July 3.
Vacuum-tube control. A. A. Oswald. 1,671,205; May 29.
Vacuum-tube control device. J. H. Pressley. 1,677,727; July 17.
Vacuum-tube device. I. E. Mouromtseff. 1,678,870; July 31.
Vacuum tube, Equipotential cathode. R. S. Ohl. 1,686,570; Oct. 9.
Vacuum-tube-evacuating apparatus. A. A. Grothe. 1,688,329; Oct. 23.
Vacuum tube for the production of soft X rays. K. W. Daumann. 1,688,854; Oct. 23.
Vacuum tube, Multifilament. J. Greger. 1,660,122; Feb. 21.
Vacuum-tube structure. H. M. Freeman. 1,673,560; June 12.
Vacuum-tube system, High-voltage. A. A. Oswald. 1,671,204; May 29.
Vacuum tube, Thermionic. J. D. Jordan. 1,685,326; Sept. 25.
Vacuum tubes, Adapter for. C. R. Phiffer. 1,685,767; Sept. 25.
Vacuum tubes, Contact-protecting means for. S. G. Sears. 1,684,973; Sept. 18.
Vacuum tubes, Filament support for. H. E. Metcalf. 1,657,637; Jan. 31.
Vacuum tubes, Filament support for. D. A. Mullaney. 1,662,032; Mar. 6.
Vacuum tubes, Vibration dampener for. H. E. Metcalf. 1,695,600; Dec. 18.
Vacuum vessel sealing. H. M. Badger. 1,691,912; Nov. 20.
Vacuumizing and double seaming. C. Pickles. 1,689,641; Oct. 30.
Vacuums, Obtaining. C. W. Balke. 1,691,177; Nov. 13.
Valance. R. G. Seelhoff. Des. 75,389; May 29.
Valance for window draperies. R. J. Murray. Des. 74,754-6; Mar. 20.
Valance for window draperies. R. J. Murray. Des. 75,278-80; May 22.
Valance or similar article. J. F. Newton. Des. 74,237; Jan. 10.
Valance, Window. F. E. and J. E. Hood and A. G. Morrison. 1,690,298; Nov. 6.
Valve. S. M. Akeyson and J. J. Ferlin. 1,654,772; Jan. 3.
Valve. B. B. Annis. 1,683,322; Sept. 4.
Valve. J. H. Appleton. 1,667,999; May 1.
Valve. C. C. Arrasmith and H. D. Markwell. 1,656,132; Jan. 10.
Valve. C. G. Atkinson. 1,674,879; June 26.
Valve. H. E. Atkinson. 1,681,209; Aug. 21.
Valve. C. L. Bastian. 1,662,291; Mar. 13.
Valve. J. A. Bishop. 1,683,153-4; Sept. 4.
Valve. W. H. Bristol. 1,659,388; Feb. 14.
Valve. F. Britt. 1,689,321; Oct. 30.
Valve. F. L. Bryant. 1,688,035; Oct. 16.
Valve. E. H. Bucknell and R. E. Bletcher. 1,656,772; Jan. 17.
Valve. J. O. Carrey. 1,657,739; Jan. 31.
Valve. J. H. Cook. 1,691,626; Nov. 13.
Valve. L. V. Crow. 1,672,114; June 5.
Valve. J. P. Crowley. 1,667,141; Apr. 24.
Valve. J. P. Crowley. 1,695,536; Dec. 18.
Valve. E. W. Davis. 1,682,891; Sept. 4.
Valve. P. P. Dean. 1,672,603; June 5.
Valve. P. P. Dean. 1,694,809; Dec. 11.
Valve. H. W. Dennis. 1,677,126; July 17.
Valve. F. C. Devereux. 1,657,663; Jan. 31.

- Valve. G. F. De Wein. 1,671,069; May 22.
 Valve. C. B. Drake. 1,657,493; Oct. 16.
 Valve. C. B. Drake. 1,687,548; Oct. 16.
 Valve. L. W. Eggleston. 1,667,698; Apr. 24.
 Valve. L. W. Eggleston. 1,681,157; Aug. 14.
 Valve. L. W. Eggleston. 1,692,770; Nov. 20.
 Valve. K. A.ENZ. 1,656,183-5; Jan. 17.
 Valve. O. P. Erickson. 1,681,328; Aug. 21.
 Valve. W. M. Fleming. 1,676,179; July 3.
 Valve. W. Fraser, jr. 1,675,172; June 26.
 Valve. L. C. Gerlinger. 1,696,896; Dec. 25.
 Valve. C. H. Graesser and E. B. Crocker. 1,668,453; May 1.
 Valve. L. L. Haas. 1,674,328; June 19.
 Valve. F. A. Halleck. 1,659,814; Feb. 21.
 Valve. F. H. Hamilton. 1,694,777; Dec. 11.
 Valve. H. Haneberg. 1,679,081; July 31.
 Valve. F. S. Harper. 1,694,978; Dec. 11.
 Valve. E. C. Harris. 1,667,208; Apr. 24.
 Valve. J. E. Hart. 1,681,233; Aug. 21.
 Valve. J. S. Haug. 1,672,124; June 5.
 Valve. G. E. Hazard. 1,688,185; Oct. 16.
 Valve. A. G. Heggem. 1,695,014; Dec. 11.
 Valve. R. H. Henemier. 1,672,489; June 5.
 Valve. R. Hill. 1,676,330; July 10.
 Valve. I. R. Hippenmeyer. 1,672,258; June 5.
 Valve. J. H. Hodgart and A. W. Brydon. 1,693,177; Nov. 27.
 Valve. H. A. Hoeschen. 1,673,824; June 19.
 Valve. C. and A. P. Horn. 1,668,455; May 1.
 Valve. J. C. Howard. 1,694,598; Dec. 11.
 Valve. L. B. Jones and E. H. Werzner. 1,676,903; July 10.
 Valve. E. Kener, jr. 1,662,191; Mar. 13.
 Valve. F. E. Key. 1,683,555; Sept. 4.
 Valve. W. H. Kniskern. 1,658,292; Feb. 7.
 Valve. O. C. Kuehne. 1,657,404; Jan. 24.
 Valve. O. C. Kuehne. 1,673,831; June 19.
 Valve. H. E. La Bour. 1,679,907; Aug. 7.
 Valve. F. J. Laird. 1,675,979; July 3.
 Valve. J. D. Lalor. 1,656,280; Jan. 17.
 Valve. J. W. Langdon. 1,676,034; July 3.
 Valve. C. W. Larnier. 1,679,774; Aug. 7.
 Valve. O. Larsen. 1,672,223; June 5.
 Valve. S. C. Lawlor. 1,684,837; Sept. 18.
 Valve. F. E. Lumley. 1,666,629; Apr. 17.
 Valve. J. Machtoff. 1,658,810; Feb. 14.
 Valve. F. R. McGee. 1,678,867; July 31.
 Valve. A. McGregor. 1,677,357; July 17.
 Valve. W. J. Mead. 1,661,190; Mar. 6.
 Valve. J. F. Mincher. 1,671,306; May 29.
 Valve. F. O. Nelson. 1,690,027; Oct. 30.
 Valve. J. Netteman. 1,681,553; Aug. 21.
 Valve. E. F. Niedecken. 1,669,772; May 15.
 Valve. S. J. Nordstrom. 1,671,101; Oct. 9.
 Valve. S. J. Nordstrom. 1,662,892; Mar. 20.
 Valve. S. J. Nordstrom. 1,668,168; May 1.
 Valve. S. J. Nordstrom. 1,671,603; May 29.
 Valve. S. J. Nordstrom. 1,679,370; Aug. 7.
 Valve. S. J. Nordstrom. 1,683,257; Sept. 4.
 Valve. S. J. Nordstrom. 1,689,799; Oct. 30.
 Valve. S. J. Nordstrom. 1,696,726; Dec. 25.
 Valve. J. H. North. 1,682,624; Aug. 28.
 Valve. N. Palmatty. 1,673,948; June 19.
 Valve. H. P. Parrigin. 1,659,743; Feb. 21.
 Valve. F. E. Raymond. 1,696,452; Dec. 25.
 Valve. M. Resek. 1,677,598; July 17.
 Valve. M. F. Richardson. 1,681,364; Aug. 21.
 Valve. E. T. Roberts. 1,671,609; May 29.
 Valve. H. T. Roberts. 1,694,625-6; Dec. 11.
 Valve. F. Rost. 1,666,583; Apr. 17.
 Valve. W. J. Rudolph. 1,674,743; June 26.
 Valve. O. F. Russell. 1,671,115; Oct. 23.
 Valve. S. B. Sargent. 1,672,394; June 5.
 Valve. R. E. Schieber. 1,665,984; Apr. 10.
 Valve. L. Schlesinger and H. E. Heine. 1,690,251; Nov. 6.
 Valve. K. Schneider. 1,669,424; May 15.
 Valve. G. Schumacher. 1,656,448; Jan. 17.
 Valve. H. L. Shallcross. 1,689,974; Oct. 30.
 Valve. G. F. Shevlin. 1,664,270; Mar. 27.
 Valve. E. U. Siena. 1,685,298; Sept. 25.
 Valve. A. D. Skinner. 1,696,868; Dec. 25.
 Valve. W. E. Sloan. 1,680,812; Aug. 14.
 Valve. N. M. Small. 1,668,342; May 1.
 Valve. H. F. Smith. 1,664,493; Apr. 3.
 Valve. J. O. Smith. 1,683,927; Sept. 11.
 Valve. W. H. Stadden. 1,677,993; July 24.
 Valve. H. L. Stephenson. 1,684,603; Sept. 18.
 Valve. C. B. Stone. 1,664,836; Apr. 3.
 Valve. L. H. Stuart. 1,688,299; Oct. 16.
 Valve. C. A. G. Wayman and A. F. Gartz, jr. 1,684,651; Sept. 18.
 Valve. A. J. West. 1,691,689; Nov. 13.
 Valve. G. R. Wildern. 1,693,945; Dec. 4.
 Valve. B. T. Williston. 1,673,058; June 12.
 Valve. E. Wilson. 1,679,012; July 31.
 Valve. W. G. Wilson. 1,671,139-40; May 29.
 Valve. J. A. Wood. 1,696,070; Dec. 18.
 Valve abutment. J. A. Yerkes and R. H. Lemmon. 1,658,424; Feb. 7.
 Valve accelerator, Dry-pipe. E. Tyden. 1,662,839; Mar. 20.
 Valve-actuating device. L. Bloch. 1,669,650; May 15.
 Valve-actuating device, Poppet. W. M. Goodwin. 1,684,955; Sept. 18.
 Valve-actuating mechanism for oil burners, Pilot. W. R. Ray. 1,670,741; May 22.
 Valve, Adjustable-plug. C. W. Stevens. 1,694,403; Dec. 11.
 Valve, Air. W. A. Russell. 1,690,554; Nov. 6.
 Valve, Air-bag. C. Van Rennes. 1,694,872; Dec. 11.
 Valve, Air-brake. S. J. Evans. 1,665,586; Apr. 10.
 Valve, Air-brake bleeder. C. E. Marshall. 1,679,837; Aug. 7.
 Valve, Air-brake-release. R. O. Durst. 1,665,913; Apr. 10.
 Valve, Air-release. G. F. Hitchcock. 1,691,391; Nov. 13.
 Valve, Air-venting. H. Brown and G. R. Uhl. 1,663,157; Mar. 20.
 Valve, Alarm check. L. A. Grimes. 1,693,842; Dec. 4.
 Valve and alloy steel therefor, Motor. R. Jardine. 1,660,925; Feb. 28.
 Valve and cock. T. S. Duncan. 1,687,646; Oct. 16.
 Valve and control mechanism, Drifting. R. P. Loughlin. 1,661,806; Mar. 6.
 Valve and flanged steel. W. F. Oberhuber. 1,679,779; Aug. 7.
 Valve and fuel cut-off, Air. W. H. Pritchett. 1,695,206; Dec. 11.
 Valve and gas-meter protector, Special sliding trapdoor. R. Salbador. 1,685,683; Sept. 25.
 Valve and gauge, Tire. R. G. Tagle and E. H. Currie. 1,675,005; June 26.
 Valve and making same. R. Jardine. 1,658,925; Feb. 14.
 Valve and mixer, Duplex. B. Rosenbaum. 1,664,901; Apr. 3.
 Valve and pipe coupling, Combined. A. J. Weatherhead, jr. 1,677,740; July 17.
 Valve and pressure equalizer, Automatic. G. W. McKale. 1,671,833; May 29.
 Valve and screen, Check. H. E. Heine. 1,661,424; Mar. 6.
 Valve and shackle bolt, Combined measuring. W. S. Pritchard. 1,657,586; Jan. 31.
 Valve and the like, Automatic. J. J. Murphy. 1,670,781; May 22.
 Valve and thief hatch, Combination pressure-vacuum. H. H. Howell. 1,666,935; Apr. 24.
 Valve and valve-seat grinder, Combined. E. O. Starkin. 1,655,251; Jan. 3.
 Valve assembly, Pump. T. C. Whitehead and F. J. Heideman. 1,659,343; Feb. 14.
 Valve, Automatic. W. J. Buford. 1,657,658; Jan. 31.
 Valve, Automatic control. G. H. Bugenhagen. 1,680,591; Aug. 14.
 Valve, Automatic discharge. W. A. Bradley. 1,664,020; Mar. 27.
 Valve, Automatic drain. A. Gottschalk. 1,680,288; Aug. 14.
 Valve, Automatic float. O. E. Cox. 1,659,859; Feb. 21.
 Valve, Automatic float. R. T. Dickey. 1,683,171; Sept. 4.
 Valve, Automatic flushing. W. F. Bright. 1,683,062; Sept. 4.
 Valve, Automatic gas-controlling standing. E. W. Dodge. 1,668,268; May 1.
 Valve, Automatic gas-shut-off. N. V. Reardon. 1,658,099; Feb. 7.
 Valve, Automatic hydraulic. W. L. Gilchrist. 1,690,165; Nov. 6.
 Valve, Automatic lubricating. A. Nelson. 1,672,079; June 5.
 Valve, Automatic oil feeding and regulating. W. R. Ray. 1,657,807; Jan. 31.
 Valve, Automatic pressure-regulator. A. K. Hinchman. 1,696,143; Dec. 18.
 Valve, Automatic vacuum-controlled. S. V. Smith. 1,696,366; Dec. 25.
 Valve, Automatic water-control. J. L. Skuttle. 1,686,296; Oct. 2.
 Valve, Back-pressure. H. V. Haight. 1,655,418; Jan. 10.
 Valve, Back-pressure. J. D. Nixon and M. Manning. 1,655,236; Jan. 3.
 Valve, Balanced-toggle. W. A. Zeidler. 1,681,966; Aug. 28.
 Valve, Bleeder. J. J. Miller. 1,661,046; Feb. 28.
 Valve-bleeding device, Brake. J. Maher. 1,689,077; Oct. 23.
 Valve body, Check. M. Smolensky. 1,662,869; Mar. 20.
 Valve bonnet and the like. T. E. Murray. 1,679,324; July 31.
 Valve bracket, Retaining. C. M. Hannaford. 1,673,980; June 19.
 Valve, Brake-control. N. A. Christensen. 1,676,980; July 10.
 Valve, Brake-cylinder release. T. H. Birch. 1,679,600; Aug. 7.
 Valve, Built-in removable. P. and R. H. Mueller and W. J. Mix. 1,677,794; July 17.
 Valve, By-pass. E. Muller. 1,687,032; Oct. 9.
 Valve cap. F. D. Farr. 1,675,752; July 3.
 Valve cap. O. M. Summers. 1,659,751; Feb. 21.
 Valve cap. A. D. Whipple. 1,678,837; July 31.
 Valve cap and dust cap, Combined. M. C. Schweinert. 1,686,642; Oct. 9.
 Valve cap, Deflating. R. H. Henemier. 1,686,659; Oct. 9.
 Valve cap, Quickly-detachable. N. L. Buckman. 1,692,621; Nov. 20.
 Valve, Check. F. W. Bonitz. 1,658,324; Feb. 7.
 Valve, Check. J. L. Gibson. 1,684,220; Sept. 11.
 Valve, Check. I. B. Gilbert. 1,679,898; Aug. 7.

- Valve, Check. G. E. Hazard. 1,684,987; Sept. 18.
 Valve, Check. C. M. Holley. 1,672,127; June 5.
 Valve, Check. I. C. Jennings. 1,668,456; May 1.
 Valve, Check. N. M. Small. 1,677,956; July 10.
 Valve cock, Rotating. S. W. Sparks. 1,669,844; May 15.
 Valve, Combination. H. Dowie. 1,673,811; June 19.
 Valve, Combination back-pressure and vacuum relief. M. E. Garrison. 1,656,349; Jan. 17.
 Valve, Combination float and diaphragm. C. N. Flagg. 1,676,084; July 3.
 Valve, Combination mixing. V. D. Hennessey. 1,693,758; Dec. 4.
 Valve, Combination relief. C. Smith. 1,688,092; Oct. 16.
 Valve, Compound relief. F. H. Hopkins. 1,660,382; Feb. 28.
 Valve, Compressor. F. W. Andrews and R. C. Mitchell. 1,669,889; May 15.
 Valve, Compressor. H. E. Thompson. 1,663,737; Mar. 27.
 Valve comprising an equalizing chamber, a main and an auxiliary valve. F. Wagner. 1,659,846; Feb. 21.
 Valve connector for delivery tubes. R. W. Tadd. 1,691,864; Nov. 13.
 Valve construction. L. Bloch. 1,665,436; Apr. 10.
 Valve construction. J. L. Fitzpatrick. 1,690,162; Nov. 6.
 Valve construction. H. A. Gehres. 1,682,499; Aug. 28.
 Valve construction. E. K. Nickerson. 1,683,625; Sept. 11.
 Valve construction. H. E. Thompson. 1,679,235; July 31.
 Valve construction. E. Tyden. 1,683,002; Sept. 4.
 Valve construction. R. Wehr. 1,692,235; Nov. 20.
 Valve construction, By-pass. P. L. Scott. 1,687,519; Oct. 16.
 Valve construction, Coke-oven. G. Huffmann. 1,656,355; Jan. 17.
 Valve construction for inflatable articles. W. J. Voit. 1,671,057; July 31.
 Valve control. C. J. Muend. 1,654,550; Jan. 3.
 Valve, Control. J. S. Reynolds. 1,654,602; Jan. 3.
 Valve, Control. W. Scrimgeour. 1,664,135; Mar. 27.
 Valve-control apparatus. E. T. Vincent. 1,664,233; Mar. 27.
 Valve control, Automatic. T. White. 1,660,306; Feb. 21.
 Valve control, Electric. J. Cromie. 1,671,409; May 29.
 Valve control, Electrically-operated organ. C. F. Redman. 1,694,722; Dec. 11.
 Valve control for plunger pumps. R. C. Hawkins. 1,676,186; July 3.
 Valve-control system, Tank. A. L. Betts. 1,658,073; Feb. 7.
 Valve-controlling apparatus, Water-gas-machine. T. W. Stone and W. Barr. 1,670,911; May 22.
 Valve-controlling device, Adjustable. E. L. Gaines. 1,656,433; Jan. 17.
 Valve-controlling device for engines and motors. S. Diamant. 1,677,552; July 17.
 Valve-controlling means, Adjustable. R. von Felden. 1,663,066; Mar. 20.
 Valve-controlling mechanism. W. H. Wineman. 1,658,319; Feb. 7.
 Valve-controlling mechanism, Throttle. F. W. Burger and B. Stocketh. 1,670,567; May 22.
 Valve, Crank-case-ventilator shut-off. C. H. Dearborn. 1,685,985; Oct. 2.
 Valve, Cut-off. J. W. Foerch, Jr. 1,668,062; May 1.
 Valve, Cut-off. C. F. Smith. 1,681,372; Aug. 21.
 Valve, Decompressor. E. Bacci and G. Vacca. 1,691,953; Nov. 20.
 Valve, Delay. J. C. Hanna. 1,656,730; Jan. 17.
 Valve device. G. A. Morrison. 1,663,334; Mar. 20.
 Valve device, Feed. W. E. Dean. 1,685,837; Oct. 2.
 Valve device, Feed. C. C. Farmer. 1,657,531; Jan. 31.
 Valve device for pneumatic-dispatch systems, Control. J. J. Stoetzel. 1,675,003; June 26.
 Valve device for use with pumping structures. A. Penn. 1,680,245; Aug. 7.
 Valve devices, Attachment for lavatory-outlet. P. and L. W. Mueller and W. J. Mix. 1,677,793; July 17.
 Valve, Diaphragm-type relief. C. Smith. 1,688,093; Oct. 16.
 Valve, Discharge. H. W. and W. Wishart. 1,660,588; Feb. 28.
 Valve, Disk. J. O. Carrey. 1,657,741; Jan. 31.
 Valve, Dispensing. W. Milder. 1,689,636; Oct. 30.
 Valve, Distant control. A. J. Hartfield and W. Holbrook. 1,673,451; June 12.
 Valve, Distribution. C. W. Dake. 1,675,306; June 26.
 Valve, Diverter. M. J. Glauber. 1,666,531; Apr. 17.
 Valve, Double-acting. C. C. Bennett. 1,671,883; May 29.
 Valve, Drain. M. A. McCue. 1,616,844; Jan. 3.
 Valve, Drain. J. D. Van Atta. 1,659,126; Feb. 14.
 Valve, Drip. E. Manning. 1,666,243; Apr. 17.
 Valve, Dry-pipe. E. E. Clark. 1,673,442; June 12.
 Valve, Dry-pipe. G. O. Liljgren. 1,672,572; June 5.
 Valve, Electric. P. F. Shivers. 1,678,202; July 24.
 Valve, Electrically-operated. E. J. Pace. 1,674,021; June 19.
 Valve, Electromagnetic. L. O. French. 1,664,613; Apr. 3.
 Valve, Electromagnetic. E. E. Murray. 1,674,914; June 26.
 Valve, Electromagnetic fuel-control. H. G. Geissinger. 1,654,642; Jan. 3.
 Valve, End train-pipe. E. A. Russell. 1,656,393; Jan. 17.
 Valve, Engine. G. P. Aborn. 1,657,560; Jan. 31.
 Valve, Engine. L. R. Grames. 1,680,516; Aug. 14.
 Valve engine, Sleeve. C. Schaeffer. 1,673,340; June 12.
 Valve, Exhaust-gas-control. A. B. Schlesinger. 1,672,096; June 5.
 Valve, Expansion. J. O. Carrey. 1,657,740; Jan. 31.
 Valve, Expansion. A. F. Hoessel. 1,660,842; Feb. 28.
 Valve, Expansion. C. M. Holley. 1,676,031; July 3.
 Valve, Expansion. C. E. I. Lipman. 1,659,918; Feb. 21.
 Valve, Expansion. R. R. Stitt. 1,658,951; Feb. 14.
 Valve, Expansion. T. C. Whitehead. 1,662,289; Mar. 13.
 Valve fitting. E. Price and W. A. Pfister. 1,677,028; Nov. 27.
 Valve fitting for communicating engine-cylinder pressures. E. A. Rockwell. 1,692,093; Nov. 20.
 Valve, Fixed-time flush. W. H. Cadwell and J. Ott. 1,657,817; Jan. 31.
 Valve, Float. N. P. Damgaard. 1,692,289; Nov. 20.
 Valve, Float. E. L. Delany. 1,678,769; July 31.
 Valve, Float. E. L. Delany. 1,685,987; Oct. 2.
 Valve, Float. E. J. Palmer. 1,688,876; Oct. 23.
 Valve, Float. D. Reed. 1,677,687; July 17.
 Valve, Float-controlled. S. Greenhouse. 1,683,180; Sept. 4.
 Valve, Float-controlled. B. E. Mitterling. 1,660,391; Feb. 28.
 Valve, Float-controlled admission. R. A. Brooks. 1,670,300; May 22.
 Valve float for flush tanks, Flush. E. L. Delany. 1,676,430; July 10.
 Valve, Floor-drain. F. W. Carlson. 1,681,394; Aug. 21.
 Valve, Fluid. A. M. Frauenheim. 1,686,849; Oct. 9.
 Valve, Fluid-mixing. B. Rosenbaum. 1,685,867; Oct. 2.
 Valve, Fluid-pressure-control. J. M. Larson. 1,685,286; Sept. 25.
 Valve, Fluid-pressure relief. J. L. Kimball. 1,679,938; Aug. 7.
 Valve, Fluid-regulating. F. Shenton. 1,681,493; Aug. 21.
 Valve, Fluid-seal air. J. T. Riddell. 1,672,905; June 12.
 Valve, Flush. W. H. Cadwell, J. Ott, and O. C. Kavlé. 1,672,366; June 5.
 Valve, Flush. E. G. Hedges. 1,663,701; Mar. 27.
 Valve, Flush. W. L. Jones. 1,655,729; Jan. 10.
 Valve, Flush. C. R. Manion. 1,694,072; Dec. 4.
 Valve, Flush. T. F. Payne. 1,660,352; Feb. 28.
 Valve, Flush. W. C. Wright. 1,665,832; Apr. 10.
 Valve, Flushing. E. G. Watrous. 1,689,540; Oct. 30.
 Valve, Flush-tank. R. M. Pierson. 1,686,985; Oct. 9.
 Valve, Flutter. M. Yablick. 1,680,757; Aug. 14.
 Valve, Foot. W. F. Brandt. 1,681,169; Aug. 21.
 Valve for air-brake apparatus, Vent. W. Astie. 1,690,776; Nov. 6.
 Valve for air-brake systems. J. Bell and W. H. Sagstetter. 1,670,950; May 22.
 Valve for air-brake systems, Bleeder. J. L. Rice. 1,655,241; Jan. 3.
 Valve for automatic sprinkler systems, Retarding. L. M. Lewis. 1,663,136; Mar. 20.
 Valve for automobile crank cases, Drain. W. Comerford. 1,689,994; Oct. 30.
 Valve for bath fixtures, Combined mixing and delivery. L. Bloch. 1,690,767; Nov. 6.
 Valve for compressors. C. H. Leinert. 1,675,566; July 3.
 Valve for concrete mixers, Fluid charging and discharging. G. T. Allen. 1,660,777; Feb. 28.
 Valve for concrete mixers, Three-way swinging. G. E. Webb. 1,673,097; June 12.
 Valve for controlling oil burners. J. E. Bolling. 1,668,001; May 1.
 Valve for controlling the flow of liquids or gases, Electrically-operated. C. W. Snyder. 1,673,923; June 19.
 Valve for cooling systems, Thermostat control. J. V. O. Palm. 1,696,410; Dec. 25.
 Valve for cornets, Piston. A. J. Johnson. 1,674,398; June 19.
 Valve for deep-well pumps, Drain. J. A. Friend. 1,660,486; Feb. 28.
 Valve for deep-well pumps, Relief. C. B. Lewis and E. D. Robertson. 1,696,007; Dec. 18.
 Valve for explosive engines, Rotary. O. L. and C. M. Dugger. 1,687,473; Oct. 9.
 Valve for fire-extinguisher pumps, Relief. P. G. MacGregor. 1,667,262; Apr. 24.
 Valve for fluid-fuel burners. A. Bowland. 1,678,459; July 24.
 Valve for fluid pumps, Pressure-relief. L. C. Josephs, Jr. 1,692,375; Nov. 20.
 Valve for flush tanks. E. J. Palmer. 1,688,877; Oct. 23.
 Valve for flush tanks, Float. E. L. Delany. 1,661,112; Feb. 28.
 Valve for flushing tanks, Float. J. M. Teahen. 1,670,325; May 22.
 Valve for gas burners, Locking. C. E. Wise. 1,689,657; Oct. 30.
 Valve for gas engines, Revolving. O. O. Storle. 1,658,360; Feb. 7.
 Valve for gas lines, Automatic cut-off. C. L. Sams. 1,677,729; July 17.
 Valve for gas-washing apparatus, By-pass. R. Rosner. 1,677,148; July 17.
 Valve for gaseous-fuel burners, Control. H. H. Dodge. 1,685,275; Sept. 25.
 Valve for gauges, Automatic. R. Star. 1,667,877; May 1.

- Valve for grease guns. W. B. Sibley. 1,656,763; Jan. 17.
 Valve for high-pressure and high-temperature purposes
 O. D. Redding. 1,689,296; Oct. 30.
 Valve for hydraulic actuating means, Air-bleed. W. Noble
 1,690,033; Oct. 30.
 Valve for internal-combustion engines. W. C. Gray.
 1,680,099; Aug. 7.
 Valve for internal-combustion engines. C. S. Joyce.
 1,683,077; Sept. 4.
 Valve for internal-combustion engines, Air-vent. J. J.
 Vertrees, jr. 1,683,504; Sept. 4.
 Valve for internal-combustion engines, Rotary. E. T.
 Neubauer. 1,682,088; Aug. 28.
 Valve for internal-combustion engines, Rotary. A. A. J.
 Westman. 1,683,275; Sept. 4.
 Valve for kitchen boilers and the like, Relief. E. F.
 Donnelly. 1,670,764; May 22.
 Valve for lawn-sprinkling systems, Drain. H. B. Sher-
 man. 1,675,992; July 3.
 Valve for lifting devices. J. D. Cochran. 1,673,103;
 June 12.
 Valve for locomotives, Drifting. J. H. and W. J. Han-
 lon. 1,658,083; Feb. 7.
 Valve for milking machines. D. W. Myers and R. L.
 Sherman. 1,662,617; Mar. 13.
 Valve for oil burners, Shut-off. R. D. McIntosh.
 1,672,575; June 5.
 Valve for oil pumps. L. F. Wells and O. C. Whitting.
 1,679,283; July 31.
 Valve for operating dump cars, Direction. E. R. Viberg
 and A. L. Linderblad. 1,687,406; Oct. 9.
 Valve for percussive tools. G. Lee. 1,696,311; Dec. 25.
 Valve for pipe lines, Rotary. J. Schnyder. 1,672,430;
 June 5.
 Valve for player pianos. A. G. Gulbrandsen. 1,681,338;
 Aug. 21.
 Valve for plunger pumps, Rubber. R. Wilson. 1,657,984;
 Jan. 31.
 Valve for pneumatic tools. H. Jeschke. 1,662,576;
 Mar. 13.
 Valve for preserving receptacles. H. Ernst. 1,674,506;
 June 19.
 Valve for pumps. P. W. Aular. 1,675,082; June 26.
 Valve for pumps. C. P. Eisenbauer. 1,674,718; June 26.
 Valve for pumps. J. M. Sharp. 1,691,449; Nov. 13.
 Valve for radiators, Air-vent. L. W. Eggleston. 1,678,851;
 July 31.
 Valve for receiving and storing tanks, Combined vacuum
 and pressure-relief. A. J. McEwan. 1,678,700; July 31.
 Valve for rectifiers, Vacuum. E. B. Shand. 1,693,407;
 Nov. 27.
 Valve for regulating gas flames. G. Schlusberg.
 1,692,421; Nov. 20.
 Valve for reversing furnaces. H. C. Perdue. 1,673,018;
 June 12.
 Valve for rock drills. G. W. Hulshizer. 1,688,633;
 Oct. 23.
 Valve for rock drills. E. B. Lear. 1,670,367; May 22.
 Valve for rock drills. E. B. Lear. 1,671,431; May 29.
 Valve for rock drills. E. B. Lear. 1,694,882; Dec. 11.
 Valve for rock drills. G. M. Nell. 1,687,381; Oct. 9.
 Valve for rock drills. W. A. Smith, jr. 1,666,427;
 Apr. 17.
 Valve for rock drills, Shifting-fulcrum. L. C. Bayles and
 F. M. Slater. 1,690,810; Nov. 6.
 Valve for steam engines and the like, Distribution. C. W.
 Dake. 1,675,304-5; June 26.
 Valve for steam engines, Slide. J. Dockings. 1,680,285;
 Aug. 14.
 Valve for steam pressing machines. H. G. Beede and H.
 E. Cohen. 1,671,179; May 29.
 Valve for steam pressing machines. H. E. Cohen.
 1,671,178; May 29.
 Valve for storage tanks, Safety. S. H. Brooks. 1,681,697;
 Aug. 21.
 Valve for supplying compressed air. A. H. Neller.
 1,659,329; Feb. 14.
 Valve for tank cars, Safety outlet. F. A. Gurney.
 1,692,117; Nov. 20.
 Valve for tanks, Automatic safety intake and outlet. H.
 Benham. 1,692,151; Nov. 20.
 Valve for two-stroke-cycle internal-combustion engines
 applicable also to compressors and the like, Automat-
 ically-operating scavenging. E. O. P. Thege. 1,672,436;
 June 5.
 Valve for water-circulating systems, Check. N. I. Clark.
 1,693,888; Dec. 4.
 Valve for water-closets, Pendulum or swinging flush.
 E. H. Gove. 1,676,234; July 3.
 Valve for water lifts. L. E. Morrison. 1,691,664;
 Nov. 13.
 Valve for water troughs, Regulating. J. B. Peterson.
 1,662,716; Mar. 13.
 Valve for wells, Quick-action retention. B. H. Scott and
 S. E. Ross. 1,693,255; Nov. 27.
 Valve for wireless telegraphy or telephony. J. A. M.
 Hawadler. 1,666,010; Apr. 10.
 Valve-forming device for paper bags. M. J. Davis.
 1,674,502; June 19.
 Valve, Four-way diverter. L. Bloch. Re17,034; July 17.
 Valve, Fuel-control. L. O. French. 1,664,612; Apr. 3.
 Valve, Fuel-control. L. O. French. 1,664,616; Apr. 3.
 Valve, Fuel-injection. C. H. Kenneweg. 1,660,754;
 Feb. 28.
 Valve, Fuel-injection. P. A. Lawrence. 1,674,014;
 June 19.
 Valve, Full-way or gate. H. L. Mason. 1,675,986;
 July 3.
 Valve, Furnace. R. D. Nye. 1,662,124; Mar. 13.
 Valve, Gas. E. S. Tronzo. 1,663,426; Mar. 20.
 Valve, Gas-relief. G. C. Davis. 1,676,889; July 10.
 Valve, Gas safety. F. E. Schoolfield. 1,687,351; Oct. 9.
 Valve, Gate. P. W. Knauf. 1,692,177; Nov. 20.
 Valve, Gate. R. Welsh. 1,692,067; Nov. 20.
 Valve gear. W. H. Wineman. 1,658,318; Feb. 7.
 Valve gears, Lead adjustment for radial. T. R. Shanks.
 1,657,770; Jan. 31.
 Valve, Glow-discharge. F. Schröter. 1,656,957; Jan. 24.
 Valve, Goggle. J. A. Morrison. 1,674,255; June 19.
 Valve, Graduated. L. Lanza. 1,688,390; Oct. 23.
 Valve grinder and mechanical movement. W. E. Duthie.
 1,683,876; Sept. 11.
 Valve-grinding compound. A. L. Browne. 1,669,596;
 May 15.
 Valve guide. W. D. Davenport. 1,655,894; Jan. 10.
 Valve guide. W. Noble. 1,690,029; Oct. 30.
 Valve handles, Temporary lock for. H. Pferdmeiges.
 1,670,002; May 15.
 Valve, High-pressure. H. Bateman. 1,674,235; June 19.
 Valve, High-pressure gate. B. T. Williston. 1,686,057;
 Oct. 2.
 Valve, High-pressure safety. L. W. Houston. 1,674,113;
 June 19.
 Valve, High-tension electric. H. F. Waite. 1,682,730;
 Aug. 28.
 Valve, Homogenizing. C. Jorgensen. 1,662,749; Mar. 13.
 Valve housing. H. Sieben. 1,690,461; Nov. 6.
 Valve, Hydraulic gate and check. W. B. Andersson.
 1,685,932-3; Oct. 2.
 Valve, Hydraulic, steam, or air. N. U. Peris. 1,657,841;
 Jan. 31.
 Valve, Indicating and recording nonreturn. D. R. Yar-
 nall. 1,675,523; July 3.
 Valve indicator, Throttle. W. H. Edwards. 1,669,699;
 May 15.
 Valve, Inflating. F. E. Hansen. 1,676,777; July 10.
 Valve, Internal relief. G. Rabitz. 1,669,534; May 15.
 Valve, Irrigating. C. M. Cronkrite. 1,657,110; Jan. 24.
 Valve, Irrigating. O. A. Turner. 1,674,074; June 19.
 Valve-lash-compensating device. C. R. Short. 1,664,710;
 Apr. 3.
 Valve, Leakageproof spring-secured safety. E. Gansfried.
 1,687,554; Oct. 16.
 Valve lever and mounting, Flush. F. M. Campbell.
 1,675,248; June 26.
 Valve lifter. J. C. Garrott. 1,686,152; Oct. 2.
 Valve lifter. B. J. Geisser. 1,657,210; Jan. 24.
 Valve lifter. W. F. Hobbs and J. A. Anderson. 1,695,490;
 Dec. 18.
 Valve lifter. D. G. Ludington. 1,688,280; Oct. 16.
 Valve lifter, Standing. O. M. Turner and J. J. Stephens.
 1,692,005; Nov. 20.
 Valve lifters, Making. H. G. Carlson. 1,663,191;
 Mar. 20.
 Valve, Liquid. W. H. Rose. 1,683,727; Sept. 11.
 Valve, Liquid-measuring. C. H. Ayars. 1,683,120; Sept. 4.
 Valve, Liquid-measuring. J. D. Langdon. 1,658,000;
 Jan. 31.
 Valve, Liquid-measuring. J. D. Langdon. 1,658,928;
 Feb. 14.
 Valve lock. J. Waselak. 1,694,086; Dec. 4.
 Valve lock, Gas. C. E. Kohlmann. 1,671,594; May 29.
 Valve-locking device, Gas-stove. E. N. Trotter.
 1,659,843; Feb. 21.
 Valve, Locomotive gear. J. Kupka. 1,665,966; Apr. 10.
 Valve, Locomotive stop. W. Casey. 1,689,325; Oct. 30.
 Valve, Locomotive-tender tank. O. S. Matthews.
 1,690,742; Nov. 6.
 Valve, Lubricated. F. Milliken. 1,696,723; Dec. 25.
 Valve, Lubricated adjustable-plug. C. W. Stevens.
 1,694,404; Dec. 11.
 Valve, Lubricated plug. H. P. MacGregor. 1,677,525;
 July 17.
 Valve, Lubricator-terminal check. E. L. Howell.
 1,659,916; Feb. 21.
 Valve, Magnetic relay. H. A. Mitchell. 1,667,898; May 1.
 Valve means. D. E. Austin. 1,683,813; Sept. 11.
 Valve, Measuring. D. H. Sweet. 1,679,882; Aug. 7.
 Valve mechanism. F. S. Barks. 1,667,138; Apr. 24.
 Valve mechanism. E. P. Buckley. 1,683,523; Sept. 4.
 Valve mechanism. A. Dewandre. 1,675,023; June 26.
 Valve mechanism. E. Favary. 1,669,161; May 8.
 Valve mechanism. A. D. Ferguson. 1,659,812; Feb. 21.
 Valve mechanism. F. A. Halleck. 1,659,815-16; Feb. 21.
 Valve mechanism. F. A. Halleck. 1,660,193; Feb. 21.
 Valve mechanism. F. A. Halleck. 1,695,586; Dec. 18.
 Valve mechanism. H. B. Halvorsen. 1,659,817; Feb. 21.
 Valve mechanism. I. B. Hayes and M. Burke.
 1,671,111; May 29.
 Valve mechanism. F. D. Holdsworth. 1,682,906-7;
 Sept. 4.
 Valve mechanism. E. Johnson. 1,691,811; Nov. 13.
 Valve mechanism. A. Klell. 1,672,946; June 12.
 Valve mechanism. T. H. Moseley and C. E. Droege.
 1,675,817; July 3.
 Valve mechanism. S. T. Nelson. 1,668,865; May 8.
 Valve mechanism. C. F. Osgood. 1,682,908; Sept. 4.
 Valve mechanism. F. L. Piyoto. 1,676,666; July 10.

- Valve mechanism. A. W. Pope, jr. 1,677,460; July 17.
 Valve mechanism. O. C. Schmidt. 1,661,310; Mar. 6.
 Valve mechanism. J. A. Shively. 1,676,840; July 10.
 Valve mechanism. W. B. S. Whaley, C. A. Muller, and C. M. Tursky. 1,684,424; Sept. 18.
 Valve mechanism, Control-. J. M. Horn. 1,667,860; May 1.
 Valve mechanism, Control or change-over. J. Lyall. 1,675,982; July 3.
 Valve mechanism, Electrepneumatic. B. B. Austin. 1,678,547; July 24.
 Valve mechanism, Engine-. J. E. Butz. 1,670,839; May 22.
 Valve mechanism, Flush-. M. Schiller. 1,686,932; Oct. 9.
 Valve mechanism, Float-. F. G. Slagel. 1,679,949; Aug. 7.
 Valve mechanism, Flushing-. P. Haas. 1,660,749; Feb. 28.
 Valve mechanism for controlling the discharge of powdered material and sand from tanks or other receptacles. L. Andrews. 1,665,081; Apr. 3.
 Valve mechanism for explosive engines. E. L. Coon. 1,673,734; June 12.
 Valve mechanism for fluid-operated rock drills. J. L. Holman and A. T. Holman. 1,676,950; July 10.
 Valve mechanism for internal-combustion engines. R. W. A. Brewer. 1,670,876; May 22.
 Valve mechanism for internal-combustion engines, Rotary. G. E. Hottenstein and G. E. Hottenstein, jr. 1,684,767; Sept. 18.
 Valve mechanism for oil burners and the like. J. H. McIlvaine. 1,692,046; Nov. 20.
 Valve mechanism for power actuators and the like, Poppet-. C. S. Bragg and V. W. Kliersath. 1,679,762; Aug. 7.
 Valve mechanism, Rotary. J. E. Hulse. 1,660,166; Feb. 21.
 Valve mechanism, Rotary. J. W. Shannon and J. F. Pagendarm. 1,666,513; Apr. 17.
 Valve mechanism, Turbine. F. Hodgkinson and R. C. Allen. 1,680,736; Aug. 14.
 Valve mechanism, Water-softener. L. G. Daniels. 1,671,672; May 29.
 Valve mechanism, Waste-. H. W. Kuehl. 1,689,034; Oct. 23.
 Valve, Mixing. W. E. Leibing. 1,661,431; Mar. 6.
 Valve, Mixing. B. Rosenbaum. 1,664,900; Apr. 3.
 Valve, Mixing. J. H. Tritz. 1,677,995; July 24.
 Valve, Modulating. W. W. Birnstock. 1,662,659; Mar. 13.
 Valve, Modulating vapor. W. W. Birnstock. 1,659,477; Feb. 14.
 Valve, Motor. A. A. H. Millet. 1,675,039; June 26.
 Valve, Multifurcific. L. C. Huff. 1,679,219; July 31.
 Valve, Musical-instrument. L. Stringfield. 1,673,717; June 12.
 Valve, Noiseless check. D. Sandford. 1,693,619; Dec. 4.
 Valve, Nozzle stop. J. Ruths. 1,668,128; May 1.
 Valve-operating connections, Compensating means for. F. Reich. 1,696,361; Dec. 25.
 Valve-operating device. R. Rogers. 1,667,990; May 1.
 Valve-operating means. J. Bentley. 1,691,866; Nov. 13.
 Valve-operating means, Steam-cylinder. W. A. Cook. 1,661,466; Mar. 6.
 Valve-operating mechanism. S. G. Harwood and D. Griswold. 1,692,776; Nov. 20.
 Valve-operating mechanism. J. S. Kennedy. 1,663,557; Mar. 27.
 Valve-operating mechanism. T. E. Paradise. 1,672,168; June 5.
 Valve-operating mechanism. E. T. Smith. 1,662,133-4; Mar. 13.
 Valve-operating mechanism. F. A. Whitten. 1,685,582; Sept. 25.
 Valve-operating mechanism. L. M. Woolson. 1,695,726; Dec. 18.
 Valve-operating mechanism and the like. J. C. Turvene. 1,696,370; Dec. 25.
 Valve-operating mechanism, Fuel-. L. V. Hosford. 1,668,076; May 1.
 Valve-operating mechanism, Waste-. B. R. Bresler. 1,678,102; July 24.
 Valve-operating system. W. Noble and L. V. Pittman. 1,690,031; Oct. 30.
 Valve-operating system for car-heating systems. P. B. Parks. 1,671,206; May 29.
 Valve or the like, Faucet-. S. Smith. Des. 76,827; Nov. 6.
 Valve, Orifice. C. G. Woodmansee. 1,662,374; Mar. 13.
 Valve, Pilot-light-controlled gas. F. H. Brinkerhoff. 1,675,638; July 3.
 Valve, Piston. E. Allzett. 1,675,320; July 3.
 Valve, Piston. C. W. Dake. 1,675,307; June 26.
 Valve, Plate. L. R. Huff. 1,677,717; July 17.
 Valve, Plate. W. A. Muan. 1,684,306; Mar. 27.
 Valve, Plate. S. B. Redfield. 1,690,836; Nov. 6.
 Valve, Plate. G. G. Tuttle. 1,669,361; May 8.
 Valve, Plate. G. G. Tuttle. 1,695,069; Dec. 11.
 Valve plate, Warpless. D. Sandford. 1,685,615; Sept. 25.
 Valve, Plug. S. E. Meyers. 1,686,336; Oct. 2.
 Valve, Pneumatic-tire. J. P. Glits. 1,666,562; Apr. 17.
 Valve. Pneumatically-controlled air. G. T. Boynton. 1,681,278; Aug. 21.
 Valve, Pressure and temperature control. H. C. Tabler. 1,694,492; Dec. 11.
 Valve, Pressure and vacuum relief. J. L. Gray. 1,684,377; Sept. 11.
 Valve, Pressure-reducing. D. D. Parshall. 1,674,262; June 19.
 Valve, Pressure-regulating. M. A. Clark. 1,669,739; May 15.
 Valve, Pressure-regulating. S. Greenhouse. 1,656,670; Jan. 17.
 Valve, Pressure-relief. H. A. Thrush. Re16,992; June 12.
 Valve, Pressure-relieving. T. A. Crompton. 1,695,248; Dec. 11.
 Valve, Pressure-retaining. H. H. and J. H. Askew. 1,656,811; Jan. 17.
 Valve, Pressure-retaining. C. Transue. 1,676,169; July 3.
 Valve puller, Standing-. K. P. Neilsen. 1,676,061; July 10.
 Valve, Pump. L. B. Clifford. 1,692,795; Nov. 20.
 Valve, Pump. G. C. Deakins. 1,687,008; Oct. 9.
 Valve pump. J. M. Streich. 1,685,650; Sept. 25.
 Valve, Pump. W. W. Wilson, G. C. Deakins, and R. R. Shull. 1,687,745; Oct. 16.
 Valve, Quickacting gate. J. M. Dayton. 1,681,468; Aug. 21.
 Valve, Quick-opening gate. R. G. Carlson. 1,688,686; Oct. 23.
 Valve, Quick-throw. W. B. Bastian. 1,684,905; Sept. 18.
 Valve, Quick-throw. D. E. Keech and A. P. Algier. 1,674,250; June 19.
 Valve, Racing game. T. C. Jensen. 1,691,521; Nov. 13.
 Valve, Radiator. W. H. Cadwell. 1,665,052; Apr. 3.
 Valve, Radiator. J. C. Hammer and P. F. Vokal. 1,656,374; Jan. 17.
 Valve, Radiator. A. S. Svenson. 1,673,648; June 12.
 Valve, Radiator. J. H. Urke and L. R. Metcalf. 1,670,698; May 22.
 Valve, Rebound-device relief. E. W. Ackerman and G. C. Nicholson. 1,691,876; Nov. 13.
 Valve, Reciprocating. W. G. Wilson. Re17,022; July 3.
 Valve, Reducing. A. J. and I. F. Fausek. 1,691,758; Nov. 13.
 Valve, Release. S. E. Turner. 1,674,933; June 26.
 Valve, Relief. G. H. Brunow. 1,679,763; Aug. 7.
 Valve, Relief. E. F. Donnelly. 1,667,590; Apr. 24.
 Valve, Relief. L. W. Eggleston. 1,670,615; May 22.
 Valve, Relief. A. Friedman. 1,692,773; Nov. 20.
 Valve, Remote-control pilot. W. W. Carson, jr. 1,671,511; May 29.
 Valve-rescating machine. A. Romano and R. Vitale. 1,676,414; July 10.
 Valve-resurfacing machine. F. E. Longley. 1,687,374; Oct. 9.
 Valve-reversing mechanism. E. B. Packard. 1,681,307; Aug. 21.
 Valve, Rock-drill oscillating. G. W. Hulshizer. 1,660,509; Feb. 28.
 Valve, Rotary. P. R. Brown. 1,659,078; Feb. 14.
 Valve, Rotary. H. M. Johnson. 1,693,484; Nov. 27.
 Valve, Rotary. H. Scheel. 1,695,348; Dec. 18.
 Valve, Rotary. W. J. Smith. 1,677,499; July 17.
 Valve, Rotary. W. D. Tipton. 1,667,228; Apr. 24.
 Valve, Rotary. W. D. Tipton. 1,692,396; Nov. 20.
 Valve, Rotary expansion. T. I. Potter. 1,693,863; Dec. 4.
 Valve, Safety. G. Ackermann. 1,690,097; Nov. 6.
 Valve, Safety. R. C. Allen. 1,690,093; Nov. 6.
 Valve, Safety. G. Bashcong. 1,667,525; Apr. 24.
 Valve, Safety. J. D. Beach. 1,655,889; Jan. 10.
 Valve, Safety. F. E. Godsey. 1,692,296; Nov. 20.
 Valve, Safety. W. Hargreaves. 1,665,850; Apr. 10.
 Valve, Safety. B. J. Hellwig. 1,668,075; May 1.
 Valve, Safety. C. F. Heywood. 1,667,154; Apr. 24.
 Valve, Safety. A. W. Puffer. 1,673,470; June 12.
 Valve, Safety. V. Willoughby. 1,665,391; Apr. 10.
 Valve, Safety. V. Willoughby. 1,665,394; Apr. 10.
 Valve, Safety and relief. F. E. Raymond. 1,685,866; Oct. 2.
 Valve, Safety check. H. MacMillan. 1,669,007; May 8.
 Valve, Safety gas. I. L. Sauvey and S. De France. 1,672,504; June 5.
 Valve, Safety or automatic release. L. C. Huff. 1,679,218; July 31.
 Valve seat, Floating-. G. J. Henry. 1,693,032; Nov. 27.
 Valve-seat puller. W. Brauer. 1,683,757; Sept. 11.
 Valve, Self-closing. H. W. Taylor. 1,672,235; June 5.
 Valve self-correcting means. Poppet-. H. R. Kiessig. 1,683,902; Sept. 11.
 Valve, Self-grinding. A. F. Ruthven. 1,659,498; Feb. 14.
 Valve, Semiautomatic. W. Ernst. 1,693,109; Nov. 27.
 Valve shield. H. T. Blom. 1,692,265; Nov. 20.
 Valve, Shut-off. T. F. McLaughlin. 1,661,437; Mar. 6.
 Valve sleeve and coating the same, Metal-coated. H. J. Edwards. 1,682,702; Aug. 28.
 Valve, Slide stop. W. Fröh. 1,692,496; Nov. 20.
 Valve, Slip-in pump. E. A. Dudley. 1,668,891; May 8.
 Valve, Slush-pump. G. S. Fosnaugh and B. Johnson. 1,687,860; Oct. 16.
 Valve spring. A. S. Barney, sr. 1,694,435; Dec. 11.
 Valve-spring-compressing device. I. E. Ritter. 1,695,610; Dec. 18.
 Valve-spring compression. I. R. Goodsell. 1,687,723; Oct. 16.
 Valve-spring compressor. H. M. Collins. 1,660,374; Feb. 28.

- Valve-spring compressor. C. D. Kirtlan. 1,669,376; May 8.
- Valve-spring holder. D. M. Dorman. 1,656,974; Jan. 24.
- Valve-spring lifter. F. Body. 1,657,194; Jan. 24.
- Valve-spring lifter and remover. C. E. Hirst. 1,679,970; Aug. 7.
- Valve-spring lifter or compressor, Heavy-duty. H. W. Kulp and M. C. Dellinger. 1,690,732; Nov. 6.
- Valve, Spring-pressure relief. I. I. Nelson and C. Smith. 1,686,875; Oct. 9.
- Valve-spring retainer. A. Boyer. 1,658,403; Feb. 7.
- Valve-stem adapter for inner-tube molds. A. A. Glidden, T. M. Knowland, and W. T. Rich, jr. 1,695,012-13; Dec. 11.
- Valve stem and pressure gauge. Tire. N. T. Shorts. 1,694,286; Dec. 4.
- Valve-stem attachment. F. H. Gibbons. 1,667,594; Apr. 24.
- Valve-stem cap and tire lock. A. W. Hicks. 1,660,752; Feb. 28.
- Valve-stem cover. E. P. Seghers. 1,676,578; July 10.
- Valve stem for inner tubes of pneumatic tires. A. B. Preisser. 1,696,211; Dec. 25.
- Valve stem, handle, and escutcheon, Combined. J. Fraser. Des. 76,995; Nov. 27.
- Valve-stem lubricator. J. Brooks. 1,656,555; Jan. 17.
- Valve-stem lubricator. J. F. Smith. 1,668,089; May 1.
- Valve-stem protector. R. L. Lovvorn. 1,664,694; Apr. 3.
- Valve-stem protector, Removable. W. W. Connor. 1,670,241; May 15.
- Valve-stem-securing means for vehicle tires. H. W. Schwarz. 1,672,347; June 5.
- Valve stems and the like, Making tire-. E. G. Oakley. 1,684,194; Sept. 11.
- Valve stems, Apparatus for cutting. W. S. Knudsen. 1,679,977; Aug. 7.
- Valve structure. E. L. R. Bliss. 1,669,119; May 8.
- Valve structure. J. Fraser, jr. 1,689,236; Oct. 30.
- Valve structure. J. W. Lawless. 1,660,450; Feb. 28.
- Valve structure. C. F. Wray. 1,689,095; Oct. 23.
- Valve structure for compressors, Discharge-. E. H. Steedman. 1,688,027; Oct. 16.
- Valve structure, Forced-draft-pan-. O. G. Werner. 1,686,777; Oct. 9.
- Valve structure, High-duty. G. Ericsson. 1,658,374; Feb. 7.
- Valve structure, Mixing-. A. E. Hohmeister. 1,674,365; June 19.
- Valve structure, Rotary. P. G. Frazier. 1,663,075; Mar. 20.
- Valve, Swinging-spout. F. G. Brotz. 1,678,377; July 24.
- Valve, Tank. R. M. Pierson. 1,682,306; Aug. 28.
- Valve, Tank. P. S. Shield. 1,693,257; Nov. 27.
- Valve, Tank-car. A. M. Dow. 1,689,998; Oct. 30.
- Valve, Tank-car siphon. E. S. Thayer. 1,661,202; Mar. 6.
- Valve tappet. A. W. Pope, jr. 1,689,801; Oct. 30.
- Valve tappet and forming the same. C. B. McDonald. 1,691,779; Nov. 13.
- Valve-tappet construction. C. H. Page. 1,675,954; July 3.
- Valve tappets, Forming. C. B. McDonald. 1,691,778; Nov. 13.
- Valve tappets, Making. G. R. Rich. 1,695,981; Dec. 18.
- Valve, Telemotor-operated liquid discharge and admission. J. Wardle. 1,668,928; May 8.
- Valve, Telltale positive and automatic gas-cut-off. H. Kennell. 1,691,442; Nov. 13.
- Valve, Temperature and pressure relief. F. M. Holmes. 1,687,209; Oct. 9.
- Valve, Temperature-controlled relief. F. T. Holmes. 1,676,650; July 10.
- Valve, Terminal check. W. G. Coles. 1,659,242; Feb. 14.
- Valve, Thermionic. R. L. Cooney. 1,671,854; May 29.
- Valve, Thermionic. H. S. de A. Donisthorpe. 1,665,626; Apr. 10.
- Valve, Thermionic. C. Tietig. 1,673,850; June 19.
- Valve, Thermostatic. A. Beler. 1,691,908; Nov. 13.
- Valve, Thermostatic. L. F. Doen. 1,683,172; Sept. 4.
- Valve, Thermostatic. J. J. Lawler. 1,659,917; Feb. 21.
- Valve, Thermostatic. C. H. Morrow. 1,679,165; July 31.
- Valve, Thermostatic mixing. C. H. Lemery. 1,658,726; Feb. 7.
- Valve, Thermostatic water. L. M. Spencer. 1,675,620; July 3.
- Valve, Thermostatically-actuated. J. J. Kenney. 1,674,473; June 19.
- Valve, Thermostatically-controlled fluid. C. M. Updegraff. 1,660,637; Feb. 28.
- Valve, Throttle. L. L. Neebe. 1,679,257; July 31.
- Valve, Throttle. C. Ringel. 1,689,299; Oct. 30.
- Valve throw, Adjusting. B. Dudley, jr. 1,684,014; Sept. 11.
- Valve throw, Apparatus for adjusting. B. Dudley, jr. 1,684,015; Sept. 11.
- Valve, Tire. T. Erismann. 1,668,398; May 1.
- Valve, Tire. H. P. Kraft. 1,693,084; Nov. 27.
- Valve, Tire. E. V. Myers. 1,669,206; May 8.
- Valve, Tire. M. J. Payne. 1,671,123; May 29.
- Valve, Tire. M. J. Payne. 1,675,990; July 3.
- Valve, Tire. W. P. Porter. 1,685,376; Sept. 25.
- Valve, Triple. H. Hansen. 1,663,837; Mar. 27.
- Valve tube, Electric vacuum. F. Schröter. 1,656,956; Jan. 24.
- Valve, Tubular. P. J. Sailer. 1,661,097; Feb. 28.
- Valve, unit, Thermostatically-controlled. J. V. Giesler. 1,675,341; July 3.
- Valve, Universal cut-out. A. E. Linendoll. 1,672,266; June 5.
- Valve, Water-mixing. A. T. Johanson. 1,691,197; Nov. 13.
- Valve, Water-softener. C. P. Eisenhauer. 1,695,541; Dec. 18.
- Valve, Water-temperature-control. F. E. Dennison. 1,655,944; Jan. 10.
- Valve, Whistle and safety. C. W. Hill. 1,662,706; Mar. 13.
- Valves and like devices, Manufacturing of. L. Saives. 1,696,646; Dec. 25.
- Valves and the like, Adjustable locking device for. C. W. Roberts, jr. 1,684,745; Sept. 18.
- Valves and the like, Control means for throttle. L. C. Josephs, jr. 1,684,033; Sept. 11.
- Valves and timers, Facing machine for. G. N. Krouse. 1,656,377; Jan. 17.
- Valves, Can mechanism for actuating. G. A. Loud. 1,666,709; Apr. 17.
- Valves, Device for lapping in. E. E. Eickmeyer. 1,663,447; Mar. 20.
- Valves, Dust cap for tire. E. G. Oakley. 1,695,818; Dec. 18.
- Valves, Electrical control for gas. S. G. Crane. 1,693,070; Nov. 27.
- Valves, Emergency closing means for boiler nonreturn. P. W. Knauf. 1,658,445; Feb. 7.
- Valves in annular tubes, Inserting. C. E. Maynard. 1,694,225; Dec. 4.
- Valves in bags, Process and apparatus for folding. A. M. Bates and G. P. Dorr. 1,682,107; Aug. 28.
- Valves, Latch for gas. B. L. Mickaelson. 1,655,473; Jan. 10.
- Valves, Locking attachment for. C. Utman. 1,668,223; May 1.
- Valves, Lubricating chamber for water-cut-off. P. C. Cullen. 1,668,949; May 8.
- Valves, Making. R. Jardine. 1,688,423; Oct. 23.
- Valves, Making sleeve. H. R. Ricardo. 1,677,249; July 17.
- Valves, Making two-piece. W. H. Washburne. 1,663,784; Mar. 27.
- Valves, Method and apparatus for reseating. R. C. Willis. 1,667,918; May 1.
- Valves of locomotives, Method of and apparatus for controlling the cut-off of distribution. A. W. Bruce and J. B. Ennis. 1,692,620; Nov. 20.
- Valves, Rocker arm for internal-combustion-engine. W. H. Puckett. 1,691,991; Nov. 20.
- Valves, Support for air-retainer. P. J. McKee. 1,659,323; Feb. 14.
- Valves, Water-tight seat for butterfly. C. V. Foulds. 1,682,075; Aug. 28.
- Vamp easer. T. Carter. 1,674,499-500; June 19.
- Vanadium compound. H. Hahl and W. Kropp. 1,695,147; Dec. 11.
- Vane for fishery. C. Hansen and P. Leth. 1,683,668; Sept. 11.
- Vane sight, Adjustable wind-. C. L. Paulus. 1,676,963; July 10.
- Vanity box. C. L. Dewey. 1,663,244; Mar. 20.
- Vanity box. P. A. Reutter. 1,670,315; May 22.
- Vanity box and compact therefor. J. L. McAtree. 1,690,587; Nov. 6.
- Vanity case. H. L. Allen. 1,694,727; Dec. 11.
- Vanity case. E. R. Barany. 1,695,677; Dec. 18.
- Vanity case. R. T. Brewster. Des. 75,354; May 29.
- Vanity case. C. N. Coryell. Des. 75,476; June 12.
- Vanity case. C. N. Coryell. 1,685,908; Oct. 2.
- Vanity case. C. N. Coryell. 1,690,274; Nov. 6.
- Vanity case. C. N. Coryell. 1,690,278; Nov. 6.
- Vanity case. C. L. Coyle. 1,663,002; Mar. 20.
- Vanity case. B. B. Deitel. 1,694,702; Dec. 11.
- Vanity case. C. A. Eymann. 1,686,370; Oct. 2.
- Vanity case. W. A. Goertz. 1,681,401; Aug. 21.
- Vanity case. S. E. Guinn. Des. 77,316; Dec. 25.
- Vanity case. W. M. Hauch. 1,655,098; Jan. 3.
- Vanity case. H. and J. Heitel. 1,692,300; Nov. 20.
- Vanity case. W. J. Hines. Des. 75,688; July 3.
- Vanity case. W. J. Hines. 1,671,930; May 29.
- Vanity case. H. D. Hough. 1,666,901; Apr. 24.
- Vanity case. N. Kasdan and D. Pollack. Des. 75,502; June 12.
- Vanity case. N. Kasdan and D. Pollack. 1,695,287; Dec. 18.
- Vanity case. W. G. Kendall. 1,662,065; Mar. 13.
- Vanity case. W. G. Kendall. 1,683,551; Sept. 4.
- Vanity case. W. G. Kendall. 1,686,973; Oct. 9.
- Vanity case. H. Leberman. 1,694,185; Dec. 4.
- Vanity case. W. H. Lester. 1,672,649; June 5.
- Vanity case. C. L. Marcus. 1,672,270; June 5.
- Vanity case. J. Martinat. 1,682,486; Aug. 28.
- Vanity case. S. Morrison. 1,667,484; Apr. 24.
- Vanity case. A. H. Noble. Des. 74,942; Apr. 17.
- Vanity case. A. H. Noble. Des. 75,281; May 22.
- Vanity case. A. H. Noble. 1,674,608; June 19.
- Vanity case. H. W. Noyes. 1,634,454; Sept. 18.
- Vanity case. W. Poranski. 1,669,017-8; May 8.
- Vanity case. H. A. Povel. 1,684,202; Sept. 11.
- Vanity case. F. A. Reutter. 1,690,552; Nov. 6.
- Vanity case. R. Ringenberg. 1,669,842; May 15.
- Vanity case. M. E. Schenke. Des. 76,637; Oct. 16.
- Vanity case. W. T. Wells. 1,683,851; Sept. 11.
- Vanity case. C. M. Wendelstein. 1,667,695; Apr. 24.
- Vanity case. F. M. Wojciechowski. 1,688,301; Oct. 16.

- Vanity case. D. H. Zell. Des. 75,399; May 29.
 Vanity case adapted to separate compacts of contracting shades. L. L. Kole. 1,694,946; Dec. 11.
 Vanity case and pocketbook for animal heads. R. Eisenberg and M. Rajewsky. 1,679,965; Aug. 7.
 Vanity case and powder puff, Combination. J. Hoellrigl. 1,687,451; Oct. 9.
 Vanity case, Bathing's. T. R. McDonald. 1,671,154; May 29.
 Vanity case, Combination. K. L. Allison. 1,692,194; Nov. 20.
 Vanity case or similar articles. D. Pollack. Des. 75,513; June 12.
 Vanity case, Sectional-wall. C. N. Coryell. 1,690,277; Nov. 6.
 Vanity case, Sectional-wall. C. N. Coryell. 1,690,408; Nov. 6.
 Vanity compact and cigarette lighter, Combined. A. Pollack. Des. 75,646; June 26.
 Vanity set. R. E. McEldowney. 1,657,312; Jan. 24.
 Vapor, Apparatus for producing oil. A. T. Porter. 1,687,226; Oct. 9.
 Vapor burner. C. E. Debaecker. 1,696,389; Dec. 25.
 Vapor burner. L. J. Dieu. 1,660,866; Feb. 28.
 Vapor burner. E. Schultz. 1,678,828; July 31.
 Vapor burner. R. M. Sherman. 1,676,223; July 3.
 Vapor burner, Hydrocarbon-. F. C. Tilley. 1,667,613; Apr. 24.
 Vapor-conservation system. R. S. Cunningham. 1,669,230; May 8.
 Vapor-converter substitution, Automatically-controlled. W. V. Lovell. Re17,041; July 17.
 Vapor-electric-arc apparatus. C. A. Sabbah. 1,669,147; May 8.
 Vapor electric device. L. T. Robinson and C. A. Sabbah. 1,677,689; July 17.
 Vapor extractor. M. H. Kotzebue. 1,695,192; Dec. 11.
 Vapor moistener. J. A. Peterson. 1,676,110; July 3.
 Vapor rectifier. W. Tschudy. 1,666,516; Apr. 17.
 Vapor tower. H. A. Wier. 1,664,237; Mar. 27.
 Vaporizing inhaling and bath apparatus. K. Hickox. 1,670,538; May 22.
 Vaporizer. E. R. Godward. 1,686,609; Oct. 9.
 Vaporizer. E. R. Godward. 1,686,611; Oct. 9.
 Vaporizer. G. R. Welch. 1,680,655; Aug. 14.
 Vaporizer. G. R. Welch. 1,695,833; Dec. 18.
 Vaporizer and auxiliary air-inlet device, Combined fuel. H. S. Knight. 1,680,152; Aug. 7.
 Vaporizer and mixer, Fuel. F. A. Smith. 1,661,773; Mar. 6.
 Vaporizer, Carbureting. A. Coleman. 1,692,078; Nov. 20.
 Vaporizer, Exhaust-heated oil. G. R. Welch. 1,688,604; Oct. 23.
 Vaporizer for internal-combustion engine. M. Woodsome. 1,663,931; Mar. 27.
 Vaporizer for liquid fuel. E. R. Godward. 1,696,881; Dec. 25.
 Vaporizer for liquid fuels. E. R. Godward. 1,696,761; Dec. 25.
 Vaporizer for vacuum fumigation. S. I. Gleason. 1,668,068; May 1.
 Vaporizer, Fuel. W. H. Hill. 1,678,045; July 24.
 Vaporizer, Fuel. L. C. Smith. 1,691,615; Nov. 13.
 Vaporizer, Heavy-oil. D. T. Scott. 1,658,538; Feb. 7.
 Vaporizer, Liquid. H. G. Donald. 1,694,936; Dec. 11.
 Vaporizer, Liquid-fuel. M. T. Bryan. 1,682,065; Aug. 28.
 Vaporizers, Supporting means for. C. C. Spreen. 1,688,897; Oct. 23.
 Vaporizing device. G. M. Holley. 1,681,937; Aug. 28.
 Vapors and gases from galvanic-technical tanks, Withdrawal of. W. A. F. Pfannhauser. 1,664,482; Apr. 3.
 Vapors, Apparatus for producing and using cold. G. F. Nelson. 1,659,663; Feb. 21.
 Vapors, Fractional condensation of mixed. L. Welsberg. 1,676,232; July 3.
 Vapors from annealing receptacles, Device for removing. T. Stassinot. 1,656,611; Jan. 17.
 Vapors, Recovery of. R. T. Osborn. 1,685,501; Sept. 25.
 Variable element. W. Kaisling. 1,663,010; Mar. 20.
 Variable-load device. J. C. McCune. 1,685,856; Oct. 2.
 Variable-resistance. E. C. Ballman. 1,677,886; July 24.
 Variable-resistance indicator. T. M. Eynon. 1,664,250; Mar. 27.
 Variocoupler. E. R. Morton. 1,661,380; Mar. 6.
 Variometer. L. L. Jones. 1,664,513; Apr. 3.
 Varnish. C. Ellis. 1,695,642; Dec. 18.
 Varnish and paint removing compound. F. H. Brahnard. 1,657,147; Jan. 24.
 Varnish, Thinning. A. L. Brown. 1,660,914; Feb. 28.
 Varnish-treating apparatus. R. D. Malley. 1,672,331; June 5.
 Varnish upon all materials. Obtaining adherent and brilliant coats of. M. A. V. C. Georges Ville. 1,669,816; May 15.
 Vase. R. Haley. Des. 74,882; Apr. 10.
 Vase, Glass. N. Kopp. Des. 76,245; Sept. 4.
 Vase or similar article. H. L. Budd. Des. 75,825; July 24.
 Vase, Prayer. B. F. Murphy. 1,660,760; Feb. 28.
 Vat. C. Pauly. 1,693,249; Nov. 27.
 Vault. R. L. Folmar. 1,683,537; Sept. 4.
 Vault and sealing same, Burial. J. J. Scheel. 1,680,642; Aug. 14.
 Vault, Burial. W. J. Gorman. 1,691,568; Nov. 13.
 Vault, Burial. R. C. Plaggmire. 1,663,464; Mar. 20.
 Vault, Burial. M. E. Stow. 1,690,560; Nov. 6.
 Vault, Grave. L. Gschwind. 1,657,305; Jan. 24.
 Vault, Grave. H. R. Rick. 1,666,148; Apr. 17.
 Vault lid, Burial. I. E. Sarber. 1,656,571; Jan. 17.
 Vault reinforcing, Bank-. S. Macomber. 1,669,988; May 15.
 Vault, Safety-deposit. C. N. Dilatash. 1,687,431; Oct. 9.
 Vault ventilator. R. R. West. 1,666,519; Apr. 17.
 Vaults, Air-vent means for. J. P. Williams. 1,666,673; Apr. 17.
 Vegetable cutter. J. A. Bogdonawich. 1,677,543; July 17.
 Vegetable cutter. E. B. Breikrentz. 1,656,415; Jan. 17.
 Vegetable cutter. M. Kery. 1,691,483; Nov. 13.
 Vegetable cutter. C. Russo. 1,685,245; Sept. 25.
 Vegetable cutter. A. Stoltenberg. 1,662,036; Mar. 6.
 Vegetable cutter. E. J. Sweeney. 1,672,045; June 5.
 Vegetable fibrous material, Separating. S. D. Wells. 1,654,624; Jan. 3.
 Vegetable material and producing same, Permanent-finish. A. Bodmer. 1,666,082; Apr. 17.
 Vegetable-matter drier. L. P. Caldwell. 1,666,617; Apr. 17.
 Vegetable-pulping machine. J. Schmidt. 1,683,705; Sept. 11.
 Vegetation, Apparatus for treating. W. W. Wheeler. 1,669,435; May 15.
 Vehicle. I. H. Athey. 1,659,073; Feb. 14.
 Vehicle. U. Barei. 1,655,353; Jan. 3.
 Vehicle. H. Perrot. 1,689,749; Oct. 30.
 Vehicle. E. C. Renaud. 1,658,302; Feb. 7.
 Vehicle. A. Vaszin. 1,664,437; Apr. 3.
 Vehicle. O. F. Warhus. 1,673,786; June 12.
 Vehicle accessory motors, Operating motor-. J. B. Oishel. 1,694,279; Dec. 4.
 Vehicle-actuated gate. N. A. McClary. 1,672,723; June 5.
 Vehicle, Air. I. B. Humphreys. 1,688,186; Oct. 16.
 Vehicle alarm. A. V. Locke. 1,684,591; Sept. 18.
 Vehicle and steering device, Motor. F. B. Barshell. 1,681,893; Aug. 21.
 Vehicle and walker, Combination. R. C. Bender. 1,662,292; Mar. 13.
 Vehicle, Aquatic. J. F. Caldwell. 1,687,194; Oct. 9.
 Vehicle, Attachment for automotive. J. J. Hillery. 1,678,007; July 24.
 Vehicle attachment, Motor-. E. J. Hall. 1,672,120; June 5.
 Vehicle, Auto marine. A. E. Cook. 1,678,180; July 24.
 Vehicle, Auto marine. A. E. Cook. 1,686,517; Oct. 9.
 Vehicle, Automotive. G. H. Curtiss. 1,659,943; Feb. 21.
 Vehicle, Automotive. G. H. Curtiss. 1,682,324; Aug. 28.
 Vehicle body, Safety. S. M. Code. 1,657,614; Jan. 31.
 Vehicle bodies, Apparatus for cleaning. H. D. Parker. 1,654,664; Jan. 3.
 Vehicle bodies, Door for. P. E. Breneman. 1,655,592; Jan. 10.
 Vehicle bodies, Drip molding for. W. Marshall. 1,670,465; May 22.
 Vehicle bodies, Making motor-. H. J. Coyne. 1,686,555; Oct. 9.
 Vehicle bodies, Suspension for. B. F. Seymour. 1,679,840; Aug. 7.
 Vehicle body. P. E. Breneman. 1,687,234; Oct. 9.
 Vehicle body. P. E. Breneman. 1,693,836; Dec. 4.
 Vehicle body. R. B. Fageol. Des. 74,259; Jan. 17.
 Vehicle body. R. B. Fageol. Des. 74,261; Jan. 17.
 Vehicle body. J. L. Hogland. 1,695,491; Dec. 18.
 Vehicle body. F. T. Houle. 1,683,467; Sept. 4.
 Vehicle body. A. F. Masury and C. Froesch. 1,661,187; Mar. 6.
 Vehicle body. A. H. Walker. 1,673,853; June 19.
 Vehicle body and constructing the same. H. C. Maisie. 1,682,532; Aug. 28.
 Vehicle body and method of handling goods, Pick-up. W. H. Clarke and B. G. Cook. 1,678,329; July 24.
 Vehicle body, Closed. A. E. Northrup. Des. 76,410; Sept. 25.
 Vehicle body, Closed road-motor-. C. T. Weymann. 1,694,572; Dec. 11.
 Vehicle body construction. C. T. Hansen. 1,669,826; May 15.
 Vehicle body construction. C. T. Hansen. 1,674,394; June 19.
 Vehicle-body construction. N. Milner. 1,682,231; Aug. 28.
 Vehicle body construction. M. W. Moesta. 1,679,094; July 31.
 Vehicle body, Convertible. F. A. Laubenthal. 1,659,741; Feb. 21.
 Vehicle body, Metallic-framed sectional. P. E. Breneman. 1,659,350; Feb. 14.
 Vehicle body, Motor-. W. E. Avril. Des. 76,447; Oct. 2.
 Vehicle boiler, Steam automotive. A. C. Staley. 1,664,328; Mar. 27.
 Vehicle bolster. C. W. White. 1,656,461; Jan. 17.
 Vehicle brake. H. C. Chase. 1,696,879; Dec. 25.
 Vehicle brake. L. Coatsen. Re16,918; Mar. 27.
 Vehicle brake. S. G. Down. 1,660,481; Feb. 28.
 Vehicle brake. R. G. Ellis. 1,665,538; Apr. 10.
 Vehicle brake. J. Fejes. 1,656,189; Jan. 17.
 Vehicle brake. J. Fejes. 1,666,372; Apr. 17.
 Vehicle brake. H. Fereday. 1,666,817; Apr. 17.
 Vehicle brake. E. B. Flanagan. 1,678,427; July 24.

- Vehicle brake. E. B. Flanagan. 1,694,776; Dec. 11.
 Vehicle brake. S. E. Griffith. 1,683,665; Sept. 11.
 Vehicle brake. B. A. Lareva. 1,677,481; July 17.
 Vehicle brake. R. V. Lipe. 1,686,870; Oct. 9.
 Vehicle brake. S. Quisling. 1,695,901; Dec. 18.
 Vehicle brake. G. J. Rackham. 1,696,729; Dec. 25.
 Vehicle brake. A. G. Rayburn. 1,660,176; Feb. 21.
 Vehicle brake. J. S. Reynolds. 1,691,083; Nov. 13.
 Vehicle brake. H. W. Rodenbeck. 1,693,466; Nov. 27.
 Vehicle brake. R. S. Sanford. Re17,147; Nov. 27.
 Vehicle brake. R. S. Sanford. 1,668,338; May 1.
 Vehicle brake. E. W. Seaholm. 1,655,166; Jan. 3.
 Vehicle brake. F. W. Slack. 1,688,358; Oct. 23.
 Vehicle brake. C. Z. Smith. 1,673,716; June 12.
 Vehicle brake. G. H. Vinette. 1,669,072; May 8.
 Vehicle brake, Child's. F. A. Hamel. 1,667,982; May 1.
 Vehicle brake construction. L. A. Martinelli and F. E. Culverwell. 1,661,435; Mar. 6.
 Vehicle brake, Fluid-pressure-operated. V. I. Zelov. 1,662,096; Mar. 13.
 Vehicle brake, Motor-. E. G. Gunn. 1,682,783; Sept. 4.
 Vehicle brake, Motor-. A. Moorhouse. 1,665,376; Apr. 10.
 Vehicle brake, Motor-. C. D. Stewart. 1,657,557; Jan. 31.
 Vehicle brake-operating means. B. M. Schauman and J. F. Milligan. 1,662,868; Mar. 20.
 Vehicle brake, Road-. F. H. Royce and A. J. Rowledge. 1,672,091; June 5.
 Vehicle brake system. D. Marley. 1,666,390; Apr. 17.
 Vehicle brakes, Antisqueak device for. J. S. Gard. 1,664,855; Apr. 3.
 Vehicle braking mechanism. A. T. Peterson. 1,666,349; Apr. 17.
 Vehicle braking system. A. Y. Dodge. 1,659,087; Feb. 14.
 Vehicle bumper. G. F. Egan. 1,668,058; May 1.
 Vehicle bumper-cushioning device. A. M. Weiland. 1,655,777; Jan. 10.
 Vehicle chassis. G. W. Ray. 1,664,131; Mar. 27.
 Vehicle checking device. B. D. Dykes. 1,667,725; May 1.
 Vehicle, Child's. R. W. Cash. 1,684,298; Sept. 11.
 Vehicle, Child's. B. F. Colvin. 1,683,240; Sept. 4.
 Vehicle, Child's. N. H. Davis. 1,683,872; Sept. 11.
 Vehicle, Child's. H. H. Edele. 1,677,586; July 17.
 Vehicle, Child's. F. A. Hamel. 1,657,080; Jan. 24.
 Vehicle, Child's. S. Otani. 1,658,494; Feb. 7.
 Vehicle, Child's. E. Reek. Des. 74,803; Mar. 27.
 Vehicle, Child's. F. F. Taylor. Des. 76,829; Nov. 6.
 Vehicle, Child's. J. J. and W. A. Tischler. Des. 76,503; Oct. 2.
 Vehicle, Concrete-transporting. J. D. Powell. 1,674,989; June 26.
 Vehicle construction. A. E. Norris. 1,671,682; May 29.
 Vehicle construction, Automotive. J. M. Goldberg. 1,662,246; Mar. 13.
 Vehicle construction, Motor-. D. F. Domizi. 1,672,515; June 5.
 Vehicle construction, Motor-. D. F. Domizi. 1,677,917; July 24.
 Vehicle construction, Motor-. C. F. Drumm, Jr., and H. B. Shields. 1,656,942; Jan. 24.
 Vehicle control. J. G. Carroll. 1,691,046; Nov. 13.
 Vehicle control. L. Oldfield and C. R. Rowison. 1,671,375; May 29.
 Vehicle control system, Motor-. J. J. Gardner. 1,682,781; Sept. 4.
 Vehicle controlling apparatus. J. Lusse. 1,665,103; Apr. 3.
 Vehicle controlling means. D. E. Gordon and G. S. Frazer. 1,690,973; Nov. 6.
 Vehicle, Convertible. F. Cornil. 1,659,517; Feb. 14.
 Vehicle direction indicators, Attachment for. A. J. Allard. 1,674,494; June 19.
 Vehicle, Double-deck passenger. M. J. Forrester. 1,694,007; Dec. 4.
 Vehicle drive. H. H. Linn. 1,685,641; Sept. 25.
 Vehicle driving apparatus and system. A. V. Livingston. 1,655,231; Jan. 3.
 Vehicle-driving mechanism, Motor-. E. W. Templin. 1,665,865; Apr. 10.
 Vehicle, Dumping. H. C. Heaton. 1,684,095; Sept. 11.
 Vehicle, Endless-track. O. S. Penn. 1,683,407; Sept. 4.
 Vehicle, Endless-track-propelled. E. J. Wilson. 1,673,541; June 12.
 Vehicle, Foot-power. C. Dahl. 1,687,715; Oct. 16.
 Vehicle for children. C. H. Boardman. 1,677,017; July 10.
 Vehicle for receiving and transporting refuse and the like. H. Neuy. 1,686,167; Oct. 2.
 Vehicle for transporting heavy loads. F. M. Reid. 1,673,846; June 19.
 Vehicle for transporting pipes and other loads. W. R. Hume. 1,662,923; Mar. 20.
 Vehicle frame. D. G. Mackenzie. 1,676,342; July 10.
 Vehicle frame, Motor-. C. R. Short and V. Hughes. 1,672,179; June 5.
 Vehicle gate, Automatic. A. L. Hughes. 1,677,345; July 17.
 Vehicle having brakes. B. Jerome and W. D. Appel. 1,672,161; June 5.
 Vehicle heater, Motor-. J. H. Gould. 1,676,021; July 3.
 Vehicle heater, Motor-. D. Hill. 1,684,672; Sept. 18.
 Vehicle heater, Motor-. E. Ryder. 1,684,599; Sept. 18.
 Vehicle, Heavy-duty. F. M. Reid. 1,690,247; Nov. 6.
 Vehicle, High-speed self-laying-track. W. H. Smyth. 1,660,103; Feb. 21.
 Vehicle impact bar. H. Taylor. 1,663,424; Mar. 20.
 Vehicle jack. J. W. Derrick. 1,661,882; Mar. 6.
 Vehicle jack. L. E. Engel. 1,660,603; Feb. 28.
 Vehicle jack. R. G. McKee. 1,687,503; Oct. 16.
 Vehicle jack. S. M. Salkind. 1,682,856; Sept. 4.
 Vehicle, Juvenile. H. L. Kraeft. 1,694,183; Dec. 4.
 Vehicle, Juvenile. C. W. White. 1,655,174; Jan. 3.
 Vehicle lamp door. H. C. Doane. Des. 74,597; Mar. 6.
 Vehicle lamp door. L. O. Parker. Des. 74,623; Mar. 6.
 Vehicle, Land. M. Spurlock. 1,655,668; Jan. 10.
 Vehicle, Land and water. R. E. Howell. 1,672,613; June 5.
 Vehicle, Land and water. G. E. Powell. 1,677,846; July 17.
 Vehicle light. J. S. Anderson. 1,685,622; Sept. 25.
 Vehicle light, Motor-. A. Schlabbach. 1,672,344; June 5.
 Vehicle, Motor. C. S. Ash. 1,669,731; May 15.
 Vehicle, Motor. L. G. Bartlett. 1,681,319; Aug. 21.
 Vehicle, Motor. R. De Palma. 1,673,809; June 19.
 Vehicle, Motor. A. Duresen. 1,689,582; Oct. 30.
 Vehicle, Motor. E. C. G. England. 1,666,814-15; Apr. 17.
 Vehicle, Motor. R. B. Fageol. 1,660,189; Feb. 21.
 Vehicle, Motor. S. A. Gibson. 1,682,782; Sept. 4.
 Vehicle, Motor. W. Hale. 1,672,212; June 5.
 Vehicle, Motor. M. Hendrickson. 1,658,164; Feb. 7.
 Vehicle, Motor. A. Moorhouse. 1,682,792; Sept. 4.
 Vehicle, Motor. C. A. Neracher. 1,660,880; Feb. 28.
 Vehicle, Motor. R. E. Patton. 1,672,279; June 5.
 Vehicle, Motor. G. K. Pennington. 1,684,070; Sept. 11.
 Vehicle, Motor. L. Raab. 1,681,885; Aug. 21.
 Vehicle, Motor. H. H. Schieler. 1,676,357; July 10.
 Vehicle, Motor. M. Tibbets. 1,676,878; July 10.
 Vehicle, Motor. M. Tibbets. 1,692,965; Nov. 27.
 Vehicle, Motor. R. A. Weinhardt. 1,668,178; May 1.
 Vehicle, Motor. R. A. Weinhardt. 1,668,295; May 1.
 Vehicle, Motor. L. A. Wright. 1,692,881; Nov. 27.
 Vehicle, Motor and other. H. D. Gillies. 1,686,209; Oct. 2.
 Vehicle, Motor-driven. L. W. Melcher. 1,691,579; Nov. 13.
 Vehicle, Motor-driven. R. Varley. 1,658,911; Feb. 14.
 Vehicle, Motor-driven rail. J. Buchli. 1,655,409; Jan. 10.
 Vehicle, Motor-driven rail. J. Buchli. 1,656,902; Jan. 24.
 Vehicle mounting. J. M. Maurer. 1,673,467; June 12.
 Vehicle-operated switch. A. O. Peterson. 1,695,121; Dec. 11.
 Vehicle, Passenger. J. L. Delpini. 1,662,961; Mar. 20.
 Vehicle, pedal-propelled. F. H. Headley. 1,687,334; Oct. 9.
 Vehicle pole tip. N. J. Soderstrom. 1,682,859; Sept. 4.
 Vehicle power brake, Motor-. A. W. Harrison. 1,677,633; July 17.
 Vehicle, Power-driven. G. Grist. 1,663,299; Mar. 20.
 Vehicle, Power-driven. H. Herrmann. 1,683,776; Sept. 11.
 Vehicle propelled by steppers. A. Ehrlich. 1,691,233; Nov. 13.
 Vehicle-propelling device. E. A. Kinch. 1,669,906; May 15.
 Vehicle propelling mechanism. A. L. Langenfeld. 1,659,297; Feb. 14.
 Vehicle, Rail. J. Geiger. 1,679,469; Aug. 7.
 Vehicle, Railway. H. A. Houston. 1,680,417; Aug. 14.
 Vehicle, Railway and tramway. H. N. Gresley. 1,674,778; June 26.
 Vehicle rim. J. Luebbert. 1,660,998; Feb. 28.
 Vehicle, Road. R. B. Fageol. 1,660,188; Feb. 21.
 Vehicle, Road. R. B. Fageol. 1,692,891; Nov. 27.
 Vehicle seat, Adjustable. R. E. Bowen. 1,685,770; Oct. 2.
 Vehicle, Self-loading. J. N. Shanks. 1,682,352; Aug. 28.
 Vehicle side and window washing machine. J. R. Fitzpatrick. 1,666,170; Apr. 17.
 Vehicle signal. V. Altman. 1,683,278; Sept. 4.
 Vehicle signal. J. S. Anderson. 1,675,017; June 26.
 Vehicle signal. R. A. Connor. 1,673,061; June 12.
 Vehicle, Signal. O. A. Copple. Des. 76,287; Sept. 11.
 Vehicle signal. W. Critser. 1,664,063; Mar. 27.
 Vehicle signal. P. Di Pietro and H. M. Edwards. 1,658,975; Feb. 14.
 Vehicle signal. R. M. Everett. 1,663,691; Mar. 27.
 Vehicle signal. J. B. Gabrielson. 1,669,332; May 8.
 Vehicle signal. A. L. Johnson. 1,670,115; May 15.
 Vehicle signal. A. J. Massey. 1,665,315; Apr. 10.
 Vehicle signal. J. H. Reed. 1,692,516; Nov. 20.
 Vehicle signal. P. Strang. 1,673,647; June 12.
 Vehicle signal. J. H. Tann. 1,678,366; July 24.
 Vehicle signal. F. M. Vansickle. 1,654,564; Jan. 3.
 Vehicle signal. J. Weber. 1,655,833; Jan. 10.
 Vehicle signal arm. M. L. Goff. 1,695,843; Dec. 18.
 Vehicle signal casing. G. T. Smith. Des. 74,808; Mar. 27.
 Vehicle signal, Motor-. F. L. Harris. 1,686,086; Oct. 2.
 Vehicle signal switch. H. R. Van Deventer. 1,674,027; June 19.
 Vehicle spring. W. Arnolds. 1,664,655; Apr. 3.
 Vehicle spring. R. W. Davis. 1,678,035; July 24.
 Vehicle spring. S. J. Lessing. 1,691,550; Nov. 13.
 Vehicle spring. J. Parkhill. 1,678,526; July 24.
 Vehicle spring. S. S. Shears and E. K. Wilson. 1,689,458; Oct. 30.
 Vehicle spring. E. R. Wilson and S. S. Shears. 1,678,662; July 31.

- Vehicle spring construction. A. F. Masury and E. R. Gurney. 1,684,041; Sept. 11.
- Vehicle spring cover. T. Munroe. 1,694,483; Dec. 11.
- Vehicle spring mechanism. F. C. Merriell. 1,655,323; Jan. 3.
- Vehicle spring regulator. J. W. Blackledge. 1,661,650; Mar. 6.
- Vehicle spring suspension. O. Guerritore. 1,655,786; Jan. 10.
- Vehicle spring suspension. F. M. Reid. 1,681,433; Aug. 21.
- Vehicle springs and a resilient attaching means therefor, Cover for. T. Munro. 1,667,735; May 1.
- Vehicle springs, Oiling and protecting case for. R. E. Carr. 1,655,310; Jan. 3.
- Vehicle stay block. C. L. Michod. 1,662,159; Mar. 13.
- Vehicle stop. M. Stockov. 1,685,467; Sept. 25.
- Vehicle support. J. H. Valteau. 1,665,646; Apr. 10.
- Vehicle supporting device for soft roads. R. M. Cooley. 1,664,592; Apr. 3.
- Vehicle suspension. S. L. C. Coleman. 1,678,847; July 31.
- Vehicle suspension. S. L. C. Coleman. 1,691,959; Nov. 20.
- Vehicle suspension. M. Keck. 1,695,379; Dec. 18.
- Vehicle suspension. H. G. McComb. 1,689,883; Oct. 30.
- Vehicle suspension. C. F. Rodin. 1,685,295; Sept. 25.
- Vehicle suspension means. L. M. Walden. 1,691,217; Nov. 13.
- Vehicle tank. A. Davis, jr. 1,661,324; Mar. 6.
- Vehicle, Three-axled motor. H. Blumer. 1,679,805; Aug. 7.
- Vehicle, Tipping. S. E. Alley and A. C. Hutt. 1,674,495; June 19.
- Vehicle top. M. J. Forrester. 1,675,539; July 3.
- Vehicle traffic signal, Motor-. C. B. Ferro. 1,677,624; July 17.
- Vehicle transmission mechanism, Motor-. F. M. Kincaid. 1,668,210; May 1.
- Vehicle transmission shafts, Speed-equalizing means for motor-. J. S. Alspaugh. 1,666,766; Apr. 17.
- Vehicle, Transporting. J. L. Delphini. 1,662,376; Mar. 13.
- Vehicle tread. N. M. Gingold. 1,657,534; Jan. 31.
- Vehicle truck bed. J. R. Fell. 1,682,610; Aug. 23.
- Vehicle ventilator. W. S. Hamm. 1,663,630; Mar. 27.
- Vehicle ventilator. M. A. Nosal. 1,674,373; June 19.
- Vehicle ventilator. J. H. Parsons. 1,664,829; Apr. 3.
- Vehicle washer. E. H. Lostetter. 1,680,796; Aug. 14.
- Vehicle wheel. F. W. Baker. 1,693,360; Nov. 27.
- Vehicle wheel. W. N. Booth. 1,665,437; Apr. 10.
- Vehicle wheel. W. N. Booth. 1,667,024; Apr. 24.
- Vehicle wheel. W. N. Booth. 1,670,491; May 22.
- Vehicle wheel. W. N. Booth. 1,679,113; July 31.
- Vehicle wheel. H. F. Frease. 1,661,117; Feb. 28.
- Vehicle wheel. J. E. Hale. 1,665,880; Apr. 10.
- Vehicle wheel. C. J. Hug. 1,673,147; June 12.
- Vehicle wheel. J. T. Kennedy. 1,669,089; May 8.
- Vehicle wheel. A. Meldrum. 1,680,160; Aug. 7.
- Vehicle wheel. F. L. Minnick. 1,673,840; June 19.
- Vehicle wheel. N. L. Olson. 1,665,471; Apr. 10.
- Vehicle wheel. T. H. Rushton. 1,672,908; June 12.
- Vehicle wheel. J. L. Stoltz. 1,673,056; June 12.
- Vehicle wheel. J. G. Swain. 1,690,999; Nov. 6.
- Vehicle wheel. J. H. Wagenhorst. 1,657,703; Jan. 31.
- Vehicle wheel. J. H. Wagenhorst. 1,676,303; July 10.
- Vehicle wheel. J. H. Wagenhorst. 1,679,454; Aug. 7.
- Vehicle wheel, Metallic. J. R. Welch. 1,662,551; Mar. 13.
- Vehicle wheel, Resilient. P. Altuna. 1,678,969; July 31.
- Vehicle wheel, Two-rim. F. W. Baker. 1,685,974; Oct. 2.
- Vehicle wheels, Forming demountable-rim-securing members for. A. L. Putnam. 1,656,014; Jan. 10.
- Vehicle with horizontal engine, Motor. F. Huber. 1,666,208; Apr. 17.
- Vehicles and marine craft, Body structure for aerial and land. U. Antoni. 1,682,262; Aug. 28.
- Vehicles, Antitheft device for motor. L. Rouanet. 1,672,426; June 5.
- Vehicles, Apparatus for braking. F. Porsche. 1,660,091; Feb. 21.
- Vehicles, Arm rest for. S. P. Nemeth. 1,660,043; Feb. 21.
- Vehicles, Attachment for motor. C. E. Ryan and T. J. Schuetz. 1,683,306; Sept. 4.
- Vehicles, Attachment for motor. C. E. Ryan and T. J. Schuetz. 1,683,307; Sept. 4.
- Vehicles, Automatically-variable flexible suspension for. J. Poyet. 1,656,074; Jan. 10.
- Vehicles, Bit rack for. C. G. Rauch. 1,674,569; June 19.
- Vehicles, Bottom delivery body for. B. V. Tucker. 1,686,776; Oct. 9.
- Vehicles, Brake-drum mount for motor. R. L. Aumack. 1,662,810; Mar. 20.
- Vehicles, Brake for. F. Cesarlo. 1,660,476; Feb. 28.
- Vehicles, Brake system for. F. H. Royce. 1,661,963; Mar. 6.
- Vehicles, Braking. C. L. Stokes. 1,667,016; Apr. 24.
- Vehicles, Braking device for. J. S. Booth. 1,657,738; Jan. 31.
- Vehicles, Braking device for. H. Pieper. 1,661,623; Mar. 6.
- Vehicles, Bumper bar for. A. H. Stokes. 1,655,579; Jan. 10.
- Vehicles, Bumper device for. H. W. Tinker. 1,655,802; Jan. 10.
- Vehicles, Bumper device for. H. W. Tinker. 1,666,317; Apr. 17.
- Vehicles, Change-speed device for automotive. R. A. Bartholomew. 1,659,232; Feb. 14.
- Vehicles, Construction of closed motor. E. Claveau. 1,674,425; June 19.
- Vehicles, Control device for motor. A. J. Heinsius. 1,657,623; Jan. 31.
- Vehicles, Controller for electric. A. M. Leoni and A. HJ. Asprooth. 1,662,386; Mar. 13.
- Vehicles, Cowl for motor. E. W. Seaholm and H. J. Earl. Des. 74,393; Feb. 7.
- Vehicles, Cushioning means for. J. A. Stevens. 1,655,204; Jan. 3.
- Vehicles, Direction indicator for. H. Kreidel. 1,661,762; Mar. 6.
- Vehicles, Direction indicator for. E. and J. Swales. 1,657,236; Jan. 24.
- Vehicles, Direction indicator for motor. H. G. Runne. Des. 74,576; Feb. 28.
- Vehicles, Directional signal for. O. F. Weiss. 1,656,254; Jan. 17.
- Vehicles, Direction signal for motor. I. A. Davis. 1,656,144; Jan. 10.
- Vehicles, Drive for motor. C. Froesch. 1,660,669; Feb. 28.
- Vehicles, Driving and controlling mechanism for motor. C. A. Neracher. 1,653,137; Feb. 7.
- Vehicles, Driving arrangement for electrically-driven rail. J. Buchli. 1,655,010; Jan. 3.
- Vehicles, Elastic motor mounting for. V. E. Clark and H. D. Geyer. 1,664,662; Apr. 3.
- Vehicles, Electric switch lock for automotive. W. Hemingway, jr. 1,656,584; Jan. 17.
- Vehicles, Elevated runway for. F. E. Littell. 1,656,743; Jan. 17.
- Vehicles, Foot mat and luggage and like carrier device for motor road. W. H. Bauert. 1,666,364; Apr. 17.
- Vehicles, Frame construction for motor. H. D. Church. 1,657,853; Jan. 31.
- Vehicles, Frame construction for motor. J. H. Clark. 1,659,017; Feb. 14.
- Vehicles, Front-wheel drive for motor. F. B. Hamlin. 1,676,436; July 10.
- Vehicles, Gas and electric drive for. C. I. Kimura. 1,671,033; May 22.
- Vehicles, Gas electric drive for. T. S. Kemble. 1,659,690; Feb. 21.
- Vehicles having handle bars, Controlling means of variable-speed gearing for motor. A. Sanguineti. 1,666,793; Apr. 17.
- Vehicles, Hood fitting for motor and other. G. Salmons and A. H. Dalby-Balls. 1,674,573; June 19.
- Vehicles, Hydraulic braking system for motor. G. E. A. Hallett. 1,664,680; Apr. 3.
- Vehicles, Hydraulic power-transmitting apparatus for motor. C. R. Radcliffe. 1,667,565; Apr. 24.
- Vehicles, Inclined-plane switch and curved-track frame for field railway. M. Eichelgrün. 1,654,869; Jan. 3.
- Vehicles, Insulating protector for multiple conduits on an electric. O. R. Schumann. 1,659,334; Feb. 14.
- Vehicles, Lighting device for. J. E. Pearson. 1,660,523; Feb. 28.
- Vehicles, Lighting system for. E. Weil. 1,655,851; Jan. 10.
- Vehicles, Locking device for motor. O. A. Anderson. 1,662,099; Mar. 13.
- Vehicles, Luggage carrier for. A. J. Hayden. 1,660,613; Feb. 28.
- Vehicles, Material discharge and conveying means for motor. G. Bernert. 1,670,133; May 15.
- Vehicles, Method of and apparatus for controlling power-driven. A. D. Skinner. 1,675,388; July 3.
- Vehicles, Multiwheel drive for. A. F. Masury and C. Froesch. 1,682,299; Aug. 28.
- Vehicles, Parking-brake attachment for motor. 1,665,415; Apr. 10.
- Vehicles, Pneumatic suspension device for. E. J. Laugaudin. 1,680,890; Aug. 14.
- Vehicles, Propelling and transmission mechanism for. O. F. Warhus. 1,661,780; Mar. 6.
- Vehicles, Propelling mechanism for. L. Perilli. 1,664,570; Apr. 3.
- Vehicles, Rear-end assembly for power-driven. E. F. Norelius. 1,665,470; Apr. 10.
- Vehicles, Rear shock absorber for motor. C. Schaeffer. 1,658,657; Feb. 7.
- Vehicles, Removable cushion for. J. Ledwinka. 1,664,121; Mar. 27.
- Vehicles, Resilient support for. C. G. Harris. 1,659,292; Feb. 14.
- Vehicles, Resilient suspension device for. J. Bertrand. 1,671,506; May 29.
- Vehicles, Resilient suspension for motor. G. Veglio. 1,675,963; July 3.
- Vehicles, Route indicator for propelled. R. M. Weeks. 1,662,352; Mar. 13.
- Vehicles, Runner attachment for. T. Harkins and N. Olson. 1,657,925; Jan. 31.
- Vehicles running on rails, Brake system for. H. Pieper. 1,661,622; Mar. 6.
- Vehicles, Safety attachment for motor-operated. H. N. Keefer. 1,670,967; May 22.
- Vehicles, Safety brake for motor-driven. D. H. Nash. 1,674,915; June 26.

- Vehicles, Safety device for. A. F. A. Auchter. 1,696,073; Dec. 18.
- Vehicles, Safety device for railway. F. Carley. 1,661,920; Mar. 6.
- Vehicles, Securing device for. J. H. Rosencrans. Re16,927; Apr. 10.
- Vehicles, Signaling device for. R. Cizek. 1,667,653; Apr. 24.
- Vehicles, Signaling device for. C. A. Guttin. 1,656,192; Jan. 17.
- Vehicles, Six-wheel attachment for. H. Y. Stebbins. 1,674,805; June 26.
- Vehicles, Sliding window for motor. L. and C. Gillig. 1,658,595; Feb. 7.
- Vehicles, Spring mounting for. D. Rawstron. 1,659,746; Feb. 21.
- Vehicles, Spring suspension for. C. W. Caldwell. 1,668,669; May 8.
- Vehicles, Spring suspension for. M. S. Field. 1,661,530; Mar. 6.
- Vehicles, Spring suspension for. H. W. Hyde. 1,661,428; Mar. 6.
- Vehicles, Spring suspension for. H. W. Hyde. 1,667,115-16; Apr. 24.
- Vehicles, Spring suspension for. H. W. Hyde. 1,677,675-6; July 17.
- Vehicles, Spring suspension for. J. A. Luke. 1,664,478; Apr. 3.
- Vehicles, Spring suspension for. O. F. Warhus. 1,667,275; Apr. 24.
- Vehicles, Springing of motor. C. E. Cottin. 1,679,853; Aug. 7.
- Vehicles, Starter control for automotive. A. Smith. 1,659,284; Feb. 14.
- Vehicles, Starting switch and control pedal for motor. F. J. Routledge. 1,660,456; Feb. 28.
- Vehicles, Steering arrangement for heavy motor. H. Schneider. 1,657,412; Jan. 24.
- Vehicles, Steering-column-locking device for motor. W. J. Lillierapp. 1,661,697; Mar. 6.
- Vehicles, Steering device for. B. Haymann. 1,659,819; Feb. 21.
- Vehicles, Supplemental spring snubbing suspension for. F. L. O. Wadsworth. 1,662,351; Mar. 13.
- Vehicles, Supporting connection for parts of motor. H. W. Bell. 1,660,029; Feb. 21.
- Vehicles, Supporting unit for. H. C. McCleary. 1,664,305; Mar. 27.
- Vehicles, Suspension device for. C. Schaeffer. 1,668,423; May 1.
- Vehicles, Suspension for. H. A. Knox. 1,673,875; June 19.
- Vehicles, Suspension of. E. Cantono. 1,657,525; Jan. 31.
- Vehicles, Suspension without axles for motor. E. M. Ballot. 1,687,191; Oct. 9.
- Vehicles, Tent attachment for. G. MacKay. 1,659,825; Feb. 21.
- Vehicles, Top for motor. C. L. Normandale. 1,666,297; Apr. 17.
- Vehicles, Traction device for. E. W. Ehlert. 1,690,970; Nov. 6.
- Vehicles, Traction device for motor. C. O. Norberg. 1,662,392; Mar. 13.
- Vehicles, Traction lug for. E. E. MacGuire. 1,676,453; July 10.
- Vehicles, Turn-signal device for. H. W. Hendricks. 1,659,466; Feb. 14.
- Vehicles, Two-motor drive for. A. H. Asprooth and A. M. Leoni. 1,678,799; July 31.
- Vehicles, Vacuum-cleaner attachment for motor. A. C. Jordanoff. 1,654,652; Jan. 3.
- Vehicles, Vacuum-cleaner attachment for motor. A. Jordanoff. 1,654,653; Jan. 3.
- Vehicles, Wheel attachment for. E. D. Roath. 1,654,755; Jan. 3.
- Vehicles, Wheel for motor. G. Fornaca. 1,660,036; Feb. 21.
- Vehicles, Window regulator for. P. Bacos. 1,666,481; Apr. 17.
- Vehicles, Winter traction equipment for motor. P. C. Laporte. 1,663,948; Mar. 27.
- Vehicular wheel. C. W. White. 1,669,223; May 8.
- Veil, Ceremonial. G. L. Dorros. 1,671,889; May 29.
- Velocipede. G. N. Madsen. 1,690,342; Nov. 6.
- Velocipede. J. F. O'Brien. 1,679,170; July 31.
- Velocipede. J. Toman. 1,677,061; July 10.
- Vending and dispensing case, Combination. G. R. Webber. Des. 75,707; July 3.
- Vending and display cabinet. S. E. Richeson. 1,673,711; June 12.
- Vending and display case, Combined. W. O. Harrison and G. W. Johnson. Des. 75,685; July 3.
- Vending apparatus, Coin-freed. L. Naunton. 1,656,752; Jan. 17.
- Vending apparatus, Liquid-. N. W. Clayton. 1,677,113; July 10.
- Vending apparatus, Liquid-. A. J. Gorlick. 1,672,254; June 5.
- Vending apparatus, Mixed-beverage-. W. C. De Armond and W. R. H. Watt. 1,681,929; Aug. 28.
- Vending container for drinks, Cooling. W. Friedman. 1,681,110; Aug. 14.
- Vending device, Towel-. O. M. Blair and W. E. Williams. 1,683,519; Sept. 4.
- Vending jar and base, Combined. O. Y. Schnering. Des. 76,427; Sept. 25.
- Vending machine. R. S. Arthur. 1,666,884; Apr. 24.
- Vending machine. R. H. Baker. 1,680,238; Aug. 7.
- Vending machine. H. W. Barson. 1,657,814; Jan. 31.
- Vending machine. M. Benedict. 1,669,547; May 15.
- Vending machine. H. M. T. Cunningham. 1,655,090; Jan. 3.
- Vending machine. B. L. Fry. 1,666,849; Apr. 17.
- Vending machine. B. L. Fry. 1,668,065; May 1.
- Vending machine. A. P. Gilbertson. 1,664,546; Apr. 3.
- Vending machine. W. Goodchild and N. Sclar. 1,677,519; July 17.
- Vending machine. M. W. Hill. 1,654,877; Jan. 3.
- Vending machine. C. Lea. 1,669,717; May 15.
- Vending machine. C. Lea. 1,683,360; Sept. 4.
- Vending machine. C. Lea. 1,694,599; Dec. 11.
- Vending machine. H. L. Lowry. 1,696,494; Dec. 25.
- Vending machine. G. Marsden. 1,689,039; Oct. 23.
- Vending machine. A. Milberg. 1,683,563; Sept. 4.
- Vending machine. B. F. Mitchusson and H. H. Larkins. 1,655,325; Jan. 3.
- Vending machine. L. H. Morin. 1,657,836; Jan. 31.
- Vending machine. L. H. Morin. 1,683,722; Sept. 11.
- Vending machine. J. R. Nolan. 1,675,510; July 3.
- Vending machine. M. G. O'Neil. 1,669,775; May 15.
- Vending machine. M. G. O'Neil. 1,684,409; Sept. 18.
- Vending machine. E. W. Peterson. 1,662,329; Mar. 13.
- Vending machine. H. H. Pulver. 1,662,472; Mar. 13.
- Vending machine. M. H. Richardson and A. D. Antoine. 1,678,650; July 31.
- Vending machine. M. H. Richardson and A. D. Antoine. 1,693,051; Nov. 27.
- Vending machine. R. C. Russell, J. A. White, and R. B. Hayden. 1,674,664; June 26.
- Vending machine. J. A. Sather. 1,686,178; Oct. 2.
- Vending machine. G. B. Smith. 1,691,998; Nov. 20.
- Vending machine. L. D. Smith. 1,688,402; Oct. 23.
- Vending machine. W. P. Smith. 1,665,989; Apr. 10.
- Vending machine. S. Spina and A. Cook. 1,691,592; Nov. 13.
- Vending machine. L. P. Starkey. 1,682,942; Sept. 4.
- Vending machine. W. J. Tintera. 1,681,601; Aug. 21.
- Vending machine. G. Weiss. 1,673,030; June 12.
- Vending machine. E. G. Wessman. 1,688,443; Oct. 23.
- Vending machine. Automatic newspaper. E. Vinogradov. 1,677,939; July 24.
- Vending-machine cabinet, Front plate for a. F. L. Mills. Des. 75,742; July 10.
- Vending-machine case. C. F. Kurtz. Re16,843; Jan. 3.
- Vending machine casing. J. W. Esworthy. Des. 74,877; Apr. 10.
- Vending-machine casing. S. Hinds. Des. 74,369-70; Feb. 7.
- Vending-machine casing. L. C. Manning. Des. 74,315; Jan. 24.
- Vending machine, Check-controlled. A. Forney. 1,678,502; July 24.
- Vending machine, Coin-controlled. B. L. Fry. 1,666,596; Apr. 17.
- Vending machine, Coin-controlled. H. Giles. 1,672,409; June 5.
- Vending machine, Coin-controlled. H. K. Lorentzen. 1,686,978; Oct. 9.
- Vending machine, Coin-controlled. G. B. Smith. 1,675,994; July 3.
- Vending machine, Coin-controlled. G. B. Smith. 1,696,365; Dec. 25.
- Vending machine, Coin-detecting. J. H. Mann, jr. 1,685,550; Sept. 25.
- Vending machine, Fluid-. C. A. Yont and J. A. Flint. 1,673,305; June 12.
- Vending machine for pencils and the like. C. A. Carlstrom. 1,671,853; May 29.
- Vending machine, Linoleum-. L. P. Rose. 1,682,802; Sept. 4.
- Vending machine, Liquid-. F. M. Gilstrap and C. S. Newberry. 1,668,897; May 8.
- Vending machine, Liquid-. L. T. Leet. 1,675,222; June 26.
- Vending machine, Liquid. L. T. Leet. 1,695,735; Dec. 18.
- Vending machine, Manually-selective. W. C. Cutler. 1,696,795; Dec. 25.
- Vending machine, Pencil-. A. B. Dishman. 1,664,286; Mar. 27.
- Vending machine, Pencil-. C. E. Parker. 1,657,694; Jan. 31.
- Vending machine, Perfume-. S. M. Coffman. 1,677,468; July 17.
- Vending machine, Perfume-. J. F. Harwood. 1,662,919; Mar. 20.
- Vending machine, Periodical-. G. H. Matchett. 1,688,821; Oct. 23.
- Vending machine, Single-package-. H. R. Mitchell. 1,661,440; Mar. 6.
- Vending machine, Stationery. J. E. Bartlett. 1,657,364; Jan. 24.
- Vending machine, Variety. V. H. Kelley. 1,683,251; Sept. 4.
- Vending machines, Coin-controlled mechanism for. J. R. Nolan. 1,675,511; July 3.
- Vending machines, Coin-controlled mechanism for. L. A. Vandiver. 1,662,221; Mar. 13.
- Vending machines, Coin-controlled mechanism for use with. L. T. Leet. 1,666,242; Apr. 17.

- Vending stand. A. C. Crimmel. Des. 76,988; Nov. 27.
Veneer and method of manufacturing. J. McIntosh. 1,661,901; Mar. 6.
Veneer-cutting-machine attachment. J. F. Hyland. 1,662,314; Mar. 13.
Veneer machine. S. M. Friede. 1,670,657; May 22.
Veneer, Stone. G. B. Bergen, sr. 1,664,964; Apr. 3.
Veneer, wall board, and the like, Drier for. A. J. Vance. 1,656,802; Jan. 17.
Veneering brick, Machine for. E. V. Poston. 1,695,123; Dec. 11.
Vent and pressure fitting for liquid containers, Air. G. P. Sorensen. 1,680,815; Aug. 14.
Vent and soil-pipe fitting, Combination. B. Drawe. 1,671,278; May 29.
Vent for bottles and other liquid containers, Automatic. O. Porter. 1,694,754; Dec. 11.
Vent for gas stoves, Gas. F. E. Wilt. 1,695,308; Dec. 18.
Vent, Speech. H. J. Thielker. 1,686,942; Oct. 9.
Ventilating and deflecting of air through railway cars. A. Sturrock. 1,694,993; Dec. 11.
Ventilating apparatus. F. C. Duerk. 1,687,156; Oct. 9.
Ventilating apparatus. A. A. Feinberg. 1,695,804; Dec. 18.
Ventilating apparatus. M. H. Miller. 1,691,162; Nov. 13.
Ventilating apparatus. W. J. Montgomery. 1,665,039; Apr. 3.
Ventilating apparatus. W. J. Montgomery. 1,665,174; Apr. 3.
Ventilating apparatus. I. C. Sternberg. 1,695,784; Dec. 18.
Ventilating apparatus for toilet bowls. E. E. Neal. 1,667,265; Apr. 24.
Ventilating apparatus for vehicle bodies. F. W. B. Achen. 1,670,090; May 15.
Ventilating attachment for milk-can covers. W. McCallum. 1,675,503; July 3.
Ventilating device. A. F. Knowles. 1,679,773; Aug. 7.
Ventilating device. A. N. and B. L. Longfield. 1,668,854; May 8.
Ventilating device. C. A. Moore. 1,672,272; June 5.
Ventilating device. R. R. Russell and J. S. White. 1,693,497; Nov. 27.
Ventilating device. G. R. Siefken. 1,678,654; July 31.
Ventilating device for engine crank cases. C. E. Summers. 1,682,992; Sept. 4.
Ventilating device for tank vessels. J. Mulder and D. C. Endert, jr. 1,679,678; Aug. 7.
Ventilating foot covering. O. P. Williams, sr. 1,660,698; Feb. 28.
Ventilating means for boots and shoes. M. A. Shanhan. 1,696,457; Dec. 25.
Ventilating means, Propeller-. F. Charavay. 1,657,496; Jan. 31.
Ventilating screen. H. H. Everhard. 1,695,091; Dec. 11.
Ventilating strips for transformers, Making. F. H. Tupper. Re17,048; July 24.
Ventilating system. H. B. Burke. 1,657,066; Jan. 24.
Ventilating system. W. L. Fleisher. 1,670,656; May 22.
Ventilating system. C. Froesch. 1,663,650; Mar. 27.
Ventilating system. F. E. McDevitt and H. A. Colburn. 1,690,905; Nov. 6.
Ventilating system. A. V. Verville. 1,674,535; June 19.
Ventilating system, Crank-case. R. K. Jack. 1,686,007; Oct. 2.
Ventilating system for stock buildings. A. Zacharias. 1,670,872; May 22.
Ventilating system for vehicles of the type known as tanks. H. A. Knox and B. F. Baker. 1,660,269; Feb. 21.
Ventilation element for wall construction and the like. D. W. Barrie. 1,686,118; Oct. 2.
Ventilation of automobile radiators, Apparatus for controlling the. C. H. Gamble. 1,692,031; Nov. 20.
Ventilation of dynamo-electric machines. E. G. Sohliberg. 1,694,990; Dec. 11.
Ventilation system. R. V. Long. 1,654,981; Jan. 3.
Ventilation system, Forced-. T. J. Power. 1,695,820; Dec. 18.
Ventilation system for internal-combustion engines, Crank-case. F. O. Clements. 1,690,332; Nov. 6.
Ventilation, System of vertical differential. A. Knapen. 1,689,246; Oct. 30.
Ventilator: See—
Car ventilator. Roof ventilator.
Closet ventilator. Rotary ventilator.
Cowl ventilator. Stovepipe ventilator.
Exhaust ventilator. Tobacco-pipe ventilator.
Flexible ventilator. Vault ventilator.
Louver ventilator. Vehicle ventilator.
Louvered ventilator. Wall louver ventilator.
Mattress ventilator. Window ventilator.
Ventilator. T. H. Affleck and C. L. Madden. 1,654,715; Jan. 3.
Ventilator. N. Bastien. 1,654,855; Jan. 3.
Ventilator. R. R. Blesie. 1,658,663; Feb. 7.
Ventilator. J. H. Clark. 1,688,069; Oct. 16.
Ventilator. J. M. Coughlin. 1,676,324; July 10.
Ventilator. F. Decelle. 1,689,425; Oct. 30.
Ventilator. F. Dely. 1,677,711; July 17.
Ventilator. O. W. Dennis. 1,693,108; Nov. 27.
Ventilator. W. Dicks. 1,682,605; Aug. 28.
Ventilator. D. A. Elliott. 1,665,130; Apr. 3.
Ventilator. E. H. Ellison. 1,683,820; Sept. 11.
Ventilator. R. H. Fager. 1,673,906; June 19.
Ventilator. F. B. Fowler. 1,690,445; Nov. 6.
Ventilator. J. C. Giguere. 1,691,239; Nov. 13.
Ventilator. J. P. Glaser. 1,696,000; Dec. 18.
Ventilator. H. N. Hansen. 1,691,283; Nov. 13.
Ventilator. H. Y. Hodge. 1,660,793; Feb. 28.
Ventilator. J. Linz. 1,664,456; Apr. 3.
Ventilator. A. O. Miller. 1,687,843; Oct. 16.
Ventilator. C. T. Miller. 1,669,722; May 15.
Ventilator. W. S. Miller. 1,678,743; July 31.
Ventilator. F. N. Nelson. 1,667,736; May 1.
Ventilator. L. S. Pratt. 1,673,707; June 12.
Ventilator. A. L. Riker. 1,655,073; Jan. 3.
Ventilator. A. L. Riker. 1,666,218; Apr. 17.
Ventilator. O. W. Sammet. 1,659,786; Feb. 21.
Ventilator. M. D. Swift. 1,673,379; June 12.
Ventilator. G. C. Tierney. 1,696,423; Dec. 25.
Ventilator. E. Van Noorden. 1,671,171; May 29.
Ventilator. W. C. Williams. 1,672,291; June 5.
Ventilator. C. M. Wills. 1,674,186; June 19.
Ventilator and canopy, Combination. R. G. W. Mayhood. 1,666,101; Apr. 17.
Ventilator for automobiles. M. Podnar. 1,660,524; Feb. 28.
Ventilator for automobiles, Suction element and suction. J. H. Lutz. 1,676,269; July 10.
Ventilator for chimneys. A. McDonald and W. O. Smith. 1,685,170; Sept. 25.
Ventilator for closed cars. J. O. Smith. 1,660,893; Feb. 28.
Ventilator for closed vehicles. D. M. Winans. 1,680,966; Aug. 14.
Ventilator for farm buildings. C. A. Hosier. 1,686,858; Oct. 9.
Ventilator for motor vehicles. B. J. Hubbard. 1,669,396; May 8.
Ventilator for poultry cars. F. Schuetz. 1,670,784; May 22.
Ventilator for window sashes. S. A. Kinkel. 1,693,519; Nov. 27.
Ventilator-system intake. W. F. Droeger. 1,674,195; June 19.
Vernier dial. L. Bonsieur. 1,658,512; Feb. 7.
Vessel, Aerial. O. L. Dally. 1,665,533; Apr. 10.
Vessel closure. W. P. Henry. 1,670,450; May 22.
Vessel closure. J. Wuest and F. Ludwig. 1,674,675; June 26.
Vessel, Electric heating. C. Endorf. 1,689,915; Oct. 30.
Vessel, Floating. J. W. Isherwood. 1,658,336; Feb. 7.
Vessel-handling device. M. Jaeger. 1,679,527; Aug. 7.
Vessel, Marine. R. Miller. 1,663,347; Mar. 20.
Vessel with handles. R. Rueff. 1,681,197; Aug. 21.
Vessels, Apparatus for making sheet-metal. M. A. Rollman. 1,679,629; Aug. 7.
Vessels, Bail ear for. R. P. White. 1,665,829; Apr. 10.
Vessels, Construction of floating. J. W. Isherwood. 1,674,471; June 19.
Vessels, Protective device for. P. Calamita. 1,657,915; Jan. 31.
Vest. F. A. Bieberstein. 1,667,526; Apr. 24.
Vest. F. A. Bieberstein. 1,677,913; July 24.
Vest. R. E. Davis. 1,656,145; Jan. 10.
Vestibule heater. W. G. Hartwig. 1,674,643; June 26.
Veterinary implement. P. F. Lauwagie and J. P. Konings. 1,667,325; Apr. 24.
Veterinary instrument for embryotomy. R. Hauptner. 1,673,242; June 12.
Vibrating mechanism. A. A. Frevert. 1,677,759; July 17.
Vibrating objects, Apparatus for. J. T. Stoney and K. Purwin. 1,695,127; Dec. 11.
Vibrating regulator. W. K. Kearsley, jr. 1,683,139; Sept. 4.
Vibrating screen. E. Deister. 1,685,940; Oct. 2.
Vibration-absorbing element. E. S. Marks. 1,684,773; Sept. 18.
Vibration and sound. Plate for deadening. W. Genest. 1,661,422; Mar. 6.
Vibration detector. J. P. Ball. 1,658,183; Feb. 7.
Vibration-indicating means. J. P. Ball. 1,662,356; Mar. 13.
Vibration meter. F. C. Perkins. 1,687,507; Oct. 16.
Vibration recorder. C. I. Hall. 1,664,210; Mar. 27.
Vibration-recording apparatus. J. J. McElroy and E. L. Beecher. 1,657,935; Jan. 31.
Vibrator. A. C. Gilbert. 1,668,364; May 1.
Vibrator. U. S. James. 1,690,901; Nov. 6.
Vibrator. G. B. Pickop. 1,689,154; Oct. 23.
Vibrator for alternating-current rectifiers. C. E. Ogden. 1,693,491; Nov. 27.
Vibrator, Message. N. E. Norstrom. 1,659,698; Feb. 21.
Vibrator or agitator. G. B. Pickop. 1,686,984; Oct. 9.
Vibrator, Synchronous electric. J. R. Barnhart. 1,681,720; Aug. 21.
Vibratory-converter. R. D. Amsden. 1,676,973; July 10.
Vibratory converter. R. T. Cheeseman. 1,676,979; July 10.
Vibratory device. H. W. Brown and A. E. Bailey, jr. 1,684,260; Sept. 11.
Vibratory energy, Device for the transmission of. H. C. Harrison. 1,663,884; Mar. 27.
Vibratory screen. L. E. Soldan and G. W. Behnke. 1,694,565; Dec. 11.
Vibratory units and the like, Armature and mounting for. W. Heusser. 1,656,484; Jan. 17.
Vibrometer. O. E. Marvel. 1,686,138; Oct. 2.

- Vibroscope. T. C. Rathbone. 1,673,949; June 19.
View finder. G. A. Mitchell. 1,682,139; Aug. 28.
Vigil light cup. E. Sheeley. Des. 75,810; July 17.
Vinylacetate, Production of. E. Baum, H. Deutsch, W. O. Herrmann, and M. Mugdan. 1,666,482; Apr. 17.
Violin. W. J. Kelly. 1,669,250; May 8.
Violin. J. C. Swanson. 1,668,832; May 8.
Violin bow. C. B. Gray. 1,686,554; Oct. 9.
Violin bow. J. A. Jung. 1,655,613; Jan. 10.
Violin bow. V. Rathschach. 1,673,996; June 19.
Violin, Horn-resonator. G. D. Bothwell. 1,665,402; Apr. 10.
Violin-string tensioner. A. V. Mertes. 1,657,890; Jan. 31.
Viols. String-tensioning device for. G. Hughes. 1,660,267; Feb. 21.
Virus and producing it, Product killed-hog-cholera. J. Reichel. 1,661,233; Mar. 6.
Viscose and making same. L. Lilienfeld. 1,658,607; Feb. 7.
Viscose, Manufacture of. J. M. Leaver. 1,659,033; Feb. 14.
Viscose manufacture, Recovery of poisonous gases in. F. C. Niederhauser and H. B. Kline. 1,655,709; Jan. 10.
Viscose, Production of. F. Kemper. 1,656,120; Jan. 10.
Viscose products, Apparatus for dehydrating. S. A. Niedich. 1,654,553; Jan. 3.
Viscose-treating apparatus. S. A. Neidich. 1,683,478; Sept. 4.
Viscosimeter. J. Woudhuysen and G. Ory. 1,685,896; Oct. 2.
Viscosimeter, Direct-reading. F. E. Fitch and N. W. Torbet. 1,696,630; Dec. 25.
Viscous liquid from surfaces, Apparatus for removing normally. E. W. Green and G. R. Unthank. 1,654,727; Jan. 3.
Vise. F. A. Fontaine. 1,670,194; May 15.
Vise. L. B. Green. 1,682,501; Aug. 28.
Vise. J. J. Hansel. 1,672,808; June 5.
Vise. F. F. Johnson. 1,675,030; June 26.
Vise. O. C. Larsen. 1,665,170; Apr. 3.
Vise. G. E. Weaver and W. C. Keim. 1,692,398; Nov. 20.
Vise and mount therefor. Z. A. Blanchard. 1,691,956; Nov. 20.
Vise and stand, Pipe. L. McCloskey. 1,686,023; Oct. 2.
Vise automatic, Auxiliary. D. C. Scougal. 1,675,868; July 3.
Vise automatic, Auxiliary. D. C. Scougal. 1,678,360; July 24.
Vise, Eccentric. W. F. Zimmermann. 1,690,611; Nov. 6.
Vise for machine tools, Novel. A. E. Silvestre. 1,671,211; May 29.
Vise, Pipe chain. H. Heide. 1,666,173; Apr. 17.
Vise with multiplied leverage, Foot-operated. G. W. Morgan. 1,658,411; Feb. 7.
Vises, Device converting pipe wrenches into pipe. F. B. C. Sutterly. 1,665,182; Apr. 3.
Vision device, Clear. P. D. Williams and H. D. Akins. 1,672,635; June 5.
Vision shield, Rotary clear. C. W. Olson. 1,658,172; Feb. 7.
Visor and wiper motor, Combined windshield. T. B. Polk. 1,683,260; Sept. 4.
Visor attachment for hats and caps. E. E. Thomas. 1,665,513; Apr. 10.
Visor attachment for motor vehicles. A. G. Forster. 1,676,537; July 10.
Visor, Automobile. G. A. Clark. 1,689,548; Oct. 30.
Visor light. B. F. Raidt. 1,672,779; June 5.
Visor, Sun. S. E. Leibson. 1,677,187; July 17.
Vitreous pieces, Uniting. B. Long. 1,668,853; May 8.
Vitreous polymerized styrol and its homologues, to the powder so produced, and articles including such material, Making powdered. I. Ostromislensky. 1,676,281; July 10.
Voice device. A. Fuertringer. 1,661,155; Mar. 6.
Voice device. L. G. Handy. 1,682,962; Sept. 4.
Voice mechanism. F. Evans. 1,667,105; Apr. 24.
Voice-operated echo suppressor. O. B. Blackwell. 1,674,679; June 26.
Voice placer. E. Keller. 1,692,174; Nov. 20.
Voice-producing apparatus for dolls and other toy figures. E. F. Steiner. 1,675,832; July 3.
Voile fabric, Flocked. K. G. Currier and J. Heinrich. Des. 76,779-82; Nov. 6.
Volatile substances, Distribution of. F. A. Eustis. 1,668,496; May 1.
Voltage alternator, Constant. D. K. Gannett. 1,659,729; Feb. 21.
Voltage and current, Device for amplifying. F. E. Null. 1,659,636; Feb. 21.
Voltage control, Automatic. G. C. Hubble. 1,684,182; Sept. 11.
Voltage direct-current system, High-. J. Sleplan. 1,666,473; Apr. 17.
Voltage regulator. G. B. Crouse and J. L. Jatlow. 1,691,022; Nov. 6.
Voltage regulator. G. B. Crouse and J. L. Jatlow. 1,691,909-10; Nov. 13.
Voltage regulator. E. W. Engle and E. W. Lincoln. 1,686,905; Oct. 9.
Voltage regulator. R. Kummenich. 1,683,785; Sept. 11.
Voltage regulator. L. C. Roberts. 1,696,416-7; Dec. 25.
Voltage regulator. W. Schaeclhlin. 1,684,151; Sept. 11.
Voltage regulator, Automatic. F. A. Tegler. 1,662,444; Mar. 13.
Voltage regulator, Filament. E. W. Engle and H. L. Olesen. 1,687,474; Oct. 9.
Voltage regulator, Induction. H. R. West. 1,672,703; June 5.
Voltage regulator, Induction. H. R. West. 1,685,656; Sept. 25.
Voltage-regulator system, Compensated. R. D. Evans and H. K. Sels. 1,665,918; Apr. 10.
Voltage regulator with thermostatic compensator. A. F. Broz. 1,660,322; Feb. 28.
Voltage-testing apparatus. J. W. Hill. 1,686,451; Oct. 2.
Voltage transformer for electric-arc cutting and welding apparatus, Variable. F. C. Owen. 1,690,943; Nov. 6.
Voltmeter. C. L. G. Fortescue. 1,686,689; Oct. 9.
Voltmeter, Thermionic peak. D. M. Terry. 1,687,234; Oct. 9.
Volume control and switch for radiocircuits. D. R. Lovejoy. 1,687,133; Oct. 9.
Volume-control apparatus. G. S. Vernam. 1,671,172; May 29.
Voting-machine counter reader. H. B. Swartz. 1,689,087; Oct. 23.
V rest for knife edges. B. M. W. Hanson. 1,686,377; Oct. 2.
Vulcanization. W. A. Brubaker. 1,665,440; Apr. 10.
Vulcanization of rubber and product thereof. R. V. Heuser. 1,677,235; July 17.
Vulcanization, Process and apparatus for. S. T. Campbell. 1,674,387; June 19.
Vulcanized article, Indefatigable. R. Hopkinson. 1,671,642; May 29.
Vulcanized pitches. W. Savage. 1,669,490; May 15.
Vulcanized rubber, Reclaiming and dispensing. T. G. Richards and G. P. F. Smith. 1,671,316; May 29.
Vulcanizer. T. Bell. 1,681,086; Aug. 14.
Vulcanizer. E. Fetter. 1,655,095; Jan. 3.
Vulcanizer. A. J. Fleiter, H. C. Bostwick, and T. A. Miller. 1,658,376; Feb. 7.
Vulcanizer. A. H. Harris. 1,666,649; Apr. 17.
Vulcanizer, Continuous. C. E. Rett. 1,677,207; July 17.
Vulcanizer head. H. L. Williams. 1,688,570; Oct. 23.
Vulcanizer, Patch. H. J. Anderson. 1,681,455; Aug. 21.
Vulcanizing. R. Hansen. 1,678,042; July 24.
Vulcanizing apparatus. J. R. Gammeter. 1,663,979; Mar. 27.
Vulcanizing apparatus. C. H. Oakley. 1,677,200; July 17.
Vulcanizing apparatus. M. H. Pade. 1,655,919; Jan. 10.
Vulcanizing apparatus. C. H. Roth. 1,656,870; Jan. 17.
Vulcanizing apparatus. H. R. Till. 1,656,251; Jan. 17.
Vulcanizing apparatus. H. Willshaw. 1,695,835; Dec. 18.
Vulcanizing apparatus, Curved-tube. R. W. Hainer. 1,658,894; Feb. 14.
Vulcanizing apparatus for pneumatic tubes and the like. W. L. Fairchild. 1,673,352; June 12.
Vulcanizing apparatus, Repair. M. E. Faber. 1,666,998; Apr. 24.
Vulcanizing device. A. F. Lew. 1,656,071; Jan. 10.
Vulcanizing device for tire casings. H. Erikson. 1,681,178; Aug. 21.
Vulcanizing hollow rubber articles. W. L. Fairchild. 1,673,353; June 12.
Vulcanizing, Manifold system for. A. O. Abbott, jr. 1,668,037; May 1.
Vulcanizing, Method of and apparatus for. C. Dressler. 1,662,804; Mar. 13.
Vulcanizing pan. J. Churchward. 1,679,114; July 31.
Vulcanizing pneumatic tires, Method and apparatus for. J. W. Brundage. 1,681,973; Aug. 28.
Vulcanizing rubber. L. A. Laursen. 1,665,309; Apr. 10.
Vulcanizing rubber. L. B. Sebrell. 1,679,548; Aug. 7.
Vulcanizing rubber and products obtained thereby. I. Ostromislensky. 1,696,409; Dec. 25.
Vulcanizing rubber articles, Process and apparatus for. L. A. Laursen. 1,665,310; Apr. 10.
Vulcanizing rubber tubes and rubber tube produced thereby. L. A. Laursen. 1,665,308; Apr. 10.
Vulcanizing successive separate articles and apparatus therefor. H. E. Waner. 1,693,264; Nov. 27.
Vulcanizing the protective cover or tread part onto the carcass of a tire and apparatus therefor. D. F. Wilhelm. 1,668,032; May 1.
Vulcanizing tires, Mechanism for. W. B. Burke. 1,690,615; Nov. 6.
Wadding and bat. J. Gatti. 1,695,805; Dec. 18.
Wadding device for the cartridges of fowling pieces. C. Gabel. 1,691,802; Nov. 13.
Waffle iron. C. P. Randolph. Des. 74,574; Feb. 28.
Waffle iron. H. H. Schott. Des. 75,750; July 10.
Waffle iron. V. G. Vaughan. 1,680,402; Aug. 14.
Waffle iron, Electric. C. A. Boyd. 1,672,299; June 5.
Waffle iron, Electric. C. P. Randolph. 1,694,981; Dec. 11.
Waffle iron, Electric. J. L. Shroyer. 1,655,665; Jan. 10.
Waffle-iron heating element. F. F. Forshee. 1,684,176; Sept. 11.
Waffle iron or mold. L. Lebert. 1,663,378; Mar. 20.
Waffle irons, Temperature-indicating device for. L. W. Reichold. 1,662,621; Mar. 13.
Wagon. H. H. Elde. 1,673,740; June 12.
Wagon. P. Fischer. 1,657,115; Jan. 24.
Wagon and sled, Combined. W. S. Hance. 1,681,853; Aug. 21.

- Wagon and truck dump. W. G. Hancock and L. T. Stromswold. Re17,046; July 24.
- Wagon and unloading apparatus. Field. A. J. Mason. 1,673,466; June 12.
- Wagon body. Newsboy-. A. C. Carlson. 1,670,712; May 12.
- Wagon, Body-tipping. K. Gener. 1,686,409; Oct. 2.
- Wagon-box end gate. J. K. France. 1,657,077; Jan. 24.
- Wagon, Child's. E. S. Weissberg. 1,678,836; July 31.
- Wagon, Coaster. W. L. Delker. 1,659,245; Feb. 14.
- Wagon, Coaster. W. Erni. 1,657,529; Jan. 31.
- Wagon, Coaster. P. K. Rasch. 1,664,641; Apr. 3.
- Wagon, Delivery. C. W. Peele. 1,680,027; Aug. 7.
- Wagon, Dump. F. W. Garvin. 1,677,555; July 17.
- Wagon, Dumping. S. E. Frazier. 1,658,236; Feb. 7.
- Wagon-end-gate seat. M. Elson. 1,662,494; Mar. 13.
- Wagon, Farm. H. N. Harrison. 1,674,511; June 19.
- Wagon loader. R. C. Haiss. 1,674,329; June 19.
- Wagon seat. P. Hyndman. 1,695,732; Dec. 18.
- Wagon seat. B. J. J. Kerr. 1,691,157; Nov. 13.
- Wagon, Separable tractor dump. W. J. McVicker and A. R. Sandt. 1,685,171; Sept. 25.
- Wagon, Tank. F. R. Filter. 1,675,294; June 26.
- Wagon, Tip. H. Bernier. 1,676,127; July 3.
- Wainscoting construction. W. T. Gray. 1,691,803; Nov. 13.
- Waistband. C. G. Wright. 1,672,017; June 5.
- Waist, Supporting. K. D. Baldwin. 1,660,320; Feb. 28.
- Walking beam, Derrick. W. R. McDowell. 1,685,238; Sept. 25.
- Wall. W. J. Armbruster. 1,658,154; Feb. 7.
- Wall. F. Kropf. 1,696,043; Dec. 18.
- Wall. P. Liese. 1,686,161; Oct. 2.
- Wall. G. Rau. 1,673,640; June 12.
- Wall, air-cooled. G. Allen, jr., and F. C. Simpson. 1,674,422; June 19.
- Wall and building the same, Monolithic. H. S. Ashenburt. 1,680,837; Aug. 14.
- Wall and ceiling construction. C. O. Walper. 1,669,730; May 15.
- Wall and making same, Closed metallic corrugated. F. K. Bezenberger. 1,695,943; Dec. 18.
- Wall base and tile therefor, Inclined. W. H. Field. 1,659,253; Feb. 14.
- Wall board. P. Beshers. 1,657,193; Jan. 24.
- Wall board. E. L. Gustafson. 1,665,168; Apr. 3.
- Wall board. W. M. Jenkins. 1,659,877; Feb. 21.
- Wall board. W. M. Jenkins. 1,690,229; Nov. 6.
- Wall board. H. C. Sanborn. 1,679,947; Aug. 7.
- Wall board. H. F. Weiss and R. F. Norris. 1,655,718; Jan. 10.
- Wall board and fastening strip for same. E. Erola. 1,660,834; Feb. 28.
- Wall board, Machine and method for making. K. Slidell. 1,655,714; Jan. 10.
- Wall-board reinforcement. C. O. Walper. 1,684,899; Sept. 18.
- Wall-board retainer. J. Strand. 1,686,187; Oct. 2.
- Wall bracket. P. W. Hughes. 1,686,972; Oct. 9.
- Wall bracket. C. Lehrman. Des. 75,801; July 17.
- Wall bracket. B. Newland. Des. 76,292; Oct. 16.
- Wall-bracket electric fixture. F. Yokol. Des. 75,947; July 31.
- Wall bracket, Lighting-fixture. N. Lipsky. Des. 74,181; Jan. 3.
- Wall bracket, Lighting-fixture. N. Lipsky. Des. 74,232; Jan. 10.
- Wall bracket, Lighting-fixture. J. Novin. Des. 75,383; May 29.
- Wall bracket, Lighting-fixture. T. Shapiro. Des. 74,633; Mar. 6.
- Wall bracket, Lighting-fixture. W. Von Nessen. Des. 77,047; Nov. 27.
- Wall bracket or similar article, Electric. J. A. Boehringer. Des. 75,898; July 31.
- Wall bracket or similar article, Electric. J. A. Boehringer. Des. 75,985; July 31.
- Wall bracket plate or similar article, Electric. J. A. Boehringer. Des. 74,916; Apr. 17.
- Wall bracket plate or similar article, Electric. J. A. Boehringer. Des. 74,918; Apr. 17.
- Wall bracket plate or similar article, Electric. J. A. Boehringer. Des. 74,920; Apr. 17.
- Wall-bracket plate or similar article, Electric. J. A. Boehringer. Des. 75,543; June 19.
- Wall case. R. I. Eustis and F. S. Beiger. 1,663,337; Mar. 20.
- Wall case. R. I. Eustis and F. S. Beiger. 1,670,028; May 15.
- Wall, ceiling, and floor structure, Translucent. P. Liese. 1,667,484; Apr. 24.
- Wall circuit breaker. F. W. Roller. 1,659,614; Feb. 21.
- Wall construction. G. Allen, jr., and F. C. Simpson. 1,685,591; Sept. 25.
- Wall construction. E. D. Covell. 1,662,300; Mar. 13.
- Wall construction. W. A. Fanning. 1,688,230; Oct. 16.
- Wall construction. E. H. Kleinfeldt. 1,667,160; Apr. 24.
- Wall construction. H. Kupelwieser. 1,679,611; Aug. 7.
- Wall construction. E. D. Mankedick. 1,661,128; Feb. 28.
- Wall construction. E. F. Teichner. 1,681,311; Aug. 21.
- Wall construction. G. F. Voight. 1,679,282; July 31.
- Wall construction. A. L. Westrich. 1,666,635; Apr. 17.
- Wall construction, Adobe. J. E. Deardorff. 1,686,228; Oct. 2.
- Wall construction and method of and apparatus for building same. E. D. Coddington. 1,666,554; Apr. 17.
- Wall construction, Car-. C. D. Bonsall. 1,692,198; Nov. 20.
- Wall construction, Concrete-. C. M. Alley. 1,670,057; May 15.
- Wall construction, Corncrib-. H. R. Straight. 1,694,083; Dec. 4.
- Wall construction, Demountable. E. F. Hauserman, L. D. Mowery, and J. A. Bohnsack. 1,681,340; Aug. 21.
- Wall construction for bathrooms. F. H. Michaelis. 1,696,443; Dec. 25.
- Wall construction, Interior-. J. B. Blaw. 1,693,572; Nov. 27.
- Wall construction, Interlocking-unit. L. S. Abbott. 1,660,059; Feb. 21.
- Wall-construction material. J. H. Preston. 1,669,019; May 8.
- Wall construction, Plaster-board. C. Absmeier. 1,657,332; Jan. 24.
- Wall covering, Producing a decorative. A. D. Simmons. 1,659,056; Feb. 14.
- Wall duct. H. Rezac. 1,657,549; Jan. 31.
- Wall facing, Paneled. R. H. Davis, J. Milewski, and M. Maloney. 1,661,168; Mar. 6.
- Wall fitting, Combination electric. T. A. Both. 1,694,158; Dec. 4.
- Wall fixture. A. K. Matthews. 1,661,188; Mar. 6.
- Wall fixture. M. N. Russell. Des. 77,126; Dec. 4.
- Wall for building construction. T. V. Miles. 1,663,276; Mar. 20.
- Wall for glass tanks, Bridge. A. W. Dodge. 1,679,295; July 31.
- Wall-form tie structure. W. E. Baumberger. 1,684,382; Sept. 18.
- Wall-forming member. H. Junkers. 1,661,183; Mar. 6.
- Wall, Furnace. D. S. Jacobus. 1,679,725; Aug. 7.
- Wall heater. C. G. Terry. 1,660,690; Feb. 28.
- Wall hook. C. J. Witt. 1,687,413; Oct. 9.
- Wall louver ventilator. R. J. Miller. Re17,164; Dec. 11.
- Wall, Multiplate vertical. S. W. Miller. 1,688,980; Oct. 23.
- Wall-paper border. C. W. Weston. Des. 75,886; July 24.
- Wall-paper bracket. W. O'Friel. 1,695,466; Dec. 18.
- Wall paper or similar article. B. Weil. Des. 74,288; Jan. 17.
- Wall paper or the like. F. E. Leitch. Des. 76,141; Aug. 21.
- Wall-paper panel or the like. H. L. Hoffman. Des. 75,794; July 17.
- Wall-paper-removing apparatus. J. Bauer. 1,674,237; June 19.
- Wall plate, Corrugated. H. L. Ingersoll. 1,673,456; June 12.
- Wall plate, Corrugated metallic. A. E. Small. 1,674,139; June 19.
- Wall, Quay. L. Coke-Hill. 1,663,453; Mar. 20.
- Wall register rack, Side-. J. M. Breitenbach. 1,667,099; Apr. 24.
- Wall seat. H. G. Talbot. 1,668,386; May 1.
- Wall structure. E. F. Hauserman, L. D. Mowery, and J. A. Bohnsack. 1,681,805; Aug. 21.
- Wall structure and building the same. C. H. Chown. 1,688,523; Oct. 23.
- Wall structure, Compound. L. L. Knox. 1,676,094; July 3.
- Wall structure, Interlocking double twin-stud. J. D. Lawrence. 1,673,118; June 12.
- Wall structure, Retaining. W. H. Evers and J. W. Shimek. 1,695,997; Dec. 18.
- Wall structure, Retaining-. J. W. Shimek. 1,690,136; Nov. 6.
- Wall table. E. Nelson. 1,658,771; Feb. 7.
- Wall tie for masonry veneer work. K. J. Kornbau. 1,669,472; May 15.
- Wall tiling, Sheet. G. L. Bennett. 1,659,678; Feb. 21.
- Wall-veneering material. W. A. Stoehr. 1,688,405; Oct. 23.
- Walls and erecting the same, Apparatus for constructing thin concrete. J. M. Sargeant. Re16,853; Jan. 17.
- Wallet, Match-holding. B. B. Lichtendorf. 1,658,849; Feb. 14.
- Wallet, Pocket. H. H. Harnsberger. 1,677,770; July 17.
- Wallet, Pocket. F. N. Minetti. 1,669,064; May 8.
- Wallets and pocketbooks, Manufacture of. C. B. Cook. 1,661,924; Mar. 6.
- Wardrobe. J. T. Fairhurst. 1,658,593; Feb. 7.
- Wardrobe. A. G. Feldman. Des. 76,924; Nov. 20.
- Wardrobe. J. Freeman. 1,680,864; Aug. 14.
- Wardrobe. W. A. Fuller. 1,682,273; Aug. 28.
- Wardrobe, Collapsible. E. L. Provost. 1,674,567; June 19.
- Wardrobe for hotel doors, Valet-service. H. C. Trost. 1,674,534; June 19.
- Wardrobe, Portable. A. S. Lawton. 1,663,949; Mar. 27.
- Ware rack. D. Denelsbeck and C. D. Dille. 1,692,631; Nov. 20.
- Ware support. L. A. Vincent. 1,657,288; Jan. 24.
- Warm-air furnace. H. W. French. 1,684,914; Sept. 18.
- Warm-air furnace. G. T. Houghtby. 1,673,072; June 12.
- Warm-air furnace. R. M. Judd, E. C. Taylor, and R. S. McNaney. 1,663,633; Mar. 27.

- Warm-air furnace. J. P. Kolla. 1,688,974; Oct. 23.
 Warm-air furnace. O. P. Nystrom. 1,674,736; June 26.
 Warm-air furnace. O. P. Nystrom and J. P. Kolla. 1,674,735; June 26.
 Warm-air furnace. K. W. Satterholm. 1,676,054; July 3.
 Warmer for little pigs. L. H. Thompson. 1,659,618; Feb. 21.
 Warning device, Speed-. J. Matthews. 1,679,320; July 31.
 Warning light. O. C. Ritz Woller. 1,682,948; Sept. 4.
 Warp beam. A. Balthasar. 1,656,897; Jan. 24.
 Warp-beam-shifting means. A. Kattermann. 1,693,517; Nov. 27.
 Warp-dyeing machine. E. E. Carlson and L. A. Stead. 1,681,516; Aug. 21.
 Warp-knit fabric. T. R. Meinig. 1,675,506; July 3.
 Warp stop motion. H. P. Hunter. 1,669,244; May 8.
 Warp stop motion. H. E. Khoury. 1,678,253-5; July 24.
 Warp stop motion, Electrical. R. G. Turner. 1,689,701; Oct. 30.
 Warp stop motion for looms. H. Bruneau. 1,690,921; Nov. 6.
 Warp tension and let-off. J. J. Ruhren, H. S. Vipond, and W. B. Leitch. 1,666,835; Apr. 17.
 Warp-twisting in machines, Thread feeder for. J. H. Becker. 1,690,157; Nov. 6.
 Warp of castings in cooling, Preventing. A. B. Norton. 1,695,239; Dec. 11.
 Warper. J. T. Melchor. 1,683,367; Sept. 4.
 Warper. B. A. Peterson. 1,672,470; June 5.
 Warping and beaming machines, Braking attachment. G. Sipp. 1,657,044; Jan. 24.
 Warping apparatus. B. A. Peterson. 1,656,605; Jan. 17.
 Warping in drying lumber, Device to prevent. E. J. Lawton. 1,693,395; Nov. 27.
 Washable fabric. A. H. Vandam. 1,660,244; Feb. 21.
 Washboard tension device. J. R. Mitchell. 1,656,865; Jan. 17.
 Wash boiler. P. E. Goldman. 1,664,921; Apr. 3.
 Washboiler. R. Smith. 1,655,250; Jan. 3.
 Washboiler. T. W. Stafford. 1,665,755; Apr. 10.
 Wash-boiling apparatus. B. Phillips. 1,674,566; June 19.
 Washbowl and toilet seat, Combined. D. Fries. Des. 75,483; June 12.
 Wash hanger. K. Babecki. 1,679,596; Aug. 7.
 Washstand and water-closet, Combined. H. E. Hodgson. 1,660,709; Feb. 28.
 Washer. See—
 Bedpan washer. Glass washer.
 Bottle washer. Gravel washer.
 Bottle and pan washer. Lock washer.
 Bottle washer. Spray washer.
 Can washer. Spring washer.
 Clothes washer. Vehicle washer.
 Felt washer. Window washer.
 Fruit washer.
 Washer. W. C. Brinton, jr. 1,673,440; June 12.
 Washer and drier, Dish. W. H. Lancelot and J. A. Starrak. 1,687,458; Oct. 9.
 Washer and extractor, Combined. A. R. Curtis. 1,675,095; June 26.
 Washer and nut for tire valves, Bridge. E. G. Oakley. 1,655,104; Jan. 3.
 Washer and sterilizer. T. D. Beaumont. 1,659,310; Feb. 14.
 Washer and sterilizer. H. K. McManus. 1,675,655; July 3.
 Washer-applying device. G. T. Williams. 1,672,593; June 5.
 Washer device. L. Illmer. 1,670,890; May 22.
 Washer for clothes, Hand. A. B. Bradley. 1,663,109; Mar. 20.
 Washer for tire valves, Bridge. E. G. Oakley. 1,655,105; Jan. 3.
 Wash or coating for ingot molds. J. W. Alden. 1,692,532; Nov. 20.
 Washer-placing machine. E. Hutchens. 1,681,480; Aug. 21.
 Washer-setter spout. E. Hutchens. 1,693,901; Dec. 4.
 Washer-setting machine. M. G. Bertone. 1,664,346; Mar. 27.
 Washer sorting and stringing machine. A. Schonenberger. Re17,104; Oct. 16.
 Washers, Producing pronged. J. R. Richer. 1,659,161; Feb. 14.
 Washers to the pins of heel molds, Distributing. L. Wetmore. 1,662,019; Mar. 6.
 Washing agents, Production of. G. Petroff and P. Shestakoff. 1,661,620; Mar. 6.
 Washing and cleaning apparatus. A. A. Smallhouse. 1,676,842; July 10.
 Washing and drying apparatus. D. Parker. 1,681,556; Aug. 21.
 Washing and drying machine, Dish. J. Dowling. 1,673,972; June 19.
 Washing and extracting device, Combined. S. M. Gorn. 1,657,963; Jan. 31.
 Washing and sorting coal and the like, Apparatus for. F. Bascour. 1,681,164; Aug. 21.
 Washing and sterilizing apparatus, Bottle. O. Larsen. 1,688,501; Oct. 23.
 Washing and wringing machine, Clothes. M. M. Jackson. 1,683,037; Sept. 4.
 Washing apparatus. J. Draper. Re17,063; Aug. 7.
 Washing apparatus. H. C. Heath. 1,663,911; Mar. 27.
 Washing apparatus. M. F. Kettler. 1,672,815; June 5.
 Washing apparatus. S. D. Parker. 1,681,308; Aug. 21.
 Washing apparatus, Clothes. M. F. Kettler. 1,672,814; June 5.
 Washing apparatus for coals. P. Wolf. 1,666,189; Apr. 17.
 Washing apparatus for coals. P. Wolf. 1,682,820; Sept. 4.
 Washing coal, ores, and other similar materials, and automatic water-current separator for carrying the method into practice, Method of. L. Hoyois. 1,696,767; Dec. 25.
 Washing compound. T. Moss. 1,677,044; July 10.
 Washing cooked straw. D. C. Amerine. 1,678,718; July 31.
 Washing device. A. C. Murr and F. L. Curran. 1,692,563; Nov. 20.
 Washing device. R. G. Woodley. 1,675,012; June 26.
 Washing device, Can-. I. H. Kendall. 1,678,252; July 24.
 Washing device, Window-. T. B. Monk. 1,691,164; Nov. 13.
 Washing, drying, and polishing tumblers, cups, and like articles. A. Griffiths. 1,693,780; Dec. 4.
 Washing fabrics, Process and apparatus for. O. Berg. 1,683,325; Sept. 4.
 Washing fibrous materials, Apparatus for. F. B. Stratford. 1,682,861; Sept. 4.
 Washing glasses and the like, Apparatus for. R. C. Speer. 1,666,671; Apr. 17.
 Washing, grinding, and exhibiting device. M. Harrison. 1,655,145; Jan. 3.
 Washing machine. A. W. Altorfer. 1,655,806; Jan. 10.
 Washing machine. A. W. Altorfer. 1,688,000; Oct. 16.
 Washing machine. A. W. Altorfer. 1,688,031; Oct. 16.
 Washing machine. G. P. Anstiss. 1,677,320; July 17.
 Washing machine. W. V. Baker. 1,661,356; Mar. 6.
 Washing machine. W. C. Beatty. 1,668,624; May 8.
 Washing machine. H. T. Borsheim. 1,682,212; Aug. 28.
 Washing machine. H. Cave. 1,681,322; Aug. 21.
 Washing machine. D. A. Corrie. 1,693,548; Nov. 27.
 Washing machine. M. L. H. Dell. 1,655,357; Jan. 3.
 Washing machine. R. J. Dow. 1,691,544; Nov. 13.
 Washing machine. W. A. Frantz. 1,660,957; Feb. 28.
 Washing machine. E. E. Garlits. 1,667,847; May 1.
 Washing machine. B. E. Getz. 1,665,922; Apr. 10.
 Washing machine. B. E. Getz. 1,669,514; May 15.
 Washing machine. B. E. Getz. 1,682,500; Aug. 28.
 Washing machine. B. E. Getz. 1,686,657; Oct. 9.
 Washing machine. F. G. Gies. 1,668,843; May 8.
 Washing machine. F. G. Gies. 1,671,637; May 29.
 Washing machine. F. G. Gies. 1,695,279; Dec. 18.
 Washing machine. G. C. Graham and R. S. Robe. 1,665,959; Apr. 10.
 Washing machine. A. Graydon. 1,666,238; Apr. 17.
 Washing machine. L. B. Green. 1,679,123; July 31.
 Washing machine. J. I. Haase. 1,676,825; July 10.
 Washing machine. G. E. Hazard and H. F. Boe. 1,690,974; Nov. 6.
 Washing machine. H. C. Hirschy. 1,665,262; Apr. 10.
 Washing machine. C. C. Howe. 1,693,785; Dec. 4.
 Washing machine. A. S. Kibby. 1,686,137; Oct. 2.
 Washing machine. R. S. Kirkpatrick. 1,661,665; Mar. 6.
 Washing machine. T. M. Klutts. 1,678,120; July 24.
 Washing machine. H. F. and E. Kuhlmann. 1,696,718; Dec. 25.
 Washing machine. O. L. and N. A. Laffierier. 1,664,118; Mar. 27.
 Washing machine. O. Maycen. 1,691,523-4; Nov. 13.
 Washing machine. H. E. Merseles. 1,660,345; Feb. 28.
 Washing machine. H. R. Merseles and P. M. Wood. 1,664,637; Apr. 3.
 Washing machine. C. Metrewitz. 1,688,732; Oct. 23.
 Washing machine. O. Meyer. 1,663,463; Mar. 20.
 Washing machine. C. A. Murdoch. 1,675,192; June 26.
 Washing machine. G. W. Olney. 1,660,808; Feb. 28.
 Washing machine. W. E. Plinkney. 1,696,253; Dec. 25.
 Washing machine. J. E. Ruffner. 1,664,792; Apr. 3.
 Washing machine. C. Ruiz. 1,660,427; Feb. 28.
 Washing machine. S. E. Schroeder. 1,659,283; Feb. 14.
 Washing machine. S. E. Schroeder. 1,695,065; Dec. 11.
 Washing machine. F. B. Schuyler. 1,694,606; Dec. 11.
 Washing machine. S. Sedita. 1,686,259; Oct. 2.
 Washing machine. D. G. Smellie. 1,688,665; Oct. 23.
 Washing machine. J. F. Steinhelfer. 1,691,089; Nov. 13.
 Washing machine. P. Strano. 1,657,234; Jan. 24.
 Washing machine. A. Swensen. 1,679,798; Aug. 7.
 Washing machine. O. G. Toney. 1,660,852; Feb. 28.
 Washing machine. I. M. Tull. 1,662,176; Mar. 13.
 Washing machine. H. E. Williamson. 1,686,480; Oct. 2.
 Washing-machine agitator. H. S. Labisky. 1,661,763; Mar. 6.
 Washing-machine agitator, Clothes-. L. Cameto. 1,681,464; Aug. 21.
 Washing-machine, Agitator for. H. J. Criner. 1,667,195; Apr. 24.
 Washing-machine assembly. J. Tedell. 1,686,538; Oct. 9.
 Washing machine, Bottle-. A. A. Smallhouse. 1,655,517; Jan. 10.
 Washing machine, Can-. I. H. Kendall. 1,665,927; Apr. 10.
 Washing machine, Can-. H. M. Price. 1,687,791; Oct. 16.
 Washing-machine casing. C. F. Smith and S. J. Helweg. Des. 75,452; June 5.
 Washing machine, Clothes-. A. Rankin. 1,688,555; Oct. 23.

- Washing machine, Continuous. J. W. Shaw. 1,688,508; Oct. 23.
- Washing-machine drive. H. D. Payne. 1,677,291; July 17.
- Washing machine, Feather. F. P. Simmen. 1,676,713; July 10.
- Washing machine, Floor-. R. Alvarado. 1,691,263; Nov. 13.
- Washing machine, Milk-can-. S. Dary. 1,661,602; Mar. 6.
- Washing machine, Motor support for. J. H. Fedler. 1,688,119; Oct. 16.
- Washing machine, Portable. H. F. Schmidt. 1,673,594; June 12.
- Washing machine, Rotary. V. and S. W. Lister. 1,693,089; Nov. 27.
- Washing machine, Tank-. S. F. Blouin. 1,657,990; Jan. 31.
- Washing machine, Vehicle. H. S. Gibson. 1,682,902; Sept. 4.
- Washing machine with folding wringer. H. D. Payne, A. W. De Clerque, and S. T. Sjöberg. 1,664,223; Mar. 27.
- Washing-machine wringer. H. D. Else. 1,680,413; Aug. 14.
- Washing-machine wringer. A. C. Lyons. 1,663,767; Mar. 27.
- Washing machines, Centering drive for. A. S. Wise. 1,686,718; Oct. 9.
- Washing machines, Clothes cylinder for. W. K. Howe. 1,654,589; Jan. 3.
- Washing machines, Driving mechanism for. H. J. Criner. 1,663,494; Mar. 20.
- Washing machines, Feeding water into. E. V. Payne. 1,661,445; Mar. 6.
- Washing machines, Link driving mechanism for. W. H. Voss. 1,695,400; Dec. 18.
- Washing machines, Timing device for. H. W. Hubers. 1,669,708; May 15.
- Washing or dyeing material. J. Brenzinger. 1,678,053; July 24.
- Washing pit, Vehicle. J. P. Nicholson. Re16,964; May 15.
- Washing plant, Coal and ore. C. Clouwez. 1,672,448; June 5.
- Washing pulp, Method of and apparatus for. C. A. Johnson. 1,683,782; Sept. 11.
- Washing salts. G. E. Burnham. 1,666,733; Apr. 17.
- Washing sugar and the like, Apparatus for. C. L. Carlson. 1,669,927; May 15.
- Washing tank, Vehicle. M. D. Woodling. 1,694,197; Dec. 4.
- Waste and overflow connection. W. A. Speakman. 1,671,134; May 29.
- Waste connection. E. G. Oakley. 1,678,783; July 31.
- Waste control mechanism. P. and L. W. Mueller. 1,692,512; Nov. 20.
- Waste-heat boiler. D. S. Jacobus. 1,657,477; Jan. 31.
- Waste material, Apparatus for the utilization and treatment of difficultly-manageable. R. Philipp. 1,687,886; Oct. 16.
- Waste, Pop-up. P. Mueller and A. C. Schuermann. 1,677,791; July 17.
- Waste retainer. R. H. Dyer. 1,675,751; July 3.
- Waste retainer. R. H. Dyer. 1,692,335; Nov. 20.
- Waste retainer, Journal-box. R. H. Dyer. 1,692,334; Nov. 20.
- Waste trap. R. G. Westbrook. 1,679,190; July 31.
- Waste trap, Reversible. R. G. Westbrook. 1,679,191; July 31.
- Watch-bracelet clasp. R. King. 1,696,167; Dec. 18.
- Watch-bracelet end hook. F. W. Nittel. 1,666,864; Apr. 17.
- Watch-bracelet end hook. F. W. Nittel. 1,674,607; June 19.
- Watch-bracelet end hook. F. W. Nittel. 1,677,101; July 10.
- Watch bracelet or similar article. F. P. Kinsley. Des. 76,139; Aug. 21.
- Watchcase. A. G. Bernheimer. Des. 77,287; Dec. 25.
- Watchcase. A. P. Conant. Des. 74,823; Apr. 3.
- Watchcase. A. P. Conant. Des. 75,549; June 19.
- Watchcase. A. P. Conant. Des. 76,524; Oct. 9.
- Watchcase. A. P. Conant. Des. 77,294-6; Dec. 25.
- Watchcase. F. G. Gruen. Des. 74,503; Feb. 21.
- Watchcase. E. S. Irelan. Des. 77,005; Nov. 27.
- Watchcase. A. Laska. 1,677,144; July 17.
- Watchcase. V. Ritschard. Des. 75,931; July 31.
- Watchcase. A. W. Wadsworth. 1,675,675; July 3.
- Watchcase and the like. S. Bruner. 1,655,411; Jan. 10.
- Watchcase appendage. A. P. Conant. Des. 75,475; June 12.
- Watchcase bezel. A. W. Wadsworth. 1,672,183; June 5.
- Watchcase bow. A. P. Conant. Des. 75,550; June 19.
- Watchcase heater. H. A. Denmire. 1,670,284; May 15.
- Watchcases, Forming. H. Cook. 1,679,466; Aug. 7.
- Watchcases, Making. G. W. Bowen. 1,680,281; Aug. 14.
- Watch charm or similar article. J. A. Blewett. Des. 75,824; July 24.
- Watch crystals, Apparatus for manufacturing celluloid. A. Sokol and M. Present. 1,655,027; Jan. 3.
- Watch dial. H. I. Cramer. Des. 76,854; Nov. 13.
- Watch dial or similar article. S. D. J. Yuen. Des. 76,445; Sept. 25.
- Watch dial, Wrist-. F. G. Gruen. Des. 15,489; June 12.
- Watch holder. J. C. Newlin, Jr. 1,666,664; Apr. 17.
- Watch holder. S. W. Taylor. 1,657,559; Jan. 31.
- Watch, Keyless. G. Perret. 1,661,232; Mar. 6.
- Watchmaker's gauge. R. Larsen. 1,681,121; Aug. 14.
- Watch movements, Desk case for. L. F. Ross. 1,658,258; Feb. 7.
- Watch, Wrist. H. I. Cramer. Des. 74,825; Apr. 3.
- Watch, Wrist. H. I. Cramer. Des. 75,955; Aug. 7.
- Watch, Wrist. G. P. Dike. 1,687,365; Oct. 9.
- Watch, Wristlet. S. N. Burgess. Des. 77,057; Dec. 4.
- Watches, Stem winding mechanism for. H. Colomb. 1,666,774; Apr. 17.
- Water and carbide can. A. Kozak. 1,684,996; Sept. 18.
- Water and soap saving device. J. B. Fortain. 1,661,532; Mar. 6.
- Water, Apparatus for cooling. K. Dünkelberg. 1,662,602; Mar. 13.
- Water, Apparatus for softening. A. J. Dotterweich. 1,654,537; Jan. 3.
- Water back, Sectional. J. E. Bell. 1,666,483; Apr. 17.
- Water bag carrier. C. S. Hodge. 1,689,436; Oct. 30.
- Water bag. W. E. Yehle. 1,661,400; Mar. 6.
- Water bag, Automobile. J. Critelli. 1,654,921; Jan. 3.
- Water-bowl construction for cattle. H. C. Bassmann. 1,666,791; Apr. 17.
- Water-closet. J. J. Boyne. 1,692,368; Nov. 20.
- Water-closet. R. E. Crane and D. E. Gulick. 1,682,166; Aug. 28.
- Water-closet. A. H. Deike. 1,656,099; Jan. 10.
- Water-closet. E. K. H. Lundberg. 1,696,855; Dec. 25.
- Water-closet. O. Lundberg and J. M. Bernstrom. 1,688,977; Oct. 23.
- Water-closet. J. M. Teahen and W. Taylor. 1,670,324; May 22.
- Water-closet accessory. T. S. Lord. 1,674,116; June 19.
- Water-closet, Boat. C. Schwarz. 1,683,924; Sept. 11.
- Water-closet bowl and tank, Combined. J. M. Teahen and W. Taylor. 1,670,323; May 22.
- Water-closet fitting. C. C. Campus. 1,668,048; May 1.
- Water-closet, Sanitary. A. H. Kennedy. 1,679,699; Aug. 7.
- Water-closet seat. L. D. Schaal. 1,656,955; Jan. 24.
- Water-closet support. R. T. Frye. 1,667,593; Apr. 24.
- Water-closet system. A. Hanamann. 1,676,550; July 10.
- Water-closets. Combined cover lock and bumper for. J. M. Teahen and W. Taylor. 1,670,322; May 22.
- Water-closets. Flushing device for. J. M. Teahen. 1,670,326; May 22.
- Water-closets, Ventilator attachment for. F. M. Draper. 1,655,495; Jan. 10.
- Water column. W. O. Ashe. 1,689,191; Oct. 30.
- Water control. J. E. Woods. 1,680,235; Aug. 7.
- Water-cooled furnace, Multiple-path. E. F. Northrup. 1,681,950; Aug. 28.
- Water-cooled interior agitator for internal-combustion engines. A. Moore. 1,673,776; June 12.
- Water cooler. H. K. Bush. 1,683,381; Sept. 4.
- Water cooler. H. G. Cordley. Des. 77,220; Dec. 18.
- Water cooler. W. C. Horner. 1,662,267; Mar. 13.
- Water cooler. A. L. Washburne. 1,692,066; Nov. 20.
- Water cooler, Carbonated-. W. E. Leibing. 1,664,780; Apr. 3.
- Water-cooler connection, Universal. C. H. Leonard. Oct. 23.
- Water-cooling apparatus. E. C. Nicholls. 1,659,408; Feb. 14.
- Water-cooling device. M. A. Pocock. 1,661,385; Mar. 6.
- Water, Covering the beds of bodies of. E. V. R. Gardner. 1,668,451; May 1.
- Water cycle. I. Gordon. 1,667,778; May 1.
- Water-deactivating apparatus. F. N. Speller. 1,696,106; Dec. 18.
- Water-distributing systems, Resupplying air to. O. L. Simpson. 1,659,710; Feb. 21.
- Water drain. P. Fortin. 1,658,889; Feb. 14.
- Water emulsions of rubber and products thus produced, Treating. E. Hopkinson and W. A. Gibbons. Re-16,874; Feb. 7.
- Water for boiler feed and other purposes, Apparatus for treating. J. D. Yoder. 1,655,033; Jan. 3.
- Water fountain. T. Schidorsky. 1,685,830; Oct. 2.
- Water fountain, Poultry. F. R. Thakken. 1,664,186; Mar. 27.
- Water gauge. J. and H. Rhodes. 1,680,174; Aug. 7.
- Water gauge, Automobile. T. H. Rorke. 1,661,269; Mar. 6.
- Water gauge, Steam-boiler. O. H. Hartmann and H. Peperkorn. 1,676,026; July 3.
- Water heater. J. G. Chambers and B. C. Salamis. 1,665,949; Apr. 10.
- Water heater. W. D. Clay. 1,672,151; June 5.
- Water heater. L. F. Doen. 1,692,768; Nov. 20.
- Water heater. M. D. Dominguez. 1,689,521; Oct. 30.
- Water heater. R. R. Fisher. 1,668,639; May 8.
- Water heater. O. Fox. 1,679,120; July 31.
- Water heater. A. Galdi and E. S. Peterson. 1,696,758; Dec. 25.
- Water heater. D. S. Garcia. 1,671,635; May 29.
- Water heater. A. H. Hoadley. 1,686,970; Oct. 9.
- Water heater. H. C. Holmes. 1,654,935; Jan. 3.
- Water heater. H. S. Humphrey. 1,692,839; Nov. 27.
- Water heater. L. E. Johnson. 1,665,210; Apr. 10.
- Water heater. H. Keeton. 1,671,676; May 29.
- Water heater. W. J. Kraft. 1,684,997; Sept. 18.
- Water heater. H. J. Lange. 1,696,206; Dec. 25.
- Water heater. W. V. Malone. 1,671,030; May 22.

- Water heater. W. J. McClurg. 1,670,665; May 22.
 Water heater. F. H. McCormick. 1,685,642; Sept. 25.
 Water heater. A. F. Moneuse. 1,681,305; Aug. 21.
 Water heater. C. H. Morrow. 1,667,795; May 1.
 Water heater. C. H. Morrow. 1,685,857; Oct. 2.
 Water heater. J. H. Newport. 1,661,193; Mar. 6.
 Water heater. J. P. Perass. 1,674,295; June 19.
 Water heater. W. Pfeil and W. Kolmeier. 1,665,506; Apr. 10.
 Water heater. J. M. Rowley. 1,693,254; Nov. 27.
 Water heater. F. W. Shuell. 1,689,935; Oct. 30.
 Water heater. T. A. M. Stevenson. 1,664,330; Mar. 27.
 Water heater. W. Wild, H. P. Wessels, and E. B. Enochsen. 1,671,001; May 22.
 Water heater. V. P. Williams. 1,696,828; Dec. 25.
 Water heater, Automatic. S. G. Crane. 1,657,298; Jan. 24.
 Water heater, Automatic. H. J. Lyons. 1,663,559; Mar. 27.
 Water heater, Automatic electric. M. C. Crawley. 1,659,134; Feb. 14.
 Water heater, Auxiliary. A. F. Gobin. 1,679,768; Aug. 7.
 Water heater, Auxiliary. J. S. Makin. 1,666,660; Apr. 17.
 Water-heater base. R. C. Hoyt. 1,666,093; Apr. 17.
 Water heater, Electric. E. E. Bolinger. 1,695,227; Dec. 11.
 Water heater, Electric. E. L. Emerson. 1,655,413; Jan. 10.
 Water heater, Electric. J. H. Ewart. 1,661,693; Mar. 6.
 Water heater, Electric. A. Favale. 1,660,787; Feb. 28.
 Water heater, Electric. A. J. Gibbons. 1,670,032; May 15.
 Water heater, Electric. A. A. Grassi and R. de O. Cézar. 1,670,767; May 22.
 Water heater, Electric. W. J. Hammers. 1,656,518; Jan. 17.
 Water heater, Electric. G. Harvis. 1,659,102; Feb. 14.
 Water heater, Electric. M. Isaacs. 1,672,942; June 12.
 Water heater, Electric. A. Johnson. 1,670,506; May 22.
 Water heater, Electric. H. H. Keeton. 1,671,677; May 29.
 Water heater, Electric. A. J. Kercher and W. W. Hicks. 1,680,622; Aug. 14.
 Water heater, Electric. E. T. P. Kopatz. 1,685,364; Sept. 25.
 Water heater, Electric. C. J. Scanlan. 1,692,869; Nov. 27.
 Water heater, Electrical. P. Ambory. 1,661,062; Feb. 28.
 Water heater, Electrical. B. Barry. 1,669,964; May 15.
 Water heater, Electrical. H. E. Dineson. 1,665,348; Apr. 10.
 Water heater, Electrical. A. J. Kercher and W. W. Hicks. 1,671,592; May 29.
 Water heater, Electrical. E. C. Steere. 1,691,943; Nov. 20.
 Water heater, Electrical. H. C. Welcomer. 1,676,510; July 10.
 Water heater, Exhaust-gas. L. M. Wheeler. 1,683,747; Sept. 11.
 Water heater, Gas. R. G. Griswold. 1,691,008; Nov. 6.
 Water heater, Gas. V. Mauck. 1,687,101; Oct. 9.
 Water heater, Gravity-feed. D. Conekin. 1,670,955; May 22.
 Water heater, Induction. F. C. Owen. 1,671,839; May 29.
 Water heater, Instantaneous electric. G. J. Zisch. 1,692,321; Nov. 20.
 Water heater, Permanent. K. E. Merz. 1,683,008; Sept. 4.
 Water heater, Storage. E. S. Stack. 1,681,377; Aug. 21.
 Water-heater unit. L. R. Mendelson. 1,660,344; Feb. 28.
 Water heaters, Thermostatic control device for. J. G. Wragg. 1,660,776; Feb. 28.
 Water-heating apparatus, Indirect. C. Smith. 1,656,574; Jan. 17.
 Water, Heating, deaerating, and evaporating. G. H. Gibson. 1,677,890; July 24.
 Water-level indicator. D. S. Jacobus. 1,682,843; Sept. 4.
 Water-level indicator. R. E. White. 1,681,452; Aug. 21.
 Water-level indicator, Battery. L. R. Willis. 1,694,609; Dec. 11.
 Water meter. M. Y. Fieldhouse. 1,662,382; Mar. 13.
 Water motor. E. O. Brannington. 1,661,872; Mar. 6.
 Water motor. E. S. Brothers. 1,668,936; May 8.
 Water motor, Gravity. M. D. Hays. 1,685,235; Sept. 25.
 Water of condensation to boilers, Device for returning. H. Krantz. 1,666,573; Apr. 17.
 Water pipes, Device for preventing the bursting of. W. H. Robison. 1,672,393; June 5.
 Water power. C. Ramsdell. 1,662,937; Mar. 20.
 Waterproof and adhesive composition, Combined. C. A. Crawford. 1,691,543; Nov. 13.
 Waterproof cattle card. W. M. Frye. 1,667,544; Apr. 24.
 Waterproof fabric. L. Seidell and G. B. Jack, jr. 1,676,362; July 10.
 Waterproof sheet and making the same, Composite. C. H. Rayner. 1,672,579; June 5.
 Waterproof sheet. Felted fibrous. L. Kirschbraun. 1,672,262; June 5.
 Waterproof sheet structure. J. F. White. 1,694,523; Dec. 11.
 Waterproof textile material, paper, and the like, Production of. C. Knopf. 1,683,470; Sept. 4.
 Waterproofing composition. G. Sutherland. 1,658,540; Feb. 7.
 Waterproofing composition and product, Preparing a. A. F. Owen. 1,656,953; Jan. 24.
 Waterproofing compound and making the same. C. E. Lord. 1,693,718; Dec. 4.
 Waterproofing, etc., and producing the same. Base powder for. R. R. Cone. 1,670,844; May 22.
 Waterproofing insertion member. C. H. Weitz. 1,662,287; Mar. 13.
 Water purifier. J. B. Gail and N. Adam. 1,680,867; Aug. 14.
 Water purifier. W. M. Myers. 1,669,995; May 15.
 Water screen. C. A. Brandt. 1,676,245; July 10.
 Water silencer. S. B. Merkel and E. Dobrowsky. 1,663,882; Mar. 20.
 Water silencer. J. A. Osborne. 1,661,704; Mar. 6.
 Water softener. T. B. Clark. 1,671,699; May 29.
 Water softener. O. W. Johnson. 1,692,939; Nov. 27.
 Water softener. W. J. Kenney. 1,685,817; Oct. 2.
 Water softener. V. C. Norquist. 1,661,675; Mar. 6.
 Water softener. H. N. Smith. 1,664,435; Apr. 3.
 Water softener and filter and all-nozzle salt-pot attachment, Base exchange. C. T. McGill. 1,661,488; Mar. 6.
 Water softener, Automatic. C. P. Eisenbauer. 1,674,717; June 26.
 Water softener, Combined filter and upflow. W. J. Kenney. 1,685,818; Oct. 2.
 Water softener, Hand-controlled. C. A. Stickney. 1,689,308; Oct. 30.
 Water softener, Salt-pot attachment, Base-exchange. C. T. McGill. 1,694,332; Dec. 4.
 Water softening. F. E. Leiss. 1,689,036; Oct. 23.
 Water-softening apparatus. C. P. Eisenbauer. 1,695,542; Dec. 18.
 Water-softening apparatus. R. O. Friend and M. Kulander. 1,659,023; Feb. 14.
 Water-softening apparatus. W. H. Green. 1,677,891; July 24.
 Water-softening apparatus. W. J. Kenney. 1,685,816; Oct. 2.
 Water-softening apparatus. H. A. Toulmin, jr. 1,694,457; Dec. 11.
 Water-softening apparatus. J. E. Trehwitt and P. E. Hillery. 1,696,369; Dec. 25.
 Water-softening apparatus using base-exchange silicates as the water-softening agent, Supplying salt solution to. W. J. Hughes. 1,668,207; May 1.
 Water-softening device. J. Astrom. 1,656,896; Jan. 24.
 Water-softening device. J. J. Tomkinson. 1,688,366; Oct. 23.
 Water softening system with semiautomatic regeneration. V. C. Norquist. 1,661,676; Mar. 6.
 Water solutions of rubber and articles so produced, Employing. E. Hopkinson and W. A. Gibbons. Re-16,873; Feb. 7.
 Water. Stabilization of ferruginous. C. Peeters. 1,656,232; Jan. 17.
 Water supply for automobile radiators. J. F. Morris. 1,683,911; Sept. 11.
 Water-supply mechanism, Multiple-tank. E. H. Lichtenberg. 1,679,614; Aug. 7.
 Water system. C. B. Page and W. D. Burton. 1,679,489; Aug. 7.
 Water system. J. A. Smith. 1,685,099; Sept. 25.
 Water system, Tide-. F. M. Zottoli. 1,683,277; Sept. 4.
 Water to rock drills and the like, Supplying. J. H. Stuthridge and T. M. Hack. 1,682,438; Aug. 28.
 Water-treatment apparatus. W. H. Green. 1,684,822; Sept. 18.
 Water-tube boiler. H. C. Bady. 1,662,815; Mar. 20.
 Water-tube boiler. B. Brodlo. 1,676,631; July 10.
 Water-tube boiler. A. Cotton. 1,671,144; May 29.
 Water-tube boiler. O. H. Hartmann. 1,663,910; Mar. 27.
 Water-tube boiler. W. K. Hopf. 1,656,664; Apr. 10.
 Water-tube boiler. J. H. Rohrer. 1,657,319; Jan. 24.
 Water-tube boiler. L. Steinmüller. 1,684,691; Sept. 18.
 Water-tube boiler. H. E. Yarrow. 1,657,951; Jan. 31.
 Water-tube boiler, High-pressure. C. A. W. Brandt. 1,680,128; Aug. 7.
 Water-tube boiler, Sectional. G. Maas. 1,657,266; Jan. 24.
 Water-tube boiler, Triple-shell. G. Gartling. 1,669,610; May 15.
 Water tube for furnace walls. H. B. Bradford. 1,677,887; July 24.
 Water-wave comb. A. R. Weller. 1,693,168; Nov. 27.
 Water wheel. W. C. Barnes. 1,671,005; May 22.
 Water wheel. J. J. Hoppes. 1,682,966; Sept. 4.
 Water wheel. S. H. Taylor. 1,677,464; July 17.
 Water-wheel regulator. W. M. Bradshaw and C. A. Boddie. 1,658,965; Feb. 14.
 Water wings. J. R. Heminger. 1,677,083; July 10.
 Waterer, Hog. W. P. Turner. 1,674,811; June 26.
 Watthour meter. A. R. Rutter. 1,684,149; Sept. 11.
 Watthour meter. A. R. Rutter. 1,686,641; Oct. 9.
 Wave and current motor. G. E. Clayton. 1,654,959; Jan. 3.
 Wave-deviation meter. L. W. Chubb. 1,654,576; Jan. 3.
 Wave lengths for wireless receivers, Apparatus for automatic regulation of different. F. W. M. L. Scheerbarth. 1,684,519; Sept. 18.
 Wave motion, Device for the production of. H. G. Dorsey. 1,684,759; Sept. 18.
 Wave motor. A. J. Adams. 1,665,198; Apr. 10.

- Wave motor. R. S. Blair. 1,688,032; Oct. 16.
 Wave motor. W. A. Bryant. 1,674,885; June 26.
 Wave motor. F. Hegenbarth. 1,682,176; Aug. 28.
 Wave motor. M. Hegge. 1,667,152; Apr. 24.
 Wave reception and emission, Method and arrangement of directional. W. Hahnemann, H. Hecht, and E. Nielsen. 1,662,247; Mar. 13.
 Wave setter for hair-dressing purposes. J. Bloom. 1,675,839; July 3.
 Wave-setting device. R. W. Stogner. 1,674,703; June 26.
 Wave signaling system. J. F. Dreyer, jr. 1,695,842; Dec. 18.
 Wave signaling system. L. A. Hazeltine. 1,658,638; Feb. 7.
 Wave signaling system. M. Latour. 1,663,712; Mar. 27.
 Wave signaling system, Duplex. H. M. Lewis. 1,688,872; Oct. 23.
 Wave translator. G. A. Campbell. 1,671,143; May 29.
 Wave transmission system. J. F. Farrington. 1,672,975; June 12.
 Wave transmission system. R. C. Mathes. 1,696,315; Dec. 25.
 Wave transmission system. D. F. Whiting. 1,673,031; June 12.
 Wave varying and transmitting. R. A. Heising. 1,672,215; June 5.
 Waver, Hair. N. Fulton. 1,672,379; June 5.
 Waver, Hair. W. J. Perkins and E. Hagemeister. 1,672,775; June 5.
 Waver, Hair. A. E. Walsh. 1,678,891; July 31.
 Waving and curling hair, Device for. A. Craig. 1,692,111; Nov. 20.
 Waving apparatus, Electric hair. E. A. McGinnis. 1,672,387; June 5.
 Waving apparatus, Hair-. F. Coune. 1,679,563; Aug. 7.
 Waving apparatus, Permanent-. W. S. Lewis. 1,675,116; June 26.
 Waving apparatus, Permanent-. W. S. Lewis. 1,682,972; Sept. 4.
 Waving attachment, Permanent-. D. Halpern. 1,673,942; June 19.
 Waving comb, Hair-. H. Heiz. 1,656,196; Jan. 17.
 Waving device, Hair-. F. R. Marcel. 1,694,073; Dec. 4.
 Waving device, Hair-. C. R. White. 1,670,427; May 22.
 Waving hair. E. W. Boyden. 1,671,177; May 29.
 Waving hair. W. G. Shelton. 1,691,589; Nov. 13.
 Waving hair, Apparatus for. C. S. Ackley. 1,665,619; Apr. 10.
 Waving hair, Apparatus for. C. S. Ackley. 1,689,004; Oct. 23.
 Waving hair, Device for. C. Zimmer. 1,667,920; May 1.
 Waving iron for hair. J. P. Polnaszek. 1,693,462; Nov. 27.
 Waving or curling the hair, Apparatus for. E. F. Suter. 1,694,607; Dec. 11.
 Wax and asphaltic material from oil, Removing amorphous. T. Clarkson and H. R. Heal. 1,686,437; Oct. 2.
 Wax and the preparation thereof, Carnauba. W. A. Sprague. 1,658,062; Feb. 7.
 Wax-applying machine. J. Carini. 1,672,749; June 5.
 Wax distributor for floor-polishing machines. T. A. Marshall. 1,693,908; Dec. 4.
 Wax distributor for floor-polishing machines. C. H. Pietsch. 1,674,058; June 19.
 Wax eliminator. L. V. Feike and J. R. Payton. 1,660,869; Feb. 28.
 Wax from oil, Removing. G. D. Graves. 1,668,239; May 1.
 Wax-melting apparatus. C. Methfessel. 1,684,710; Sept. 18.
 Waxing blanks, Method of and machine for. H. S. Labombarde. 1,696,894; Dec. 25.
 Waxing machine, Sole-. W. A. Copeland. 1,692,332; Nov. 20.
 Wear-compensating pin. J. W. Tewsley. 1,667,610; Apr. 24.
 Wear plate. E. G. Goodwin. 1,696,116; Dec. 18.
 Wear plate and centering device for draft-rigging keys for railway cars, Combined. S. L. Joiner. 1,685,455; Sept. 25.
 Wear plate for straps. A. B. Hagelin. 1,661,821; Mar. 6.
 Wearing apparel and making the same, Article of. H. B. Muench. 1,673,123; June 12.
 Weatherproof and decayproof material. D. Finley. 1,667,201; Apr. 24.
 Weatherproofing and sash-adjusting means. Window. R. Norris. 1,672,228; June 5.
 Weatherproofing structure. D. H. Harnly. 1,687,666; Oct. 16.
 Weather shield. R. S. Lafoon. 1,688,241; Oct. 16.
 Weather strip. J. R. Dupen. 1,688,577; Oct. 23.
 Weather strip. F. J. Boehler. 1,675,020; June 26.
 Weather strip. L. L. Browne. 1,658,029; Feb. 7.
 Weather strip. F. E. Caldwell. 1,683,162; Sept. 4.
 Weather strip. R. J. Colwell. 1,669,865; May 15.
 Weather strip. W. J. Dennis. 1,666,327-8; Apr. 17.
 Weather strip. W. J. Dennis. 1,667,144; Apr. 24.
 Weather strip. C. M. Eveleth. 1,688,458; Oct. 23.
 Weather strip. D. H. Harnly. 1,685,324; Sept. 25.
 Weather strip. E. R. Hopkins. 1,683,355; Sept. 4.
 Weather strip. C. A. Lewis. 1,670,414; May 22.
 Weather strip. W. A. Ludeke. 1,682,389; Aug. 28.
 Weather strip. A. Miller. 1,683,564; Sept. 4.
 Weather strip. R. O. Oakley. 1,675,275; June 26.
 Weather strip. H. D. Randall. 1,687,589; Oct. 16.
 Weather strip. F. Reese. 1,664,264; Mar. 27.
 Weather strip. F. Reese. 1,664,322; Mar. 27.
 Weather strip. C. E. Reyburn. 1,665,326; Apr. 10.
 Weather strip. F. B. Snively. 1,684,646; Sept. 18.
 Weather-strip attachment. H. D. Meek. 1,681,869; Aug. 21.
 Weather strip, Automatic. F. Shersmith. 1,665,678; Apr. 10.
 Weather strip, Automatic all-. F. D. Zimmerman and C. Wells. 1,677,067; July 10.
 Weather strip, Filler. R. O. Oakley. 1,686,101; Oct. 2.
 Weather strip, Flexible metal. W. W. Strawn. 1,659,617; Feb. 21.
 Weather strip for doors and the like, Automatic. L. E. Van Auker. 1,691,315; Nov. 13.
 Weather strip, Metal. J. E. and S. A. Bergfalk. 1,689,813; Oct. 30.
 Weather strip, Metal. A. M. Lane. 1,679,612; Aug. 7.
 Weather strip, Metal. G. F. Wolff. 1,674,754-5; June 26.
 Weather strip, Metallic. D. M. Dunning, jr. 1,668,006; May 1.
 Weather strip, Windshield. L. Blackmore. 1,680,006; Aug. 7.
 Weather stripping for doors and windows. N. E. Bray. 1,658,282; Feb. 7.
 Weather vane. E. W. Lawson. Des. 76,316; Sept. 11.
 Weaving. R. C. McIlroy. 1,683,983; Sept. 11.
 Weaving machine, Reed-. M. B. Lloyd. 1,678,011-12; July 24.
 Weaving machine, Thrown-shuttle. M. B. Lloyd. 1,672,268; June 5.
 Weaving textile fabrics. G. J. Seckel. 1,684,364; Sept. 11.
 Weaving together the ends of similarly woven belts and bands, Process and apparatus for. A. Luckweil. 1,681,356; Aug. 21.
 Web-converting apparatus. W. H. Cannard. 1,692,720; Nov. 20.
 Web-guiding mechanism. G. F. Wickle. 1,680,190; Aug. 7.
 Web-replenishing mechanism. C. E. Drange. 1,693,436; Nov. 27.
 Wedding ring. H. Bolotin. Des. 75,407; June 5.
 Wedding ring. A. J. Friedman. Des. 75,909; July 31.
 Wedding ring. J. Granat. Des. 76,388-90; Sept. 25.
 Wedding ring. D. Pevny. Des. 74,388; Feb. 7.
 Wedge, Driving-box. L. N. Hutchinson. 1,670,114; May 15.
 Wedge, Magnetic. S. R. Bergman. 1,684,255; Sept. 11.
 Weed and vine destroyer. O. Kelm. 1,688,463; Oct. 23.
 Weed destroyer. W. E. Burt. 1,661,030; Feb. 28.
 Weed-destroying attachment for railway cars. M. Holland. 1,692,739; Nov. 20.
 Weed exterminator. A. Kitterman. 1,668,156; May 1.
 Weed killer. C. C. McCreary. 1,669,343; May 8.
 Weed killer and killing weeds. R. N. Chipman. 1,694,205; Dec. 4.
 Weed puller. D. S. Dickie. 1,687,974; Oct. 16.
 Weed-pulling device. M. C. Bersted. 1,654,780; Jan. 3.
 Weeder. T. Carlson. 1,657,456; Jan. 31.
 Weeder. I. Desy. 1,656,146; Jan. 10.
 Weeder. C. L. Key. 1,665,464; Apr. 10.
 Weeder. O. R. Saunders. 1,689,086; Oct. 23.
 Weeder. H. Weseloh. 1,663,396; Mar. 20.
 Weeder, Rotary rod. N. Jackson. 1,684,992; Sept. 18.
 Weeder, Wheeled. M. L. Akers. 1,667,764; May 1.
 Weeding device, Portable. A. J. Olsen. 1,687,948; Oct. 16.
 Weeding machine. J. A. Ruzalski. 1,667,708; Apr. 24.
 Weel made of netting. F. W. H. Toppe. 1,684,564; Sept. 18.
 Weevil destroyer. Z. T. Mann. 1,684,040; Sept. 11.
 Weft-detecting mechanism. S. A. Nelson. 1,674,871; June 26.
 Weft-detecting mechanism. E. H. Ryon. 1,673,998; June 19.
 Weft detector in regularly-moving transferrer. R. G. Turner. 1,683,214; Sept. 4.
 Weft detector in transferrer arm. R. G. Turner. 1,664,007; Mar. 27.
 Weft detector in transferrer arm. H. H. Watson. 1,663,929; Mar. 27.
 Weft detector, Normally stationary inertia-actuated. W. H. Wakefield. 1,664,008; Mar. 27.
 Weft detector, Side-slip. A. Cederlund. 1,663,934; Mar. 27.
 Weft detector, Side-slip. K. J. Unwin. 1,695,398; Dec. 18.
 Weft-detector-withdrawing means. V. H. Jennings. 1,663,946; Mar. 27.
 Weft detectors, Withdrawing means for side-slip. H. L. Blanchard. 1,668,393; May 1.
 Weftless fabric. E. B. Hanley. 1,677,359; July 17.
 Weftless fabric. H. B. Hopson. 1,657,830; Jan. 31.
 Weft-replenishing mechanism, Give way for. O. V. Payne and R. G. Turner. 1,663,951; Mar. 27.
 Weigh beam. A. Bousfield. 1,664,502; Apr. 3.
 Weighing and dumping body for motor trucks, Combined. T. R. Duncan. 1,685,694; Sept. 25.
 Weighing and measuring machine. A. J. Ruppert. 1,658,943; Feb. 14.
 Weighing and recording mechanism, Automatic. F. S. Hedden. 1,668,073; May 1.
 Weighing apparatus. W. Timson. 1,663,509; Mar. 20.
 Weighing apparatus. W. Timson. 1,672,143; June 5.
 Weighing apparatus, Automatic. R. Jokschi. 1,661,291; Mar. 6.

- Weighing apparatus, Automatic or semiautomatic. W. Timson. 1,665,722; Apr. 10.
- Weighing apparatus, Threshing-machine. W. Winslow. 1,659,288; Feb. 14.
- Weighing device. H. M. Swartley. 1,689,978; Oct. 30.
- Weighing device, Batch-. A. T. Light. 1,662,524; Mar. 13.
- Weighing device, Freight-. W. C. Brinton. 1,667,717; May 1.
- Weighing feeder. W. F. Bokum. 1,660,249; Feb. 21.
- Weighing goods in a hanging position, Arrangement for. L. G. Wahl. 1,686,586; Oct. 9.
- Weighing machine. W. Pütz. 1,687,852; Oct. 16.
- Weighing machine, Automatic. H. Richardson and S. G. Murray. 1,686,502; Oct. 2.
- Weighing means for lifts, cranes, hoists, and the like lifting apparatus, Load-. F. S. Tuckett. 1,674,380; June 19.
- Weighing mechanism. G. Hutchinson. 1,670,576; May 22.
- Weighing mechanism. P. S. Ward. 1,660,109; Feb. 21.
- Weighing mechanism. J. B. Watling. 1,680,579; Aug. 14.
- Weighing mechanism, Automatic. F. S. Hebden. 1,690,679; Nov. 6.
- Weighing mechanism or scale. G. Hutchinson. 1,688,634; Oct. 23.
- Weighing method. J. Hopkinson. 1,663,129; Mar. 20.
- Weight container. F. W. Thompson. 1,663,103; Mar. 20.
- Weight control, Automatic. E. W. Lynn. 1,674,015; June 19.
- Weight-indicating means for mechanical and other milkers. J. J. Blodgett. 1,669,894; May 15.
- Weight-placing and vernier attachment. G. G. Voland and E. L. Voland. 1,655,118; Jan. 3.
- Weighting machine. D. E. Harding. 1,660,038; Feb. 21.
- Weighting mechanism. G. L. Zucker. 1,680,192; Aug. 7.
- Weighting silk. E. Eld. 1,674,356; June 19.
- Weighting silk and the product thereof. R. J. O'Brien, jr. 1,684,286; Sept. 11.
- Weir differential gauge. C. C. Jacob. 1,662,248; Mar. 13.
- Welded pipe. W. E. Rupley. 1,687,895; Oct. 16.
- Welded seams, Reinforcement for. C. G. Hawley. 1,665,360; Apr. 10.
- Welded tank. A. Davis, jr. 1,656,427; Jan. 17.
- Welder, Electric chain. J. Senft. 1,688,883; Oct. 23.
- Welder, Electric spot. V. F. Greaves. 1,674,327; June 19.
- Welder's shield. F. M. Bowers. 1,680,725; Aug. 14.
- Welder's table and clamp. F. J. Wilson. 1,672,996; June 12.
- Welding. R. Applegate. 1,666,026; Apr. 10.
- Welding. J. A. Leeper. 1,660,491; Feb. 28.
- Welding. L. Spencer. 1,668,090; May 1.
- Welding. G. N. Steigerwald. 1,688,360; Oct. 23.
- Welding. Aluminio-thermic pressure. F. Lange. 1,671,730; May 29.
- Welding and cutting apparatus. F. W. Becker. Re16,948; May 1.
- Welding apparatus. W. P. Shipman. 1,691,501; Nov. 13.
- Welding apparatus. J. M. Weed. 1,672,702; June 5.
- Welding apparatus, Automatic. A. M. MacFarland. 1,689,882; Oct. 30.
- Welding apparatus, Automatic control device for electric-arc. W. R. Hume. 1,662,858; Mar. 20.
- Welding apparatus, Automatic control device for electric-arc. W. R. Hume. 1,690,489; Nov. 6.
- Welding apparatus, Automatic electric. A. M. MacFarland. 1,695,694; Dec. 18.
- Welding apparatus, Circular-seam-. W. E. Rupley. 1,696,456; Dec. 25.
- Welding apparatus, Electric. A. Churchward. 1,664,022; Mar. 27.
- Welding apparatus, Electric. A. Churchward. 1,667,244; Apr. 24.
- Welding apparatus, Electric. A. Churchward. 1,687,492; Oct. 16.
- Welding apparatus, Electric. H. S. Holmes. 1,656,274; Jan. 17.
- Welding apparatus, Electric. W. E. Rupley. 1,668,783; May 8.
- Welding apparatus, Electrical. I. J. Van Huffel. 1,667,178; Apr. 24.
- Welding. Apparatus for fusion. V. J. Chapman. 1,667,586; Apr. 24.
- Welding, Apparatus for lap. J. R. Brueckner and H. L. Clark. 1,684,169; Sept. 11.
- Welding arc, Stabilizing and modifying the metallic. J. B. Green. 1,685,082; Sept. 25.
- Welding, Automatic arc. V. J. Chapman. 1,667,585; Apr. 24.
- Welding, Butt. T. E. Murray, jr. 1,667,487; Apr. 24.
- Welding cast iron. H. V. Wille. 1,660,246; Feb. 21.
- Welding cast iron, Flux for. C. C. Maryan. 1,676,988; July 10.
- Welding clamp. A. Gilbert and J. Smith. 1,670,253; May 15.
- Welding compound. I. Freeman. 1,691,388; Nov. 13.
- Welding, Core for flash butt-. M. W. Wysong. 1,679,702; Aug. 7.
- Welding, Electric. B. Grob. 1,674,109; June 19.
- Welding, Electric. J. F. Lawson. 1,678,986; July 31.
- Welding, Electric. G. H. Phelps. 1,676,282; July 10.
- Welding, Electric. G. H. Phelps. 1,684,108; Sept. 11.
- Welding, Electric. B. Pugh. 1,677,206; July 17.
- Welding, Electric. J. M. Weed. 1,665,869; Apr. 10.
- Welding, Electric. J. M. Weed. 1,670,699-700; May 22.
- Welding, Electric butt. T. E. Murray, jr. 1,660,425; Feb. 28.
- Welding electrode, Resistance. R. E. Powell. 1,673,020; June 12.
- Welding machine. V. J. Chapman. 1,667,587; Apr. 24.
- Welding machine. A. Mauser. 1,665,815; Apr. 10.
- Welding machine. H. M. Naugle and A. J. Townsend. 1,694,555; Dec. 11.
- Welding machine. A. M. Stanley and J. E. Sims. 1,675,734; July 3.
- Welding machine, Arc. C. A. Bowlus. 1,684,726; Sept. 18.
- Welding-machine attachment, Electric-. C. W. Holstein. 1,664,173; Mar. 27.
- Welding machine, Automatic arc-. F. A. Haughton. 1,676,985; July 10.
- Welding machine, Automatic arc. P. O. Noble. 1,669,099; May 8.
- Welding machine, Automatic electric. J. Ledwinka. 1,691,486; Nov. 13.
- Welding machine, Electric. L. H. Hoffer. 1,675,705; July 3.
- Welding machine, Electric. J. A. Leeper and R. J. Strong. 1,679,041; July 31.
- Welding machine, Electric. C. M. MacChesney and R. H. Norton. 1,694,512; Dec. 11.
- Welding machine, Electric. J. W. Meadowcroft. 1,665,038; Apr. 3.
- Welding machine, Electric. J. W. Meadowcroft. 1,665,066-7; Apr. 3.
- Welding machine, Electric. W. B. Reed. 1,694,081; Dec. 4.
- Welding machine, Electric. F. L. Sessions. 1,661,970; Mar. 6.
- Welding machine, Electric spot-. R. Mack. 1,663,137; Mar. 20.
- Welding machine, Electrical. A. C. Taylor. 1,654,563; Jan. 3.
- Welding machine, Resistance. A. Jönsson. 1,663,200; Mar. 20.
- Welding machine, Spot-. E. F. Dwyer. 1,673,500; June 12.
- Welding mechanism, Electric. J. W. Winter. 1,681,604; Aug. 21.
- Welding medium for aluminum. W. Reuss. 1,675,664; July 3.
- Welding metallic tubes or pipes, Electric machine for. F. Brero. 1,692,245; Nov. 20.
- Welding method and apparatus, Electric. A. J. Townsend. 1,680,233; Aug. 7.
- Welding, Method of and apparatus for electric resistance. J. H. Gravell. 1,664,030; Mar. 27.
- Welding, Method of and device for electric. A. H. Adams. 1,677,161; July 17.
- Welding of can bodies, Electric. J. F. Brenzinger. 1,663,970; Mar. 27.
- Welding of copper and copper alloys. F. M. Becket. 1,680,844; Aug. 14.
- Welding of long seams, Electric. J. F. Lawson. 1,677,832; July 17.
- Welding or heating machine, Electric flash. A. C. Taylor. 1,654,562; Jan. 3.
- Welding, Overhead. O. H. Eschholz. 1,665,916; Apr. 10.
- Welding parts. E. Pugh. 1,690,377; Nov. 6.
- Welding parts, Device for. E. Pugh. 1,677,205; July 17.
- Welding plates, Process and apparatus for. C. Schaefer. 1,694,629; Dec. 11.
- Welding process, Electric. T. E. Murray, jr. 1,659,920; Feb. 21.
- Welding rails under traffic, Apparatus for. J. H. Deppeler. 1,681,571; Aug. 21.
- Welding rod. F. M. Becket. 1,689,577; Oct. 30.
- Welding rod. R. Franks. 1,671,417; May 29.
- Welding rod. J. B. Green. 1,669,660; May 15.
- Welding rod. N. B. Pilling and J. G. Schoener. 1,679,003; July 31.
- Welding rod. P. P. Pipes. 1,681,904; Aug. 21.
- Welding, Spot. W. Höpp. 1,669,126; May 8.
- Welding system, Arc. J. F. K. Harms. 1,684,317; Sept. 11.
- Welding system, Arc. J. Kjekstad. 1,662,368; Mar. 13.
- Welding tubes to plates or cylinders. H. S. Holmes. 1,665,461; Apr. 10.
- Welding tubular articles, Butt. M. W. Wysong. 1,679,701; Aug. 7.
- Well apparatus. F. Harder. 1,656,582; Jan. 17.
- Well apparatus. J. T. Phipps. 1,678,073-4; July 24.
- Well capper, Temporary. G. B. Ervin. 1,683,173; Sept. 4.
- Well-capping device. L. S. Hamer. 1,662,311; Mar. 13.
- Well-capping device and controlling head. A. O. Hessemer. 1,692,302; Nov. 20.
- Well-casing shoe. J. Von Gunten. 1,665,569; Apr. 10.
- Well casings, Combined guide plug and float valve for. L. J. Black. 1,659,478; Feb. 14.
- Well casings, Method of and apparatus for detecting binding points in. M. M. Kinley. 1,654,819; Jan. 3.
- Well-cleaning device. E. E. Campbell. 1,666,000; Apr. 10.
- Well drill, Rotary. E. S. Hutton. 1,658,125; Feb. 7.
- Well drilling. W. Sheldon. 1,674,069; June 19.
- Well drilling. W. Sheldon. 1,681,501; Aug. 21.
- Well-drilling apparatus. J. A. MacDonell. 1,660,999; Feb. 28.
- Well-drilling apparatus. W. Sheldon. 1,681,502; Aug. 21.

- Well-drilling apparatus, Valve-unit attachment for a sectional rotary pipe of a. J. L. Thomas. 1,660,634; Feb. 28.
- Well-drilling bit. C. S. Crickmer. 1,657,607-8; Jan. 31.
- Well elevator. J. Grant. 1,660,708; Feb. 28.
- Well flowing device. W. L. Martin. 1,692,131; Nov. 20.
- Well mechanism. G. C. Bushong. 1,688,483; Oct. 23.
- Well mechanism, Rotary. M. E. Layne. 1,656,281; Jan. 17.
- Well packer. C. R. Meeker. 1,689,956; Oct. 30.
- Well packer. J. K. Putnam. 1,672,169; June 5.
- Well packer. C. H. Reynolds. 1,662,336; Mar. 13.
- Well packer, Oil and gas. J. W. Smith, G. E. Sawyer, and V. L. Martin. 1,681,262; Aug. 21.
- Well packer, Screw-type. H. Thomson. 1,690,383; Nov. 6.
- Well, Pneumatic. G. B. De Witt. 1,670,957; May 22.
- Well point. T. F. Moore. 1,657,684; Jan. 31.
- Well-production apparatus. F. B. Vaughn and I. Thomas. Re16,980; May 29.
- Well reamer. F. L. Scott and R. Neuhaus. 1,654,609; Jan. 3.
- Well-rigging device. W. E. Miller. 1,660,271; Feb. 21.
- Well screen. H. and F. White and T. S. Munsell. 1,656,550; Jan. 17.
- Well screen. C. S. Wise. 1,674,384; June 19.
- Well strainer. C. E. Records and R. R. Schweitzer. 1,654,601; Jan. 3.
- Wells and strainer shoes for the same, Producing. T. W. and G. E. Thorpe. 1,677,606; July 17.
- Wells, Apparatus for cleaning oil. J. Wiesman. 1,658,697; Feb. 7.
- Wells, Apparatus for preparing. F. H. Ohland. 1,656,495; Jan. 17.
- Wells, Device for cleaning. E. C. Osgood. 1,672,654; June 5.
- Wells, Flow diverter for open. J. E. Welton. 1,659,452; Feb. 14.
- Wells, Method of and device for cementing. A. Boynton. 1,673,616; June 12.
- Weld and making the same. H. Lyon. 1,687,459; Oct. 9.
- Weld and method of making. H. Lyon. 1,695,967; Dec. 18.
- Weld-attaching mechanism. J. B. Hadaway. 1,683,666; Sept. 11.
- Weld, Finishing. R. C. Schemmel. 1,655,164; Jan. 3.
- Weld, Finishing. L. B. Strout. 1,688,094; Oct. 16.
- Weld mechanism for full-fashioned-knitting machines. W. D. Richter. 1,683,698; Sept. 11.
- Weld, Upholstering. J. W. Trew. 1,695,444; Dec. 18.
- Welting. E. W. Arnold. 1,682,465; Aug. 28.
- Welting. E. W. Arnold. 1,692,533; Nov. 20.
- Welting. H. Lyon. 1,687,461; Oct. 9.
- Welting and making, Beaded. H. Lyon. 1,687,460; Oct. 9.
- Welting and making same. W. J. Fallon, jr. 1,666,444; Apr. 17.
- Welting and making the same. H. Lyon. 1,656,564; Jan. 17.
- Welting and making the same. H. Lyon. 1,695,970; Dec. 18.
- Welting and making the same, Beaded. H. Lyon. 1,664,891; Apr. 3.
- Welting and method of making, Reverse. H. Lyon. 1,695,969; Dec. 18.
- Welting, Beaded. H. Lyon. 1,656,565; Jan. 17.
- Welting, Beaded. H. Lyon. 1,687,462; Oct. 9.
- Welting, Beaded. H. Lyon. 1,695,968; Dec. 18.
- Welting for boots and shoes. W. J. Fallon, jr. 1,662,495; Mar. 13.
- Welting or the like, Making. A. Dvilnsky. 1,656,348; Jan. 17.
- Wells, Fastening-driving means for. F. W. Merrick. 1,671,080; May 22.
- Wetting and decreasing agent. G. Zimmerli. 1,672,292; June 5.
- Wharf. H. P. Hamlin. 1,672,122; June 5.
- Wharf or pier. M. M. Upson. 1,672,102; June 5.
- Wheel: See—
- | | |
|--------------------------|---------------------------|
| Abrasive wheel. | Plow wheel. |
| Automobile wheel. | Polishing wheel. |
| Ball-bearing wheel. | Pressed wheel. |
| Band wheel. | Puncturing wheel. |
| Blade wheel. | Radiator and fly wheel. |
| Bull wheel. | Register wheel. |
| Car wheel. | Resilient wheel. |
| Cushion wheel. | Ring wheel. |
| Disk fan wheel. | Sectional wheel. |
| Disk wheel. | Segmental grinding wheel. |
| Driving wheel. | Sheet-metal wheel. |
| Elastic wheel. | Skate wheel. |
| Emergency wheel. | Spring wheel. |
| Feathering paddle wheel. | Sprocket wheel. |
| Gear wheel. | Steering wheel. |
| Grinding-machine wheel. | Sweeper wheel. |
| Grinding wheel. | Swivel wheel. |
| Grip wheel. | Toy wheel. |
| Grouser wheel. | Traction wheel. |
| Gyral wheel. | Tractor wheel. |
| Hub wheel. | Truck wheel. |
| Lug wheel. | Tug wheel. |
| Magnet wheel. | Two-part wheel. |
| Metal wheel. | Vehicle wheel. |
| Metallic vehicle wheel. | Vehicular wheel. |
| Paddle wheel. | Water wheel. |
| Pin wheel. | Whirlpool wheel. |
- Wheel. F. J. Anthony. 1,660,639; Feb. 28.
- Wheel. Z. P. Candee. 1,659,311; Feb. 14.
- Wheel. G. and P. Christia. 1,657,743; Jan. 31.
- Wheel. D. R. Collier. 1,678,669; July 31.
- Wheel. W. Dietzel. 1,657,374; Jan. 24.
- Wheel. C. W. Hammett. 1,681,182; Aug. 21.
- Wheel. I. M. Laddon, W. A. Ring, and F. W. Herman. 1,659,365; Feb. 14.
- Wheel. I. M. Laddon, W. A. Ring, and F. W. Herman. 1,659,366; Feb. 14.
- Wheel. J. P. Lavigne. 1,680,265; Aug. 7.
- Wheel. J. Ledwinka. 1,656,206; Jan. 17.
- Wheel. R. S. Lewis. 1,672,131; June 5.
- Wheel. H. V. Ludwick. 1,691,488; Nov. 13.
- Wheel. G. A. Mortier. 1,670,077; May 15.
- Wheel. W. A. Perry. 1,656,292; Jan. 17.
- Wheel. D. T. Phillips. 1,678,530; July 24.
- Wheel. D. T. Phillips. 1,680,338; Aug. 14.
- Wheel. F. W. Schmidt. 1,655,165; Jan. 3.
- Wheel. A. H. Shoemaker. 1,676,874; July 10.
- Wheel. J. G. Swain. 1,669,498; May 15.
- Wheel. J. G. Swain. 1,677,854; July 17.
- Wheel. F. H. Walkley. 1,661,025; Feb. 28.
- Wheel. J. W. White. 1,686,479; Oct. 2.
- Wheel-aligning device. H. G. and F. Hershman. 1,663,452; Mar. 20.
- Wheel-aligning device. E. Jenkins. 1,668,208; May 1.
- Wheel-aligning gauge. C. H. Archer. 1,696,290; Dec. 25.
- Wheel-aligning gauge. I. W. Munden. 1,678,157; July 24.
- Wheel-anchoring device. O. K. and C. C. Richard. 1,671,092; May 22.
- Wheel and chain, Traction. C. E. Frederickson. 1,687,834; Oct. 16.
- Wheel and hub, Drive. D. M. White. 1,657,054; Jan. 24.
- Wheel and rim, Combined demountable. C. S. Lehman. 1,657,833; Jan. 31.
- Wheel and rim mounting. J. V. Bretaude. 1,679,892; Aug. 7.
- Wheel and tire therefor. J. Ma Ricjas. 1,661,502; Mar. 6.
- Wheel assembly. M. G. Dusseau. 1,695,579; Dec. 18.
- Wheel attachment. L. S. Kline. 1,682,618; Aug. 28.
- Wheel attachment, Emergency-. A. Reinsberg. 1,667,820; May 1.
- Wheel brake. A. Y. Dodge. 1,659,545; Feb. 14.
- Wheel brake, Vehicle. G. J. Thomas. 1,681,630; Aug. 21.
- Wheel bridging for bad roads. C. F. W. Fiebbe. 1,680,143; Aug. 7.
- Wheel clamp, Tractor-. J. C. Sell. 1,679,381; Aug. 7.
- Wheel construction. A. B. Drury. 1,657,302; Jan. 24.
- Wheel construction. W. C. Martin. 1,696,405; Dec. 25.
- Wheel construction. H. Pounds. 1,689,968; Oct. 30.
- Wheel disks, Rolling. J. W. Smith. 1,657,231; Jan. 24.
- Wheel for automobiles. S. H. Clarke. 1,669,863; May 15.
- Wheel for elastic tires, Metal. C. Schenck and L. Fine. 1,683,700; Sept. 11.
- Wheel for drilling-rig structures. R. R. Bloss. 1,694,350; Dec. 4.
- Wheel for emergency, Spare. T. Chann. 1,680,704; Feb. 28.
- Wheel for internal-combustion turbines. G. Belluzzo. 1,657,192; Jan. 24.
- Wheel for knitting machines, Pattern. W. C. Austin. 1,687,279; Oct. 9.
- Wheel for pressing the empty tubes upon the spindles of spinning and doubling frames. E. Toennissen. 1,682,155; Aug. 28.
- Wheel for resilient tires. R. T. Smith. 1,272,696; June 5.
- Wheel for supporting portable containers, Swiveled. A. F. Callison. 1,676,381; July 10.
- Wheel gauge, Motor-vehicle-. C. C. Bennett. 1,675,481; July 3.
- Wheel-hub-assembling device. W. R. Smith and R. F. Wieneke. 1,662,543; Mar. 13.
- Wheel hubs, Driver for free-. H. Ludwig. 1,657,265; Jan. 24.
- Wheel jack. A. J. Michaud. 1,659,888; Feb. 21.
- Wheel mechanism, Free-. K. Maybach. 1,668,380; Mar. 20.
- Wheel mounting. B. Darrow. 1,676,820; July 10.
- Wheel mounting, Dirigible-. L. H. Thoen. 1,680,648; Aug. 14.
- Wheel nave and the like and method of forming it. H. S. Holmes. 1,675,706; July 3.
- Wheel-pitch gauge. F. R. Hartsock. 1,665,544; Apr. 10.
- Wheel puller. F. G. Eisenhuth. 1,680,974; Aug. 14.
- Wheel puller. C. R. Hays. 1,658,896; Feb. 14.
- Wheel puller. B. D. Jerabek. 1,656,731; Jan. 17.
- Wheel puller. D. C. Johnson. 1,684,226; Sept. 11.
- Wheel puller. G. Kell. 1,665,552; Sept. 10.
- Wheel puller. I. C. Woodward. 1,670,560; May 22.
- Wheel ratchet device, Free-. J. C. W. Humfrey. 1,670,197; May 15.
- Wheel regulator, Water-. C. A. Boddie. 1,671,463; May 29.
- Wheel remover. B. D. Jerabek. 1,688,716; Oct. 23.
- Wheel remover. L. Vingheroets. 1,658,066; Feb. 7.
- Wheel-ridge buster. W. S. Graham. 1,669,935; May 15.
- Wheel rim. J. L. Greenwood. 1,685,092; Apr. 3.
- Wheel-rim-contracting device. P. J. Rivers. 1,654,754; Jan. 3.
- Wheel-rim locking and contracting appliance. A. Cameron. 1,667,243; Apr. 24.
- Wheel rim, Vehicle. C. T. Biers. 1,676,725; July 10.

- Wheel rim, Vehicle. H. S. Goodkowitz. 1,675,488; July 3.
- Wheel rims, Making metal. E. E. Einfeldt. 1,681,177; Aug. 21.
- Wheel spoke, Metal. J. R. Welch. 1,657,439; Jan. 24.
- Wheel-stripping fixture. W. L. Flagg, E. S. Wellock, and M. E. Stock. 1,668,527; May 1.
- Wheel structure. C. S. Ash. 1,664,765; Apr. 3.
- Wheel structure. R. J. Reaney. 1,677,104; July 10.
- Wheel structure, Bull-. R. R. Bloss. 1,696,664; Dec. 25.
- Wheel structure, Colter-. F. J. Glisky. 1,665,957; Apr. 10.
- Wheel structure, Convertible. S. G. Thomson. 1,661,099; Feb. 28.
- Wheel structure, Convertible. S. G. Thomson. 1,668,092; May 1.
- Wheel structure, Disk-. E. A. Nelson. 1,656,220; Jan. 17.
- Wheel structure for vehicles. S. G. Thomson. 1,668,093; May 1.
- Wheel structure, Vehicle. J. W. Holt. 1,685,130; Sept. 25.
- Wheel-suspension means for motor vehicles. G. Fornaca. 1,693,111; Nov. 27.
- Wheel tightener. J. Olson. 1,666,829; Apr. 17.
- Wheels, Angle-indicating means for front. J. E. Domagall. 1,660,600; Feb. 28.
- Wheels, Antiskid device for automobile. W. Benlen and J. I. Flaherty. 1,667,686; Apr. 24.
- Wheels, Apparatus for forming. C. L. Wilber. 1,685,513; Sept. 25.
- Wheels, Assembling tubular-steel-spoked automobile. W. Kistler. 1,664,822; Apr. 3.
- Wheels, Attachment for tractor. D. Emerson and J. M. Keith. 1,673,816; June 19.
- Wheels, Demountable rim for vehicle. C. S. Johnston. 1,657,719; Jan. 31.
- Wheels, Device for dressing locomotive. A. W. Miller. 1,668,512; May 1.
- Wheels, Device for handling car. J. L. Gallion and J. H. Hammack. 1,669,872; May 15.
- Wheels, Elastic element for resilient. J. F. P. Coste. 1,667,373; Apr. 24.
- Wheels, Hub construction for vehicle. J. H. Hunt. 1,656,201; Jan. 17.
- Wheels, Making metal. E. R. Jacobi and F. H. Le Jeune. 1,682,909; Sept. 4.
- Wheels, Making metal. E. C. Mogford and F. W. Burger. 1,691,163; Nov. 13.
- Wheels, Manufacture of cushion-tired. J. F. Cullen. 1,666,234; Apr. 17.
- Wheels, Misalignment indicator for. H. A. Buckert and E. K. Hall. 1,665,252; Apr. 10.
- Wheels of planters, etc.; Extension rim for the drive. C. H. White. 1,660,461; Feb. 28.
- Wheels or other articles, Manufacturing composite rubber. E. S. Teed. 1,680,823; Aug. 14.
- Wheels, pulleys, and other like objects from shafts, axles, and the like, Drawing device for removing. J. G. Mason and J. Shaw. 1,668,688; May 8.
- Wheels, Rim-locking structure for metallic. G. A. Peacock. 1,659,154; Feb. 14.
- Wheels, Steadying device for vehicle. W. Moller. 1,656,566; Jan. 17.
- Wheels, Tread attachment for vehicle. P. W. Palm. 1,676,705; July 10.
- Whiffletree. J. E. Williams. 1,665,244; Apr. 10.
- Whippers, Operating mechanism for. G. A. Herron. 1,678,468; July 24.
- Whipping or agitating cream. C. E. North. 1,678,477; July 24.
- Whirlpool filling and parrying plant. A. Läufer. Re17,012; June 26.
- Whirlpool wheel. E. A. Eckberg. 1,670,882; May 22.
- Whist board, Duplicate. J. E. Plew. 1,657,898; Jan. 31.
- Whistle. C. Cooper. 1,663,648; Mar. 27.
- Whistle. C. Grein. Des. 76,014; Aug. 14.
- Whistle. E. R. Petrie. 1,688,348-9; Oct. 23.
- Whistle. G. J. Zisch. Des. 76,516; Oct. 2.
- Whistle, Pop-bottle. I. H. Erb. 1,687,086; Oct. 9.
- Whistler, Automatic. W. Orozco. 1,656,224; Jan. 17.
- White lead, Producing. C. H. Braselton. 1,655,723; Jan. 10.
- Wick, Burner. A. Heldrich. 1,693,604; Dec. 4.
- Wick device for cigar and other lighters. S. A. Margraff. 1,662,058; Mar. 13.
- Wicks, Kinder holder for. H. E. Treworgy. 1,667,229; Apr. 24.
- Wiener, Flat. W. Kourim. 1,689,395; Oct. 30.
- Winch. J. H. Wilson. 1,670,330; May 22.
- Winch for tractors, Power. C. R. Appleby. 1,684,857; Sept. 18.
- Winch, Rolling. T. K. White. 1,670,428; May 22.
- Wind box. J. A. Conly. 1,690,089; Oct. 30.
- Wind deflector. W. H. Rose. 1,667,013; Apr. 24.
- Wind fly scarer. F. E. Sharp. 1,659,378; Feb. 14.
- Wind instruments, Compound key mechanism for wood-. A. Loomis. 1,670,775; May 22.
- Wind instruments, Key pad for. A. Ciccone. 1,681,220; Aug. 21.
- Wind instruments, Triple automatic octave mechanism for wood-. A. Loomis. 1,670,774; May 22.
- Windlass mechanism. C. Panfili. 1,654,663; Jan. 3.
- Windlass construction. W. W. Erlewine. 1,689,016; Oct. 23.
- Windmill. R. M. Bennethum. 1,669,319; May 8.
- Windmill. I. M. Brandjord. 1,670,186; May 15.
- Windmill. A. Brzycky. 1,674,316; June 19.
- Windmill. E. N. Olson and P. E. Solberg. 1,661,847; Mar. 6.
- Windmill. F. R. Owens. 1,695,154; Dec. 11.
- Windmill. L. S. Stripling. 1,665,645; Apr. 10.
- Windmill. L. Thompson. 1,666,361; Apr. 17.
- Windmill regulator. R. M. Moore. 1,672,769; June 5.
- Windmill transmission drive. C. Andreini. 1,670,179; May 15.
- Windmills, Automatic speed control for. F. R. Burch. 1,675,159; June 26.
- Windmills, Regulating arrangement for. L. Constantin. 1,672,152; June 5.
- Windmills with electric generators, Connecting. L. Constantin. 1,677,027; July 10.
- Wind motor. J. D'Asseler. 1,670,099; May 15.
- Wind motor. T. B. Prease. 1,687,181; Oct. 9.
- Windshield. F. A. Dillingham. 1,666,642; Apr. 17.
- Windshield. F. Kohlberger. 1,668,682; May 8.
- Windshield. W. S. Pritchard. 1,655,337; Jan. 3.
- Windshield. A. L. Riker. 1,675,909; July 3.
- Windshield. W. A. Wummel. 1,650,257; Jan. 17.
- Windshield, Adjustable. T. N. Joyce. 1,682,229; Aug. 28.
- Windshield, adjuster for automobiles. S. Munson. 1,661,047; Feb. 28.
- Windshield attachment. E. Muntwyler. 1,688,344; Oct. 23.
- Windshield attachment. C. A. Updegrave and W. R. Shollenberger. 1,673,722; June 12.
- Windshield, Automobile. C. P. Chamberlin. 1,669,228; May 8.
- Windshield bracket. M. H. Toncray. 1,659,673; Feb. 21.
- Windshield cleaner. Paul Eric Bang. 1,688,104; Oct. 16.
- Windshield cleaner. F. H. Blake, 2d. 1,684,907; Sept. 18.
- Windshield cleaner. F. R. Curtis. 1,657,916; Jan. 31.
- Windshield cleaner. F. G. and W. M. Folberth. 1,661,133; Feb. 28.
- Windshield cleaner. F. G. and W. M. Folberth. 1,662,244; Mar. 13.
- Windshield cleaner. F. G. and W. M. Folberth. 1,665,204; Apr. 10.
- Windshield cleaner. F. G. and W. M. Folberth. 1,666,127; Apr. 17.
- Windshield cleaner. W. M. and F. G. Folberth. 1,670,285; May 15.
- Windshield cleaner. F. G. and W. M. Folberth. 1,670,680; May 22.
- Windshield cleaner. F. G. and W. M. Folberth. 1,672,154; June 5.
- Windshield cleaner. F. G. and W. M. Folberth. 1,673,742; June 12.
- Windshield cleaner. F. G. Folberth and W. M. Folberth. 1,674,037; June 19.
- Windshield cleaner. F. G. and W. M. Folberth. 1,675,337-8; July 3.
- Windshield cleaner. F. G. and W. M. Folberth. 1,690,004; Oct. 30.
- Windshield cleaner. F. G. and W. M. Folberth. 1,695,326; Dec. 18.
- Windshield cleaner. P. J. Halloran. 1,688,386; Oct. 23.
- Windshield, cleaner. J. R. Oishei. 1,674,657; June 26.
- Windshield cleaner. J. R. Oishei and H. Hueber. 1,674,056; June 19.
- Windshield cleaner. J. X. Phillips, jr. 1,662,207; Mar. 13.
- Windshield cleaner. J. X. Phillips, jr. 1,666,107-8; Apr. 17.
- Windshield cleaner. J. X. Phillips, jr. 1,693,665; Dec. 4.
- Windshield cleaner. V. Scalzo. 1,665,794; Apr. 10.
- Windshield cleaner. G. R. Scott. 1,672,136; June 5.
- Windshield cleaner. S. G. Skinner. 1,684,850; Sept. 18.
- Windshield cleaner. C. H. Steinfeld. 1,669,680; May 15.
- Windshield cleaner. J. Trimble. 1,658,312; Feb. 7.
- Windshield cleaner. J. G. Truesdell and W. J. O'Connell. 1,695,163; Dec. 11.
- Windshield cleaner, Automatic. F. G. and W. M. Folberth. 1,666,126; Apr. 17.
- Windshield cleaner, Automobile. G. W. Knutson. 1,679,576; Aug. 7.
- Windshield cleaner, Auxiliary. W. B. Murdock. 1,673,699; June 12.
- Windshield-cleaner motor. A. G. McCaleb. 1,667,559; Apr. 24.
- Windshield cleaners, Wiping element for. R. G. Arey. 1,663,290; Mar. 13.
- Windshield-cleaning device. J. A. Howard. 1,664,746; Apr. 3.
- Windshield construction. A. T. Potter. 1,682,185; Aug. 28.
- Windshield for automobiles. M. A. Lockwood. 1,679,252; July 31.
- Windshield for automobiles. H. T. Thomas. 1,691,312; Nov. 13.
- Windshield for grain harvesters. G. Chaney. 1,690,966; Nov. 6.
- Windshield for vehicles. E. E. Hills. 1,687,367; Oct. 9.
- Windshield frame. H. Perks. 1,659,612; Feb. 21.
- Windshield glass. H. L. Klein. 1,669,874; May 15.
- Windshield heater. R. T. Cummings. 1,686,146; Oct. 2.
- Windshield heater. J. E. Darlington. 1,656,473; Jan. 17.
- Windshield heater. L. Hagedorn. 1,680,102; Aug. 7.

- Windshield heater. E. S. Hudson. 1,659,487; Feb. 14.
 Windshield heater. W. O. Kennington. 1,686,012; Oct. 2.
 Windshield heater. F. E. Roberts. 1,675,911; July 3.
 Windshield heater. D. D. Sappenfield and F. M. Sheets. 1,696,127; Dec. 18.
 Windshield-operating mechanism. W. S. Pritchard. 1,666,912; Apr. 24.
 Windshield pivot. E. A. Henricson. 1,666,899; Apr. 24.
 Windshield regulator. K. Feilcke. 1,688,578; Oct. 23.
 Windshield regulator. W. A. Proctor. 1,669,146; May 8.
 Windshield regulator, Worm-drive. A. T. Potter. 1,685,786; Oct. 2.
 Windshield screen, Automobile. A. Bernhard. 1,668,350; May 1.
 Windshield. Ventilating. F. E. Brown, sr. 1,655,217; Jan. 3.
 Windshield visor. F. J. Schmidt, jr. and C. J. Nash. 1,655,513; Jan. 10.
 Windshield wing. J. R. Oishei. 1,658,390; Feb. 7.
 Windshield-wing mounting. W. La Hodny. 1,689,035; Oct. 23.
 Windshield wiper. C. E. F. Ahlm. 1,657,335; Jan. 24.
 Windshield wiper. G. A. Ariens. 1,661,152; Mar. 6.
 Windshield wiper. A. C. E. Lindner. 1,660,971; Feb. 28.
 Windshield wiper. E. Marlow. 1,670,266; May 15.
 Windshield wiper. J. Moskovitz and W. Peretz. 1,663,666; Mar. 27.
 Windshield wiper. J. R. Oishei and H. Hueber. 1,659,496; Feb. 14.
 Windshield wiper. L. F. Perilli. 1,660,895; Feb. 28.
 Windshield wiper. W. E. Seveke. 1,658,101; Feb. 7.
 Windshield wiper. S. H. Shaw and J. T. Sibley. 1,659,219; Feb. 14.
 Windshield-wiper adjuster. J. Demand. 1,681,724; Aug. 21.
 Windshield wiper, Automatic. E. O. Sather. 1,661,388; Mar. 6.
 Windshield wiper, Automobile. J. W. Small. 1,689,214; Oct. 30.
 Windshield wiper, Electric. L. W. Waters. 1,655,670; Jan. 10.
 Windshield wiper, Electric. L. W. Waters. 1,665,570; Apr. 10.
 Windshield-wiper heater. J. C. Damush. 1,691,842; Nov. 13.
 Windshield-wiper-operating mechanism. G. H. Lober. 1,679,674; Aug. 7.
 Windshield wipers, Attachment for. E. P. Gustafson. 1,655,266; Jan. 3.
 Windshields, Clear-vision device for automobile. E. A. Kroh. 1,663,500; Mar. 20.
 Wind vane. F. Luipersbek. 1,685,134; Sept. 25.
 Wind-off mechanism, Stock. H. D. Stevens. 1,681,064; Aug. 14.
 Winder. H. D. Colman. 1,661,817; Mar. 6.
 Winder. B. A. Peterson. 1,686,102; Oct. 2.
 Winder, Coil. J. W. Pleasant. 1,654,831; Jan. 3.
 Winders for artificial silk, Driving mechanism for. H. Benit. 1,661,990; Mar. 6.
 Winding and derolling device. P. E. Chapman. 1,682,213; Aug. 28.
 Winding and reeling machine. E. E. Bradley and I. R. Rowe. 1,676,885; July 10.
 Winding and unwinding yarns or threads. E. J. Abbott. 1,685,390; Sept. 25.
 Winding apparatus, Yarn-. G. B. Cocker. 1,678,975; July 31.
 Winding attachment for quiller frame. L. E. Anderson. 1,670,399; May 22.
 Winding device and reel for elastics or tapes. L. W. Joyce. 1,669,248; May 8.
 Winding-drum actuating and controlling mechanism. F. J. Shepard jr. and N. Warshaw. 1,672,178; June 5.
 Winding engine. J. R. McGiffert. 1,695,498; Dec. 18.
 Winding machine. J. A. Anderson. 1,687,704; Oct. 16.
 Winding machine. J. A. Cameron. 1,678,326; July 24.
 Winding machine. M. B. Grout. 1,675,650; July 3.
 Winding machine. J. C. Henny and R. H. Cramer. 1,689,873; Oct. 30.
 Winding machine. C. H. Jones. 1,673,246; June 12.
 Winding machine. J. O. McKean. 1,655,154-5; Jan. 3.
 Winding machine. E. F. Parks. 1,659,982; Feb. 21.
 Winding machine. C. L. Saal. 1,684,114; Sept. 11.
 Winding machine. E. R. Swanson. 1,656,088; Jan. 10.
 Winding machine. E. R. Swanson. 1,658,400; Feb. 7.
 Winding machine and process of bending strip material. W. C. Farnas. 1,655,997; Jan. 10.
 Winding machine, Cop-. J. H. Reed. 1,688,058; Oct. 16.
 Winding machine, Electric motor-. J. K. Darby. 1,692,114; Nov. 20.
 Winding machine, Tube-. C. Hollmann. 1,682,045; Aug. 28.
 Winding machine, Web-. N. Marcalus and R. H. Rausch. 1,669,832; May 15.
 Winding machine, Wire-. W. S. and O. J. Bisel. 1,679,804; Aug. 7.
 Winding machine, Yarn-. J. K. Altemus. 1,676,374; July 10.
 Winding machines, Cop holder for. E. A. De Wolf. 1,661,066; Feb. 28.
 Winding machines, Paper feed for. E. J. Hennelly. 1,668,114; May 1.
 Winding machines, Reel for silk-. J. J. Foller. 1,660,073; Feb. 21.
 Winding machines, Tension device for. W. E. Olson. 1,682,796; Sept. 4.
 Winding of yarns upon beams. J. and J. Brandwood. Oct. 23.
 Winding, Squirrel-cage. T. Schou. 1,695,391; Dec. 18.
 Window. J. Antal. 1,690,807; Nov. 6.
 Window. S. Ballner. 1,664,016; Mar. 27.
 Window. G. I. Barclay. 1,665,431-2; Apr. 10.
 Window. P. A. Beyer. 1,669,320; May 8.
 Window. R. H. Bliss. 1,661,162; Mar. 6.
 Window. J. Brogden. 1,685,060; Sept. 18.
 Window. C. H. Erceland. 1,682,669; Aug. 28.
 Window. J. M. Gamble. 1,668,640; May 8.
 Window. R. Kitsberger. 1,656,327; Jan. 17.
 Window. C. A. Lewis. Rel. 7,054; July 31.
 Window. C. A. Lewis. 1,676,399; July 10.
 Window. C. A. Lewis. 1,681,985; Aug. 28.
 Window. C. A. Lewis. 1,689,441; Oct. 30.
 Window. F. M. Lindersmith. 1,686,162; Oct. 2.
 Window. J. F. Massey. 1,696,498; Dec. 25.
 Window. S. A. McClellan. 1,694,886; Dec. 11.
 Window. F. W. McLean. 1,680,388; Aug. 14.
 Window. H. Müller. 1,654,698; Jan. 3.
 Window. P. R. Nye. 1,690,204; Nov. 6.
 Window. E. L. O. and R. E. Patten. 1,678,479; July 24.
 Window. D. R. Richards. 1,686,927; Oct. 9.
 Window. A. S. Tuñez. 1,690,886; Nov. 6.
 Window. E. Wagner. 1,658,268; Feb. 7.
 Window. D. B. Whistler. 1,663,870; Mar. 27.
 Window. P. H. and F. M. Williamson. 1,671,055; May 22.
 Window adjuster. R. A. Simpson. 1,659,898; Feb. 21.
 Window and door construction. B. J. Goldsmith and E. Koeb. 1,675,704; July 3.
 Window and screen operating mechanism, Combined. R. Cleveland. 1,692,247; Nov. 20.
 Window and the like. D. B. Whistler. 1,672,359; June 5.
 Window attachment. C. M. Heublein. 1,658,986; Feb. 14.
 Window attachment. C. Muth. 1,654,992; Jan. 3.
 Window attachment. J. T. Samuels. 1,671,166; May 29.
 Window attachment, Casement-. A. H. Carrier. 1,681,798; Aug. 21.
 Window, Automobile curtain. H. D. Geyer. 1,672,207; June 5.
 Window, Automobile curtain. L. M. Spencer. 1,670,830; May 22.
 Window, Automobile door. W. Steger. 1,674,487; June 19.
 Window, Carriage-hood. O. W. Siebert. 1,665,116; Apr. 3.
 Window, Casement. E. H. Ellison. 1,670,441; May 22.
 Window, Casement. E. J. Sibley. 1,681,260; Aug. 21.
 Window, Celluloid. F. H. Hall. 1,681,037; Aug. 14.
 Window channel. S. W. Nicholson. 1,655,874; Jan. 10.
 Window cleaner. G. L. Baker and H. W. Pattilo. 1,694,245; Dec. 4.
 Window cleaner. F. Bodenhofer. 1,662,038; Mar. 6.
 Window cleaner. O. Grossmann. 1,669,293; May 8.
 Window cleaner. C. A. Hoff. 1,690,581; Nov. 6.
 Window cleaner. K. Horihata. 1,666,060; Apr. 10.
 Window cleaner. J. J. Kilbride. 1,666,782; Apr. 17.
 Window cleaner. F. Langley. 1,691,819; Nov. 13.
 Window cleaner. G. A. Wagner. 1,655,585; Jan. 10.
 Window cleaner, Large-pane-. V. Benzo. 1,661,918; Mar. 6.
 Window cleaners, Safety device for. S. Tridico. 1,672,288; June 5.
 Window-cleaning apparatus. R. Anderson. 1,656,996; Jan. 24.
 Window-cleaning device. G. U. Brake. 1,661,358; Mar. 6.
 Window-cleaning device. A. Hormel. 1,668,645; May 8.
 Window-cleaning machine. A. Formoso. 1,674,102; June 19.
 Window construction. A. Entenman. 1,659,249; Feb. 14.
 Window construction. A. H. Fisher. 1,688,231; Oct. 16.
 Window construction. J. A. Fraser. 1,671,362; May 29.
 Window construction. C. Froesch. 1,686,082; Oct. 2.
 Window construction. B. J. Goldsmith and E. Koeb. 1,682,670; Aug. 28.
 Window construction. B. J. Goldsmith and E. Koeb. 1,687,015; Oct. 9.
 Window construction. F. X. Graser. 1,693,551; Nov. 27.
 Window construction. A. H. Kamphorne. 1,671,827; May 29.
 Window construction. F. J. Plym. 1,668,170; May 1.
 Window construction. F. M. Sawyer. 1,695,903; Dec. 18.
 Window construction. H. B. Stein. 1,688,836; Oct. 23.
 Window construction. J. Suter. 1,679,278; July 31.
 Window construction. L. J. Turcotte. 1,696,130; Dec. 18.
 Window construction. S. Westerheim. 1,690,084; Oct. 30.
 Window construction. S. A. Wight and E. H. McFarland. 1,658,317; Feb. 7.
 Window construction. F. A. Yeager. 1,676,597; July 10.
 Window construction. F. Zigane and W. E. Mettler. 1,663,932; Mar. 27.
 Window construction having adjustable rack. E. F. Chaffee. 1,672,369; June 5.
 Window construction, Metal. J. E. Dennis. 1,695,576; Dec. 18.
 Window construction, Metal. A. M. Lane. 1,663,134; Mar. 20.

- Window construction, Metal. T. P. Shean. 1,655,438; Jan. 10.
- Window-control mechanism. E. J. Cook. 1,692,157; Nov. 20.
- Window-control mechanism. S. W. Nicholson. 1,654,747; Jan. 3.
- Window-control mechanism. S. W. Nicholson. 1,659,891; Feb. 21.
- Window-control mechanism, Roller for. W. W. Carroll and S. W. Nicholson. 1,667,031; Apr. 24.
- Window controller. R. L. Ellery. 1,655,052; Jan. 3.
- Window cornice. H. L. Goodrow. 1,677,627; July 17.
- Window cornice. A. S. Newmark. 1,684,843; Sept. 18.
- Window, Curtain. A. S. Campbell. 1,680,011; Aug. 7.
- Window-curtain fitting. V. H. Moody and C. W. Kempton. 1,683,568; Sept. 4.
- Window, Demountable. H. Smith. 1,662,082; Mar. 13.
- Window device. C. E. Matson. 1,687,870; Oct. 16.
- Window device. A. Scarlato. 1,659,924; Feb. 21.
- Window display, Moving. H. S. Wilson. 1,673,929; June 19.
- Window, Double-hung. S. U. Barr. 1,677,578; July 17.
- Window, Double-sliding reversible. R. B. Wilson. 1,686,589; Oct. 9.
- Window, Draftless ventilated. J. Ehardt and L. Stark. 1,689,522; Oct. 30.
- Window fixture. G. E. Alphin. 1,685,831; Oct. 2.
- Window fixtures, Mechanism for attaching. A. G. Ilch. 1,665,785; Apr. 10.
- Window for closed cars, Removable. G. E. Mosher. 1,686,705; Oct. 9.
- Window for closed types of motor vehicles, Auxiliary. H. Kaplan. 1,675,107; June 26.
- Window for doors of motor cars and the like. G. Haarnagell. 1,689,132; Oct. 23.
- Window-frame construction. B. F. Kehrner and E. H. Brett. 1,665,702; Apr. 10.
- Window frame, Meter-. J. R. Delaney. 1,666,927; Apr. 24.
- Window frame, Screen-guiding. A. J. Vincent. 1,656,405; Jan. 17.
- Window framing. E. M. Rundgren. 1,661,198; Mar. 6.
- Window-glass channel. E. W. M. Bailey. 1,688,371; Oct. 23.
- Window-glass channel. E. W. M. Bailey. 1,696,589; Dec. 25.
- Window-glass clip. F. A. Yeager. 1,688,953; Oct. 23.
- Window-glass guide. E. W. M. Bailey. 1,680,315; Aug. 14.
- Window grating. O. M. Rexinger. 1,662,167; Mar. 13.
- Window guard. M. Heidt. 1,682,375; Aug. 28.
- Window guard. A. T. McWane. 1,673,578; June 12.
- Window guard. A. T. McWane. 1,693,853; Dec. 4.
- Window guard. A. Nagy. 1,657,839; Jan. 31.
- Window guard. T. C. Rush. 1,660,236; Feb. 21.
- Window guard and draft deflector, Combination. S. M. Girlich. 1,687,439; Oct. 9.
- Window guide. E. M. Kennedy. 1,666,175; Apr. 17.
- Window guide, Metal. L. Lipper. 1,663,274; Mar. 20.
- Window, Inclosed transparent. C. Lorber. 1,679,578; Aug. 7.
- Window jack, Adjustable. E. L. Embrey. 1,679,961; Aug. 7.
- Window lift, Two-turn. J. H. Roethel. 1,670,904; May 22.
- Window liquid. K. Deubel. 1,672,604; June 5.
- Window, Metal. P. M. Boeck. 1,662,453; Mar. 13.
- Window, Metal. J. H. Byrnes. 1,677,952; July 24.
- Window, Metal. A. Fien. 1,692,982; Nov. 27.
- Window, Metal. M. Kohut. 1,679,089; July 31.
- Window, Metal. J. F. Ruth. 1,680,640; Aug. 14.
- Window, Metal. J. F. Ruth. 1,681,134-7; Aug. 14.
- Window molding for automobiles. E. R. Creamer. 1,695,682; Dec. 18.
- Window mounting. B. J. Goldsmith and E. Koeb. 1,674,432; June 19.
- Window mounting. E. F. Tannewitz. 1,670,321; May 22.
- Window muffler. J. F. Newsom. 1,655,195; Jan. 3.
- Window, Multisash. F. Hauser. 1,659,103; Feb. 14.
- Window opener. W. L. Kraimer. 1,695,691; Dec. 18.
- Window-operating device. V. E. Frederick. 1,657,466; Jan. 31.
- Window-operating mechanism. F. J. Pfiffer. 1,683,914; Sept. 11.
- Window-operating mechanism. Motor-vehicle bus-. L. L. Corcoran. 1,693,690; Dec. 4.
- Window operator, Casement-. R. F. Brenner. 1,692,073; Nov. 20.
- Window or door structure. C. J. Callaghan. 1,660,253; Feb. 21.
- Window or the like. D. B. Whistler. 1,659,507; Feb. 14.
- Window panes, Raising or lowering. J. Saoutchik. 1,663,352; Mar. 20.
- Window particularly for automobiles, Adjustable. H. T. Plummer. 1,670,595; May 22.
- Window, Pivoted. B. Benzenberg. 1,663,188; Mar. 20.
- Window pole. C. A. Lewis. 1,681,990; Aug. 28.
- Window, Projected. K. Kato. 1,688,545; Oct. 23.
- Window protector, Locomotive-cab-. J. C. Boyle. 1,665,019; Apr. 3.
- Window protector, Locomotive cab-. J. C. Boyle. 1,674,423; June 19.
- Window protector, Office-. J. H. Speier. 1,693,287; Nov. 27.
- Window regulator. B. S. Floraday and H. B. Haskins. 1,687,481; Oct. 9.
- Window regulator. E. E. Heintz and T. P. Archer. 1,655,695-6; Jan. 10.
- Window regulator. S. W. Nicholson. 1,654,748; Jan. 3.
- Window regulator. S. W. Nicholson. 1,662,391; Mar. 13.
- Window regulator. J. H. Parsons. 1,686,171; Oct. 2.
- Window regulator for vehicles. P. Baco. 1,659,587; Feb. 21.
- Window-regulator mechanism. W. F. Costello. 1,687,238; Oct. 9.
- Window-regulator mounting. S. W. Nicholson. 1,681,251; Aug. 21.
- Window regulators, Connection between closures and control arms of. M. G. Hanson. 1,683,459; Sept. 4.
- Window regulators, Forming racks for use in. S. W. Nicholson. 1,670,476; May 22.
- Window, Reversible. R. E. Hysert. 1,696,067; Dec. 25.
- Window, Reversible. A. A. Ward. 1,687,116; Oct. 9.
- Window-rod holder. C. Grey. 1,688,241; May 1.
- Window, Rotatable. C. W. Olson. 1,682,236; Aug. 28.
- Window, Safety. A. Weiss. 1,662,623; Mar. 13.
- Window safety device. F. Dzierzenga. 1,664,599; Apr. 3.
- Window screen. L. G. Beers. 1,690,094; Nov. 6.
- Window screen. A. Dagrosa. 1,663,243; Mar. 20.
- Window screen. E. P. Garner. 1,684,349; Sept. 11.
- Window screen. W. E. Griffiths. 1,692,206; Nov. 20.
- Window screen. H. A. Hendren. 1,688,494; Oct. 23.
- Window screen. A. Jaroch. 1,685,027; Sept. 18.
- Window screen. L. Levi. 1,691,977; Nov. 20.
- Window screen. S. and J. Levine. 1,660,227; Feb. 21.
- Window screen. J. W. Marshall. 1,672,896; June 12.
- Window screen. A. F. Nye. 1,692,759; Nov. 20.
- Window screen. S. H. Peterson and A. G. Anderson. 1,693,209; Nov. 27.
- Window screen, Adjustable. R. L. Radford. 1,690,649; Nov. 6.
- Window screen and weathering and the like. C. H. Baugh. 1,658,280; Feb. 7.
- Window screen, Casement-. F. E. Loesch. 1,659,955; Feb. 21.
- Window-screen frame. O. V. Nelson. 1,664,311; Mar. 27.
- Window screen, Roller. M. O. Goldsmith. 1,673,326; June 12.
- Window screen, Rolling. G. Mercurio. 1,677,230; July 17.
- Window-screen structure, Rolling-. H. Dixon. 1,655,260; Jan. 3.
- Window screen, Transparent, folding, rain-proof. W. S. Lackey. 1,658,509; Feb. 14.
- Window screens, Guide plate for. A. J. Theriault. 1,674,932; June 26.
- Window seat. C. E. Ehnborn. 1,683,027; Sept. 4.
- Window seat. G. J. Trigonis. 1,664,470; Apr. 3.
- Window-shade fixture. J. W. Westendorf. 1,694,154; Dec. 4.
- Window shield. W. B. Clark. 1,666,773; Apr. 17.
- Window shield. J. R. C. Watson. 1,693,167; Nov. 27.
- Window shutter or shield, Collapsible. I. Lennox. 1,690,644; Nov. 6.
- Window, Sliding. H. A. Scoppettone. 1,687,899; Oct. 16.
- Window, Sliding and pivoted. L. G. Siller. 1,683,419; Sept. 4.
- Window, Sliding and swinging. J. L. Kleinman. 1,670,157; May 15.
- Window stay and fastener. T. P. Eustege. 1,669,900; May 15.
- Window, Store. R. A. Schlegel. 1,679,632; Aug. 7.
- Window, Storm. M. F. Strasser. 1,668,701; May 8.
- Window structure. C. Miller. 1,691,490; Nov. 13.
- Window structure. N. Nicolai. 1,679,260; July 31.
- Window structure. W. H. Taylor. 1,686,046; Oct. 2.
- Window support. C. A. Lewis. 1,675,939; July 3.
- Window tag for binders, Removable. M. W. and J. D. Federbush. 1,677,277; July 17.
- Window, Teller's. E. E. Spottswode. 1,673,601; June 12.
- Window, Two-way adjustable. C. H. Wshmeier. 1,691,559; Nov. 13.
- Window, Vehicle. R. H. Wappler. 1,681,507; Aug. 21.
- Window ventilator. C. G. Bloomer. 1,685,902; Oct. 2.
- Window ventilator. E. L. Clarke. 1,671,274; May 29.
- Window ventilator. E. L. Clarke. 1,686,407; Oct. 2.
- Window ventilator. F. Clarke. 1,692,288; Nov. 20.
- Window ventilator. M. F. Clay. 1,676,251; July 10.
- Window ventilator. M. F. Clay. 1,682,739; Sept. 4.
- Window ventilator. F. M. Crumley. 1,691,840; Nov. 13.
- Window ventilator. G. S. Henritzky. 1,693,442; Nov. 27.
- Window ventilator. P. F. Kimball. 1,660,168; Feb. 21.
- Window ventilator. J. M. Ludlow. 1,681,420; Aug. 21.
- Window ventilator. A. A. Miller. 1,690,830; Nov. 6.
- Window ventilator. C. E. Munroe. 1,660,972; Feb. 28.
- Window ventilator. C. F. Parent. 1,680,909; Aug. 14.
- Window ventilator. B. W. Parmenter. 1,672,655; June 5.
- Window ventilator. O. R. Witter. 1,681,206; Aug. 21.
- Window ventilator, Automatic. V. Petilli. 1,682,708; Aug. 28.
- Window washer. J. E. Zook. 1,666,190; Apr. 17.
- Window-washer's seat. S. Akimov. 1,668,882; May 8.
- Window-washing apparatus. W. J. Krill. 1,674,207; June 19.
- Window-washing device. H. Sebell. 1,661,236; Mar. 6.

- Window-washing device. P. H. Sukert. 1,689,163; Oct. 23.
- Window-washing machine. H. A. Harris. 1,662,887; Mar. 20.
- Window, Weatherproof. A. L. Champion. 1,669,599; May 15.
- Window, Weatherstripped metal. A. M. Lane. 1,686,668; Oct. 9.
- Window wiper. F. A. Eitelgoerge. 1,675,537; July 3.
- Windows and the like, Opening or closing sliding. H. Smith. 1,658,693; Feb. 7.
- Windows and the like, Opening or closing sliding. H. Smith. 1,662,722; Mar. 13.
- Windows and the like, Stay for casement. E. Heffernan. 1,678,511; July 24.
- Windows and the like, Water barrier for. C. H. Wilson. 1,683,377; Sept. 4.
- Windows, Balance arm for. E. H. Ellison. 1,681,931; Aug. 28.
- Windows, Device for adjusting casement. W. R. Parsons. 1,690,127; Nov. 6.
- Windows, Device for opening and closing attic. F. Petersen and H. Krüssmann. 1,673,020; July 24.
- Windows, Glass-runway construction for. E. A. Wetzel. 1,674,382; June 19.
- Windows, Manufacturing balance arms for. E. H. Ellison. 1,681,932; Aug. 28.
- Windows, Screen for automobile. A. I. Jacobson. 1,657,506; Jan. 31.
- Windows, Sentinel for. C. A. Lewis. 1,670,416; May 22.
- Wiper. N. S. Hillyard. 1,684,625; Sept. 18.
- Wiper. F. Owens. 1,664,316; Mar. 27.
- Wiper actuator, Windshield-. T. B. Polk. 1,689,967; Oct. 30.
- Wiper, Motor-vehicle front-glass. F. O. Conill. 1,669,285; May 8.
- Wiper, Windshield. J. Bornstein. 1,689,617; Oct. 30.
- Wiper, Windshield. C. A. Carlson. 1,677,018; July 10.
- Wiper, Windshield. V. H. Christen. 1,681,395; Aug. 21.
- Wiper, Windshield. S. P. Kienast. 1,676,561; July 10.
- Wiper, Windshield. D. Kuskin. 1,696,044; Dec. 18.
- Wiper, Windshield. R. C. McColley. 1,694,390; Dec. 11.
- Wiper, Windshield. F. Mokma. 1,675,816; July 3.
- Wiper, Windshield. J. R. Oishei. 1,695,342; Dec. 18.
- Wiper, Windshield. C. C. Pisciotto. 1,683,053; Sept. 4.
- Wiper, Windshield. C. Schultz. 1,679,097; July 31.
- Wiper, Windshield. G. P. Trego. 1,686,400; Oct. 2.
- Wiper, Windshield. S. G. Van Derbeck. 1,685,037; Sept. 18.
- Wiper, Windshield. H. R. Van Deventer. 1,686,673; Oct. 9.
- Wiper, Windshield. L. Zaiger. 1,678,688; July 31.
- Wiping device for wind screens, windows, and the like. J. W. Allen. 1,683,943; Sept. 11.
- Wipers, Mounting for windshield. G. B. Sayre. 1,677,215; July 17.
- Wire-annealing furnace. F. W. Manker. 1,674,407; June 19.
- Wire, Apparatus for manufacturing barbed. O. Schmid. 1,663,615; Mar. 27.
- Wire, Apparatus for processing. M. M. Austin and C. W. Balke. 1,688,481; Oct. 23.
- Wire-belt seam, Woven-. H. Lindsay. 1,674,289; June 19.
- Wire-bending machine. G. F. Matteson. 1,691,159; Nov. 13.
- Wire-bending machine. A. Van Veen. 1,667,911; May 1.
- Wire clamp. T. K. Cummins. 1,667,345; Apr. 24.
- Wire clamp. S. M. Palm and H. P. Putnam. 1,656,226; Jan. 17.
- Wire clamp. J. A. Rapelje. 1,659,745; Feb. 21.
- Wire clamp. C. J. Weller. 1,684,784; Sept. 18.
- Wire-coiling machine. H. M. H. Reufel, H. de Jong, and W. G. F. Wentink. 1,667,677; Apr. 24.
- Wire-coiling machine. R. Shepherd and W. Dalheimer. 1,667,681; Apr. 24.
- Wire connector. C. S. Beardsley. 1,673,135; June 12.
- Wire connector, Electric-. W. P. Marr. 1,692,414; Nov. 20.
- Wire-construction and attaching clip for same, Border. F. P. D'Arcy. 1,665,534; Apr. 10.
- Wire-covering device. C. H. Desautels. 1,674,767; June 26.
- Wire-crimping machine. J. P. Richardson. 1,657,695; Jan. 31.
- Wire cutter. C. Bonos. 1,678,551; July 24.
- Wire-cutting mechanism. A. A. Griswold and A. C. Goddard. 1,666,134; Apr. 17.
- Wire-drawing apparatus. B. B. Leustig and J. D. Petsche. 1,684,102; Sept. 11.
- Wire-drawing bench. H. S. Busey. 1,659,591; Feb. 21.
- Wire-drawing-bench puller. W. H. Sommer. 1,670,753; May 22.
- Wire-drawing block. J. S. Phifer. 1,683,482; Sept. 4.
- Wire-drawing block. S. Pushalski. 1,675,822; July 3.
- Wire-drawing-die guard. H. Blount. 1,691,043; Nov. 13.
- Wire-drawing mechanism. P. J. Mahoney. 1,683,906; Sept. 11.
- Wire-drawing mechanism. C. F. Mead. 1,682,393; Aug. 28.
- Wire fabric. H. Tampkin. 1,686,110; Oct. 2.
- Wire fabric and apparatus therefor, Production of welded. A. Armstrong. 1,661,156; Mar. 6.
- Wire fabric and making it, Woven-. J. C. Anderson. 1,691,507; Nov. 13.
- Wire-fabric-handling means. N. S. Harter. 1,668,846; May 8.
- Wire fabric, Woven-. M. H. Durand. Des. 76,609; Oct. 16.
- Wire fastening, Fence-. V. S. McDonough. 1,662,753; Mar. 13.
- Wire feeding and cutting device. C. K. Marcell. 1,655,471; Jan. 10.
- Wire feeding and cutting machine. P. E. Wlberg. 1,664,717; Apr. 3.
- Wire-fence machine. J. W. Dwiggin. 1,662,962; Mar. 20.
- Wire-fence machine. L. Swank. 1,670,172; May 15.
- Wire folding and cutting machine. D. D. Huyett. 1,696,121; Dec. 18.
- Wire-gauging mechanism. F. G. Wiswell. 1,658,272; Feb. 7.
- Wire-glass machine. J. P. Crowley. 1,656,048; Jan. 10.
- Wire-glass machine. J. Hastreiter. 1,656,583; Jan. 17.
- Wire-gripping mechanism. G. Woodward. 1,660,111; Feb. 21.
- Wire hanger, Signal-. A. J. Gurney. 1,658,983; Feb. 14.
- Wire, Insulated. E. A. Mau and O. F. Hutchinson. 1,685,369; Sept. 25.
- Wire-insulation stripper. L. Friedman. 1,692,030; Nov. 20.
- Wire into lengths, Apparatus for cutting. W. P. Zabel. 1,661,866; Mar. 6.
- Wire-lath bracket. G. F. Voight. 1,675,201; June 26.
- Wireless apparatus, Adjusting device for. H. D. Waterhouse. 1,668,127; May 1.
- Wireless apparatus for determining angles or directions. G. du B. de Bozas. 1,656,147; Jan. 10.
- Wireless apparatus, Tuned circuits of. H. Hardcastle. 1,658,718; Feb. 7.
- Wireless communication systems, Antiparasitic receiver for. H. J. M. de R. de Bellescize. 1,687,061; Oct. 9.
- Wireless parasitic currents, Elimination of. L. Levy. 1,684,103; Sept. 11.
- Wireless receiving apparatus. A. Mavrogenis. 1,660,803; Feb. 28.
- Wireless receiving apparatus, Antistatic arrangement in. A. E. Beattie. 1,683,122; Sept. 4.
- Wireless receiving cabinet. F. Conrad. 1,655,985; Jan. 10.
- Wireless receiving set. F. Conrad. 1,664,192; Mar. 27.
- Wireless receiving system. D. G. Little. 1,667,863; May 1.
- Wireless signaling. C. S. Franklin and P. P. Eckersley. 1,662,459; Mar. 13.
- Wireless-telegraph receiving apparatus. H. W. McLachlan and A. W. Langridge. 1,664,039; Mar. 27.
- Wireless telephone system. M. W. Sterns. 1,693,354; Nov. 27.
- Wireless telephone tube sending station. H. Chireix. 1,687,823; Oct. 16.
- Wire-line clamp. T. W. Bell and T. C. Rogers. 1,686,547; Oct. 9.
- Wire-line clamp. F. E. Crotto. 1,674,952; June 26.
- Wire-line lubricator. E. Timbs. 1,675,068; June 26.
- Wire link loops and the like, Device for opening and closing. G. B. Cady. 1,668,942; May 8.
- Wire, Making. F. C. Elder. 1,669,743; May 15.
- Wire, Manufacturing barbed. O. Schmid. 1,654,837; Jan. 3.
- Wire, Method of and apparatus for making curled. J. A. Wolle. 1,689,093; Oct. 23.
- Wire netting, Insole with insertion of. F. Vetterling. 1,659,339; Feb. 14.
- Wire panels, Reinforcing means for woven-. J. R. Scherer. 1,669,211; May 8.
- Wire, Pile. J. Bagley. 1,690,320; Nov. 6.
- Wire, Pile. M. B. Behrman. 1,671,270; May 29.
- Wire puller and twister for concrete framework. T. J. Howson. 1,684,797; Sept. 18.
- Wire rack. H. Young. 1,673,132; June 12.
- Wire reel. G. W. Landis. 1,663,766; Mar. 27.
- Wire reel. E. E. Leedy. 1,684,037; Sept. 11.
- Wire reel. A. Schwindenhammer. 1,685,007; Sept. 18.
- Wire splice. W. E. Cook. 1,672,979; June 5.
- Wire splicer. A. J. Boehm. 1,665,525; Apr. 10.
- Wire-splicing machine. J. W. Channell. 1,654,788; Jan. 3.
- Wire, Stitching. J. B. Green. 1,667,730; May 1.
- Wire-stitching folding machine. E. D. Rader. 1,676,156; July 3.
- Wire straightening and cutting machine. W. E. Bowler. 1,663,969; Mar. 27.
- Wire stretcher. C. A. Alderson. 1,662,733; Mar. 13.
- Wire stretcher. L. Hughes. 1,657,859; Jan. 31.
- Wire stretcher. J. W. Osborne and C. C. Freitag. 1,686,762; Oct. 9.
- Wire-stretcher clamp. J. B. Steele. 1,689,306; Oct. 30.
- Wire-stringing pilot. H. J. Westhaver. 1,675,235; June 26.
- Wire-stripping machine. J. M. White. 1,666,277; Apr. 17.
- Wire support, Feed-. N. A. Michaelson. 1,661,902; Mar. 6.
- Wire tensioning and tying machine, Automatic. A. J. Gorrard and P. Wright. 1,669,048; May 8.
- Wire terminal. L. E. Baltzley. 1,662,946; Mar. 20.
- Wire-threading leader and coupler. C. H. Kepler. 1,672,324; June 5.

- Wire-tie-twisting apparatus. A. M. Bates. 1,675,746; July 3.
- Wire ties. Method of and machine for producing deformed. J. S. McChesney. 1,682,016; Aug. 28.
- Wire tightener and stretcher. F. W. Simmons. 1,669,678; May 15.
- Wire tightener and stretcher, Fence-. G. Cowley. 1,656,319; Jan. 17.
- Wire-tightening machine. J. A. Gilman. 1,669,817; May 15.
- Wire twister. E. Craig. 1,674,035; June 19.
- Wire twister. M. E. Sanner. 1,654,704; Jan. 3.
- Wire-tying device. R. S. Thompson. 1,671,456; May 29.
- Wire-tying machine. A. J. Gerrard and P. Wright. 1,669,047; May 8.
- Wire-tying machine. J. S. McChesney. 1,682,015; Aug. 28.
- Wire-tying or twisting device. A. E. Bass. 1,684,723; Sept. 18.
- Wireworking device for stitching machines. E. Leschhorn. 1,684,838; Sept. 18.
- Wireworking machine. J. D. Coney and B. Garllus. 1,679,204; July 31.
- Wireworking machine. J. F. Kamen. 1,663,663; Mar. 27.
- Wireworking machine. G. F. Matteson. 1,695,255; Dec. 11.
- Wireworking machine. H. Prym. 1,670,006; May 15.
- Wires for evacuated containers and making same, Leading-in. J. A. Yuncck. 1,695,791; Dec. 18.
- Wires, Producing varnished. F. Hanff. 1,682,123; Aug. 28.
- Wood and product thereof, Treatment of. B. Ford. 1,677,963; July 24.
- Wood and solutions therefor, Preserving. L. P. Curtin. 1,659,135; Feb. 14.
- Wood and the like, Impregnation of. H. Renner. 1,683,488; Sept. 4.
- Wood. Apparatus for drying. J. F. and J. T. Hope. 1,684,627; Sept. 18.
- Wood-boring bit, Saw-toothed. A. H. Hawkinson. 1,655,836; Jan. 10.
- Wood-chipping machine. J. Rae. 1,684,411; Sept. 18.
- Wood-cutting apparatus. J. A., and P. H. Davey, and C. L. Gaugler. 1,682,268; Aug. 28.
- Wood pieces for making rolls, Joining. W. J. Simonds and J. G. Spear. 1,675,387; July 3.
- Wood preservation. H. W. Walker. 1,670,086; May 15.
- Wood, Preservation of. B. R. V. Malenkovici. 1,656,863; Jan. 17.
- Wood-preserving composition. K. H. Wolman. 1,656,804; Jan. 17.
- Wood protection. P. Bartsch. Re16,880; Feb. 14.
- Wood, Pulping. F. G. Rawling. 1,673,089; June 12.
- Wood seasoning. F. S. Shinn. 1,687,900; Oct. 16.
- Wood-shaping device. W. T. McLaughlin. 1,675,223; June 26.
- Wood splitter. O. R. Guderian. 1,667,969; May 1.
- Wood to form chemical paper stock, Cooking. W. H. Howell, jr. 1,670,156; May 15.
- Wood-turning machine. C. L. Mattison. 1,666,906; Apr. 24.
- Wood-turning machine. C. Tellenbach. 1,674,708; June 26.
- Wood-wind instrument. A. Loomis. 1,662,195; Mar. 13.
- Wood-wind instruments, Octave-key mechanism for. A. Loomis. 1,662,196; Mar. 13.
- Woodworking apparatus. G. Krasnosky. 1,691,850; Nov. 13.
- Woodworker's bench. A. Peterson. 1,673,121; June 12.
- Woodworking machine. M. Hutchinson. 1,691,519; Nov. 13.
- Woodworking machine. A. M. Lane. 1,669,716; May 15.
- Woodworking machine. F. L. Lane. 1,686,915; Oct. 9.
- Woodworking machine. A. N. Miller. 1,670,731; May 22.
- Woodworking machine. O. Onsrud. 1,685,572; Sept. 25.
- Woodworking machine. O. Onsrud. 1,685,613; Sept. 25.
- Woodworking machine, Automatic. W. Lottermann, L. B. Lester, and M. K. Orton. 1,676,738; July 10.
- Woodworking machine with tubular cutter. N. L. Gullford. 1,688,385; Oct. 23.
- Woodworking machine, Universal. F. B. Falkins. 1,668,061; May 1.
- Woodworking machines, Cutter head for. R. O. Betterley. 1,664,806; Apr. 3.
- Woodworking machines, Cutter head for. L. B. Whipple. 1,663,894; Mar. 27.
- Wool and the like, Holder for skeins of. H. P. Warren. 1,659,416; Feb. 14.
- Wool-combing machine. B. Craven. 1,659,352; Feb. 14.
- Wool felts, Manufacture of. E. Brecht and R. Fugmann. 1,694,032; Dec. 4.
- Wool finish to cotton cloth, Imparting a. M. J. Mack. 1,689,208; Oct. 30.
- Work-adjusting means. W. J. Baumberger and H. H. Yerk. 1,682,472; Aug. 28.
- Workbasket. A. Reese. 1,674,343; June 19.
- Workbench. J. Mill. 1,662,608; Mar. 13.
- Workbench and tool holder, Combination. G. Eger. 1,688,533; Oct. 23.
- Work clamp, Machinist's. A. Schmalz. 1,676,289; July 10.
- Work-driving device. J. Bath. 1,691,144; Nov. 13.
- Work fixture. F. J. Malone. 1,674,291; June 19.
- Work holder. W. H. Chapman. 1,675,449; July 3.
- Work holder. J. Edgar. 1,694,034; Dec. 4.
- Work holder. H. H. Kistner. 1,654,737; Jan. 3.
- Work holder. G. L. Ljunglof. 1,685,167; Sept. 25.
- Work holder. C. Schron. 1,676,290; July 10.
- Work-holding appliance. J. F. Feehery. 1,664,202; Mar. 27.
- Work-holding head for lathes. C. A. Richard. 1,687,143; Oct. 9.
- Work-locating apparatus. C. W. Leck. 1,689,881; Oct. 30.
- Work-positioning means. A. F. Pym. 1,674,061; June 19.
- Work-presenting device. T. Lund. 1,655,427; Jan. 10.
- Work-sheet-locating means. H. A. Foothorap. 1,655,415; Jan. 10.
- Work sheets and carbons, Holder for. J. A. B. Smith. 1,656,650; Jan. 17.
- Workstand. F. A. Bienvu. 1,691,634; Nov. 13.
- Work supporting and centering device. C. M. Gearing. 1,671,711; May 29.
- Work-supporting fixture. H. H. Yerk and W. J. Baumberger. 1,658,826; Feb. 14.
- Work supports and tool carriages, Device for controlling. H. F. Hoevel. 1,655,767; Jan. 10.
- Worktable. J. A. Frissh. 1,606,248; Mar. 20.
- Worktable. G. D. Pitkin. 1,683,299; Sept. 4.
- Worktable for factory use. R. J. Hearne. 1,668,072; Feb. 14.
- Worktable for pneumatic-tire repairing. E. M. Godfrey, jr. 1,686,553; Oct. 9.
- Work transferer, Automatic-machine. G. P. Peterson. 1,693,959; Dec. 4.
- Working articles, Method of and apparatus for. F. W. Colbeck and S. Thronsen. 1,677,172; July 17.
- Working head, Doublestroke. H. Schlachter. 1,676,163; July 3.
- Working mechanism, Material-. E. N. Jorgensen. 1,682,911; Sept. 4.
- Working mechanism, Material-. A. E. Schulz. 1,691,588; Nov. 13.
- Working press, Sheet-metal. F. J. Rode. 1,689,500; Oct. 30.
- Woven fabrics, Device for cutting weft threads of. R. Marx. 1,659,436; Feb. 14.
- Woven material. F. R. Elston. 1,690,776; Nov. 6.
- Wrap. E. E. Marshall. 1,661,768; Mar. 6.
- Wrapper. H. G. Norwood. 1,696,445; Dec. 25.
- Wrapper. H. B. Walter. 1,675,147; June 26.
- Wrapper for coins and the like. M. B. Sonne. 1,685,649; Sept. 25.
- Wrapper for food products. L. Josephson. 1,661,479; Mar. 6.
- Wrapper for needles. L. M. Haines. Des. 76,187; Aug. 28.
- Wrapper for piece goods. F. Galbraith and W. Valet. 1,658,981; Feb. 14.
- Wrapper for receptacles and preparing the same. H. P. Shopneck. 1,694,399; Dec. 11.
- Wrapper for textile piece goods. F. Galbraith and W. Valet. 1,655,460; Jan. 10.
- Wrapper, Lamp. F. S. Goodspeed. 1,686,273; Oct. 2.
- Wrapper-pasting device. H. P. Wood. 1,661,210; Mar. 6.
- Wrapping and banding machine, Package. H. K. Becker and E. G. Jurgens. 1,687,488; Oct. 16.
- Wrapping and labeling machine. J. Van Buren. 1,696,020; Dec. 18.
- Wrapping and other machines, Paper-roll support for. F. A. Gordon. 1,655,631; Jan. 10.
- Wrapping and sealing articles, Machine for. H. A. Sévigné. 1,655,634; Jan. 10.
- Wrapping cheese. C. F. Doane. 1,693,694; Dec. 4.
- Wrapping for packages, Advertising. N. E. Covell. 1,694,701; Dec. 11.
- Wrapping loaves of bread, Machine for. P. Gangler. 1,669,046; May 8.
- Wrapping machine. H. Y. Armstrong. 1,660,854; Feb. 28.
- Wrapping machine. H. Z. Cobb. 1,670,137; May 15.
- Wrapping machine. H. F. Freeman. 1,669,513; May 15.
- Wrapping machine. F. A. Gordon and W. E. Phelps. 1,655,633; Jan. 10.
- Wrapping machine. H. H. Metcalf. 1,674,408; June 19.
- Wrapping machine. H. H. Metcalf. 1,677,924; July 24.
- Wrapping machine. B. Badtke. 1,693,403; Nov. 27.
- Wrapping machine. H. A. Sévigné. 1,655,632; Jan. 10.
- Wrapping machine. H. A. Sévigné and E. E. Poulin. 1,655,630; Jan. 10.
- Wrapping machine. E. L. Smith and H. J. Paynter. 1,674,026; June 19.
- Wrapping machine, Bread-. H. F. Bechman. 1,685,146; Sept. 25.
- Wrapping-machine control. F. Farmer. 1,689,428; Oct. 30.
- Wrapping machine, Paper-roll-. G. Meyer-Jagenberg. 1,663,554; Mar. 27.
- Wrapping machine for stick candy. E. L. Smith, A. E. Phelon, and P. Langhammer. 1,693,674; Dec. 4.
- Wrapping machine, Pipe-. D. Finley. 1,669,555; May 15.
- Wrapping machine, Pipe-. L. S. Rosener. 1,686,929; Oct. 9.
- Wrapping machine, Soap-. E. L. Smith and A. E. Phelon. 1,693,675; Dec. 4.
- Wrapping machinery. W. E. Molins. 1,683,789; Sept. 11.
- Wrapping machinery, Article-. A. E. Hopkins. 1,659,143; Feb. 14.
- Wrapping machines, Adjustable form for. C. Pouzar. 1,657,642; Jan. 31.
- Wrapping machines and the like, Driving mechanism for. G. W. Prouty. 1,670,939; May 22.
- Wrapping machines, Cutting and timing mechanism for. J. Derry. 1,656,429; Jan. 17.
- Wrapping machines, Cutting mechanism for. G. W. Prouty. 1,659,159; Feb. 14.

- Wrapping machines, Marking device for. M. E. Foernsler. 1,664,028; Mar. 27.
- Wrapping machines, Roll holder for. J. Derry. 1,673,444; June 12.
- Wrapping machines, Scoring device for caramel-. W. H. Sergeant. 1,669,727; May 15.
- Wrapping of cigarettes and other articles. W. E. Molins. 1,686,290; Oct. 2.
- Wrapping or unwrapping machine. J. Derry. 1,674,278; June 19.
- Wreath. V. T. Hoeflich. Des. 76,481; Oct. 2.
- Wreath, Decorative. W. G. Jopson. 1,694,125; Dec. 4.
- Wreath form. E. D. Tubbs. 1,696,221; Dec. 25.
- Wreath, Illuminated. P. J. Timberlake. 1,655,345; Jan. 3.
- Wreath support. H. P. Hanson and V. F. Bergman. 1,657,750; Jan. 31.
- Wrecking clamp, Automobile. A. C. Kaplan. 1,675,106; June 26.
- Wrecking frog. W. P. Davies. 1,656,621; Jan. 17.
- Wrench: See—
- Adjustable wrench. Plug wrench.
 - Cable wrench. Power-operated wrench.
 - Chain wrench. Radiator wrench.
 - Faucet wrench. Ratchet wrench.
 - Lineman's wrench. Sliding-jaw wrench.
 - Monkey wrench. Socket wrench.
 - Motor wrench. Splicing-sleeve wrench.
 - Pipe-flange wrench. Sucker-rod wrench.
 - Pipe wrench.
- Wrench. A. and A. Albertini. 1,665,944; Apr. 10.
- Wrench. C. F. Ash, jr. 1,691,326; Nov. 13.
- Wrench. R. E. Ashcroft. 1,664,391; Apr. 3.
- Wrench. J. F. Astley. 1,661,402; Mar. 6.
- Wrench. V. Barton. 1,666,879; Apr. 17.
- Wrench. E. Berta. 1,673,221; June 12.
- Wrench. D. M. Bright. 1,662,413; Mar. 13.
- Wrench. A. Caponegro and C. Pergola. 1,660,414; Feb. 28.
- Wrench. F. J. Carnelli and R. B. Morris. 1,659,081; Feb. 14.
- Wrench. E. R. Carpenter. 1,660,989; Feb. 28.
- Wrench. E. L. Conrad. 1,672,804; June 5.
- Wrench. J. H. Dowd. 1,662,002; Mar. 6.
- Wrench. T. M. Foss. 1,658,890; Feb. 14.
- Wrench. J. A. Giles. 1,668,091; Apr. 17.
- Wrench. B. J. Greer. 1,678,216; July 24.
- Wrench. G. Grimsrud. 1,689,072; Oct. 23.
- Wrench. J. J. Haggerty. 1,657,965; Jan. 31.
- Wrench. J. H. Hancock. 1,658,895; Feb. 14.
- Wrench. T. S. and R. Hannes. 1,686,376; Oct. 2.
- Wrench. R. Hoe. 1,681,184; Aug. 21.
- Wrench. H. K. Hyrup. 1,666,740; Apr. 17.
- Wrench. H. W. Jacobson. 1,680,789; Aug. 14.
- Wrench. E. S. Kelsen. 1,673,077; June 12.
- Wrench. C. T. Marthey. 1,693,304; Nov. 27.
- Wrench. R. McGilvray. 1,666,103; Apr. 17.
- Wrench. W. J. O'Neill. 1,694,140; Dec. 4.
- Wrench. V. B. Peterson. 1,658,495; Feb. 7.
- Wrench. A. W. Peterson. 1,663,920; Mar. 27.
- Wrench. A. J. Prelning. 1,660,208; Feb. 21.
- Wrench. T. H. Ross. 1,657,902; Jan. 31.
- Wrench. A. C. Schelf. 1,666,353; Apr. 17.
- Wrench. E. H. Simonsen. 1,680,956; Aug. 14.
- Wrench. G. H. Speckman. 1,655,168; Jan. 3.
- Wrench. C. Stone. 1,675,064; June 26.
- Wrench. J. Strobel. 1,691,216; Nov. 13.
- Wrench. H. W. Switzer. 1,678,793; July 31.
- Wrench. E. E. Thomas. 1,665,511; Apr. 10.
- Wrench. B. O. Wade. 1,677,909; July 24.
- Wrench. W. C. Wallis. 1,690,042; Oct. 30.
- Wrench and hammer, Combined pole-line. C. L. Clark. Des. 76,122; Aug. 21.
- Wrench and screw driver, Socket. W. W. Gast. 1,677,473; July 17.
- Wrench extension, Speed-handle. W. J. Victory. 1,676,370; July 10.
- Wrench for automobiles, tractors, and the like, Adjustable universal. A. W. Schoeb. 1,659,838; Feb. 21.
- Wrench for vertical twister travelers. J. E. Hull. 1,665,926; Apr. 10.
- Wrench-handle attachment. J. E. Durham, jr., and D. Hume. 1,683,384; Sept. 4.
- Wrench mechanism. J. Scherner. 1,661,682; Mar. 6.
- Wrench set, Socket. C. E. Wakefield, J. P. Fleming and J. F. Oliver. 1,680,578; Aug. 14.
- Wrenches, Making. O. Becklin. 1,656,343; Jan. 17.
- Wringer: See—
- Cabinet wringer. Foldable wringer.
 - Clothes wringer. Mop wringer.
 - Enclosable or folding wringer. Power-operated wringer.
 - Washing-machine wringer.
- Wringer. W. G. Beatty. 1,655,490; Jan. 10.
- Wringer. W. G. Beatty. 1,686,119-20; Oct. 2.
- Wringer. W. W. Brown. 1,688,684; Oct. 23.
- Wringer. P. J. S. T. W., J. W., and G. P. Burt. 1,674,190; June 19.
- Wringer. Y. Gehrlein. 1,692,827; Nov. 27.
- Wringer. E. A. Hirner. 1,683,352; Sept. 4.
- Wringer. C. Metrewitz. 1,660,082; Feb. 21.
- Wringer. J. B. Miskowicz. 1,690,026; Oct. 30.
- Wringer. E. D. Misner. 1,682,232; Aug. 28.
- Wringer. F. B. Morehouse and W. H. Kleinhammer. 1,666,749; Apr. 17.
- Wringer. S. E. Schroeder. 1,667,496; Apr. 24.
- Wringer. S. E. Schroeder. 1,693,821; Dec. 4.
- Wringer. H. F. Snyder. 1,687,401; Oct. 9.
- Wringer. A. S. Wise. 1,680,403; Aug. 14.
- Wringer and incasing gear mechanism, Rotative and locking unit supporting clothes. D. M. Wenger. 1,687,853; Oct. 16.
- Wringer attachment. R. W. Schneider. 1,669,783; May 15.
- Wringer clothes feed, Safety. W. H. Voss. 1,654,712; Jan. 3.
- Wringer-control mechanism. H. C. Hirschy and R. C. Hitchcock. 1,665,263; Apr. 10.
- Wringer mechanism. H. W. Mitchell. 1,662,616; Mar. 13.
- Wringer mechanism, Clothes. G. L. Hedges. 1,687,764; Oct. 16.
- Wringer mechanism, Safety. S. E. Schroeder. 1,667,495; Apr. 24.
- Wringer mounting. W. G. Peters. 1,686,709; Oct. 9.
- Wringer rolls, Pressure-controlling means for. T. C. Davis. 1,678,849; July 31.
- Wringer support and gear housing, Swinging. D. M. Wenger. 1,687,411; Oct. 9.
- Wringers, Automatic release for. W. W. Brown. Nov. 27.
- Wringers, Control mechanism for. H. J. Criner. 1,693,270; 1,688,408; Oct. 23.
- Wringers, Reversible mechanism for operating washing-machine. D. M. Wenger. 1,662,552; Mar. 13.
- Wringers, Safety device for clothes. A. Folke. 1,661,654; Mar. 6.
- Wringers, Safety device for clothes. L. S. Gunderman. Re17,030; July 10.
- Wringers, Safety feeding device for clothes. E. B. Lemon. 1,675,034; June 26.
- Wrinkling finish. F. B. Root. 1,689,892; Oct. 30.
- Wristlet, note pad, and pencil holder, Combined. A. B. Clark and A. C. Koester. Des. 76,777; Nov. 6.
- Wrist pin. O. Cox and O. C. Willis. 1,667,588; Apr. 24.
- Wrist pin. F. C. Goldsmith. 1,654,586; Jan. 3.
- Wrist-strap device. A. Bulova. 1,684,054; Sept. 11.
- Wrist-watch strap. A. Hadley. 1,695,487; Dec. 18.
- Writing apparatus, Electrically-displayed. C. Lauria. 1,696,548; Dec. 25.
- Writing device. W. Voith. 1,661,204; Mar. 6.
- Writing, Device for use in. D. Collen. 1,681,842; Aug. 21.
- Writing implement. F. Furedy. 1,664,071; Mar. 27.
- Writing implement. F. Furedy, C. Schroth, and W. Favini. 1,679,566; Aug. 7.
- Writing implement, Adjustable. F. Furedy. 1,664,166; Mar. 27.
- Writing implements, Attachment for. J. M. Utrilla. 1,678,578; July 24.
- Writing instruments, Combined guard and corrective appliance for. B. J. Hopper. 1,669,755; May 15.
- Writing machine. A. A. Egli. 1,669,932; May 15.
- Writing machine. D. W. Shiek. 1,666,267; Apr. 17.
- Writing machine. H. J. van Beek. 1,657,422; Jan. 24.
- Writing machines, Silencing apparatus for. R. G. Daniel. 1,656,268; Jan. 17.
- X-ray anodes, Making. E. G. Gilson. 1,671,953; May 29.
- X-ray apparatus. W. D. Coolidge. 1,655,455; Jan. 10.
- X-ray apparatus. M. Morrison. 1,690,906; Nov. 6.
- X-ray apparatus. F. S. Smith. 1,655,635-7; Jan. 10.
- X-ray appliance. O. H. and A. F. Pieper. 1,687,509; Oct. 16.
- X-ray cooling system. J. B. Wantz. 1,665,486; Apr. 10.
- X-ray device. W. D. Coolidge. 1,659,133; Feb. 14.
- X-ray film holder, Dental. T. E. Sikes. 1,667,442; Apr. 24.
- X-ray screen for taking skiagrams. R. Manul. 1,662,528; Mar. 18.
- X-ray tube. G. Bucky. 1,679,332; July 31.
- X-ray tube. G. Bucky. 1,679,894; Aug. 7.
- X-ray tube. J. W. Marden. 1,665,637; Apr. 10.
- X-ray tube. M. Morrison. 1,665,638; Apr. 10.
- X-ray tube. M. Morrison. 1,685,928; Oct. 2.
- X-ray tube adapted for high voltage. C. T. Ulrey. 1,655,926; Jan. 10.
- X-ray-tube shield. A. F. Pieper. 1,672,423; June 5.
- Yard system for wood-preservation plants. W. H. Grady. 1,675,027; June 26.
- Yarn and making same, Waterproof. J. C. Peabody. 1,663,953; Mar. 27.
- Yarn and the like, Hank of. G. Saylor. 1,682,631; Aug. 28.
- Yarn, Apparatus for the manufacture of. J. A. Heany. 1,688,620; Oct. 23.
- Yarn balloon. M. N. Almquest and A. B. Jablonski. 1,664,149; Mar. 27.
- Yarn carrier, Filling wound. S. Boyd. 1,672,844; June 5.
- Yarn carrier or tube frame and receivers or tubes therefor. W. Bixby. 1,670,434; May 22.
- Yarn carriers, Mechanism for and threading. W. Bixby. 1,656,815; Jan. 17.
- Yarn-cleaning device. H. W. Matthews. 1,659,956; Feb. 21.
- Yarn clearer. M. N. Noling. 1,657,275; Jan. 24.
- Yarn clearer and tension device, Combined. B. A. Peterson. 1,672,471; June 5.
- Yarn clearer or the like. B. A. Peterson. 1,663,856-7; Mar. 27.

- Yarn, Conditioning and cooling. F. Kershaw. 1,670,262; May 15.
- Yarn-conditioning machine. A. Blanchard. 1,686,548; Oct. 9.
- Yarn, Process and apparatus for making. J. A. Heany. 1,681,234; Aug. 21.
- Yarn reel, more particularly for the winding of freshly-spun artificial silk. K. Meyer-Gaus. 1,692,415; Nov. 20.
- Yarn stop motion. G. A. Urlaub. 1,668,435; May 1.
- Yarn-twisting device. W. Spink. 1,687,261; Oct. 9.
- Yarn-twisting machines, Stop motion for. J. Wyss. 1,665,006; Apr. 3.
- Yarns and fabrics with woollike effects, Vegetable. A. Bodmer. 1,666,083; Apr. 17.
- Yarns, Manufacturing colored. W. J. Kerwin, jr. 1,660,129; Feb. 21.
- Yarns or the like in looms, winding, doubling, and other textile machines, Tensioning. H. L. Byrd. 1,675,330; July 3.
- Yarns or the like, Mechanism for and method of handling. E. F. Hathaway and W. Bixby. 1,666,650; Apr. 17.
- Yarns or threads, Production of. C. W. Palmer. 1,672,083; June 5.
- Yarns or threads, Production of artificial. G. Lardy. 1,693,759; Dec. 4.
- Yeast, especially by the aeration process, Manufacture of. A. Pollak. 1,677,529; July 17.
- Yeast, Manufacture of. R. L. Corby and W. H. F. Bührig. 1,673,735; June 12.
- Yeast, Manufacture of. A. P. Harrison. 1,676,437; July 10.
- Yeast, Preparation of. G. O. W. Heijkenskjöld. 1,680,048; Aug. 7.
- Yeast stimulants and using them. T. B. Wagner. 1,680,827; Aug. 14.
- Yoke and making same. K. M. Hamilton. 1,669,706; May 15.
- Yoke, Eccentric. F. A. Nemec. 1,695,776; Dec. 18.
- Yoke filler and making the same, Drawbar. H. T. Anderson. 1,660,739; Feb. 28.
- Zeolites in the treatment of water, Increasing the efficiency of. W. C. Foster. 1,683,967; Sept. 11.
- Zeolites, Preparing natural. M. F. Newman. 1,693,234; Nov. 27.
- Zero corrector. G. Carpenter. 1,661,214; Mar. 6.
- Zero-resetting device. L. N. Davy. 1,692,293; Nov. 20.
- Zinc coating ferrous metal. J. G. Fitz Gerald. 1,675,646; July 3.
- Zinc dust, Method and apparatus for producing. F. P. Lannon, jr. 1,688,426; Oct. 23.
- Zinc from ores, Recovery of. R. T. D. Williams and S. W. Ross. 1,672,016; June 5.
- Zinc from zinc-bearing solutions, Recovery of. N. E. Lennander. 1,694,710; Dec. 11.
- Zinc, Making. J. Allingham. 1,674,030; June 19.
- Zinc, Metallurgy of. J. A. Singmaster, F. G. Breyer, and E. H. Bunce. 1,678,607; July 24.
- Zinc oxide. F. G. Breyer, E. H. Bunce, and J. H. Welkel. 1,664,767; Apr. 3.
- Zinc-oxide catalysts. G. Bloomfield. 1,668,838; May 8.
- Zinc oxide, Manufacture of. J. A. Singmaster, F. G. Breyer, and E. H. Bunce. 1,670,169; May 15.
- Zinc, Working. W. M. Towne. 1,686,353; Oct. 2.
- Zircon refractories, Manufacture of. L. H. Minton. 1,684,739; Sept. 18.
- Zirconium compounds, Making. C. J. Kinzie. 1,658,807; Feb. 14.
- Zirconium compounds, Producing. F. Rüsberg, and P. Schmid. 1,681,195; Aug. 21.
- Zone rate meter. J. S. Traugott. 1,675,069; June 26.

LIST OF DISCLAIMERS ARRANGED BY INVENTIONS

- Absorption refrigerating apparatus. Carl Georg Munters and Baltzar Carl von Platen. No. 1,645,017; date of patent Oct. 11, 1927; disclaimer filed Sept. 28, 1928; v. 375; p. 722.
- Addressing machine. E. D. Belknap. No. 1,256,509; date of patent Feb. 19, 1918; disclaimer filed Jan. 27, 1928; v. 367; p. 235.
- Air-bag puller. E. C. Taylor and C. H. Desautels. No. 1,535,382; date of patent Apr. 28, 1925; disclaimer filed Jan. 14, 1928; v. 367; p. 6.
- Aircraft, Landing chassis for. A. Rohrbach. No. 1,559,912; date of patent Nov. 3, 1925; disclaimer filed Jan. 12, 1928; v. 366; p. 695.
- Book-form savings bank. B. F. Greer. No. 1,460,716; date of patent July 3, 1923; disclaimer filed Sept. 11, 1928; v. 375; p. 212.
- Calculating Machine. S. E. Carlin. Nos. 1,208,287 and 1,208,288; date of patents Dec. 12, 1916; disclaimers filed Oct. 29, 1925; v. 372; p. 522. (Two cases.)
- Cars, Door mechanism for railway. B. W. Kadel. No. 1,434,953; date of patent Nov. 7, 1922; disclaimer filed July 14, 1928; v. 373; p. 8.
- Cementitious material of cellular structure, Process of making. G. B. Hinton. No. 1,657,716; date of patent Jan. 31, 1928; disclaimer filed Aug. 1, 1928; v. 373; p. 538.
- Chain-fastening device. E. G. Kimmich. No. 1,673,515; date of patent June 12, 1928; disclaimer filed July 28, 1928; v. 373; p. 280.
- Chromium and of preparing baths therefor, Process of electrodepositing. C. G. Fink. No. 1,581,188; date of patent Apr. 20, 1926; disclaimer filed June 20, 1928; v. 372; p. 255.
- Die rolling, Method of. P. L. Coyle. No. 1,597,955; date of patent Aug. 31, 1926; disclaimer filed Mar. 28, 1928; v. 369; p. 236.
- Dry-battery structures, Method of forming. C. T. Schunk. No. 1,674,745; date of patent June 26, 1928; disclaimer filed Sept. 24, 1928; v. 375; p. 212.
- Electric service and meter-testing system. J. Sachs. No. 1,301,175; date of patent Apr. 22, 1919; disclaimer filed Aug. 1, 1928; v. 373; p. 538.
- Electric switch. J. Sachs. No. 1,292,081; date of patent Jan. 21, 1919; disclaimer filed Aug. 1, 1928; v. 373; p. 538.
- Fabric and the process of its manufacture, Woven. E. I. Golding. No. 1,655,387; date of patent Jan. 3, 1908; disclaimer filed Feb. 10, 1928; v. 367; p. 704.
- Fluid-operable lubricator and feeder for engines. F. K. Murphy and R. W. Retterer. No. 1,621,804; date of patent Mar. 22, 1927; disclaimer filed Oct. 6, 1928; v. 375; p. 722.
- Fractional distillation. R. B. Chillas, jr. No. 1,612,572; date of patent Dec. 28, 1926; disclaimer filed Apr. 26, 1928; v. 370; p. 516.
- Fuller's earth, Revivifying. F. W. Hall. No. 1,562,550; date of patent Nov. 24, 1925; disclaimer filed July 25, 1928; v. 373; p. 8.
- Glass-feeding mechanism. T. C. Steimer, deceased, by C. M. Steimer, executor. No. 1,663,925; date of patent Mar. 27, 1928; disclaimer filed May 5, 1928; v. 370; p. 757.
- Grinding and polishing table. F. E. Troutman and C. H. Christie. No. 1,610,184; date of patent Dec. 7, 1926; disclaimer filed May 11, 1928; v. 370; p. 1020.
- Hinge for articles of furniture, Seat. C. H. Hill. No. 1,290,557; patent dated Jan. 7, 1919; disclaimer filed June 25, 1928; v. 372; p. 522.
- Hydrocarbons, Art of cracking. E. C. Herthel and E. W. Isom. No. 1,592,489; date of patent July 13, 1926; disclaimer filed Nov. 23, 1928; v. 377; p. 235.
- Hydrocarbons to produce those of lower boiling points, Process and apparatus for treating. J. C. Black. No. 1,431,772; date of patent Oct. 10, 1922; disclaimer filed Aug. 9, 1928; v. 374; p. 249.
- Indexing mechanism. A. J. and C. L. Ott. No. 1,644,540; date of patent Oct. 4, 1927; disclaimer filed May 14, 1928; v. 370; p. 1020.
- Locomotives, Booster motor for. H. L. Ingersoll. No. 1,547,155; date of patent July 21, 1925; disclaimer filed Aug. 29, 1928; v. 374; p. 706.
- Lubricating system. C. W. Manzel. No. 1,459,662; date of patent June 19, 1923; disclaimer filed May 21, 1928; v. 371; p. 5.
- Machine-switching telephone system. C. L. Goodrum and J. N. Reynolds. No. 1,515,735; date of patent Nov. 18, 1924; disclaimer filed Apr. 4, 1928; v. 370; p. 5.
- Message-register system. F. S. Irvine. No. 1,541,356; date of patent June 9, 1925; disclaimer filed Jan. 11, 1928; v. 366; p. 866.
- Milk-food product and method of making the same. W. P. M. Grelek. No. 1,272,035; date of patent July 9, 1918; disclaimer filed Feb. 3, 1928; v. 367; p. 472.
- Motor, Hydrocarbon. J. G. Vincent. No. 1,448,682; date of patent Mar. 13, 1923; disclaimer filed May 3, 1928; v. 371; p. 5.
- Motors, Controlling mechanism for booster. R. M. Brown. No. 1,380,348; date of patent June 7, 1921; disclaimer filed Aug. 29, 1928; v. 374; p. 706.
- Oils, Process of and apparatus for distributing. C. M. Alexander. No. 1,585,224; patent dated May 18, 1926; disclaimer filed June 28, 1928; v. 372; p. 522.
- Power head. P. A. Myers. No. 1,385,141; dated of patent July 19, 1921; disclaimer filed Oct. 12, 1928; v. 375; p. 480, and No. 1,393,306, disclaimer filed Oct. 12, 1928; v. 375; p. 961. (Two cases.)
- Power-transmission mechanism. A. A. Densmore. No. 1,483,872; date of patent Feb. 19, 1924; disclaimer filed Feb. 24, 1928; v. 368; p. 264.
- Radio receiving system. J. M. Miller. No. 1,639,414; date of patent Aug. 16, 1927; disclaimer filed June 18, 1928; v. 372; p. 255.
- Refrigerated container. J. R. Ellis. No. 1,441,672; date of patent Jan. 9, 1923; disclaimer filed Oct. 23, 1928; v. 376; p. 274.
- Refrigerator. H. B. Lindsay. No. 1,504,693; date of patent Aug. 12, 1924; disclaimer filed Oct. 29, 1928; v. 376; p. 274.
- Self-preserving acid milk product and process of making the same. W. P. M. Grelek. No. 1,230,479; date of patent June 19, 1917; disclaimer filed Feb. 3, 1928; v. 367; p. 472.
- Soap product, Manufacture of a finely-divided dry. R. L. Holliday. Re. No. 16,749; date of patent Sept. 27, 1927; disclaimer filed Oct. 9, 1928; v. 375; p. 722.

- Spinning tool and machine. J. N. Selvig. No. 1,471,010; date of patent Oct. 16, 1923; disclaimer filed Apr. 4, 1928; v. 370; p. 4.
- Stalls, Guard for. W. Mitchell. No. 1,215,569; date of patent Feb. 13, 1917; disclaimer filed June 16, 1928; v. 372; p. 255.
- Steel, Stable-surface alloy. P. A. E. Armstrong. No. 1,322,511; date of patent Nov. 25, 1919; disclaimer filed Jan. 3, 1928; v. 366; p. 480.
- Straightforward trunking system. W. H. Matthies. No. 1,600,556; date of patent Sept. 21, 1926; disclaimer filed Sept. 29, 1928; v. 375; p. 722.
- Tape, Method and means for feeding. R. L. Daine. No. 1,664,772; date of patent Apr. 3, 1928; disclaimer filed Aug. 11, 1928; v. 373; p. 762.
- Telephone-exchange system. W. W. Carpenter. No. 1,506,884; date of patent Sept. 2, 1924; disclaimer filed Apr. 4, 1928; v. 370; p. 5.
- Telephone-exchange system. H. L. Hoffmann. No. 1,521,771; date of patent Jan. 6, 1925; disclaimer filed May 24, 1928; v. 371; p. 6.
- Telephone-exchange system. A. C. Powell. No. 1,577,076; date of patent Mar. 16, 1926; disclaimer filed Apr. 4, 1928; v. 370; p. 6.
- Telephone-exchange system. G. Thompson. No. 1,383,677; date of patent July 5, 1921; disclaimer filed Apr. 4, 1928; v. 370; p. 4.
- Telephone-exchange system. S. B. Williams, jr. No. 1,504,295; date of patent Aug. 12, 1924; disclaimer filed Apr. 4, 1928; v. 370; p. 5.
- Telephone-exchange system. S. B. Williams, jr. No. 1,517,331; date of patent Dec. 2, 1924; disclaimer filed Apr. 4, 1928; v. 370; p. 6, and No. 1,550,997; date of patent Aug. 25, 1925; disclaimer filed May 24, 1928; v. 371; p. 6. (Two cases.)
- Telephone-exchange system, Automatic. M. B. Kerr. No. 1,577,033; date of patent Mar. 16, 1926; disclaimer filed Oct. 4, 1928; v. 375; p. 722.
- Telephone-exchange system, Automatic. J. L. McQuarrie. No. 1,543,937; date of patent June 30, 1925; disclaimer filed Apr. 4, 1928; v. 370; p. 6.
- Telephone-exchange system, Automatic. L. Polinkowsky. No. 1,541,388; date of patent June 9, 1925; disclaimer filed Apr. 4, 1928; v. 370; p. 6.
- Telephone system. C. L. Goodrum. Nos. 1,480,202, 1,484,771, 1,506,899, and 1,541,347; date of patent Jan. 8, 1924; disclaimers filed Apr. 4, 1928; v. 370; p. 4; and No. 1,540,066; date of patent June 2, 1925; disclaimer filed May 24, 1928; v. 371; p. 6. (Five cases.)
- Telephone system. E. E. Hinrichsen. No. 1,507,116; date of patent Sept. 2, 1924; disclaimer filed Apr. 4, 1928; v. 370; p. 5.
- Telephone system, Semiautomatic. B. D. Willis. No. 1,532,849; date of patent Apr. 7, 1925; disclaimer filed Jan. 3, 1928; v. 366; p. 480.
- Typewriting machine. C. M. Crews. No. 1,565,550; date of patent Dec. 15, 1925; disclaimer filed Apr. 19, 1928; v. 370; p. 251.
- Typewriting machine. L. C. Myers and G. F. Handley. No. 1,562,119; date of patent Nov. 17, 1925; disclaimer filed Sept. 6, 1928; v. 375; p. 480.
- Valve control. C. J. Muend. No. 1,605,457; date of patent Nov. 2, 1926; disclaimer filed May 26, 1928; v. 371; p. 780.
- Vanity case. A. R. Chisholm. No. 1,651,193; date of patent Nov. 29, 1927; disclaimer filed Nov. 14, 1928; v. 377; p. 235.
- Vehicle wheel. C. F. Rubsam. No. 1,395,362; date of patent Nov. 1, 1921; disclaimer filed Aug. 23, 1928; v. 374; p. 706.
- Washing-machine tub. H. F. Snyder. No. 1,506,783; date of patent Sept. 2, 1924; disclaimer filed Sept. 6, 1928; v. 375; p. 722.

SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01585 1405